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# **International Smoking Statistics**

Web Edition

A collection of worldwide historical data

## **Germany**

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<sup>1</sup> See footnotes to Figures

## Preface

International Smoking Statistics is a collection of smoking data covering most of Europe and various other economically developed countries. The second edition (published by Wolfson Institute of Preventive Medicine and OUP, 2002, [www.oup.co.uk/isbn/0-19-850856-5](http://www.oup.co.uk/isbn/0-19-850856-5)) included data for 30 countries up to 1995. Since 2006, work has been ongoing to make individual country updates available online. Please register at [www.pnlee.co.uk](http://www.pnlee.co.uk) if you wish to be informed when updates are posted.

The methods used in the web edition are essentially unchanged from those of the second edition, although some minor changes are included in the online Methods chapter. Readers are strongly recommended to consult the Methods chapter.

The two main types of data presented are sales data and survey data. We give the results of the original authors as closely as possible, whilst presenting them in a uniform format.

Sales data give the total national consumption of tobacco. Data on sales of cigarettes and of all tobacco products are presented, usually from about 1920. Estimates of the consumption of hand-rolled cigarettes are included where possible, as are data on the types of manufactured cigarettes sold. The Tobacco Research Council provided most of the sales data until 1973, while later sales data were obtained from government and industry sources.

Survey data provide information on the prevalence and amount of smoking according to age and sex. These were obtained from a wide variety of surveys. Some survey data are available for the early part of the 20<sup>th</sup> century, but for most countries they are available only from the 1950s or 1960s onwards.

In additional tables we calculate further statistics by combining sales and survey data using certain standardized assumptions. The figures are intended to provide an easily interpretable summary of the data presented in the tables, and the commentary has deliberately been kept to a minimum.

## Downloads

Updates currently available to download from [www.pnlee.co.uk](http://www.pnlee.co.uk) include:

Methods, including

Appendix I: *Estimated size of adult population;*

Appendix II: *Comparisons of manufactured and hand-rolled cigarettes and differences in the way they are smoked;*

Appendix III: *Consumption category estimation;*

Comparisons between countries;

Updated country chapters (see *Methods* for current list);

Tables from each updated chapter, in Excel format, including extended versions of Tables 4 and 6 and Figure 3 for chapters issued since January 2011;

Supplement 1: *Estimation of sex-specific smoking statistics by standardized age groups and time periods.* [The web edition comprises a brief Update

Note, together with tables (in Excel format only) for the countries with a chapter in the web edition. The original Supplement 1 to the second edition (an extended version of Appendix IV to the second edition) is also available and gives a full description and tables for the other countries]. No update to Supplement 1 is planned for countries which have only been partially updated for the web edition.

Also available from the same source are:

Supplement 2 to the second edition: *Estimating past smoking habits by an indirect method. An investigation into a method based on recall, with application to Great Britain*. [This supplement is an extended version of Appendix V to the second edition];

An updated version of Appendix V Bibliography. [This bibliography lists published papers that use an indirect method for estimating past smoking habits based on recall];

IMASS, a comprehensive Excel database system, based on WHO mortality data and smoking statistics from Supplement 1. The IMASS system includes powerful routines for creating graphs and tables.

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We would also like to thank the many government and research organizations and individuals who supplied much of the information included.

We thank Yvonne Cooper, Pauline Wassell and Diana Morris for maintenance of our references database.

We are indebted to G. F. Todd, past director of the Tobacco Research Council, who, shortly before he died in 1988, had prepared a draft report from which the first edition of International Smoking Statistics developed.

Professor Nicholas Wald was an editor of earlier editions, and we thank him for his support and encouragement.

We alone bear the responsibility for the analysis and interpretation of the data presented.

# Introduction

## Countries considered

This chapter includes both the former Federal Republic of Germany (Bundesrepublik Deutschland) and the former Democratic Republic of Germany (Deutsche Demokratische Republik), as well as pre-war and post-unification Germany. For convenience throughout this chapter, we refer simply to West and East Germany as meaning, respectively, the first two of these countries and the equivalent regions since unification (the alte and neue Bundesländer); and to Germany as meaning the country as a whole.

## Sales data

See Tables 1-3 and *Notes on sources of sales data*.

Tobacco processing has a long history in Germany. The first tobacco and cigarette factory was founded in Hamburg in 1788 and part-mechanized cigarette production began in Dresden in 1882 (Kneist (1981)).

Data are available on consumption of tobacco products from 1906. No data at all are available for the years of the two world wars. Data for East Germany are limited to manufactured cigarettes, from 1960 to 1990, the year of unification. Data for West Germany end at 1989.

Before the First World War consumption of manufactured cigarettes was less than 1 per adult per day and this increased to around 2 between the wars. Immediately after the Second World War consumption in West Germany was very low, but it is difficult to estimate this reliably (Proctor (1997a)). Consumption rose steadily until the early 1970s when it reached a peak of 7 manufactured cigarettes per day before decreasing to 6 in the 1980s. In East Germany consumption rose from 4 in 1960 to 7 per day in the late 1980s. Shortly after unification, consumption of manufactured cigarettes dipped, then remained between 5 and 6 per day until the end of the decade, then fell and levelled again at about 3 cigarettes in the 2010s. In 1960, filter cigarettes accounted for about 70% of manufactured cigarettes in West Germany, but less than 10% in East Germany. The proportion rose in both countries, more rapidly in East Germany so that it exceeded the proportion in West Germany by the mid-1970s. By 1990, it had reached 95% in both regions and more recent data (available only for production, and until 2004) suggest it has exceeded 98% since 2000. We estimate that, at the beginning of the 1950s, consumption of hand-rolled cigarettes per adult was about 1 cigarette per day, but decreased to very low levels by the mid-1960s. In the mid-1970s it started to increase again, returning to about 1 cigarette per day in the mid-1980s. After a dip in the 1990s, it has again been about 1 cigarette since the early 2000s. At times, this was influenced by the introduction of products with a tax advantage, for instance for tobacco rolls.

The consumption of all tobacco products combined per adult was about 6 g per day between the wars. After the Second World War it rose to a peak of nearly 9 g in the early 1970s (West Germany), before falling back nearly to 7 g by 1990. Since unification, we estimate that consumption has fallen to below 5 g. However these figures are uncertain, as there are no recent data on the average weight of cigars or separate data for cigarillos in recent years. Although the official statistics

do not give comprehensive data for all products in the early 20<sup>th</sup> century, an alternative source showed that in 1913, 14% of all tobacco was consumed in manufactured cigarettes (Hutson (1937)). Between the wars, the proportion was around 30-35%. In West Germany, it increased after the Second World War to about 85% in 1975, but then varied around 80-85% over the next 20 years reflecting changes in consumption of hand-rolled cigarettes. Since 2000, the proportion has dropped below 70%, owing to increases in both hand-rolling and cigars (although, as mentioned above, the contribution by weight from cigars is uncertain). Apart from the immediate post-war period, consumption of cigars accounted for over 30% of sales by weight until the mid-1950s, declining to an estimated low of 4% in West Germany prior to reunification. Their share remained low in the early 1990s but, with increased usage of cigarillos, has increased to around 10% in the mid-2000s. No data are available for smokeless tobacco for recent decades, but in 1913 chewing tobacco and snuff accounted for 12% of all tobacco consumed, falling to 5% by the mid-1920s (Hutson (1937)), and smokeless tobacco is now of very minor importance (Scientific Committee on Emerging and Newly Identified Health Risks (SCENIHR) (2008)).

## **Survey data**

See Tables 4-8 and *Notes on sources of survey data*.

Representative surveys of smoking have been carried out in West Germany since 1950, but few are available for East Germany prior to reunification. In West Germany in 1950, the prevalence of tobacco smoking among those aged 15 years and over was nearly 90% in men and about 20% in women. The difference between the percentages of men and women who smoke has decreased since then, mainly because of a reduction in the prevalence of smoking among men, to 32% for regular smoking in 1992 based on the Mikrozensus (source 67). The prevalence among women increased somewhat, with most estimates in the 1970s and 1980s varying around 20-30%, although the Mikrozensus estimates were below 20%. A further 4-5% of both men and women smoked occasionally. The prevalence of cigarette smoking among men fell from about 60% in 1950 to about 30% in 1992. Very few women smoked products other than cigarettes.

The prevalence of tobacco smoking, and of cigarette smoking, in East Berlin was similar to that in West Germany when surveyed in 1971 (source 47). In representative surveys conducted around the time of unification, the prevalence in East Germany was a little higher among men and lower among women than in West Germany (sources 36, 66, 67).

Since unification, the overall prevalence of regular tobacco smoking has continued to decline among men to 26%, but less so, to 17%, among women, according to the 2013 Mikrozensus. Regional trends are difficult to assess as those other sources which have continued to report the regions separately (e.g. Eurobarometer and health surveys, sources 70-73) have tended to provide higher estimates for the whole country than the Mikrozensus, and showed little evidence of the overall decline among men before 2005. They generally showed that the East/West differences persisted through the 1990s, but the more recent evidence is conflicting, with some surveys showing higher prevalence in the East and some showing the reverse.

Very few data on adult smoking by age in West Germany are available before 1978, while early data for East Germany are mostly on a local basis. More men

smoked than women at all ages, except below age 20 where some surveys in the West in the 1980s show that there were more young women who smoked than young men. A lower percentage of smokers in older age groups was more marked in women than in men. This pattern is less evident in recent decades, when many surveys among teenagers show no consistent difference in prevalence between boys and girls, and surveys among older people (aged 65 or older) show prevalence generally no more than 5 percentage points higher among men than among women. There are few data on prevalence by type of cigarette, but one survey in 1984 (source 4) showed that the prevalence of smoking of only hand-rolled cigarettes appeared to be 1% among both men and women, and concentrated among those aged 20-39. In the 1990s, smoking of hand-rolled cigarettes was mainly in the West (source 68 – notes, and source 72-73), but since 2000 has increased among men in the East.

Comparison of survey and sales data suggests that the Mikrozensus under-reported consumption by about 45% before unification (West), and by 40% after unification, reducing to 26% in 2013, while most other surveys under-reported by 10-25%, and one (SOEP, source 84) has under-reported by less than 10% since 2004. Between 1950 and the late 1960s in West Germany, the estimated number of cigarettes smoked per person per day (sales-adjusted) increased for men from about 4 to 10. Although the number of manufactured cigarettes smoked started to fall, the total number of cigarettes (including hand-rolled) remained level through to the mid-1980s, decreasing to about 9 by 1990. For women the increase continued for longer, rising from 1.5 to 5 cigarettes by the late 1970s. Information is sparse for East Germany, but the estimated number of cigarettes was 7 for men in 1971, increasing to 9 or 11 around 1990, and between 3 and 4 for women. Since unification, the number of cigarettes smoked has continued to decreased for men, levelling at about 8 from the mid 1990s to mid 2000s, then further decreasing and levelling again at 5. For women, it remained fairly steady at just over 4 cigarettes until the mid 2000s, dropping to about 3 since then.

**Table 1.1** Total annual sales of tobacco products, 1906-1973

**Germany**

| Year | Manufactured cigarettes |          | Cigars |          | Fine-cut tobacco | Pipe tobacco | All tobacco products |
|------|-------------------------|----------|--------|----------|------------------|--------------|----------------------|
|      | tonnes                  | millions | tonnes | millions | tonnes           | tonnes       | tonnes               |
| 1906 |                         | 3 639    |        |          | 200              |              |                      |
| 1907 |                         | 5 805    |        |          | 278              |              |                      |
| 1908 |                         | 6 471    |        |          | 252              |              |                      |
| 1909 |                         | 7 271    |        |          | 313              |              |                      |
| 1910 |                         | 8 353    |        |          | 299              |              |                      |
| 1911 |                         | 9 852    |        |          | 303              |              |                      |
| 1912 |                         | 11 518   |        |          | 333              |              |                      |
| 1913 |                         | 12 990   |        |          | 375              |              |                      |
| 1925 | 30 530                  | 30 529   | 30 480 | 5 746    | 32 610           |              | 93 630               |
| 1926 | 29 160                  | 29 156   | 31 750 | 5 980    | 38 510           |              | 99 420               |
| 1927 | 32 770                  | 32 768   | 35 200 | 6 635    | 38 510           |              | 106 480              |
| 1928 | 31 610                  | 31 601   | 34 970 | 6 589    | 37 600           |              | 104 180              |
| 1929 | 32 880                  | 32 877   | 37 010 | 6 973    | 37 380           |              | 107 270              |
| 1930 | 29 370                  | 29 367   | 37 920 | 7 146    | 39 140           |              | 106 440              |
| 1931 | 28 070                  | 28 064   | 32 890 | 6 194    | 32 110           |              | 93 070               |
| 1932 | 31 760                  | 31 759   | 30 120 | 5 678    | 15 380           | 18 600       | 95 860               |
| 1933 | 33 710                  | 33 701   | 34 880 | 6 570    | 13 880           | 19 190       | 101 650              |
| 1934 | 36 170                  | 36 162   | 41 680 | 7 854    | 13 380           | 18 510       | 109 740              |
| 1935 | 37 480                  | 37 471   | 41 870 | 7 892    | 14 200           | 17 370       | 110 910              |
| 1936 | 38 460                  | 38 455   | 44 720 | 8 424    | 15 150           | 16 560       | 114 890              |
| 1937 | 42 430                  | 42 420   | 47 400 | 8 932    | 16 370           | 15 200       | 121 400              |
| 1938 | 47 310                  | 47 306   | 48 580 | 9 150    | 18 190           | 13 790       | 127 870              |

**West Germany**

| Year | Manufactured cigarettes |          | Cigars |          | Fine-cut tobacco | Pipe tobacco | All tobacco products |
|------|-------------------------|----------|--------|----------|------------------|--------------|----------------------|
|      | tonnes                  | millions | tonnes | millions | tonnes           | tonnes       | tonnes               |
| 1948 | 9 850                   | 9 852    | 8 300  | 1 453    | 6 890            | 2 000        | 27 040               |
| 1949 | 22 090                  | 22 090   | 12 750 | 2 232    | 16 060           | 5 190        | 56 090               |
| 1950 | 26 490                  | 24 089   | 22 720 | 3 785    | 17 330           | 4 850        | 71 400               |
| 1951 | 31 840                  | 28 967   | 25 360 | 4 157    | 17 330           | 4 900        | 79 420               |
| 1952 | 33 930                  | 30 840   | 27 900 | 4 592    | 15 920           | 4 490        | 82 240               |
| 1953 | 39 420                  | 35 868   | 27 580 | 4 520    | 14 330           | 3 900        | 85 230               |
| 1954 | 43 640                  | 39 663   | 27 440 | 4 472    | 13 240           | 3 450        | 87 770               |
| 1955 | 49 940                  | 45 411   | 27 940 | 4 585    | 12 200           | 3 270        | 93 350               |
| 1956 | 55 750                  | 50 663   | 28 080 | 4 601    | 10 660           | 2 950        | 97 430               |
| 1957 | 62 640                  | 55 875   | 26 220 | 4 724    | 9 660            | 2 630        | 101 150              |
| 1958 | 67 810                  | 60 482   | 25 720 | 4 629    | 8 750            | 2 400        | 104 690              |
| 1959 | 70 440                  | 65 245   | 25 220 | 4 544    | 8 940            | 2 270        | 106 870              |
| 1960 | 76 610                  | 70 956   | 24 130 | 4 349    | 8 300            | 2 000        | 111 040              |
| 1961 | 81 010                  | 78 039   | 27 400 | 4 111    | 7 890            | 1 810        | 118 110              |
| 1962 | 85 550                  | 83 286   | 25 810 | 3 988    | 7 530            | 1 630        | 120 520              |
| 1963 | 86 450                  | 85 276   | 23 540 | 3 786    | 7 570            | 1 540        | 119 110              |
| 1964 | 90 760                  | 90 156   | 24 180 | 4 098    | 7 850            | 1 770        | 124 560              |
| 1965 | 96 210                  | 96 055   | 23 500 | 3 953    | 7 080            | 1 500        | 128 280              |
| 1966 | 102 470                 | 101 488  | 23 360 | 3 778    | 6 800            | 1 500        | 134 130              |
| 1967 | 96 980                  | 99 139   | 23 590 | 3 597    | 6 940            | 2 040        | 129 550              |
| 1968 | 105 190                 | 105 444  | 22 140 | 3 595    | 6 490            | 2 000        | 135 800              |
| 1969 | 110 490                 | 112 431  | 21 230 | 3 420    | 5 990            | 1 910        | 139 620              |
| 1970 | 116 030                 | 118 051  | 19 910 | 3 212    | 5 810            | 1 950        | 143 700              |
| 1971 | 123 330                 | 125 493  | 19 230 | 3 100    | 4 940            | 1 810        | 149 320              |
| 1972 | 124 280                 | 126 469  | 18 910 | 3 051    | 5 310            | 2 090        | 150 590              |
| 1973 | 123 290                 | 125 461  | 17 280 | 2 802    | 5 940            | 2 040        | 148 550              |

Source: see *Notes on sources of sales data: Sales data for 1906-1913, Germany*, p. 84 and *Sales data for 1925-1973, Germany and West Germany*, p. 84

For East Germany, see Table 2

**Table 1.2** Total annual sales of tobacco products, 1974-2015

**West Germany**

| Year | Manufactured cigarettes |          | Cigars & Cigarillos |                 |                     | Fine-Cut tobacco tonnes | Pipe tobacco tonnes | All tobacco products tonnes |
|------|-------------------------|----------|---------------------|-----------------|---------------------|-------------------------|---------------------|-----------------------------|
|      | tonnes                  | millions | tonnes              | cigars millions | cigarillos millions |                         |                     |                             |
| 1974 | 125 214                 | 127 769  | 16 443              |                 | 2 652               | 5 674                   | 1 863               | 149 194                     |
| 1975 | 122 070                 | 124 561  | 15 098              |                 | 2 475               | 5 475                   | 1 705               | 144 348                     |
| 1976 | 126 813                 | 129 401  | 14 783              |                 | 2 464               | 6 191                   | 1 722               | 149 509                     |
| 1977 | 113 366                 | 115 680  | 14 771              |                 | 2 503               | 10 776                  | 1 885               | 140 797                     |
| 1978 | 120 342                 | 122 798  | 13 732              |                 | 2 368               | 10 307                  | 1 832               | 146 212                     |
| 1979 | 122 031                 | 124 521  | 12 492              |                 | 2 192               | 10 904                  | 1 662               | 147 089                     |
| 1980 | 125 857                 | 128 426  | 11 728              | 974             | 1 120               | 10 658                  | 1 732               | 149 974                     |
| 1981 | 126 534                 | 129 117  | 11 023              | 865             | 1 139               | 11 963                  | 1 825               | 151 346                     |
| 1982 | 109 723                 | 111 962  | 9 756               | 870             | 937                 | 20 719                  | 1 919               | 142 118                     |
| 1983 | 116 159                 | 118 530  | 9 422               | 852             | 926                 | 17 697                  | 1 762               | 145 041                     |
| 1984 | 116 983                 | 119 371  | 9 033               | 795             | 942                 | 15 701                  | 1 714               | 143 431                     |
| 1985 | 118 000                 | 120 409  | 8 326               | 709             | 923                 | 15 398                  | 1 611               | 143 336                     |
| 1986 | 115 153                 | 117 503  | 7 654               | 657             | 874                 | 15 765                  | 1 575               | 140 146                     |
| 1987 | 115 669                 | 118 029  | 6 944               | 575             | 842                 | 15 597                  | 1 833               | 140 043                     |
| 1988 | 115 451                 | 117 807  | 6 301               | 501             | 812                 | 14 804                  | 1 331               | 137 887                     |
| 1989 | 118 128                 | 120 539  | 5 739               |                 | 1 221               |                         | 14 269              | 1 256                       |
|      |                         |          |                     |                 |                     |                         |                     | 139 392                     |

**Germany**

| Year | Manufactured cigarettes |          | Cigars & Cigarillos |          | Fine-cut tobacco tonnes | Pipe tobacco tonnes | All tobacco products tonnes |
|------|-------------------------|----------|---------------------|----------|-------------------------|---------------------|-----------------------------|
|      | tonnes                  | millions | tonnes              | millions |                         |                     |                             |
| 1991 | 143 550                 | 146 480  | 5 980               | 1 359    | 15 169                  | 1 280               | 165 979                     |
| 1992 | 128 530                 | 131 153  | 5 392               | 1 254    | 19 593                  | 1 227               | 154 742                     |
| 1993 | 125 538                 | 128 100  | 4 851               | 1 155    | 17 556                  | 1 227               | 149 172                     |
| 1994 | 131 363                 | 134 044  | 5 777               | 1 409    | 15 706                  | 1 102               | 153 948                     |
| 1995 | 132 328                 | 135 029  | 4 248               | 1 062    | 15 624                  | 1 096               | 153 296                     |
| 1996 | 133 519                 | 136 244  | 5 300               | 1 359    | 13 909                  | 1 040               | 153 768                     |
| 1997 | 134 923                 | 137 677  | 6 050               | 1 592    | 14 134                  | 1 039               | 156 146                     |
| 1998 | 135 620                 | 138 388  | 7 370               | 1 992    | 14 752                  | 1 003               | 158 746                     |
| 1999 | 142 360                 | 145 265  | 8 240               | 2 289    | 13 996                  | 983                 | 165 579                     |
| 2000 | 136 833                 | 139 625  | 8 950               | 2 557    | 14 611                  | 909                 | 161 302                     |
| 2001 | 139 695                 | 142 546  | 8 537               | 2 511    | 16 273                  | 925                 | 165 430                     |
| 2002 | 142 250                 | 145 153  | 10 124              | 3 068    | 15 473                  | 847                 | 168 694                     |
| 2003 | 129 951                 | 132 603  | 9 974               | 3 117    | 18 603                  | 870                 | 159 398                     |
| 2004 | 109 526                 | 111 761  | 11 284              | 3 640    | 24 265                  | 884                 | 145 959                     |
| 2005 | 93 910                  | 95 827   | 12 084              | 4 028    | 33 232                  | 804                 | 140 030                     |
| 2006 | 91 596                  | 93 465   | 16 635              | 5 545    | 22 702                  | 922                 | 131 855                     |
| 2007 | 89 667                  | 91 497   | 19 557              | 6 519    | 22 381                  | 1 609               | 133 214                     |
| 2008 | 86 219                  | 87 979   | 14 973              | 4 991    | 21 849                  | 1 883               | 124 924                     |
| 2009 | 84 875                  | 86 607   | 11 331              | 3 777    | 24 404                  | 806                 | 121 416                     |
| 2010 | 81 894                  | 83 565   | 11 901              | 3 967    | 25 487                  | 756                 | 120 038                     |
| 2011 | 85 805                  | 87 556   | 12 648              | 4 216    | 27 043                  | 915                 | 126 411                     |
| 2012 | 80 757                  | 82 405   | 11 385              | 3 795    | 26 922                  | 1 029               | 120 093                     |
| 2013 | 78 661                  | 80 266   | 10 680              | 3 560    | 25 734                  | 1 200               | 116 275                     |
| 2014 | 77 931                  | 79 521   | 11 574              | 3 858    | 25 700                  | 1 359               | 116 564                     |
| 2015 | 79 642                  | 81 267   | 8 868               | 2 956    | 25 470                  | 1 732               | 115 712                     |

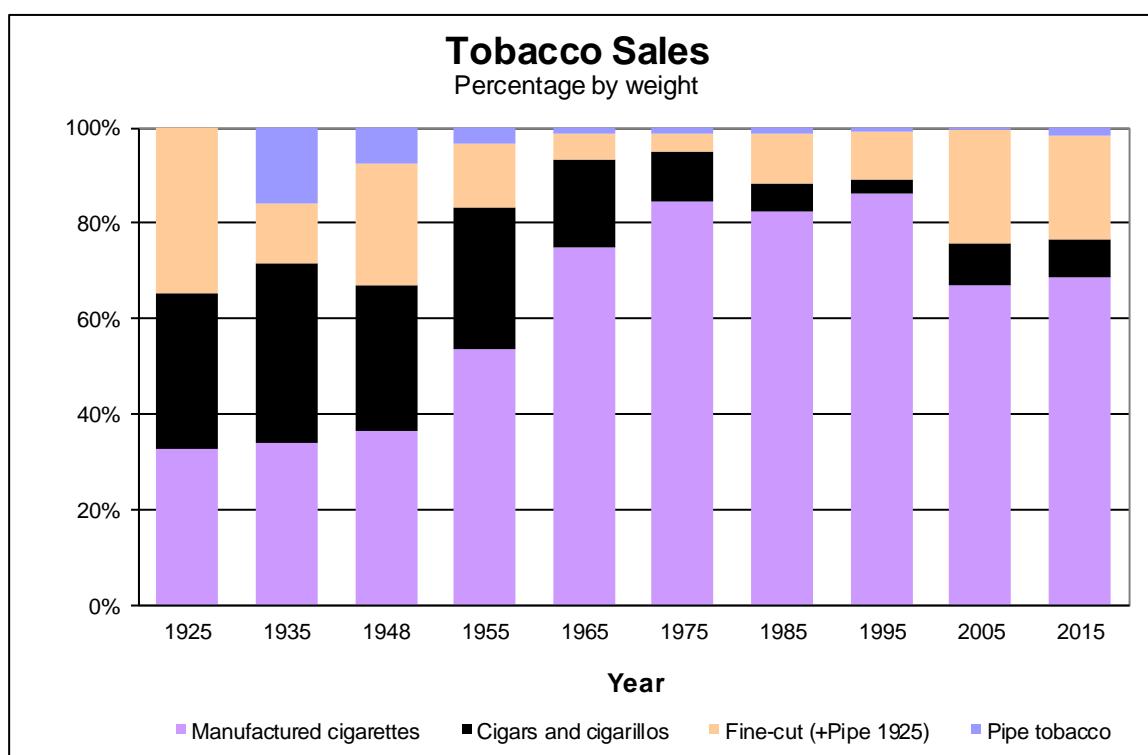
Source: see *Notes on sources of sales data: Sales data for 1974 onwards, West Germany and Germany*, p. 85  
For East Germany, see Table 2

**Table 1.3** Percentage of sales of tobacco in different forms (by weight), selected years

|                     | Year | Manufactured cigarettes<br>% | Cigars and cigarillos<br>% | Fine-cut tobacco<br>% | Pipe tobacco<br>% |
|---------------------|------|------------------------------|----------------------------|-----------------------|-------------------|
| <b>Germany</b>      |      |                              |                            |                       |                   |
|                     | 1925 | 32.6                         | 32.6                       | 34.8                  |                   |
|                     | 1935 | 33.8                         | 37.7                       | 12.8                  | 15.7              |
| <b>West Germany</b> |      |                              |                            |                       |                   |
|                     | 1948 | 36.4                         | 30.7                       | 25.5                  | 7.4               |
|                     | 1955 | 53.5                         | 29.9                       | 13.1                  | 3.5               |
|                     | 1965 | 75.0                         | 18.3                       | 5.5                   | 1.2               |
|                     | 1975 | 84.6                         | 10.5                       | 3.8                   | 1.2               |
|                     | 1985 | 82.3                         | 5.8                        | 10.7                  | 1.1               |
|                     | 1989 | 84.7                         | 4.1                        | 10.2                  | 0.9               |
| <b>Germany</b>      |      |                              |                            |                       |                   |
|                     | 1995 | 86.3                         | 2.8                        | 10.2                  | 0.7               |
|                     | 2005 | 67.1                         | 8.6                        | 23.7                  | 0.6               |
|                     | 2015 | 68.8                         | 7.7                        | 22.0                  | 1.5               |

Source: calculated from Tables 1.1 & 1.2.  
No data available for East Germany.

**Figure 1** Percentage of sales of tobacco in different forms (by weight), selected years



Source: Table 1.3  
Data for 1948-1985 refer to West Germany, other years to Germany. No data available for East Germany.

**Table 2** Sales of cigarettes (including estimated number of hand-rolled cigarettes) and of all tobacco products.  
Annual total and average per adult (age 15 years and over) per day

### Germany

| Year | Manufactured cigarettes |                   | Hand-rolled cigarettes |                   | Total cigarettes      |                   | All tobacco products  |                  |
|------|-------------------------|-------------------|------------------------|-------------------|-----------------------|-------------------|-----------------------|------------------|
|      | Total annual millions   | Number/ adult/day | Total annual millions  | Number/ adult/day | Total annual millions | Number/ adult/day | Total annual millions | Grams/ adult/day |
| 1906 | 3 639                   | 0.2               | 140                    | 0.0               | 3 779                 | 0.2               |                       |                  |
| 1907 | 5 805                   | 0.3               | 195                    | 0.0               | 6 000                 | 0.3               |                       |                  |
| 1908 | 6 471                   | 0.4               | 176                    | 0.0               | 6 647                 | 0.4               |                       |                  |
| 1909 | 7 271                   | 0.4               | 219                    | 0.0               | 7 490                 | 0.4               |                       |                  |
| 1910 | 8 353                   | 0.5               | 209                    | 0.0               | 8 562                 | 0.5               |                       |                  |
| 1911 | 9 852                   | 0.6               | 212                    | 0.0               | 10 064                | 0.6               |                       |                  |
| 1912 | 11 518                  | 0.7               | 233                    | 0.0               | 11 751                | 0.7               |                       |                  |
| 1913 | 12 990                  | 0.7               | 263                    | 0.0               | 13 253                | 0.8               |                       |                  |
| 1925 | 30 529                  | 1.7               |                        |                   |                       |                   | 93 630                | 5.3              |
| 1926 | 29 156                  | 1.6               |                        |                   |                       |                   | 99 420                | 5.6              |
| 1927 | 32 768                  | 1.8               |                        |                   |                       |                   | 106 480               | 6.0              |
| 1928 | 31 601                  | 1.8               |                        |                   |                       |                   | 104 180               | 5.8              |
| 1929 | 32 877                  | 1.8               |                        |                   |                       |                   | 107 270               | 5.9              |
| 1930 | 29 367                  | 1.6               |                        |                   |                       |                   | 106 440               | 5.9              |
| 1931 | 28 064                  | 1.5               |                        |                   |                       |                   | 93 070                | 5.1              |
| 1932 | 31 759                  | 1.7               | 10 766                 | 0.6               | 42 525                | 2.3               | 95 860                | 5.2              |
| 1933 | 33 701                  | 1.8               | 9 716                  | 0.5               | 43 417                | 2.4               | 101 650               | 5.5              |
| 1934 | 36 162                  | 2.0               | 9 366                  | 0.5               | 45 528                | 2.5               | 109 740               | 5.9              |
| 1935 | 37 471                  | 2.0               | 9 940                  | 0.5               | 47 411                | 2.5               | 110 910               | 5.9              |
| 1936 | 38 455                  | 2.0               | 10 605                 | 0.6               | 49 060                | 2.6               | 114 890               | 6.1              |
| 1937 | 42 420                  | 2.2               | 11 459                 | 0.6               | 53 879                | 2.8               | 121 400               | 6.4              |
| 1938 | 47 306                  | 2.5               | 12 733                 | 0.7               | 60 039                | 3.1               | 127 870               | 6.7              |

### West Germany

| Year | Manufactured Cigarettes |                   | Hand-rolled cigarettes |                   | Total cigarettes      |                   | All tobacco products |                  |
|------|-------------------------|-------------------|------------------------|-------------------|-----------------------|-------------------|----------------------|------------------|
|      | Total annual millions   | Number/ adult/day | Total annual millions  | Number/ adult/day | Total annual millions | Number/ adult/day | Total annual tonnes  | Grams/ adult/day |
| 1948 | 9 852                   |                   | 4 823                  |                   | 14 675                |                   | 27 040               |                  |
| 1949 | 22 090                  |                   | 11 242                 |                   | 33 332                |                   | 56 090               |                  |
| 1950 | 24 089                  | 1.8               | 12 131                 | 0.9               | 36 220                | 2.7               | 71 400               | 5.4              |
| 1951 | 28 967                  | 2.2               | 12 131                 | 0.9               | 41 098                | 3.1               | 79 420               | 5.9              |
| 1952 | 30 840                  | 2.3               | 11 144                 | 0.8               | 41 984                | 3.1               | 82 240               | 6.0              |
| 1953 | 35 868                  | 2.6               | 10 031                 | 0.7               | 45 899                | 3.3               | 85 230               | 6.2              |
| 1954 | 39 663                  | 2.8               | 9 268                  | 0.7               | 48 931                | 3.5               | 87 770               | 6.2              |
| 1955 | 45 411                  | 3.2               | 8 540                  | 0.6               | 53 951                | 3.8               | 93 350               | 6.5              |
| 1956 | 50 663                  | 3.5               | 7 462                  | 0.5               | 58 125                | 4.1               | 97 430               | 6.8              |
| 1957 | 55 875                  | 3.9               | 6 762                  | 0.5               | 62 637                | 4.3               | 101 150              | 7.0              |
| 1958 | 60 482                  | 4.0               | 6 125                  | 0.4               | 66 607                | 4.4               | 104 690              | 7.0              |
| 1959 | 65 245                  | 4.3               | 6 258                  | 0.4               | 71 503                | 4.7               | 106 870              | 7.1              |
| 1960 | 70 956                  | 4.7               | 5 810                  | 0.4               | 76 766                | 5.0               | 111 040              | 7.3              |
| 1961 | 78 039                  | 5.1               | 4 063                  | 0.3               | 82 102                | 5.4               | 118 110              | 7.7              |
| 1962 | 83 286                  | 5.1               | 3 966                  | 0.2               | 87 252                | 5.4               | 120 520              | 7.4              |
| 1963 | 85 276                  | 5.2               | 3 911                  | 0.2               | 89 187                | 5.5               | 119 110              | 7.3              |
| 1964 | 90 156                  | 5.5               | 3 842                  | 0.2               | 93 998                | 5.7               | 124 560              | 7.5              |
| 1965 | 96 055                  | 5.8               | 3 733                  | 0.2               | 99 788                | 6.0               | 128 280              | 7.7              |
| 1966 | 101 488                 | 6.0               | 3 590                  | 0.2               | 105 078               | 6.2               | 134 130              | 8.0              |
| 1967 | 99 139                  | 5.9               | 4 066                  | 0.2               | 103 205               | 6.1               | 129 550              | 7.7              |
| 1968 | 105 444                 | 6.3               | 3 757                  | 0.2               | 109 201               | 6.5               | 135 800              | 8.1              |
| 1969 | 112 431                 | 6.6               | 3 709                  | 0.2               | 116 140               | 6.8               | 139 620              | 8.2              |

**Table 2** (continued)

**West Germany (continued)**

| Year | Manufactured Cigarettes |                   | Hand-rolled cigarettes |                   | Total cigarettes      |                   | All tobacco products |                  |
|------|-------------------------|-------------------|------------------------|-------------------|-----------------------|-------------------|----------------------|------------------|
|      | Total annual millions   | Number/ adult/day | Total annual millions  | Number/ adult/day | Total annual millions | Number/ adult/day | Total annual tonnes  | Grams/ adult/day |
| 1970 | 118 051                 | 6.9               | 3 651                  | 0.2               | 121 702               | 7.2               | 143 700              | 8.4              |
| 1971 | 125 493                 | 7.3               | 3 322                  | 0.2               | 128 815               | 7.5               | 149 320              | 8.7              |
| 1972 | 126 469                 | 7.3               | 3 566                  | 0.2               | 130 035               | 7.5               | 150 590              | 8.7              |
| 1973 | 125 461                 | 7.1               | 4 382                  | 0.2               | 129 843               | 7.4               | 148 550              | 8.5              |
| 1974 | 127 769                 | 7.2               | 4 780                  | 0.3               | 132 549               | 7.5               | 149 194              | 8.4              |
| 1975 | 124 561                 | 7.0               | 4 606                  | 0.3               | 129 167               | 7.3               | 144 348              | 8.1              |
| 1976 | 129 401                 | 7.3               | 5 550                  | 0.3               | 134 951               | 7.6               | 149 509              | 8.4              |
| 1977 | 115 680                 | 6.5               | 9 039                  | 0.5               | 124 719               | 7.0               | 140 797              | 7.9              |
| 1978 | 122 798                 | 6.8               | 8 221                  | 0.5               | 131 019               | 7.3               | 146 212              | 8.1              |
| 1979 | 124 521                 | 6.9               | 8 740                  | 0.5               | 133 261               | 7.3               | 147 089              | 8.1              |
| 1980 | 128 426                 | 7.0               | 9 384                  | 0.5               | 137 810               | 7.5               | 149 974              | 8.2              |
| 1981 | 129 117                 | 7.0               | 11 147                 | 0.6               | 140 264               | 7.6               | 151 346              | 8.1              |
| 1982 | 111 962                 | 6.0               | 17 178                 | 0.9               | 129 140               | 6.9               | 142 118              | 7.6              |
| 1983 | 118 530                 | 6.3               | 17 223                 | 0.9               | 135 752               | 7.2               | 145 041              | 7.7              |
| 1984 | 119 371                 | 6.3               | 15 404                 | 0.8               | 134 775               | 7.2               | 143 431              | 7.6              |
| 1985 | 120 409                 | 6.4               | 15 089                 | 0.8               | 135 497               | 7.2               | 143 336              | 7.6              |
| 1986 | 117 503                 | 6.2               | 14 411                 | 0.8               | 131 914               | 7.0               | 140 146              | 7.4              |
| 1987 | 118 029                 | 6.2               | 15 209                 | 0.8               | 133 239               | 7.0               | 140 043              | 7.4              |
| 1988 | 117 807                 | 6.2               | 14 180                 | 0.7               | 131 987               | 6.9               | 137 887              | 7.2              |
| 1989 | 120 539                 | 6.3               | 14 269                 | 0.7               | 134 808               | 7.0               | 139 392              | 7.2              |

**East Germany**

| Year | Manufactured cigarettes |                   | Hand-rolled cigarettes |                   | Total cigarettes      |                   | All tobacco products |                  |
|------|-------------------------|-------------------|------------------------|-------------------|-----------------------|-------------------|----------------------|------------------|
|      | Total annual millions   | Number/ adult/day | Total annual millions  | Number/ adult/day | Total annual millions | Number/ adult/day | Total annual tonnes  | Grams/ adult/day |
| 1960 | 18 542                  | 3.7               |                        |                   |                       |                   |                      |                  |
| 1961 | 18 431                  | 3.8               |                        |                   |                       |                   |                      |                  |
| 1962 | 18 501                  | 3.8               |                        |                   |                       |                   |                      |                  |
| 1963 | 18 323                  | 3.8               |                        |                   |                       |                   |                      |                  |
| 1964 | 18 745                  | 4.0               |                        |                   |                       |                   |                      |                  |
| 1965 | 19 088                  | 4.0               |                        |                   |                       |                   |                      |                  |
| 1966 | 19 471                  | 4.1               |                        |                   |                       |                   |                      |                  |
| 1967 | 19 692                  | 4.1               |                        |                   |                       |                   |                      |                  |
| 1968 | 19 745                  | 4.1               |                        |                   |                       |                   |                      |                  |
| 1969 | 20 385                  | 4.3               |                        |                   |                       |                   |                      |                  |
| 1970 | 20 572                  | 4.3               |                        |                   |                       |                   |                      |                  |
| 1971 | 23 464                  | 4.9               |                        |                   |                       |                   |                      |                  |
| 1972 | 23 086                  | 4.8               |                        |                   |                       |                   |                      |                  |
| 1973 | 23 952                  | 5.0               |                        |                   |                       |                   |                      |                  |
| 1974 | 25 136                  | 5.2               |                        |                   |                       |                   |                      |                  |
| 1975 | 26 929                  | 5.6               |                        |                   |                       |                   |                      |                  |
| 1976 | 27 328                  | 5.7               |                        |                   |                       |                   |                      |                  |
| 1977 | 28 340                  | 5.8               |                        |                   |                       |                   |                      |                  |
| 1978 | 30 033                  | 6.2               |                        |                   |                       |                   |                      |                  |
| 1979 | 31 000                  | 6.3               |                        |                   |                       |                   |                      |                  |
| 1980 | 31 080                  | 6.3               |                        |                   |                       |                   |                      |                  |
| 1981 | 29 978                  | 6.1               |                        |                   |                       |                   |                      |                  |
| 1982 | 29 363                  | 6.0               |                        |                   |                       |                   |                      |                  |
| 1983 | 33 977                  | 6.9               |                        |                   |                       |                   |                      |                  |
| 1984 | 32 985                  | 6.7               |                        |                   |                       |                   |                      |                  |
| 1985 | 32 899                  | 6.7               |                        |                   |                       |                   |                      |                  |
| 1986 | 32 625                  | 6.7               |                        |                   |                       |                   |                      |                  |
| 1987 | 32 209                  | 6.6               |                        |                   |                       |                   |                      |                  |
| 1988 | 34 528                  | 7.0               |                        |                   |                       |                   |                      |                  |
| 1989 | 32 727                  | 6.7               |                        |                   |                       |                   |                      |                  |
| 1990 | 27 702                  | 5.9               |                        |                   |                       |                   |                      |                  |

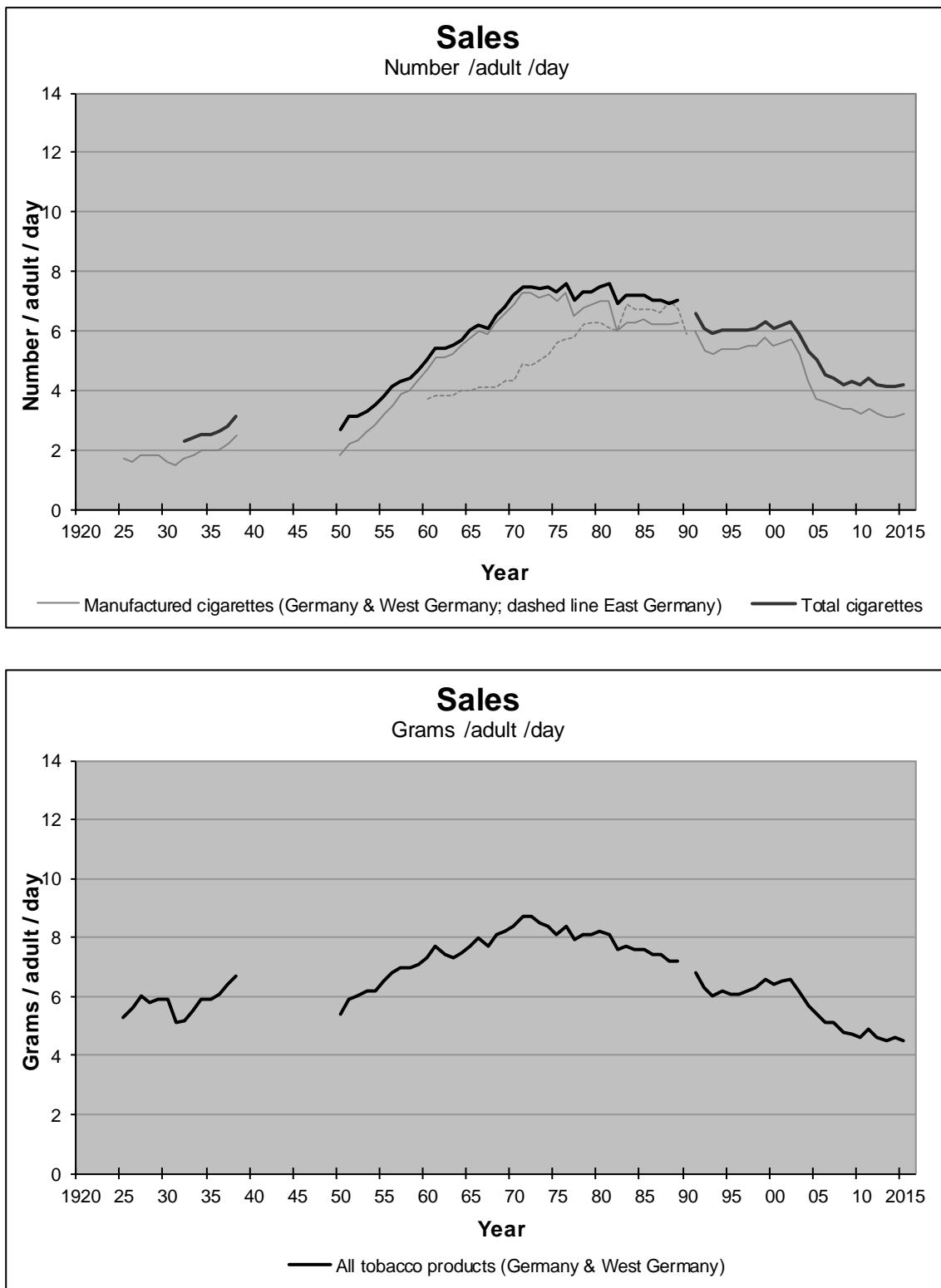
**Table 2** (continued/2)**Germany**

| Year   | Manufactured cigarettes |                   | Hand-rolled cigarettes |                   | Total cigarettes      |                   | All tobacco products  |                  |
|--------|-------------------------|-------------------|------------------------|-------------------|-----------------------|-------------------|-----------------------|------------------|
|        | Total annual millions   | Number/ adult/day | Total annual millions  | Number/ adult/day | Total annual millions | Number/ adult/day | Total annual millions | Grams/ adult/day |
| 1991   | 146 480                 | 6.0               | 15 169                 | 0.6               | 161 649               | 6.6               | 165 979               | 6.8              |
| 1992   | 131 153                 | 5.3               | 19 593                 | 0.8               | 150 746               | 6.1               | 154 742               | 6.3              |
| 1993   | 128 100                 | 5.2               | 17 556                 | 0.7               | 145 656               | 5.9               | 149 172               | 6.0              |
| 1994   | 134 044                 | 5.4               | 15 706                 | 0.6               | 149 750               | 6.0               | 153 948               | 6.2              |
| 1995   | 135 029                 | 5.4               | 15 624                 | 0.6               | 150 653               | 6.0               | 153 296               | 6.1              |
| 1996   | 136 244                 | 5.4               | 13 909                 | 0.6               | 150 153               | 6.0               | 153 768               | 6.1              |
| 1997   | 137 677                 | 5.5               | 14 134                 | 0.6               | 151 811               | 6.0               | 156 146               | 6.2              |
| 1998   | 138 388                 | 5.5               | 14 752                 | 0.6               | 153 140               | 6.1               | 158 746               | 6.3              |
| 1999   | 145 265                 | 5.8               | 13 996                 | 0.6               | 159 261               | 6.3               | 165 579               | 6.6              |
| 2000   | 139 625                 | 5.5               | 14 611                 | 0.6               | 154 236               | 6.1               | 161 302               | 6.4              |
| 2001   | 142 546                 | 5.6               | 16 273                 | 0.6               | 158 819               | 6.2               | 165 430               | 6.5              |
| 2002   | 145 153                 | 5.7               | 15 473                 | 0.6               | 160 626               | 6.3               | 168 694               | 6.6              |
| 2003   | 132 603                 | 5.2               | 18 603                 | 0.7               | 151 206               | 5.9               | 159 398               | 6.2              |
| 2004   | 111 761                 | 4.3               | 24 265                 | 0.9               | 136 026               | 5.3               | 145 959               | 5.7              |
| 2005   | 95 827                  | 3.7               | 33 232                 | 1.3               | 129 059               | 5.0               | 140 030               | 5.4              |
| 2006   | 93 465                  | 3.6               | 22 702                 | 0.9               | 116 167               | 4.5               | 131 855               | 5.1              |
| 2007   | 91 497                  | 3.5               | 22 381                 | 0.9               | 113 878               | 4.4               | 133 214               | 5.1              |
| 2008   | 87 979                  | 3.4               | 21 849                 | 0.8               | 109 828               | 4.2               | 124 924               | 4.8              |
| 2009   | 86 607                  | 3.4               | 24 404                 | 0.9               | 111 011               | 4.3               | 121 416               | 4.7              |
| 2010   | 83 565                  | 3.2               | 25 487                 | 1.0               | 109 052               | 4.2               | 120 038               | 4.6              |
| 2011   | 87 556                  | 3.4               | 27 043                 | 1.0               | 114 599               | 4.4               | 126 411               | 4.9              |
| 2012   | 82 405                  | 3.2               | 26 922                 | 1.0               | 109 327               | 4.2               | 120 093               | 4.6              |
| 2013   | 80 266                  | 3.1               | 25 734                 | 1.0               | 106 000               | 4.1               | 116 275               | 4.5              |
| 2014/1 | 79 521                  | 3.1               | 25 700                 | 1.0               | 105 221               | 4.1               | 116 564               | 4.6              |
| 2015/1 | 81 267                  | 3.2               | 25 470                 | 1.0               | 106 737               | 4.2               | 115 712               | 4.5              |

1 Per adult data based on 2013 population

Source: Manufactured cigarettes and all tobacco products, West Germany and Germany, Tables 1.1 and 1.2. Manufactured cigarettes, East Germany, see *Sales data for 1960-1990, East Germany*, p.86. Hand-rolled cigarettes, see *Notes on sources of sales data: Estimates of numbers of hand-rolled cigarettes, West Germany and Germany*, p. 88. Population, see *Population, Methods* p. 14.

**Figure 2** Sales of (i) manufactured and total<sup>1</sup> cigarettes and (ii) all tobacco products. Average per adult (aged 15 years and over) per day



<sup>1</sup> Includes estimated hand-rolled cigarette consumption

Source: Table 2.

Table 2 includes data for earlier years (not shown in this figure).

Except for dashed line which refers to East Germany, data for 1950-1989 refer to West Germany, other years to Germany.

**Table 3** Manufactured cigarettes: percentage of total sales as filter cigarettes; sales-weighted average machine yields per cigarette of tar (SWAT), and nicotine (SWAN); and total annual sales of cigarette papers

**West Germany**

| Year | Filter<br>consumption<br>% | Filter<br>production<br>% | SWAT<br>Moist<br>mg/cig | SWAT<br>Dry<br>mg/cig | SWAN<br>mg/cig | Cigarette<br>papers<br>millions |
|------|----------------------------|---------------------------|-------------------------|-----------------------|----------------|---------------------------------|
| 1956 | 18                         |                           |                         |                       |                |                                 |
| 1958 | 46                         |                           |                         |                       |                |                                 |
| 1959 | 56                         |                           |                         |                       |                |                                 |
| 1960 | 67.8                       |                           |                         |                       |                |                                 |
| 1961 | 72.8                       |                           | 28.3                    |                       | 1.44           | 4 515                           |
| 1962 | 75.9                       |                           | 26.8                    |                       | 1.40           | 4 407                           |
| 1963 | 77.9                       |                           | 25.8                    |                       | 1.35           | 4 345                           |
| 1964 | 80.0                       |                           | 25.5                    |                       | 1.29           | 4 269                           |
| 1965 | 81.6                       |                           | 23.7                    |                       | 1.24           | 4 148                           |
| 1966 | 82.9                       |                           | 22.7                    | 20.7                  | 1.18           | 3 989                           |
| 1967 | 83.3                       |                           | 21.8                    | 19.8                  | 1.14           | 4 518                           |
| 1968 | 82.5                       |                           | 20.9                    | 19.1                  | 1.10           | 4 175                           |
| 1969 | 84.1                       |                           | 20.0                    | 18.4                  | 1.05           | 4 121                           |
| 1970 | 84.2                       |                           | 18.2                    | 17.4                  | 1.00           | 4 056                           |
| 1971 | 84.8                       |                           | 18.5                    | 16.5                  | 0.94           | 3 691                           |
| 1972 | 85.1                       |                           | 17.6                    | 15.5                  | 0.89           | 3 962                           |
| 1973 | 85.2                       |                           | 16.9                    | 15.7                  | 0.91           | 4 869                           |
| 1974 | 84.8                       |                           | 15.9                    | 15.2                  | 0.77           | 5 311                           |
| 1975 | 86.0                       |                           | 15.2                    | 14.1                  | 0.66           | 5 118                           |
| 1976 | 86.4                       |                           |                         |                       |                | 6 167                           |
| 1977 | 86.9                       |                           |                         |                       |                | 10 044                          |
| 1978 | 87.2                       |                           |                         | 14.0                  | 0.73           | 9 134                           |
| 1979 | 87.5                       |                           |                         | 13.6                  | 0.75           | 9 711                           |
| 1980 | 88.2                       |                           |                         | 13.2                  | 0.78           | 10 427                          |
| 1981 | 88.9                       |                           |                         |                       |                | 12 385                          |
| 1982 | 89.0                       | 92.2                      |                         | 12.8                  | 0.80           | 19 086                          |
| 1983 | 92.0                       | 92.5                      |                         |                       |                | 19 137                          |
| 1984 |                            | 93.4                      |                         |                       |                | 17 116                          |
| 1985 |                            | 93.9                      |                         | 12.8                  | 0.78           | 16 765                          |
| 1986 |                            | 94.4                      |                         |                       |                |                                 |
| 1987 |                            | 94.5                      |                         |                       |                |                                 |
| 1988 |                            | 94.8                      |                         |                       |                |                                 |
| 1989 |                            | 95.2                      |                         |                       |                |                                 |
| 1990 |                            | 95.7                      |                         |                       |                |                                 |

**Table 3** (continued)**East Germany**

| Year | Filter           |                 |
|------|------------------|-----------------|
|      | consumption<br>% | production<br>% |
| 1960 | < 10             |                 |
| 1969 | 79               |                 |
| 1975 | 91               |                 |
| 1981 |                  | 95.0            |
| 1982 |                  | 95.0            |
| 1983 |                  | 95.0            |
| 1984 | 93               | 95.0            |
| 1985 |                  | 95.0            |
| 1986 |                  | 95.0            |
| 1987 |                  | 94.9            |
| 1988 |                  | 94.7            |
| 1989 |                  | 95.1            |
| 1990 |                  | 96.5            |

**Germany**

| Year | Filter           |                 |
|------|------------------|-----------------|
|      | consumption<br>% | production<br>% |
| 1991 |                  | 96.6            |
| 1992 |                  | 96.9            |
| 1993 |                  | 97.0            |
| 1994 |                  | 97.3            |
| 1995 |                  | 97.5            |
| 1996 |                  | 97.3            |
| 1997 | 96.6             | 97.4            |
| 1998 | 96.8             | 97.4            |
| 1999 |                  | 97.8            |
| 2000 |                  | 98.3            |
| 2001 |                  | 98.4            |
| 2002 |                  | 98.4            |
| 2003 |                  | 98.6            |
| 2004 |                  | 98.6            |

Source: see *Notes on sources of sales data: Plain/Filter cigarette sales*, p. 89, *Tar and nicotine machine yields of cigarettes*, p. 89, and *Sales of cigarette papers*, p. 90

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**Table 4M** Prevalence of smoking, males: selected surveys by age  
(continues on p. 22)

**West Germany**

| Year<br>Source<br>Product<br>Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |    |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|----|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75          |    |
| 50 11 UC U                             |            |    |    |    |    |    |    |    | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | 60          |    |
| 50 11 A U                              |            |    |    |    |    |    |    |    | 24 | 29 | 34 | 39 | 44 | 49 | 54 | 59 | 64 | 69 | 74 | 79          |    |
| 55 11 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 64 |
| 55 11 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 83 |
| 58 12 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 63 |
| 58 12 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 77 |
| 60 11 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 61 |
| 60 11 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 78 |
| 60 13 MCR                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 49 |
| 60 13 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 77 |
| 63 14 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 56 |
| 63 14 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 70 |
| 65 11 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 61 |
| 65 11 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 74 |
| 65 12 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 57 |
| 65 27 U U                              |            |    |    |    |    |    |    |    | 42 |    |    |    |    |    |    |    |    |    |    |             |    |
| 65 28 U U                              |            |    |    |    |    |    |    |    | 41 |    |    |    |    |    |    |    |    |    |    |             |    |
| 65 29 U U                              |            |    |    |    |    |    |    |    |    | 59 |    |    |    |    |    |    |    |    |    |             |    |
| 67 5 MC U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 53 |
| 67 5 A U                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 66 |
| 67 9 U U                               |            |    |    |    |    |    |    |    | 43 |    |    |    |    |    |    |    |    |    |    |             |    |
| 67 15 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 61 |
| 70 3 A A                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 59 |
| 70 8 UC U                              |            |    |    |    |    |    |    |    |    | 60 |    |    |    |    |    |    |    |    |    |             |    |
| 70 8 A U                               |            |    |    |    |    |    |    |    |    | 63 |    |    |    |    |    |    |    |    |    |             |    |
| 70 11 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 55 |
| 70 11 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 67 |
| 71 13 MCR                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 49 |
| 71 16 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 53 |
| 71 16 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 63 |
| 73 6 U U                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 65 |    |    |             | 60 |
| 73 7 * U                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 64 |    |    |             | 67 |
| 73 11 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 54 |
| 73 11 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 52 |
| 73 31 U A                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 65 |
| 73 68 U A                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 63 |
| 74 5 MC U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 42 |
| 74 5 A U                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 49 |
| 74 11 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 47 |
| 74 11 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 55 |
| 74 12 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 46 |
| 74 22 U A                              |            |    |    |    |    |    |    |    |    | 41 |    |    |    |    |    |    |    |    |    |             |    |
| 74 33 A U                              |            |    |    |    |    |    |    |    |    |    | 58 |    |    |    |    |    |    |    |    |             |    |
| 75 1 TC A                              |            |    |    |    |    |    |    |    |    |    | 50 |    |    |    |    |    |    | 43 |    |             | 26 |
| 75 1 A A                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 41 |
| 75 11 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 48 |
| 75 11 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 50 |
| 75 13 MCR                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 60 |
| 75 15 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 39 |
| 75 15 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 45 |
| 75 18* U U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 53 |
| 75 19 U U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 64 |
|  |            |    |    |    |    |    |    |    | 10 | 26 | 34 | 42 | 49 |    |    |    |    |    |    |             | 47 |

**Table 4F** Prevalence of smoking, females: selected surveys by age  
(continues on p. 23)

**West Germany**

| Year<br>Source<br>Product<br>Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80+         |
| 50 11 UC U                             |            |    |    |    |    |    |    |    | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |             |
| 50 11 A U                              |            |    |    |    |    |    |    |    | 24 | 29 | 34 | 39 | 44 | 49 | 54 | 59 | 64 | 69 | 74 | 79 |             |
| 55 11 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 55 11 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 58 12 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 58 12 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 60 11 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 60 11 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 60 13 MCR                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 60 13 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 63 14 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 63 14 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 65 11 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 65 11 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 65 12 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 65 27 U U                              |            |    |    |    |    |    |    |    | 36 |    |    |    |    |    |    |    |    |    |    |    |             |
| 65 28 U U                              |            |    |    |    |    |    |    |    | 33 |    | 52 |    |    |    |    |    |    |    |    |    |             |
| 65 29 U U                              |            |    |    |    |    |    |    |    | 12 |    | 41 |    |    |    |    |    |    |    |    |    |             |
| 67 5 MC U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 16 |    |    |    |             |
| 67 5 A U                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 16 |    |    |    |             |
| 67 9 U U                               |            |    | 23 |    | 45 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 67 15 UC U                             |            |    |    |    |    |    |    |    |    |    |    | 28 |    |    |    |    |    |    |    |    |             |
| 70 3 A A                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |             |
| 70 8 UC U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 70 8 A U                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 70 11 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    | 27 |    |    |    |    |    |             |
| 70 11 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    | 27 |    |    |    |    |    |             |
| 71 13 MCR                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    |    |    |             |
| 71 16 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 71 16 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 73 6 U U                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    | 27 |    |    |    |    |    |             |
| 73 7 * U                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |             |
| 73 11 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |    |    |    |    |    |             |
| 73 11 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |    |    |    |    |    |             |
| 73 31 U A                              |            |    |    |    |    |    |    |    | 39 |    |    |    |    |    |    |    |    |    |    |    |             |
| 73 68 U A                              |            |    | *  |    | 57 |    | 53 |    | 66 |    |    |    |    |    |    |    |    |    |    |    | 53          |
| 74 5 MC U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 19 |    |    |    |             |
| 74 5 A U                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 20 |    |    |    |             |
| 74 11 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |    |    |             |
| 74 11 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |    |    |    |             |
| 74 12 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    | 27 |    |    |    |    |    |             |
| 74 22 U A                              |            |    |    |    |    |    |    |    | 33 |    |    |    |    |    |    |    |    |    |    |    |             |
| 74 33 A U                              |            |    |    |    |    |    |    |    | 44 |    |    |    |    |    |    |    |    |    |    |    |             |
| 75 1 TC A                              |            |    |    |    |    |    |    |    | 40 |    |    | 30 |    | 22 |    | 17 |    | 7  |    |    | 23          |
| 75 1 A A                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    | 23 |    |    |    |    |    |             |
| 75 11 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |    |    |             |
| 75 11 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |    |    |             |
| 75 13 MCR                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    | 20 |    |    |    |    |    |             |
| 75 15 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    | 23 |    |    |    |    |    |             |
| 75 15 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    | 23 |    |    |    |    |    |             |
| 75 18* U U                             |            |    |    |    |    |    |    |    | 16 | 28 | 33 | 40 | 36 |    |    |    |    |    |    |    | 43          |
| 75 19 U U                              |            |    |    |    |    |    |    |    | 55 | 57 | 62 | 58 | 63 |    |    |    |    |    |    |    |             |

**Table 4M** (*continued from p. 20, continues on p. 24*)  
Prevalence of smoking, males

**West Germany (continued)**

| Year<br>Source<br>Product<br>Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |             |
| 76 3 A A                               |            |    |    |    |    |    |    |    | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |             |
| 76 11 UC U                             |            |    |    |    |    |    |    |    | 24 | 29 | 34 | 39 | 44 | 49 | 54 | 59 | 64 | 69 | 74 | 79 |             |
| 76 11 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 76 13 MC R                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 76 31 U A                              |            |    |    |    |    |    |    |    | 44 |    |    |    |    |    |    |    |    |    |    |    |             |
| 76 68 U A                              |            | *  |    |    |    |    |    |    | 55 | 66 | 63 |    |    |    |    |    |    |    |    |    | 55          |
| 77 1 TC A                              |            |    |    |    |    |    |    |    | 52 |    | 46 | 47 | 38 |    |    |    |    |    | 24 |    | 43          |
| 77 1 A A                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 77 11 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 77 11 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 77 13 MC R                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 77 17 UC U                             |            |    |    |    |    |    |    |    |    | 45 |    |    |    |    |    |    |    |    |    |    |             |
| 77 17 A U                              |            |    |    |    |    |    |    |    |    | 50 |    |    |    |    |    |    |    |    |    |    |             |
| 78 11 UC U                             |            |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |             |
| 78 11 A U                              |            |    |    |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    |    |    |             |
| 78 13 MC R                             |            |    |    |    |    |    |    |    |    |    | 37 |    |    |    |    |    |    |    |    |    |             |
| 78 16 UC U                             |            |    |    |    |    |    |    |    |    |    | 48 |    |    |    |    |    |    |    |    |    |             |
| 78 16 A U                              |            |    |    |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    |    |    |             |
| 78 20 U U                              |            |    |    |    |    |    |    |    | 25 |    |    |    |    |    |    |    |    |    |    |    |             |
| 78 34 UC U                             |            |    |    |    |    |    |    |    |    |    | 43 |    |    |    |    |    |    |    |    |    |             |
| 78 67 UC R                             | *          | 4  | 21 | 39 | 47 | 48 | 44 | 42 | 39 | 31 |    |    |    |    |    |    |    |    |    |    | 34          |
| 78 67 A R                              | *          | 4  | 22 | 39 | 48 | 50 | 47 | 45 | 44 | 38 |    |    |    |    |    |    |    |    |    |    | 37          |
| 78 67 A A                              | *          | 7  | 30 | 49 | 56 | 57 | 53 | 51 | 49 | 45 |    |    |    |    |    |    |    |    |    |    | 43          |
| 79 1 TC A                              |            |    |    |    |    | 49 |    | 43 | 40 | 42 |    |    |    |    |    |    |    |    | 28 |    | 41          |
| 79 1 A A                               |            |    |    |    |    |    |    |    |    | 48 |    |    |    |    |    |    |    |    |    |    |             |
| 79 2 TC A                              |            |    |    |    |    | 39 |    | 56 | 43 | 40 | 42 |    |    |    |    |    |    |    | 28 |    | 41          |
| 79 2 A A                               |            |    |    |    |    | 39 |    | 63 | 49 | 43 | 52 |    |    |    |    |    |    |    | 42 |    | 48          |
| 79 11 UC U                             |            |    |    |    |    |    |    |    |    | 44 |    |    |    |    |    |    |    |    |    |    |             |
| 79 11 A U                              |            |    |    |    |    |    |    |    |    | 52 |    |    |    |    |    |    |    |    |    |    |             |
| 79 13 MC R                             |            |    |    |    |    |    |    |    |    | 38 |    |    |    |    |    |    |    |    |    |    |             |
| 79 35 UC *                             | 2          | 8  | 17 | 28 | 40 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 18          |
| 79 35 UC A                             | 29         | 29 | 36 | 49 | 53 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 39          |
| 79 68 U A                              |            | 21 |    | 55 | 63 | 63 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47          |
| 80 3 A A                               |            |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |             |
| 80 11 UC U                             |            |    |    |    |    |    |    |    |    |    | 49 |    |    |    |    |    |    |    |    |    |             |
| 80 11 A U                              |            |    |    |    |    |    |    |    |    |    | 53 |    |    |    |    |    |    |    |    |    |             |
| 80 31 U A                              |            |    |    |    |    | 42 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 80 81 U R                              |            |    |    |    |    |    | 53 |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 80 81 U A                              |            |    |    |    |    |    | 61 |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 81 1 TC R                              |            |    |    |    |    | 18 |    | 51 | 37 | 33 | 30 |    |    |    |    |    |    |    | 18 |    | 31          |
| 81 1 TC A                              |            |    |    |    |    | 21 |    | 57 | 42 | 38 | 35 |    |    |    |    |    |    |    | 23 |    | 36          |
| 81 1 A A                               |            |    |    |    |    | 25 |    | 68 | 55 | 46 | 45 |    |    |    |    |    |    |    | 40 |    | 47          |
| 81 3 A A                               |            |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |             |
| 82 3 A A                               |            |    |    |    |    |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    |             |
| 82 68 U A                              |            | 16 | 45 | 58 | 58 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 42          |
| 83 3 A A                               |            |    |    |    |    |    |    |    | 48 |    |    |    |    |    |    |    |    |    |    |    |             |
| 83 21 U A                              |            |    |    |    |    | 35 |    | 51 | 41 | 44 | 45 |    |    |    |    |    |    |    |    |    |             |

**Table 4F** (continued from p. 21, continues on p. 25)  
Prevalence of smoking, females

**West Germany (continued)**

| Year<br>Source<br>Product<br>Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75          |
| 76 3 A A                               |            |    |    |    |    |    |    |    | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | 22          |
| 76 11 UC U                             |            |    |    |    |    |    |    |    | 24 | 29 | 34 | 39 | 44 | 49 | 54 | 59 | 64 | 69 | 74 | 79          |
| 76 11 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28          |
| 76 13 MCR                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 21          |
| 76 31 U A                              |            |    |    |    |    |    |    |    | 37 |    |    |    |    |    |    |    |    |    |    |             |
| 76 68 U A                              |            | *  |    |    |    |    |    |    | 52 | 59 | 58 |    |    |    |    |    |    |    |    | 52          |
| 77 1 TC A                              |            |    |    |    |    |    |    |    | 45 |    | 30 | 21 | 23 |    |    |    |    | 7  |    | 25          |
| 77 1 A A                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 25          |
| 77 11 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28          |
| 77 11 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 29          |
| 77 13 MCR                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28          |
| 77 17 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |             |
| 77 17 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |             |
| 78 11 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 31 |    |             |
| 78 11 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 31 |    |             |
| 78 13 MCR                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 19 |    |             |
| 78 16 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 27 |    |             |
| 78 16 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |             |
| 78 20 U U                              |            |    |    |    |    |    |    |    | 21 |    |    |    |    |    |    |    |    |    |    |             |
| 78 34 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |             |
| 78 67 UC R                             | *          | 2  | 14 | 28 | 36 | 31 |    | 22 |    | 16 | 14 | 9  |    |    |    |    |    | 4  |    | 15          |
| 78 67 A R                              | *          | 2  | 14 | 28 | 36 | 31 |    | 22 |    | 16 | 14 | 9  |    |    |    |    |    | 4  |    | 15          |
| 78 67 A A                              | *          | 5  | 22 | 38 | 45 | 39 |    | 29 |    | 20 | 18 | 12 |    |    |    |    |    | 5  |    | 19          |
| 79 1 TC A                              |            |    |    |    |    |    |    | 45 |    | 41 | 19 | 21 |    |    |    |    |    | 12 |    | 28          |
| 79 1 A A                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |             |
| 79 2 TC A                              |            |    |    |    |    |    |    | 42 |    | 47 | 41 | 19 | 21 | 18 |    |    |    | 6  |    | 28          |
| 79 2 A A                               |            |    |    |    |    |    |    | 42 |    | 47 | 41 | 19 | 21 | 18 |    |    |    | 6  |    | 28          |
| 79 11 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |             |
| 79 11 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |             |
| 79 13 MCR                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 22 |    |    |             |
| 79 35 UC *                             | 4          | 6  | 29 | 32 | 68 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24          |
| 79 35 UC A                             | 19         | 26 | 53 | 52 | 81 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 43          |
| 79 68 U A                              |            | 19 |    | 46 | 57 | 52 |    |    |    |    |    |    |    |    |    |    |    |    |    | 40          |
| 80 3 A A                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |             |
| 80 11 UC U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |             |
| 80 11 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |             |
| 80 31 U A                              |            |    |    |    |    |    |    | 35 |    |    |    |    |    |    |    |    |    |    |    |             |
| 80 81 U R                              |            |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |             |
| 80 81 U A                              |            |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    |             |
| 81 1 TC R                              |            |    |    |    |    |    |    | 14 |    | 36 | 31 | 18 | 12 | 10 |    |    |    | 5  |    | 18          |
| 81 1 TC A                              |            |    |    |    |    |    |    | 22 |    | 45 | 36 | 20 | 13 | 11 |    |    |    | 6  |    | 22          |
| 81 1 A A                               |            |    |    |    |    |    |    | 23 |    | 47 | 37 | 21 | 13 | 11 |    |    |    | 6  |    | 23          |
| 81 3 A A                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 25 |    |    |             |
| 82 3 A A                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |             |
| 82 68 U A                              |            | 14 |    | 40 | 53 | 58 |    |    |    |    |    |    |    |    |    |    |    |    |    | 39          |
| 83 3 A A                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |             |
| 83 21 U A                              |            |    |    |    |    |    |    | 36 |    | 50 | 32 | 22 | 20 |    |    |    |    |    |    |             |

**Table 4M** (*continued from p. 22, continues on p. 26*)  
Prevalence of smoking, males

**West Germany (continued/2)**

| Year | Source | Product | Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |    |    |  |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|----|----|--|
|      |        |         |           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75          |    |    |  |
| 84   | 1      | A       | A         |            |    |    |    |    |    |    |    | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | 46          |    |    |  |
| 84   | 3      | UC      | A         |            |    |    |    |    |    |    |    | 24 | 29 | 34 | 39 | 44 | 49 | 54 | 59 | 64 | 69 | 74 | 79          | 38 |    |  |
| 84   | 3      | A       | A         |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 49 |    |  |
| 84   | 4      | MC      | A         |            |    |    |    |    |    |    |    | 22 |    | 56 |    | 59 |    | 47 |    | 29 |    | 33 |             | 43 |    |  |
| 84   | 4      | TC      | A         |            |    |    |    |    |    |    |    | 24 |    | 59 |    | 60 |    | 47 |    | 29 |    | 34 |             | 44 |    |  |
| 84   | 4      | A       | A         |            |    |    |    |    |    |    |    | 24 |    | 62 |    | 66 |    | 49 |    | 31 |    | 40 |             | 47 |    |  |
| 84   | 23     | UC      | A         |            |    |    |    |    |    |    |    |    |    | 64 |    | 48 |    | 44 |    | 40 |    |    |             | 44 |    |  |
| 85   | 5      | MC      | U         |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 29 |    |  |
| 85   | 5      | A       | U         |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 36 |    |  |
| 85   | 24     | UC      | R         |            |    |    |    |    |    |    |    |    |    |    | 47 |    | 32 |    | 32 |    | 25 |    |             |    | 30 |  |
| 85   | 24     | UC      | A         |            |    |    |    |    |    |    |    |    |    |    | 49 |    | 35 |    | 34 |    | 26 |    |             |    | 32 |  |
| 85   | 24     | A       | A         |            |    |    |    |    |    |    |    |    |    |    | 54 |    | 40 |    | 39 |    | 32 |    |             |    | 37 |  |
| 85   | 25     | UC      | R         |            |    |    |    |    |    |    |    |    |    |    | 47 |    | 41 |    | 36 |    | 30 |    |             |    | 36 |  |
| 85   | 25     | UC      | A         |            |    |    |    |    |    |    |    |    |    |    | 54 |    | 42 |    | 37 |    | 30 |    |             |    | 37 |  |
| 85   | 25     | A       | A         |            |    |    |    |    |    |    |    |    |    |    | 55 |    | 45 |    | 39 |    | 33 |    |             |    | 40 |  |
| 85   | 26     | UC      | R         |            |    |    |    |    |    |    |    |    |    |    | 43 |    | 32 |    | 28 |    | 28 |    |             |    | 30 |  |
| 85   | 26     | UC      | A         |            |    |    |    |    |    |    |    |    |    |    | 49 |    | 37 |    | 32 |    | 34 |    |             |    | 34 |  |
| 85   | 26     | A       | A         |            |    |    |    |    |    |    |    |    |    |    | 51 |    | 40 |    | 35 |    | 38 |    |             |    | 38 |  |
| 85   | 36     | U       | U         |            |    |    |    |    |    |    |    |    |    |    | 49 |    | 51 |    | 39 |    | 36 |    | 31          |    | 42 |  |
| 85   | 37     | A       | R         |            |    |    |    |    |    |    |    |    |    |    | 54 |    | 49 |    | 39 |    | 37 |    |             |    | 45 |  |
| 86   | 68     | U       | A         |            | 12 | 36 | 53 | 63 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 46 |    |  |
| 86   | 81     | U       | R         |            |    |    |    | 44 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |    |  |
| 86   | 81     | U       | A         |            |    |    |    | 50 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |    |  |
| 87   | 72     | UC      | U         |            |    |    |    | 38 |    |    |    |    |    |    | 58 |    | 39 |    |    |    |    | 28 |             | 40 |    |  |
| 87   | 72     | A       | U         |            |    |    |    | 38 |    |    |    |    |    |    | 68 |    | 50 |    |    |    |    | 34 |             | 47 |    |  |
| 88   | 23     | UC      | A         |            |    |    |    |    |    |    |    |    |    |    | 58 |    | 51 |    | 40 |    | 40 |    |             |    | 44 |  |
| 88   | 23     | A       | A         |            |    |    |    |    |    |    |    |    |    |    | 58 |    | 52 |    | 40 |    | 40 |    |             |    | 45 |  |
| 88   | 36     | U       | U         |            |    |    |    |    |    |    |    |    |    |    | 50 |    | 54 |    | 44 |    | 34 |    | 35          |    | 44 |  |
| 88   | 72     | TC      | U         |            |    |    |    | 26 |    |    |    |    |    |    | 53 |    |    | 47 |    |    |    |    |             |    | 42 |  |
| 88   | 72     | A       | U         |            |    |    |    | 26 |    |    |    |    |    |    | 54 |    |    | 51 |    |    |    |    |             |    | 45 |  |
| 88   | 72     | TC      | U         |            |    |    |    | 34 |    |    |    |    |    |    | 39 |    |    | 31 |    |    |    |    |             |    | 33 |  |
| 88   | 72     | A       | U         |            |    |    |    | 34 |    |    |    |    |    |    | 48 |    |    | 38 |    |    |    |    |             |    | 33 |  |
| 89   | 67     | UC      | R         | *          |    |    |    | 16 |    | 36 | 41 | 42 | 39 | 36 | 32 | 29 | 27 | 24 | 19 | 14 | 10 |    | 29          |    |    |  |
| 89   | 67     | A       | R         | *          |    |    |    | 17 |    | 37 | 43 | 44 | 41 | 39 | 35 | 32 | 31 | 28 | 23 | 18 | 16 |    | 31          |    |    |  |
| 89   | 67     | A       | A         | *          |    |    |    | 22 |    | 44 | 48 | 49 | 47 | 44 | 40 | 37 | 35 | 32 | 27 | 24 | 21 |    | 36          |    |    |  |
| 89   | 68     | U       | A         |            | 11 | 49 | 51 | 61 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 46 |    |  |
| 89   | 72     | TC      | U         |            |    |    |    | 27 |    |    |    |    |    |    | 51 |    |    | 41 |    |    |    |    |             |    | 38 |  |
| 89   | 72     | A       | U         |            |    |    |    | 27 |    |    |    |    |    |    | 54 |    |    | 45 |    |    |    |    |             |    | 43 |  |
| 89   | 72     | TC      | U         |            |    |    |    | 41 |    |    |    |    |    |    | 53 |    |    | 41 |    |    |    |    |             |    | 40 |  |
| 89   | 72     | A       | U         |            |    |    |    | 43 |    |    |    |    |    |    | 57 |    |    | 46 |    |    |    |    |             |    | 46 |  |
| 90   | 25     | UC      | R         |            |    |    |    |    |    |    |    |    |    |    | 39 |    | 38 |    | 32 |    | 25 |    |             |    | 32 |  |
| 90   | 25     | UC      | A         |            |    |    |    |    |    |    |    |    |    |    | 46 |    | 42 |    | 33 |    | 27 |    |             |    | 35 |  |
| 90   | 25     | A       | A         |            |    |    |    |    |    |    |    |    |    |    | 46 |    | 44 |    | 35 |    | 29 |    |             |    | 37 |  |
| 90   | 26     | UC      | R         |            |    |    |    |    |    |    |    |    |    |    | 35 |    | 35 |    | 27 |    | 19 |    |             |    | 28 |  |
| 90   | 26     | UC      | A         |            |    |    |    |    |    |    |    |    |    |    | 38 |    | 39 |    | 29 |    | 23 |    |             |    | 31 |  |
| 90   | 26     | A       | A         |            |    |    |    |    |    |    |    |    |    |    | 39 |    | 40 |    | 30 |    | 26 |    |             |    | 33 |  |
| 90   | 36     | U       | U         |            |    |    |    |    |    |    |    |    |    |    | 46 |    | 48 |    | 40 |    | 33 |    | 25          |    | 39 |  |

**Table 4F** (*continued from p. 23, continues on p. 27*)  
Prevalence of smoking, females

**West Germany (continued/2)**

| Year<br>Source<br>Product<br>Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80+         |
| 84 1 A A                               |            |    |    |    |    |    |    |    | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |             |
| 84 1 A A                               |            |    |    |    |    |    |    |    | 24 | 29 | 34 | 39 | 44 | 49 | 54 | 59 | 64 | 69 | 74 | 79 |             |
| 84 3 U C A                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 84 3 U C A                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 84 3 A A                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 84 4 M C A                             |            |    |    |    |    |    |    |    | 31 | 46 | 42 | 28 | 21 | 17 |    |    |    |    |    |    |             |
| 84 4 T C A                             |            |    |    |    |    |    |    |    | 31 | 49 | 43 | 28 | 23 | 17 |    |    |    |    |    |    |             |
| 84 4 A A                               |            |    |    |    |    |    |    |    | 31 | 49 | 43 | 28 | 23 | 17 |    |    |    |    |    |    |             |
| 84 23 U C A                            |            |    |    |    |    |    |    |    |    | 49 | 37 | 26 | 21 |    |    |    |    |    |    |    |             |
| 85 5 M C U                             |            |    |    |    |    |    |    |    |    |    |    |    |    |    | 16 |    |    |    |    |    |             |
| 85 5 A U                               |            |    |    |    |    |    |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |             |
| 85 24 U C R                            |            |    |    |    |    |    |    |    |    | 39 | 31 | 17 | 15 |    |    |    |    |    |    |    |             |
| 85 24 U C A                            |            |    |    |    |    |    |    |    |    | 42 | 36 | 19 | 17 |    |    |    |    |    |    |    |             |
| 85 24 A A                              |            |    |    |    |    |    |    |    |    | 42 | 36 | 19 | 18 |    |    |    |    |    |    |    |             |
| 85 25 U C R                            |            |    |    |    |    |    |    |    |    | 35 | 24 | 18 | 11 |    |    |    |    |    |    |    |             |
| 85 25 U C A                            |            |    |    |    |    |    |    |    |    | 42 | 27 | 21 | 14 |    |    |    |    |    |    |    |             |
| 85 25 A A                              |            |    |    |    |    |    |    |    |    | 42 | 27 | 21 | 14 |    |    |    |    |    |    |    |             |
| 85 26 U C R                            |            |    |    |    |    |    |    |    |    | 25 | 16 | 11 | 7  |    |    |    |    |    |    |    |             |
| 85 26 U C A                            |            |    |    |    |    |    |    |    |    | 31 | 22 | 13 | 9  |    |    |    |    |    |    |    |             |
| 85 26 A A                              |            |    |    |    |    |    |    |    |    | 31 | 22 | 13 | 9  |    |    |    |    |    |    |    |             |
| 85 36 U U                              |            |    |    |    |    |    |    |    |    | 43 | 40 | 24 | 19 | 13 |    |    |    |    |    |    |             |
| 85 37 A R                              |            |    |    |    |    |    |    |    |    | 43 | 35 | 17 | 11 |    |    |    |    |    |    |    |             |
| 86 68 U A                              | 18         | 37 | 47 | 58 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 44          |
| 86 81 U R                              |            |    |    | 34 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 86 81 U A                              |            |    |    | 41 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 87 72 U C U                            |            |    |    | 28 |    |    |    |    |    | 45 | 29 |    |    |    |    |    |    | 11 |    |    | 26          |
| 87 72 A U                              |            |    |    | 28 |    |    |    |    |    | 46 | 29 |    |    |    |    |    |    | 11 |    |    | 26          |
| 88 23 U C A                            |            |    |    |    |    |    |    |    |    | 53 | 36 | 27 | 23 |    |    |    |    |    |    |    | 29          |
| 88 23 A A                              |            |    |    |    |    |    |    |    |    | 53 | 36 | 27 | 23 |    |    |    |    |    |    |    | 29          |
| 88 36 U U                              |            |    |    |    |    |    |    |    |    | 47 | 37 | 27 | 19 | 15 |    |    |    |    |    |    | 27          |
| 88 72 T C U                            |            |    |    | 29 |    |    |    |    |    | 42 |    | 26 |    |    |    |    |    | 24 |    |    | 29          |
| 88 72 A U                              |            |    |    | 30 |    |    |    |    |    | 44 |    | 26 |    |    |    |    |    | 24 |    |    | 30          |
| 88 72 T C U                            |            |    |    | 25 |    |    |    |    |    | 40 |    | 28 |    |    |    |    |    | 17 |    |    | 26          |
| 88 72 A U                              |            |    |    | 26 |    |    |    |    |    | 42 |    | 28 |    |    |    |    |    | 17 |    |    | 27          |
| 89 67 U C R                            | *          |    |    | 12 |    |    |    |    |    | 32 | 31 | 28 | 26 | 19 | 14 | 12 | 11 | 8  | 6  | 2  | 17          |
| 89 67 A R                              | *          |    |    | 12 |    |    |    |    |    | 29 | 32 | 29 | 26 | 19 | 14 | 12 | 11 | 8  | 7  | 2  | 17          |
| 89 67 A A                              | *          |    |    | 16 |    |    |    |    |    | 35 | 39 | 38 | 35 | 31 | 24 | 17 | 15 | 14 | 11 | 9  | 3           |
| 89 68 U A                              | 10         | 36 | 46 | 53 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 40          |
| 89 72 T C U                            |            |    |    | 19 |    |    |    |    |    | 40 |    | 25 |    |    |    |    |    | 17 |    |    | 25          |
| 89 72 A U                              |            |    |    | 19 |    |    |    |    |    | 41 |    | 25 |    |    |    |    |    | 17 |    |    | 25          |
| 89 72 T C U                            |            |    |    | 47 |    |    |    |    |    | 36 |    | 29 |    |    |    |    |    | 13 |    |    | 27          |
| 89 72 A U                              |            |    |    | 49 |    |    |    |    |    | 37 |    | 29 |    |    |    |    |    | 14 |    |    | 29          |
| 90 25 U C R                            |            |    |    |    |    |    |    |    |    | 34 |    | 38 |    | 23 |    | 17 |    |    |    |    | 27          |
| 90 25 U C A                            |            |    |    |    |    |    |    |    |    | 40 |    | 42 |    | 24 |    | 19 |    |    |    |    | 30          |
| 90 25 A A                              |            |    |    |    |    |    |    |    |    | 40 |    | 42 |    | 24 |    | 19 |    |    |    |    | 30          |
| 90 26 U C R                            |            |    |    |    |    |    |    |    |    | 24 |    | 22 |    | 16 |    | 6  |    |    |    |    | 16          |
| 90 26 U C A                            |            |    |    |    |    |    |    |    |    | 30 |    | 25 |    | 19 |    | 6  |    |    |    |    | 18          |
| 90 26 A A                              |            |    |    |    |    |    |    |    |    | 30 |    | 25 |    | 19 |    | 6  |    |    |    |    | 18          |
| 90 36 U U                              |            |    |    |    |    |    |    |    |    | 41 |    | 41 |    | 31 |    | 19 |    | 12 |    |    | 28          |

**Table 4M** (*continued from p. 24, continues on p. 28*)  
Prevalence of smoking, males

**West Germany (continued/3)**

| Year | Source | Product | Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All ages |    |    |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|----|
|      |        |         |           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 70       | 75 |    |
| 90   | 38     | U *     |           |            | 5  | 13 |    |    |    |    |    | -  | -  | -  | -  | -  | -  | -  | -  | -  | -        |    |    |
| 90   | 38     | U R     | 1         | 12         |    |    |    |    |    |    |    | 24 | 29 | 34 | 39 | 44 | 49 | 54 | 59 | 64 | 69       | 74 | 79 |
| 90   | 72     | MC U    |           |            |    |    | 36 |    |    |    |    |    | 52 |    | 38 |    |    |    |    |    |          |    | 38 |
| 90   | 72     | TC U    |           |            |    |    |    | 41 |    |    |    |    | 59 |    | 38 |    |    |    |    |    |          |    | 42 |
| 90   | 72     | A U     |           |            |    |    |    |    | 42 |    |    |    | 60 |    | 42 |    |    |    |    |    |          |    | 45 |
| 90   | 81     | U R     |           |            |    |    |    |    | 36 |    |    |    | 41 |    |    |    |    |    |    |    |          |    |    |
| 90   | 81     | U A     |           |            |    |    |    |    |    | 43 |    |    | 49 |    |    |    |    |    |    |    |          |    |    |
| 91   | 23     | UC A    |           |            |    |    |    |    |    |    |    | 55 |    | 47 |    | 44 |    | 32 |    |    |          |    | 42 |
| 91   | 23     | A A     |           |            |    |    |    |    |    |    |    | 55 |    | 47 |    | 44 |    | 32 |    |    |          |    | 42 |
| 91   | 39     | UC *    |           | 14         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |
| 91   | 39     | UC A    |           | 23         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |
| 91   | 72     | MC U    |           |            |    |    | 38 |    |    |    |    | 49 |    | 40 |    |    |    |    |    |    |          |    | 37 |
| 91   | 72     | TC U    |           |            |    |    |    | 39 |    |    |    | 53 |    | 43 |    |    |    |    |    |    |          |    | 39 |
| 91   | 72     | A U     |           |            |    |    |    |    | 39 |    |    | 55 |    | 46 |    |    |    |    |    |    |          |    | 42 |
| 92   | 40     | U *     | 2         |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |
| 92   | 41     | U *     | 2         |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |
| 92   | 67     | UC R    | *         |            |    | 16 |    | 34 | 39 | 41 | 41 | 36 | 33 | 28 | 25 | 22 | 18 | 15 | 9  |    |          | 28 |    |
| 92   | 67     | A R     | *         |            |    | 16 |    | 35 | 40 | 43 | 43 | 38 | 36 | 31 | 28 | 25 | 21 | 18 | 13 |    |          | 30 |    |
| 92   | 67     | A A     | *         |            |    | 20 |    | 40 | 45 | 47 | 48 | 43 | 41 | 35 | 31 | 29 | 24 | 22 | 16 |    |          | 35 |    |
| 92   | 72     | MC U    |           |            |    | 40 |    |    | 39 |    |    | 36 |    |    |    |    |    |    |    |    |          | 34 |    |
| 92   | 72     | TC U    |           |            |    |    | 46 |    |    | 44 |    | 40 |    |    |    |    |    |    |    |    |          | 38 |    |
| 92   | 72     | A U     |           |            |    |    | 47 |    |    | 48 |    | 44 |    |    |    |    |    |    |    |    |          | 42 |    |
| 93   | 68     | U R     |           | 29         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |
| 93   | 68     | U A     |           | 20         |    | 52 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    | 41 |
| 94   | 42     | UC *    | 11        |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |
| 94   | 42     | UC A    | 8         | 17         | 29 | 40 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    | 22 |
| 94   | 72     | MC U    |           |            |    |    | 36 |    |    | 41 |    | 35 |    |    |    |    |    |    |    |    |          |    | 33 |
| 94   | 72     | TC U    |           |            |    |    |    | 45 |    |    | 48 |    | 41 |    |    |    |    |    |    |    |          |    | 38 |
| 94   | 72     | A U     |           |            |    |    |    | 45 |    |    | 49 |    | 46 |    |    |    |    |    |    |    |          |    | 42 |
| 94   | 73     | MC U    |           |            |    |    |    | 36 |    |    | 41 |    | 38 |    |    |    |    |    |    |    |          |    | 34 |
| 94   | 73     | TC U    |           |            |    |    |    | 46 |    |    | 49 |    | 44 |    |    |    |    |    |    |    |          |    | 39 |
| 94   | 73     | A U     |           |            |    |    |    |    | 46 |    | 50 |    | 49 |    |    |    |    |    |    |    |          |    | 44 |
| 94   | 75     | U R     | 8         |            | 21 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |
| 95   | 25     | UC R    |           |            |    |    |    |    | 42 |    | 43 |    | 35 |    | 24 |    |    |    |    |    |          |    | 35 |
| 95   | 25     | UC A    |           |            |    |    |    |    | 46 |    | 47 |    | 40 |    | 26 |    |    |    |    |    |          |    | 39 |
| 95   | 25     | A A     |           |            |    |    |    |    | 46 |    | 49 |    | 42 |    | 28 |    |    |    |    |    |          |    | 41 |
| 95   | 26     | UC R    |           |            |    |    |    |    | 33 |    | 32 |    | 21 |    | 18 |    |    |    |    |    |          |    | 24 |
| 95   | 26     | UC A    |           |            |    |    |    |    | 39 |    | 34 |    | 25 |    | 19 |    |    |    |    |    |          |    | 27 |
| 95   | 26     | A A     |           |            |    |    |    |    | 39 |    | 36 |    | 27 |    | 22 |    |    |    |    |    |          |    | 29 |
| 95   | 73     | MC U    |           |            |    |    | 33 |    |    | 41 |    | 31 |    |    |    |    |    |    |    |    |          |    | 31 |
| 95   | 73     | TC U    |           |            |    |    |    | 36 |    | 47 |    | 33 |    |    |    |    |    |    |    |    |          |    | 34 |
| 95   | 73     | A U     |           |            |    |    |    | 36 |    | 47 |    | 38 |    |    |    |    |    |    |    |    |          |    | 38 |
| 95   | 81     | U R     |           |            |    | 26 |    |    | 34 |    |    | 27 |    |    |    |    |    |    |    |    |          |    |    |
| 95   | 81     | U A     |           |            |    |    | 50 |    |    | 47 |    | 36 |    |    |    |    |    |    |    |    |          |    | 42 |
| 97   | 68     | U A     |           | 27         |    | 53 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    | 43 |
| 97   | 81     | U R     |           |            |    | 34 |    |    | 36 |    |    | 31 |    |    |    |    |    |    |    |    |          |    |    |
| 97   | 81     | U A     |           |            |    | 42 | 50 | 44 | 49 |    |    | 46 |    | 33 |    |    |    |    |    |    |          |    | 43 |

**Table 4F** (*continued from p. 25, continues on p. 29*)  
Prevalence of smoking, females

**West Germany (continued/3)**

| Year<br>Source<br>Product<br>Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |    |    |    |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|----|----|----|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |             |    |    |    |
| 90 38 U *                              |            |    | 4  | 8  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |    |    |
| 90 38 U R                              | 1          |    | 6  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |    |    |
| 90 72 MC U                             |            |    |    | 31 |    |    |    |    | 38 |    |    |    | 27 |    |    |    |    |    | 16 |    | 26          |    |    |    |
| 90 72 TC U                             |            |    |    |    | 32 |    |    |    |    | 41 |    |    |    | 27 |    |    |    |    |    | 17 | 27          |    |    |    |
| 90 72 A U                              |            |    |    |    |    | 32 |    |    |    |    | 41 |    |    | 27 |    |    |    |    |    | 18 | 28          |    |    |    |
| 90 81 U R                              |            |    |    |    |    |    | 34 |    |    |    | 36 |    |    |    |    |    |    |    |    |    |             |    |    |    |
| 90 81 U A                              |            |    |    |    |    |    |    | 42 |    |    | 42 |    |    |    |    |    |    |    |    |    |             |    |    |    |
| 91 23 UC A                             |            |    |    |    |    |    |    |    | 48 |    | 47 |    |    | 24 |    |    | 19 |    |    |    | 31          |    |    |    |
| 91 23 A A                              |            |    |    |    |    |    |    |    |    | 48 |    | 47 |    | 24 |    |    | 19 |    |    |    | 31          |    |    |    |
| 91 39 UC *                             |            | 16 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |    |    |
| 91 39 UC A                             |            | 28 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |    |    |
| 91 72 MC U                             |            |    |    | 32 |    |    |    |    | 39 |    |    |    | 29 |    |    |    |    |    | 9  |    | 24          |    |    |    |
| 91 72 TC U                             |            |    |    |    | 36 |    |    |    |    | 43 |    |    | 29 |    |    |    |    |    | 11 |    | 27          |    |    |    |
| 91 72 A U                              |            |    |    |    |    | 36 |    |    |    | 43 |    |    | 29 |    |    |    |    |    | 11 |    | 27          |    |    |    |
| 92 40 U *                              | 4          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |    |    |
| 92 41 U *                              | 1          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |    |    |
| 92 67 UC R                             | *          |    |    | 11 |    |    |    |    | 26 |    | 29 |    | 30 |    | 30 | 26 | 23 | 14 | 12 | 10 | 7           | 3  | 17 |    |
| 92 67 A R                              | *          |    |    | 12 |    |    |    |    |    | 26 |    | 30 |    | 31 |    | 31 | 27 | 23 | 15 | 13 | 11          | 8  | 3  | 18 |
| 92 67 A A                              | *          |    |    | 15 |    |    |    |    |    | 32 |    | 35 |    | 36 |    | 36 | 31 | 27 | 18 | 15 | 13          | 10 | 8  | 21 |
| 92 72 MC U                             |            |    |    |    | 30 |    |    |    |    |    | 35 |    |    |    |    |    |    |    |    | 28 |             | 23 |    |    |
| 92 72 TC U                             |            |    |    |    |    | 34 |    |    |    |    | 36 |    |    | 30 |    |    |    |    |    | 10 |             | 25 |    |    |
| 92 72 A U                              |            |    |    |    |    |    | 34 |    |    |    |    | 36 |    |    | 30 |    |    |    |    | 10 |             | 25 |    |    |
| 93 68 U R                              |            |    | 24 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |    |    |
| 93 68 U A                              |            |    | 22 |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 36 |    |    |
| 94 42 UC *                             |            | 9  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |    |    |
| 94 42 UC A                             | 11         | 16 | 29 | 43 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 21 |    |    |
| 94 72 MC U                             |            |    |    |    | 33 |    |    |    |    | 40 |    |    | 25 |    |    |    |    |    | 13 |    | 25          |    |    |    |
| 94 72 TC U                             |            |    |    |    |    | 33 |    |    |    |    | 44 |    |    | 31 |    |    |    |    |    | 14 |             | 28 |    |    |
| 94 72 A U                              |            |    |    |    |    |    | 33 |    |    |    | 44 |    |    | 31 |    |    |    |    |    | 14 |             | 28 |    |    |
| 94 73 MC U                             |            |    |    |    |    |    | 33 |    |    |    | 42 |    |    | 25 |    |    |    |    | 13 |    | 26          |    |    |    |
| 94 73 TC U                             |            |    |    |    |    |    | 33 |    |    |    | 45 |    |    | 31 |    |    |    |    | 14 |    | 29          |    |    |    |
| 94 73 A U                              |            |    |    |    |    |    |    | 33 |    |    | 45 |    |    | 31 |    |    |    |    | 14 |    | 29          |    |    |    |
| 94 75 U R                              | 9          |    | 29 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |    |    |
| 95 25 UC R                             |            |    |    |    |    |    |    |    | 39 |    | 35 |    | 22 |    |    | 13 |    |    |    |    |             | 25 |    |    |
| 95 25 UC A                             |            |    |    |    |    |    |    |    |    | 45 |    | 38 |    | 26 |    |    | 14 |    |    |    |             | 27 |    |    |
| 95 25 A A                              |            |    |    |    |    |    |    |    |    | 45 |    | 38 |    | 26 |    |    | 14 |    |    |    |             | 27 |    |    |
| 95 26 UC R                             |            |    |    |    |    |    |    |    |    | 21 |    | 20 |    | 17 |    |    | 8  |    |    |    |             | 16 |    |    |
| 95 26 UC A                             |            |    |    |    |    |    |    |    |    | 23 |    | 25 |    | 19 |    |    | 9  |    |    |    |             | 19 |    |    |
| 95 26 A A                              |            |    |    |    |    |    |    |    |    | 23 |    | 25 |    | 19 |    |    | 9  |    |    |    |             | 19 |    |    |
| 95 73 MC U                             |            |    |    | 24 |    |    |    |    |    | 35 |    |    | 22 |    |    |    |    |    | 9  |    | 20          |    |    |    |
| 95 73 TC U                             |            |    |    |    | 24 |    |    |    |    |    | 37 |    |    | 25 |    |    |    |    | 9  |    | 22          |    |    |    |
| 95 73 A U                              |            |    |    |    |    | 24 |    |    |    |    | 37 |    |    | 25 |    |    |    |    | 9  |    | 22          |    |    |    |
| 95 81 U R                              |            |    |    |    |    | 22 |    |    |    |    | 25 |    |    | 17 |    |    |    |    |    |    |             |    |    |    |
| 95 81 U A                              |            |    |    |    |    |    | 34 |    |    |    | 36 |    |    | 23 |    |    |    |    |    |    |             | 30 |    |    |
| 97 68 U A                              |            | 25 |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 38 |    |    |
| 97 81 U R                              |            |    |    |    |    | 18 |    |    |    | 27 |    |    | 18 |    |    |    |    |    |    |    |             |    |    |    |
| 97 81 U A                              |            |    |    |    |    | 31 |    | 37 |    | 39 |    | 37 |    | 29 |    | 18 |    |    |    |    |             | 30 |    |    |

**Table 4M** (*continued from p. 26, continues on p. 30*)  
Prevalence of smoking, males

**West Germany (continued/4)**

| Year<br>Source<br>Product<br>Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |    |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|----|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75          |    |
| 98 70 U U                              |            |    |    |    |    |    |    |    | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |             |    |
|  |            |    |    |    |    |    |    |    | 24 | 29 | 34 | 39 | 44 | 49 | 54 | 59 | 64 | 69 | 74 | 79          |    |
| 98 70 U U                              |            |    |    |    |    |    |    |    | 48 | 46 | 48 | 39 | 32 |    | 18 |    | 16 |    |    | 36          |    |
| 98 75 A *                              |            | 9  |    | 22 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 98 75 A R                              |            | 14 |    | 28 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 98 84 UC R                             |            |    |    |    |    |    |    |    | 32 | 45 | 51 | 47 | 45 | 48 | 40 | 36 | 31 | 24 | 30 | 14          | 5  |
| 98 84 A R                              |            |    |    |    |    |    |    |    | 32 | 45 | 51 | 47 | 45 | 48 | 40 | 36 | 31 | 24 | 30 | 14          | 5  |
| 98 84 U U                              |            |    |    |    |    |    |    |    | 32 | 46 | 51 | 47 | 46 | 49 | 40 | 36 | 32 | 24 | 31 | 14          | 5  |
| 99 42 UC *                             |            | 14 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 99 42 UC A                             | 16         | 24 | 37 | 53 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 28 |
| 99 84 U U                              |            |    |    |    |    |    |    |    | 35 | 50 | 53 | 47 | 49 | 48 | 41 | 39 | 29 | 26 | 25 | 16          | 9  |
| 00 81 U A                              |            |    |    |    |    |    |    |    | 45 |    | *  |    |    |    |    |    |    |    |    |             | 39 |
| 01 68 U A                              |            | 26 |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 37 |
| 01 84 UC R                             |            |    |    |    |    |    |    |    | 28 | 45 | 45 | 45 | 46 | 43 | 48 | 36 | 31 | 25 | 20 | 19          | 13 |
| 01 84 A R                              |            |    |    |    |    |    |    |    | 28 | 45 | 45 | 45 | 46 | 43 | 48 | 36 | 31 | 25 | 20 | 19          | 13 |
| 01 84 U U                              |            |    |    |    |    |    |    |    | 28 | 45 | 45 | 45 | 47 | 43 | 49 | 36 | 31 | 25 | 20 | 19          | 13 |
| 02 73 MC R                             |            |    |    |    |    |    |    |    | 25 |    |    |    |    |    |    |    |    |    |    |             | 30 |
| 02 73 TC R                             |            |    |    |    |    |    |    |    | 36 |    |    |    |    |    |    |    |    |    |    |             | 35 |
| 02 73 A R                              |            |    |    |    |    |    |    |    | 36 |    |    |    |    |    |    |    |    |    |    |             | 36 |
| 02 73 MC U                             |            |    |    |    |    |    |    |    | 33 |    |    |    |    |    |    |    |    |    |    |             | 35 |
| 02 73 TC U                             |            |    |    |    |    |    |    |    | 42 |    |    |    |    |    |    |    |    |    |    |             | 40 |
| 02 73 A U                              |            |    |    |    |    |    |    |    | 45 |    |    |    |    |    |    |    |    |    |    |             | 42 |
| 02 84 UC R                             |            |    |    |    |    |    |    |    | 33 | 47 | 52 | 47 | 46 | 43 | 52 | 40 | 31 | 26 | 22 | 20          | 13 |
| 02 84 A R                              |            |    |    |    |    |    |    |    | 33 | 47 | 52 | 47 | 46 | 43 | 52 | 40 | 31 | 26 | 22 | 20          | 13 |
| 02 84 U U                              |            |    |    |    |    |    |    |    | 33 | 47 | 52 | 47 | 46 | 43 | 52 | 40 | 31 | 26 | 22 | 20          | 13 |
| 03 68 U A                              |            | 20 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 03 71 U A                              |            |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    |    |    |    |             | 38 |
| 03 81 U A                              |            |    |    |    |    |    |    |    | 41 |    |    |    |    |    |    |    |    |    |    |             |    |
| 04 68 U A                              |            | 22 |    | 44 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 04 71 U A                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    | 36 |    |    |    |    |             |    |
| 04 84 UC R                             |            |    |    |    |    |    |    |    | 28 | 45 | 45 | 49 | 38 | 44 | 45 | 42 | 32 | 26 | 19 | 18          | 11 |
| 04 84 A R                              |            |    |    |    |    |    |    |    | 28 | 45 | 45 | 49 | 38 | 44 | 45 | 42 | 32 | 26 | 19 | 18          | 11 |
| 04 84 U U                              |            |    |    |    |    |    |    |    | 28 | 45 | 45 | 49 | 39 | 44 | 45 | 42 | 32 | 26 | 19 | 18          | 11 |
| 05 68 U A                              |            | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 05 73 MC R                             |            |    |    |    |    |    |    |    | 30 |    |    |    |    |    |    |    |    |    |    |             | 27 |
| 05 73 TC R                             |            |    |    |    |    |    |    |    | 37 |    |    |    |    |    |    |    |    |    |    |             | 33 |
| 05 73 A R                              |            |    |    |    |    |    |    |    | 37 |    |    |    |    |    |    |    |    |    |    |             | 34 |
| 05 73 MC U                             |            |    |    |    |    |    |    |    | 39 |    |    |    |    |    |    |    |    |    |    |             | 31 |
| 05 73 TC U                             |            |    |    |    |    |    |    |    | 44 |    |    |    |    |    |    |    |    |    |    |             | 37 |
| 05 73 A U                              |            |    |    |    |    |    |    |    | 44 |    |    |    |    |    |    |    |    |    |    |             | 39 |
| 06 73 MC R                             |            |    |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |             | 22 |
| 06 73 TC R                             |            |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |    |             | 29 |
| 06 73 A R                              |            |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |    |             | 30 |
| 06 73 MC U                             |            |    |    |    |    |    |    |    | 28 |    |    |    |    |    |    |    |    |    |    |             | 27 |
| 06 73 TC U                             |            |    |    |    |    |    |    |    | 36 |    |    |    |    |    |    |    |    |    |    |             | 34 |
| 06 73 A U                              |            |    |    |    |    |    |    |    | 36 |    |    |    |    |    |    |    |    |    |    |             | 36 |
| 06 81 U A                              |            |    |    |    |    |    |    |    | 41 |    |    |    |    |    |    |    |    |    |    |             |    |
| 06 84 UC R                             |            |    |    |    |    |    |    |    | 36 | 48 | 41 | 46 | 38 | 41 | 40 | 47 | 28 | 24 | 17 | 16          | 15 |
| 06 84 A R                              |            |    |    |    |    |    |    |    | 36 | 48 | 41 | 46 | 38 | 41 | 40 | 47 | 28 | 24 | 17 | 16          | 15 |
| 06 84 U U                              |            |    |    |    |    |    |    |    | 36 | 48 | 41 | 46 | 38 | 41 | 40 | 47 | 29 | 24 | 17 | 16          | 15 |
| 07 68 U A                              |            | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |

**Table 4F** (*continued from p. 27, continues on p. 31*)  
Prevalence of smoking, females

**West Germany (continued/4)**

| Year<br>Source<br>Product<br>Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |    |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|----|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |             |    |
| 98 70 U U                              |            |    |    |    |    |    |    |    | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | 28          |    |
| 98 75 A *                              | 9          |    | 25 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 98 75 A R                              | 13         |    | 33 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 98 84 UC R                             |            |    |    | 28 | 36 | 36 | 37 | 39 | 33 | 30 | 30 | 30 | 18 | 14 | 11 | 6  | 7  | 5  | 25 |    |             |    |
| 98 84 A R                              |            |    |    | 28 | 36 | 36 | 37 | 39 | 33 | 30 | 30 | 30 | 18 | 14 | 11 | 6  | 7  | 5  | 25 |    |             |    |
| 98 84 U U                              |            |    |    | 28 | 36 | 36 | 37 | 39 | 34 | 30 | 30 | 30 | 18 | 15 | 11 | 6  | 7  | 5  | 25 |    |             |    |
| 99 42 UC *                             | 15         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 99 42 UC A                             | 15         | 24 | 39 | 61 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 28 |
| 99 84 U U                              |            |    |    | 33 | 40 | 39 | 35 | 43 | 33 | 35 | 27 | 20 | 18 | 11 | 7  | 5  | 5  | 26 |    |    |             |    |
| 00 81 U A                              |            |    |    |    | 40 |    |    |    | *  |    |    |    |    |    |    |    |    |    |    |    |             | 32 |
| 01 68 U A                              |            |    |    | 26 |    | 42 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 36 |
| 01 84 UC R                             |            |    |    | 31 | 35 | 34 | 35 | 38 | 38 | 37 | 29 | 24 | 18 | 10 | 11 | 7  | 4  | 26 |    |    |             |    |
| 01 84 A R                              |            |    |    | 31 | 35 | 34 | 35 | 38 | 38 | 37 | 29 | 24 | 18 | 10 | 11 | 7  | 4  | 26 |    |    |             |    |
| 01 84 U U                              |            |    |    | 32 | 35 | 34 | 35 | 38 | 39 | 37 | 30 | 24 | 18 | 10 | 11 | 7  | 4  | 26 |    |    |             |    |
| 02 73 MCR                              |            |    |    | 38 |    |    |    |    | 28 |    |    | 26 |    |    |    |    |    |    | 12 |    | 23          |    |
| 02 73 TC R                             |            |    |    | 38 |    |    |    |    | 30 |    |    | 27 |    |    |    |    |    |    | 13 |    | 24          |    |
| 02 73 A R                              |            |    |    | 38 |    |    |    |    | 30 |    |    | 27 |    |    |    |    |    |    | 13 |    | 24          |    |
| 02 73 MC U                             |            |    |    | 45 |    |    |    |    | 32 |    |    | 31 |    |    |    |    |    |    | 15 |    | 27          |    |
| 02 73 TC U                             |            |    |    | 46 |    |    |    |    | 35 |    |    | 32 |    |    |    |    |    |    | 16 |    | 28          |    |
| 02 73 A U                              |            |    |    | 46 |    |    |    |    | 35 |    |    | 32 |    |    |    |    |    |    | 16 |    | 28          |    |
| 02 84 UC R                             |            |    |    | 31 | 39 | 36 | 36 | 38 | 39 | 40 | 32 | 26 | 18 | 10 | 10 | 8  | 4  | 27 |    |    |             |    |
| 02 84 A R                              |            |    |    | 31 | 39 | 36 | 36 | 38 | 39 | 40 | 32 | 26 | 18 | 10 | 10 | 8  | 4  | 27 |    |    |             |    |
| 02 84 U U                              |            |    |    | 31 | 39 | 36 | 36 | 38 | 40 | 40 | 32 | 26 | 18 | 10 | 10 | 8  | 4  | 27 |    |    |             |    |
| 03 68 U A                              |            |    |    | 22 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 03 71 U A                              |            |    |    |    | 44 |    |    |    | 38 |    |    | 28 |    |    |    |    |    | 7  |    |    | 29          |    |
| 03 81 U A                              |            |    |    |    | 40 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 04 68 U A                              |            |    |    | 20 |    | 42 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 04 71 U A                              |            |    |    |    |    |    |    |    | 28 |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 04 84 UC R                             |            |    |    |    | 28 | 40 | 37 | 27 | 34 | 41 | 34 | 32 | 25 | 18 | 10 | 8  | 9  | 3  | 26 |    |             |    |
| 04 84 A R                              |            |    |    |    | 28 | 40 | 37 | 27 | 34 | 41 | 34 | 32 | 25 | 18 | 10 | 8  | 9  | 3  | 26 |    |             |    |
| 04 84 U U                              |            |    |    |    | 28 | 40 | 37 | 27 | 34 | 41 | 35 | 32 | 26 | 18 | 11 | 8  | 10 | 4  | 26 |    |             |    |
| 05 68 U A                              |            |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 05 73 MCR                              |            |    |    |    | 27 |    |    |    | 17 |    |    | 16 |    |    |    |    |    | 9  |    |    | 15          |    |
| 05 73 TC R                             |            |    |    |    | 31 |    |    |    | 26 |    |    | 19 |    |    |    |    |    | 12 |    |    | 19          |    |
| 05 73 A R                              |            |    |    |    | 31 |    |    |    | 26 |    |    | 20 |    |    |    |    |    | 12 |    |    | 20          |    |
| 05 73 MC U                             |            |    |    |    | 28 |    |    |    | 23 |    |    | 19 |    |    |    |    |    | 9  |    |    | 17          |    |
| 05 73 TC U                             |            |    |    |    | 33 |    |    |    | 32 |    |    | 22 |    |    |    |    |    | 12 |    |    | 22          |    |
| 05 73 A U                              |            |    |    |    | 33 |    |    |    | 32 |    |    | 23 |    |    |    |    |    | 12 |    |    | 22          |    |
| 06 73 MCR                              |            |    |    |    | 31 |    |    |    | 30 |    |    | 24 |    |    |    |    |    | 9  |    |    | 20          |    |
| 06 73 TC R                             |            |    |    |    | 34 |    |    |    | 33 |    |    | 26 |    |    |    |    |    | 10 |    |    | 22          |    |
| 06 73 A R                              |            |    |    |    | 34 |    |    |    | 33 |    |    | 26 |    |    |    |    |    | 10 |    |    | 22          |    |
| 06 73 MC U                             |            |    |    |    | 33 |    |    |    | 36 |    |    | 27 |    |    |    |    |    | 10 |    |    | 23          |    |
| 06 73 TC U                             |            |    |    |    | 36 |    |    |    | 38 |    |    | 30 |    |    |    |    |    | 10 |    |    | 25          |    |
| 06 73 A U                              |            |    |    |    | 36 |    |    |    | 38 |    |    | 29 |    |    |    |    |    | 10 |    |    | 25          |    |
| 06 81 U A                              |            |    |    |    |    | 38 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 06 84 UC R                             |            |    |    |    | 34 | 40 | 34 | 30 | 35 | 41 | 36 | 34 | 25 | 19 | 15 | 9  | 6  | 5  | 27 |    |             |    |
| 06 84 A R                              |            |    |    |    | 34 | 40 | 34 | 30 | 35 | 41 | 36 | 34 | 25 | 19 | 15 | 9  | 6  | 5  | 27 |    |             |    |
| 06 84 U U                              |            |    |    |    | 35 | 40 | 34 | 30 | 35 | 41 | 36 | 34 | 25 | 19 | 15 | 9  | 7  | 6  | 28 |    |             |    |
| 07 68 U A                              |            |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |

**Table 4M** (*continued from p. 28, continues on p. 32*)  
Prevalence of smoking, males

**West Germany (continued/5)**

| Year<br>Source<br>Product<br>Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |             |
| 08 68 U A                              | 14         |    |    |    |    |    |    |    | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |             |
| 08 84 UC R                             |            |    | 25 | 43 | 42 | 46 | 38 | 34 | 35 | 41 | 35 | 21 | 16 | 12 | 10 | 8  | 31 |    |    |    |             |
| 08 84 A R                              |            |    | 25 | 44 | 43 | 47 | 39 | 35 | 36 | 43 | 38 | 24 | 18 | 14 | 11 | 10 | 32 |    |    |    |             |
| 08 84 U U                              |            |    | 25 | 44 | 43 | 47 | 39 | 35 | 37 | 44 | 38 | 24 | 19 | 14 | 11 | 11 | 32 |    |    |    |             |
| 09 73 MC R                             |            | 20 |    |    | 22 |    |    |    | 21 |    |    |    |    |    |    | 9  |    |    |    |    | 17          |
| 09 73 TC R                             |            | 25 |    |    | 38 |    |    |    | 33 |    |    |    |    |    |    | 13 |    |    |    |    | 26          |
| 09 73 MC A                             |            | 25 |    |    | 38 |    |    |    | 29 |    |    |    |    |    |    | 12 |    |    |    |    | 25          |
| 09 73 TC A                             |            | 25 |    |    | 42 |    |    |    | 34 |    |    |    |    |    |    | 13 |    |    |    |    | 27          |
| 09 73 A A                              |            | 30 |    |    | 43 |    |    |    | 38 |    |    |    |    |    |    | 15 |    |    |    |    | 30          |
| 09 78 U A                              |            |    | 42 |    |    | 41 |    |    |    | 34 |    |    |    |    |    | 14 |    |    |    |    | 33          |
| 10 78 U A                              |            |    | 40 |    |    | 45 |    |    |    | 34 |    |    |    |    |    | 14 |    |    |    |    | 34          |
| 10 84 UC R                             |            | 20 | 35 | 41 | 40 | 42 | 37 | 38 | 38 | 33 | 27 | 17 | 11 | 11 | 7  | 29 |    |    |    |    |             |
| 10 84 A R                              |            | 20 | 35 | 41 | 40 | 42 | 38 | 40 | 39 | 35 | 29 | 20 | 12 | 13 | 8  | 31 |    |    |    |    |             |
| 10 84 U U                              |            | 20 | 35 | 41 | 40 | 42 | 38 | 40 | 39 | 35 | 29 | 20 | 12 | 13 | 8  | 31 |    |    |    |    |             |
| 12 73 MC R                             |            | 30 |    |    | 31 |    |    |    | 36 |    |    |    |    |    |    | 11 |    |    |    |    | 25          |
| 12 73 TC R                             |            | 36 |    |    | 36 |    |    |    | 39 |    |    |    |    |    |    | 12 |    |    |    |    | 29          |
| 12 73 A R                              |            | 36 |    |    | 36 |    |    |    | 39 |    |    |    |    |    |    | 13 |    |    |    |    | 29          |
| 12 73 MC A                             |            | 33 |    |    | 35 |    |    |    | 39 |    |    |    |    |    |    | 11 |    |    |    |    | 27          |
| 12 73 TC A                             |            | 36 |    |    | 38 |    |    |    | 41 |    |    |    |    |    |    | 12 |    |    |    |    | 30          |
| 12 73 A A                              |            | 38 |    |    | 38 |    |    |    | 42 |    |    |    |    |    |    | 14 |    |    |    |    | 31          |
| 12 78 U A                              |            |    | 37 |    |    | 39 |    |    |    | 33 |    |    |    |    |    | 15 |    |    |    |    | 31          |
| 12 84 UC R                             |            | 18 | 36 | 38 | 37 | 40 | 37 | 38 | 36 | 33 | 25 | 20 | 12 | 8  | 9  | 29 |    |    |    |    |             |
| 12 84 A R                              |            | 18 | 36 | 38 | 38 | 41 | 39 | 39 | 38 | 35 | 28 | 22 | 14 | 9  | 10 | 30 |    |    |    |    |             |
| 12 84 U U                              |            | 18 | 36 | 38 | 38 | 41 | 39 | 39 | 38 | 35 | 28 | 22 | 14 | 9  | 10 | 30 |    |    |    |    |             |
| 14 84 UC R                             |            | 24 | 32 | 37 | 37 | 33 | 36 | 32 | 35 | 35 | 29 | 20 | 10 | 7  | 5  | 28 |    |    |    |    |             |
| 14 84 A R                              |            | 24 | 33 | 38 | 38 | 34 | 37 | 33 | 36 | 37 | 31 | 23 | 12 | 8  | 6  | 29 |    |    |    |    |             |
| 14 84 U U                              |            | 25 | 33 | 38 | 38 | 34 | 37 | 33 | 37 | 37 | 32 | 23 | 12 | 9  | 7  | 29 |    |    |    |    |             |

**Table 4F** (*continued from p. 29, continues on p. 33*)  
Prevalence of smoking, females

**West Germany** (*continued/5*)

| Year<br>Source<br>Product<br>Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |             |
| 08 68 U A                              | 15         |    |    |    |    |    |    |    | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |             |
| 08 84 UC R                             |            |    | 20 | 33 | 34 | 28 | 26 | 37 | 33 | 32 | 27 | 19 | 16 | 9  | 6  | 4  | 25 |    |    |    |             |
| 08 84 A R                              |            |    | 20 | 34 | 34 | 28 | 26 | 37 | 33 | 32 | 27 | 20 | 16 | 10 | 6  | 4  | 25 |    |    |    |             |
| 08 84 U U                              |            |    | 20 | 35 | 34 | 28 | 26 | 37 | 33 | 32 | 28 | 20 | 16 | 10 | 7  | 4  | 25 |    |    |    |             |
| 09 73 MCR                              |            | 18 |    |    |    | 28 |    |    | 19 |    |    |    |    |    |    | 7  |    |    |    |    | 16          |
| 09 73 TC R                             |            | 21 |    |    |    | 28 |    |    | 22 |    |    |    |    |    |    | 9  |    |    |    |    | 18          |
| 09 73 MCA                              |            | 21 |    |    |    | 29 |    |    | 22 |    |    |    |    |    |    | 9  |    |    |    |    | 18          |
| 09 73 TC A                             |            | 21 |    |    |    | 29 |    |    | 23 |    |    |    |    |    |    | 9  |    |    |    |    | 19          |
| 09 73 AA                               |            | 23 |    |    |    | 29 |    |    | 23 |    |    |    |    |    |    | 10 |    |    |    |    | 19          |
| 09 78 U A                              |            | 36 |    |    |    | 34 |    |    | 29 |    |    |    |    |    |    | 9  |    |    |    |    | 26          |
| 10 78 U A                              |            | 36 |    |    |    | 35 |    |    | 30 |    |    |    |    |    |    | 10 |    |    |    |    | 26          |
| 10 84 UC R                             |            | 17 |    | 26 | 35 | 30 | 22 | 32 | 39 | 31 | 28 | 22 | 13 | 12 | 6  | 5  | 24 |    |    |    |             |
| 10 84 A R                              |            | 17 |    | 26 | 35 | 30 | 22 | 32 | 39 | 31 | 29 | 22 | 14 | 12 | 6  | 5  | 24 |    |    |    |             |
| 10 84 U U                              |            | 17 |    | 27 | 35 | 30 | 22 | 32 | 39 | 32 | 29 | 22 | 14 | 13 | 6  | 5  | 24 |    |    |    |             |
| 12 73 MCR                              |            | 6  |    |    |    | 17 |    |    | 25 |    |    |    |    |    |    | 11 |    |    |    |    | 15          |
| 12 73 TC R                             |            | 13 |    |    |    | 19 |    |    | 29 |    |    |    |    |    |    | 12 |    |    |    |    | 18          |
| 12 73 A R                              |            | 13 |    |    |    | 19 |    |    | 29 |    |    |    |    |    |    | 12 |    |    |    |    | 18          |
| 12 73 MCA                              |            | 6  |    |    |    | 22 |    |    | 27 |    |    |    |    |    |    | 11 |    |    |    |    | 17          |
| 12 73 TC A                             |            | 13 |    |    |    | 23 |    |    | 31 |    |    |    |    |    |    | 12 |    |    |    |    | 20          |
| 12 73 AA                               |            | 15 |    |    |    | 25 |    |    | 34 |    |    |    |    |    |    | 13 |    |    |    |    | 21          |
| 12 78 U A                              |            | 31 |    |    |    | 31 |    |    | 28 |    |    |    |    |    |    | 10 |    |    |    |    | 24          |
| 12 84 UC R                             |            | 16 |    | 26 | 30 | 29 | 27 | 29 | 36 | 32 | 30 | 23 | 17 | 13 | 9  | 4  | 24 |    |    |    |             |
| 12 84 A R                              |            | 16 |    | 26 | 30 | 29 | 27 | 29 | 36 | 33 | 30 | 23 | 17 | 14 | 9  | 4  | 24 |    |    |    |             |
| 12 84 U U                              |            | 16 |    | 26 | 30 | 30 | 27 | 29 | 37 | 33 | 31 | 24 | 17 | 14 | 9  | 4  | 24 |    |    |    |             |
| 14 84 UC R                             |            | 13 |    | 22 | 24 | 27 | 26 | 26 | 31 | 30 | 31 | 26 | 18 | 13 | 8  | 3  | 23 |    |    |    |             |
| 14 84 A R                              |            | 13 |    | 22 | 24 | 27 | 26 | 26 | 31 | 31 | 31 | 26 | 18 | 14 | 8  | 3  | 23 |    |    |    |             |
| 14 84 U U                              |            | 13 |    | 23 | 24 | 28 | 26 | 26 | 32 | 31 | 32 | 26 | 18 | 14 | 8  | 4  | 23 |    |    |    |             |

**Table 4M** (*continued from p. 30, continues on p. 34*)  
Prevalence of smoking, males

**East Germany**

| Year | Source | Product | Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All ages |    |    |     |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|----|-----|
|      |        |         |           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65       | 70 | 75 | 80+ |
| 60   | 43     | UC R    |           |            |    |    |    |    |    |    |    | 53 | 49 | 42 | 36 |    |    |    |    |    |          |    | 46 |     |
| 69   | 44     | UC *    |           | 36         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 69   | 44     | UC R    |           | 47         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 69   | 44     | A U     |           | 48         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 70   | 45     | A *     |           | 10         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 70   | 45     | A A     |           | 38         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 70   | 65     | U U     |           | 15         | 15 | 39 | 26 | 61 | 57 | 54 |    | 56 | 53 | 51 | 44 |    |    |    |    |    |          |    | 51 |     |
| 71   | 43     | UC R    |           |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 71   | 45     | A *     |           | 17         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 71   | 45     | A A     |           | 40         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 71   | 46     | U U     |           |            | 58 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 71   | 47     | UC U    |           |            | 56 | 58 | 53 | 58 | 52 |    |    |    |    |    |    |    |    |    |    |    |          |    | 51 |     |
| 71   | 47     | A U     |           |            | 58 | 63 | 60 | 65 | 68 |    |    |    |    |    |    |    |    |    |    |    |          |    | 62 |     |
| 71   | 48*    | UC U    |           |            |    |    |    |    |    |    |    | 60 | 57 | 55 | 55 | 49 | 43 |    |    |    |          |    |    | 53  |
| 71   | 48     | A U     |           |            |    |    |    |    |    |    |    | 64 | 66 | 63 | 63 | 64 | 61 |    |    |    |          |    |    | 63  |
| 72   | 45     | A *     |           | 38         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 72   | 45     | A A     |           | 54         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 73   | 48*    | UC U    |           |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 73   | 48     | A U     |           |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 73   | 49     | UC U    |           |            |    |    |    |    |    |    |    |    | 48 |    |    |    |    |    |    |    |          |    |    |     |
| 73   | 49     | A U     |           |            |    |    |    |    |    |    |    |    | 58 |    |    |    |    |    |    |    |          |    |    |     |
| 75   | 45     | A *     |           |            | 56 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 75   | 45     | UC A    |           |            | 62 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 75   | 45     | A A     |           |            | 65 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 75   | 50     | U U     |           |            | 55 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 76   | 51     | UC *    | 0         | 2          | 4  | 22 | 30 |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    | 49 |     |
| 77   | 43     | UC R    |           |            |    |    |    |    |    |    |    | 54 | 47 | 49 | 45 |    |    |    |    |    |          |    |    |     |
| 77   | 52     | U *     | 2         | 2          | 22 | 39 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 77   | 52     | U R     | 7         | 11         | 35 | 48 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 77   | 52     | U A     | 12        | 22         | 43 | 56 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 81   | 45     | A *     |           | 12         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 81   | 45     | A A     |           | 31         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 81   | 62     | UC *    |           | 21         | 42 | *  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    | 31 |     |
| 81   | 62     | UC A    |           |            | 43 | 60 | *  |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    | 50 |     |
| 82   | 45     | A *     |           | 25         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 82   | 45     | A A     |           | 47         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 82   | 55     | U U     | 18        | 27         | 37 | 51 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 83   | 45     | A *     |           |            | 40 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 83   | 45     | A A     |           |            | 53 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 83   | 46     | U U     |           |            | 55 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 83   | 54     | UC *    | 2         |            | 41 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 83   | 54     | UC A    | 15        |            | 62 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 83   | 56     | U *     | 1         | 8          | 19 | 27 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 83   | 56     | U R     | 4         | 13         | 26 | 33 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 83   | 56     | U A     | 16        | 24         | 37 | 40 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |    |     |
| 83   | 57     | UC A    |           |            |    |    |    |    |    |    |    | 59 | 37 | 37 | 39 |    |    |    |    |    |          |    | 38 |     |
| 83   | 61     | UC A    |           |            |    |    |    |    |    |    |    | 55 | 44 | 32 | 28 |    |    |    |    |    |          |    | 36 |     |

**Table 4F** (continued from p. 31, continues on p. 35)  
Prevalence of smoking, females

**East Germany**

| Year<br>Source<br>Product<br>Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |  |  |    |    |    |    |  |  |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|--|--|----|----|----|----|--|--|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |             |  |  |    |    |    |    |  |  |
| 60 43 UC R                             |            |    |    |    |    |    |    |    |    |    | 11 | 11 | 8  | 5  |    |    |    |    |    |    |             |  |  |    | 9  |    |    |  |  |
| 69 44 UC *                             | 3          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 69 44 UC R                             | 7          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 69 44 A U                              | 7          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 70 45 A *                              | 3          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 70 45 A A                              | 13         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 70 65 U U                              | 0          | 7  | 9  | 8  | 21 | 6  | 14 |    |    |    |    |    |    |    |    |    |    | 27 | 25 | 23 | 16          |  |  | 23 |    |    |    |  |  |
| 71 43 UC R                             |            |    |    |    |    |    |    |    |    |    | 27 | 25 | 23 | 16 |    |    |    |    |    |    |             |  |  |    | 23 |    |    |  |  |
| 71 45 A *                              | 3          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 71 45 A A                              | 17         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 71 46 U U                              | 32         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 71 47 UC U                             |            |    |    |    |    |    |    |    |    |    | 28 |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 71 47 A U                              | 32         |    |    |    |    |    |    |    |    |    | 34 | 32 | 35 | 32 |    |    |    |    |    |    |             |  |  |    | 28 |    |    |  |  |
| 71 48* UC U                            |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 71 48 A U                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 72 45 A *                              | 7          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 72 45 A A                              | 27         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 73 48* UC U                            |            |    |    |    |    |    |    |    |    |    | 22 | 30 | 32 | 24 | 23 | 15 |    |    |    |    |             |  |  |    |    |    | 24 |  |  |
| 73 48 A U                              |            |    |    |    |    |    |    |    |    |    | 22 | 30 | 32 | 24 | 23 | 15 |    |    |    |    |             |  |  |    |    |    | 24 |  |  |
| 73 49 UC U                             |            |    |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 73 49 A U                              |            |    |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 75 45 A *                              | 31         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 75 45 UC A                             | 47         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 75 45 A A                              | 47         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 75 50 U U                              | 36         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 76 51 UC *                             | 0          | 3  | 2  | 11 | 20 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    | 23 |    |  |  |
| 77 43 UC R                             |            |    |    |    |    |    |    |    |    |    | 28 | 24 | 22 | 17 |    |    |    |    |    |    |             |  |  |    | 23 |    |    |  |  |
| 77 52 U *                              | 1          | 2  | 11 | 24 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 77 52 U R                              | 3          | 6  | 18 | 30 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 77 52 U A                              | 6          | 16 | 31 | 38 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 81 45 A *                              | 9          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 81 45 A A                              | 26         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 81 62 UC *                             | 10         |    |    |    |    |    |    |    |    |    | *  |    |    |    |    |    |    |    |    |    |             |  |  | 13 |    |    |    |  |  |
| 81 62 UC A                             | 29         |    |    |    |    |    |    |    |    |    | 43 | *  |    |    |    |    |    |    |    |    |             |  |  |    | 34 |    |    |  |  |
| 82 45 A *                              | 20         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 82 45 A A                              | 40         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 82 55 U U                              | 7          | 6  | 30 | 33 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 83 45 A *                              | 34         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 83 45 A A                              | 50         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 83 46 U U                              | 39         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 83 54 UC *                             | 1          | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 83 54 UC A                             | 6          | 51 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 83 56 U *                              | 2          | 6  | 6  | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 83 56 U R                              | 4          | 10 | 15 | 31 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 83 56 U A                              | 7          | 14 | 28 | 48 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |
| 83 57 UC A                             |            |    |    |    |    |    |    |    |    |    | 31 | 17 | 23 | 17 |    |    |    |    |    |    |             |  |  |    |    |    |    |  |  |

**Table 4M** (*continued from p. 32, continues on p. 36*)  
Prevalence of smoking, males

**East Germany (continued)**

| Year | Source | Product | Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All ages |    |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|
|      |        |         |           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75       |    |
| 84   | 43     | UC R    |           |            |    |    |    |    |    |    |    | 52 |    | 42 |    | 35 |    | 30 |    |    |    |    |          | 40 |
| 84   | 59     | UC R    |           |            |    |    |    |    |    |    |    | 58 |    | 44 |    | 39 |    | 28 |    |    |    |    |          | 38 |
| 84   | 59     | UC A    |           |            |    |    |    |    |    |    |    | 61 |    | 47 |    | 42 |    | 32 |    |    |    |    |          | 41 |
| 84   | 59     | A A     |           |            |    |    |    |    |    |    |    | 62 |    | 51 |    | 44 |    | 37 |    |    |    |    |          | 45 |
| 84   | 60     | UC A    |           |            |    |    |    |    |    |    |    | 54 |    | 40 |    | 37 |    | 35 |    |    |    |    |          | 37 |
| 85   | 58     | UC R    |           |            |    |    |    |    |    |    |    | 39 |    | 36 |    | 27 |    | 27 |    |    |    |    |          | 31 |
| 85   | 58     | UC A    |           |            |    |    |    |    |    |    |    | 43 |    | 37 |    | 32 |    | 31 |    |    |    |    |          | 33 |
| 85   | 58     | A A     |           |            |    |    |    |    |    |    |    | 44 |    | 41 |    | 37 |    | 39 |    |    |    |    |          | 39 |
| 86   | 63     | UC R    |           | 12         | 36 | 44 | 50 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |
| 86   | 63     | UC A    |           | 16         | 42 | 50 | 55 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |
| 88   | 43     | UC R    |           |            |    |    |    |    |    |    |    | 52 |    | 36 |    | 33 |    | 29 |    |    |    |    |          | 38 |
| 88   | 57     | UC R    |           |            |    |    |    |    |    |    |    | 56 |    | 38 |    | 33 |    | 33 |    |    |    |    |          | 35 |
| 88   | 57     | UC A    |           |            |    |    |    |    |    |    |    | 62 |    | 43 |    | 36 |    | 34 |    |    |    |    |          | 38 |
| 88   | 57     | A A     |           |            |    |    |    |    |    |    |    | 62 |    | 45 |    | 39 |    | 38 |    |    |    |    |          | 41 |
| 88   | 60     | UC R    |           |            |    |    |    |    |    |    |    | 52 |    | 39 |    | 28 |    | 31 |    |    |    |    |          | 33 |
| 88   | 60     | UC A    |           |            |    |    |    |    |    |    |    | 60 |    | 43 |    | 31 |    | 34 |    |    |    |    |          | 36 |
| 88   | 60     | A A     |           |            |    |    |    |    |    |    |    | 60 |    | 44 |    | 32 |    | 37 |    |    |    |    |          | 38 |
| 88   | 64     | U R     |           |            | 42 |    | 60 |    |    |    |    | 51 |    | 48 |    | 36 |    | 41 |    | 24 |    |    |          |    |
| 89   | 58     | UC R    |           |            |    |    |    |    |    |    |    | 44 |    | 28 |    | 32 |    | 27 |    |    |    |    |          | 29 |
| 89   | 58     | UC A    |           |            |    |    |    |    |    |    |    | 51 |    | 30 |    | 33 |    | 31 |    |    |    |    |          | 31 |
| 89   | 58     | A A     |           |            |    |    |    |    |    |    |    | 51 |    | 31 |    | 34 |    | 31 |    |    |    |    |          | 32 |
| 89   | 59     | UC R    |           |            |    |    |    |    |    |    |    | 53 |    | 40 |    | 32 |    | 27 |    |    |    |    |          | 34 |
| 89   | 59     | UC A    |           |            |    |    |    |    |    |    |    | 58 |    | 42 |    | 34 |    | 30 |    |    |    |    |          | 36 |
| 89   | 59     | A A     |           |            |    |    |    |    |    |    |    | 59 |    | 42 |    | 35 |    | 31 |    |    |    |    |          | 37 |
| 90   | 72     | MC U    |           |            |    | 56 |    |    |    |    |    | 60 |    | 32 |    |    |    |    | 29 |    |    |    |          | 45 |
| 90   | 72     | TC U    |           |            |    | 59 |    |    |    |    |    | 61 |    | 32 |    |    |    |    | 30 |    |    |    |          | 46 |
| 90   | 72     | A U     |           |            |    | 59 |    |    |    |    |    | 64 |    | 33 |    |    |    |    | 35 |    |    |    |          | 48 |
| 90   | 81     | U R     |           |            |    | 41 |    |    |    |    |    | 50 |    |    |    |    |    |    |    |    |    |    |          |    |
| 90   | 81     | U A     |           |            |    | 50 |    |    |    |    |    | 56 |    |    |    |    |    |    |    |    |    |    |          |    |
| 91   | 43     | UC R    |           |            |    |    |    |    |    |    |    | 53 |    | 45 |    | 32 |    | 23 |    |    |    |    |          | 39 |
| 91   | 66     | U U     |           |            |    |    |    |    |    |    |    | 53 |    | 52 |    | 38 |    | 33 |    | 22 |    |    |          | 41 |
| 91   | 72     | MC U    |           |            |    | 38 |    |    |    |    |    | 51 |    |    |    | 38 |    |    |    | 26 |    |    |          | 39 |
| 91   | 72     | TC U    |           |            |    | 41 |    |    |    |    |    | 51 |    |    |    | 39 |    |    |    | 26 |    |    |          | 40 |
| 91   | 72     | A U     |           |            |    | 41 |    |    |    |    |    | 53 |    |    |    | 40 |    |    |    | 30 |    |    |          | 42 |
| 92   | 67     | UC R    | *         |            |    | 18 |    | 41 |    |    |    | 47 |    | 48 |    | 42 |    | 38 |    | 35 |    | 29 |          | 31 |
| 92   | 67     | A R     | *         |            |    | 19 |    | 42 |    |    |    | 48 |    | 48 |    | 43 |    | 39 |    | 36 |    | 31 |          | 33 |
| 92   | 67     | A A     | *         |            |    | 25 |    | 48 |    |    |    | 54 |    | 54 |    | 47 |    | 43 |    | 40 |    | 35 |          | 37 |
| 92   | 72     | MC U    |           |            |    | 33 |    |    |    |    |    | 44 |    |    |    | 34 |    |    |    |    | 21 |    |          | 34 |
| 92   | 72     | TC U    |           |            |    | 36 |    |    |    |    |    | 46 |    |    |    | 35 |    |    |    |    | 23 |    |          | 36 |
| 92   | 72     | A U     |           |            |    | 36 |    |    |    |    |    | 46 |    |    |    | 36 |    |    |    |    | 30 |    |          | 38 |
| 92   | 81     | U R     |           |            |    | 42 |    |    |    |    |    | 49 |    |    |    |    |    |    |    |    |    |    |          |    |
| 92   | 81     | U A     |           |            |    | 48 |    |    |    |    |    | 55 |    |    |    |    |    |    |    |    |    |    |          |    |
| 93   | 57     | UC R    |           |            |    |    |    |    |    |    |    | 45 |    | 42 |    | 27 |    | 22 |    |    |    |    |          | 32 |
| 93   | 57     | UC A    |           |            |    |    |    |    |    |    |    | 50 |    | 46 |    | 31 |    | 25 |    |    |    |    |          | 35 |
| 93   | 57     | A A     |           |            |    |    |    |    |    |    |    | 50 |    | 46 |    | 30 |    | 26 |    |    |    |    |          | 35 |
| 93   | 68     | U R     |           |            |    | 28 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |
| 93   | 68     | U A     |           |            |    | 24 |    | 48 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 38 |

**Table 4F** (*continued from p. 33, continues on p. 37*)  
Prevalence of smoking, females

**East Germany (continued)**

| Year<br>Source<br>Product<br>Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |  |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|--|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80+         |  |
| 84 43 UC R                             |            |    |    |    |    |    |    |    | 29 | 20 | 15 | 12 |    |    |    |    |    |    |    |    | 20          |  |
| 84 59 UC R                             |            |    |    |    |    |    |    |    | 36 | 16 | 14 | 9  |    |    |    |    |    |    |    |    | 13          |  |
| 84 59 UC A                             |            |    |    |    |    |    |    |    | 42 | 20 | 17 | 12 |    |    |    |    |    |    |    |    | 17          |  |
| 84 59 A A                              |            |    |    |    |    |    |    |    | 42 | 20 | 17 | 11 |    |    |    |    |    |    |    |    | 17          |  |
| 84 60 UC A                             |            |    |    |    |    |    |    |    | 23 | 14 | 17 | 14 |    |    |    |    |    |    |    |    | 15          |  |
| 85 58 UC R                             |            |    |    |    |    |    |    |    | 27 | 13 | 11 | 8  |    |    |    |    |    |    |    |    | 11          |  |
| 85 58 UC A                             |            |    |    |    |    |    |    |    | 34 | 16 | 13 | 9  |    |    |    |    |    |    |    |    | 13          |  |
| 85 58 A A                              |            |    |    |    |    |    |    |    | 34 | 17 | 13 | 10 |    |    |    |    |    |    |    |    | 14          |  |
| 86 63 UC R                             | 7          | 21 | 42 | 48 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |
| 86 63 UC A                             | 11         | 28 | 48 | 56 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |
| 88 43 UC R                             |            |    |    |    |    |    |    |    | 31 | 21 | 12 | 12 |    |    |    |    |    |    |    |    | 19          |  |
| 88 57 UC R                             |            |    |    |    |    |    |    |    | 32 | 22 | 12 | 11 |    |    |    |    |    |    |    |    | 16          |  |
| 88 57 UC A                             |            |    |    |    |    |    |    |    | 40 | 26 | 16 | 14 |    |    |    |    |    |    |    |    | 19          |  |
| 88 57 A A                              |            |    |    |    |    |    |    |    | 40 | 26 | 16 | 14 |    |    |    |    |    |    |    |    | 19          |  |
| 88 60 UC R                             |            |    |    |    |    |    |    |    | 26 | 13 | 8  | 7  |    |    |    |    |    |    |    |    | 10          |  |
| 88 60 UC A                             |            |    |    |    |    |    |    |    | 33 | 15 | 12 | 9  |    |    |    |    |    |    |    |    | 12          |  |
| 88 60 A A                              |            |    |    |    |    |    |    |    | 33 | 15 | 12 | 9  |    |    |    |    |    |    |    |    | 12          |  |
| 88 64 U R                              |            | 20 | 35 |    |    |    |    |    | 34 | 23 | 20 | 14 |    |    |    |    |    |    |    | 9  |             |  |
| 89 58 UC R                             |            |    |    |    |    |    |    |    | 27 | 15 | 9  | 11 |    |    |    |    |    |    |    |    | 12          |  |
| 89 58 UC A                             |            |    |    |    |    |    |    |    | 33 | 19 | 10 | 12 |    |    |    |    |    |    |    |    | 14          |  |
| 89 58 A A                              |            |    |    |    |    |    |    |    | 34 | 19 | 10 | 12 |    |    |    |    |    |    |    |    | 14          |  |
| 89 59 UC R                             |            |    |    |    |    |    |    |    | 35 | 21 | 12 | 12 |    |    |    |    |    |    |    |    | 16          |  |
| 89 59 UC A                             |            |    |    |    |    |    |    |    | 45 | 28 | 14 | 12 |    |    |    |    |    |    |    |    | 19          |  |
| 89 59 A A                              |            |    |    |    |    |    |    |    | 45 | 28 | 14 | 12 |    |    |    |    |    |    |    |    | 19          |  |
| 90 72 MC U                             |            | 37 |    |    |    |    |    |    | 33 | 20 |    |    |    |    |    |    |    |    |    | 7  | 22          |  |
| 90 72 TC U                             |            | 38 |    |    |    |    |    |    | 34 | 20 |    |    |    |    |    |    |    |    |    | 9  | 23          |  |
| 90 72 A U                              |            | 38 |    |    |    |    |    |    | 34 | 20 |    |    |    |    |    |    |    |    |    | 9  | 23          |  |
| 90 81 U R                              |            |    | 32 |    |    |    |    |    | 31 |    |    |    |    |    |    |    |    |    |    |    |             |  |
| 90 81 U A                              |            |    | 43 |    |    |    |    |    | 44 |    |    |    |    |    |    |    |    |    |    |    |             |  |
| 91 43 UC R                             |            |    |    |    |    |    |    |    | 39 | 24 | 12 | 12 |    |    |    |    |    |    |    |    | 22          |  |
| 91 66 U U                              |            |    |    |    |    |    |    |    | 38 | 34 | 14 | 11 | 10 |    |    |    |    |    |    |    | 21          |  |
| 91 72 MC U                             |            |    | 30 |    |    |    |    |    | 46 | 27 |    |    |    |    |    |    |    |    |    | 10 | 27          |  |
| 91 72 TC U                             |            |    | 30 |    |    |    |    |    | 46 | 28 |    |    |    |    |    |    |    |    |    | 10 | 27          |  |
| 91 72 A U                              |            |    | 30 |    |    |    |    |    | 46 | 28 |    |    |    |    |    |    |    |    |    | 12 | 27          |  |
| 92 67 UC R                             | *          | 10 | 27 | 29 | 29 | 24 | 19 | 12 | 11 | 9  | 9  | 6  | 5  | 2  |    |    |    |    |    |    | 14          |  |
| 92 67 A R                              | *          | 10 | 27 | 29 | 29 | 24 | 20 | 12 | 11 | 9  | 9  | 6  | 5  | 2  |    |    |    |    |    |    | 15          |  |
| 92 67 A A                              | *          | 14 | 34 | 37 | 37 | 30 | 24 | 15 | 13 | 12 | 12 | 9  | 7  | 3  |    |    |    |    |    |    | 19          |  |
| 92 72 MC U                             |            |    | 27 |    |    |    |    |    | 24 |    | 24 |    |    |    |    |    |    |    |    | 8  | 19          |  |
| 92 72 TC U                             |            |    | 27 |    |    |    |    |    | 25 |    | 26 |    |    |    |    |    |    |    |    | 8  | 20          |  |
| 92 72 A U                              |            |    | 27 |    |    |    |    |    | 26 |    | 26 |    |    |    |    |    |    |    |    | 8  | 20          |  |
| 92 81 U R                              |            |    | 36 |    |    |    |    |    | 33 |    |    |    |    |    |    |    |    |    |    |    |             |  |
| 92 81 U A                              |            |    | 38 |    |    |    |    |    | 38 |    |    |    |    |    |    |    |    |    |    |    |             |  |
| 93 57 UC R                             |            |    |    |    |    |    |    |    | 32 | 25 | 14 | 8  |    |    |    |    |    |    |    |    | 17          |  |
| 93 57 UC A                             |            |    |    |    |    |    |    |    | 35 | 29 | 15 | 10 |    |    |    |    |    |    |    |    | 19          |  |
| 93 57 A A                              |            |    |    |    |    |    |    |    | 35 | 29 | 15 | 10 |    |    |    |    |    |    |    |    | 19          |  |
| 93 68 U R                              |            | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |
| 93 68 U A                              |            | 16 | 37 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 27          |  |

**Table 4M** (continued from p. 34, continues on p. 38)  
Prevalence of smoking, males

**East Germany (continued/2)**

| Year<br>Source<br>Product<br>Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80+         |
| 94 72 MC U                             | 55         |    |    |    | 54 |    |    |    | 40 |    |    |    | 27 |    |    |    | 44 |    |    |    |             |
| 94 72 TC U                             | 57         |    |    |    | 55 |    |    |    | 41 |    |    |    | 30 |    |    |    | 45 |    |    |    |             |
| 94 72 A U                              | 57         |    |    |    | 56 |    |    |    | 43 |    |    |    | 35 |    |    |    | 47 |    |    |    |             |
| 94 73 MC U                             | 55         |    |    |    | 54 |    |    |    | 40 |    |    |    | 27 |    |    |    | 44 |    |    |    |             |
| 94 73 TC U                             | 57         |    |    |    | 55 |    |    |    | 41 |    |    |    | 30 |    |    |    | 45 |    |    |    |             |
| 94 73 A U                              | 57         |    |    |    | 56 |    |    |    | 43 |    |    |    | 35 |    |    |    | 47 |    |    |    |             |
| 95 73 MC U                             | 38         |    |    |    | 47 |    |    |    | 41 |    |    |    | 24 |    |    |    | 38 |    |    |    |             |
| 95 73 TC U                             | 38         |    |    |    | 47 |    |    |    | 41 |    |    |    | 26 |    |    |    | 39 |    |    |    |             |
| 95 73 A U                              | 40         |    |    |    | 49 |    |    |    | 44 |    |    |    | 30 |    |    |    | 41 |    |    |    |             |
| 95 81 U R                              | 40         |    |    |    | 41 |    |    |    | 30 |    |    |    |    |    |    |    |    |    |    |    |             |
| 95 81 U A                              | 52         |    |    |    | 50 |    |    |    | 38 |    |    |    |    |    |    |    | 45 |    |    |    |             |
| 97 68 U A                              | 28         |    |    |    | 59 |    |    |    |    |    |    |    |    |    |    |    | 45 |    |    |    |             |
| 97 81 U R                              | 31         |    |    |    | 42 |    |    |    | 27 |    |    |    |    |    |    |    |    |    |    |    |             |
| 97 81 U A                              | 41         |    |    |    | 50 |    |    |    | 47 |    |    |    | 44 |    |    |    | 34 |    |    |    | 43          |
| 98 70 U U                              | 70         |    |    |    | 54 |    |    |    | 54 |    |    |    | 43 |    |    |    | 29 |    |    |    | 41          |
| 98 84 UC R                             | 41         |    |    |    | 52 |    |    |    | 46 |    |    |    | 40 |    |    |    | 52 |    |    |    | 36          |
| 98 84 A R                              | 41         |    |    |    | 52 |    |    |    | 46 |    |    |    | 40 |    |    |    | 52 |    |    |    | 36          |
| 98 84 U U                              | 41         |    |    |    | 52 |    |    |    | 46 |    |    |    | 40 |    |    |    | 52 |    |    |    | 36          |
| 99 84 U U                              | 47         |    |    |    | 49 |    |    |    | 55 |    |    |    | 47 |    |    |    | 49 |    |    |    | 37          |
| 00 81 U A                              |            |    |    |    | 40 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 01 68 U A                              | 32         |    |    |    | 48 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 41          |
| 01 84 UC R                             | 43         |    |    |    | 51 |    |    |    | 48 |    |    |    | 49 |    |    |    | 44 |    |    |    | 36          |
| 01 84 A R                              | 43         |    |    |    | 51 |    |    |    | 48 |    |    |    | 49 |    |    |    | 44 |    |    |    | 36          |
| 01 84 U U                              | 43         |    |    |    | 51 |    |    |    | 48 |    |    |    | 49 |    |    |    | 44 |    |    |    | 36          |
| 02 73 MC R                             | 39         |    |    |    | 47 |    |    |    | 45 |    |    |    |    |    |    |    | 19 |    |    |    | 37          |
| 02 73 TC R                             | 46         |    |    |    | 49 |    |    |    | 47 |    |    |    |    |    |    |    | 20 |    |    |    | 40          |
| 02 73 A R                              | 46         |    |    |    | 50 |    |    |    | 47 |    |    |    |    |    |    |    | 21 |    |    |    | 40          |
| 02 73 MC U                             | 45         |    |    |    | 52 |    |    |    | 50 |    |    |    |    |    |    |    | 22 |    |    |    | 42          |
| 02 73 TC U                             | 53         |    |    |    | 56 |    |    |    | 53 |    |    |    |    |    |    |    | 23 |    |    |    | 45          |
| 02 73 A U                              | 54         |    |    |    | 57 |    |    |    | 53 |    |    |    |    |    |    |    | 25 |    |    |    | 46          |
| 02 84 UC R                             | 44         |    |    |    | 56 |    |    |    | 46 |    |    |    | 48 |    |    |    | 49 |    |    |    | 38          |
| 02 84 A R                              | 44         |    |    |    | 56 |    |    |    | 46 |    |    |    | 48 |    |    |    | 49 |    |    |    | 38          |
| 02 84 U U                              | 44         |    |    |    | 56 |    |    |    | 46 |    |    |    | 48 |    |    |    | 49 |    |    |    | 38          |
| 03 68 U A                              | 28         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 03 71 A A                              |            |    |    |    | 48 |    |    |    | 46 |    |    |    | 32 |    |    |    | 16 |    |    |    | 36          |
| 04 68 U A                              | 32         |    |    |    | 49 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 04 71 U A                              |            |    |    |    |    |    |    |    | 38 |    |    |    |    |    |    |    |    |    |    |    |             |
| 04 84 UC R                             | 34         |    |    |    | 52 |    |    |    | 47 |    |    |    | 43 |    |    |    | 45 |    |    |    | 34          |
| 04 84 A R                              | 34         |    |    |    | 52 |    |    |    | 47 |    |    |    | 43 |    |    |    | 42 |    |    |    | 34          |
| 04 84 U U                              | 34         |    |    |    | 53 |    |    |    | 47 |    |    |    | 43 |    |    |    | 45 |    |    |    | 34          |
| 05 68 U A                              | 33         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 05 73 MC R                             | 43         |    |    |    | 43 |    |    |    | 36 |    |    |    |    |    |    |    | 18 |    |    |    | 33          |
| 05 73 TC R                             | 49         |    |    |    | 53 |    |    |    | 42 |    |    |    | 40 |    |    |    | 19 |    |    |    | 38          |
| 05 73 A R                              | 49         |    |    |    | 53 |    |    |    | 45 |    |    |    | 45 |    |    |    | 19 |    |    |    | 39          |
| 05 73 MC U                             | 50         |    |    |    | 49 |    |    |    | 40 |    |    |    |    |    |    |    | 19 |    |    |    | 37          |
| 05 73 TC U                             | 56         |    |    |    | 58 |    |    |    | 48 |    |    |    |    |    |    |    |    |    |    |    |             |

**Table 4F** (*continued from p. 35, continues on p. 39*)  
Prevalence of smoking, females

**East Germany (continued/2)**

| Year<br>Source<br>Product<br>Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80+         |
| 94 72 MC U                             | 32         |    |    |    |    | 39 |    |    |    |    | 17 |    |    |    |    | 10 |    |    |    |    | 23          |
| 94 72 TC U                             | 32         |    |    |    |    | 39 |    |    |    |    | 18 |    |    |    |    | 10 |    |    |    |    | 23          |
| 94 72 A U                              | 32         |    |    |    |    | 39 |    |    |    |    | 18 |    |    |    |    | 10 |    |    |    |    | 23          |
| 94 73 MC U                             | 32         |    |    |    |    | 39 |    |    |    |    | 17 |    |    |    |    | 10 |    |    |    |    | 23          |
| 94 73 TC U                             | 32         |    |    |    |    | 39 |    |    |    |    | 18 |    |    |    |    | 10 |    |    |    |    | 23          |
| 94 73 A U                              | 32         |    |    |    |    | 39 |    |    |    |    | 18 |    |    |    |    | 10 |    |    |    |    | 23          |
| 95 73 MC U                             | 41         |    |    |    |    | 26 |    |    |    |    | 13 |    |    |    |    | 4  |    |    |    |    | 18          |
| 95 73 TC U                             | 41         |    |    |    |    | 26 |    |    |    |    | 13 |    |    |    |    | 4  |    |    |    |    | 18          |
| 95 73 A U                              | 41         |    |    |    |    | 26 |    |    |    |    | 13 |    |    |    |    | 5  |    |    |    |    | 18          |
| 95 81 U R                              | 17         |    |    |    |    | 23 |    |    |    |    | 11 |    |    |    |    |    |    |    |    |    |             |
| 95 81 U A                              | 35         |    |    |    |    | 44 |    |    |    |    | 16 |    |    |    |    |    |    |    |    |    | 29          |
| 97 68 U A                              | 41         |    |    |    |    | 52 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47          |
| 97 81 U R                              | 23         |    |    |    |    | 23 |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |             |
| 97 81 U A                              | 47         |    |    |    |    | 42 |    |    |    |    | 32 |    |    |    |    | 27 |    |    |    |    | 30          |
| 98 70 U U                              | 57         |    |    |    |    | 46 |    |    |    |    | 45 |    |    |    |    | 28 |    |    |    |    | 29          |
| 98 84 UC R                             | 37         |    |    |    |    | 31 |    |    |    |    | 33 |    |    |    |    | 30 |    |    |    |    | 20          |
| 98 84 A R                              | 37         |    |    |    |    | 31 |    |    |    |    | 33 |    |    |    |    | 30 |    |    |    |    | 20          |
| 98 84 U U                              | 37         |    |    |    |    | 31 |    |    |    |    | 33 |    |    |    |    | 30 |    |    |    |    | 20          |
| 99 84 U U                              | 45         |    |    |    |    | 37 |    |    |    |    | 31 |    |    |    |    | 33 |    |    |    |    | 22          |
| 00 81 U A                              |            |    |    |    |    | 27 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 01 68 U A                              | 33         |    |    |    |    | 44 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 39          |
| 01 84 UC R                             | 42         |    |    |    |    | 38 |    |    |    |    | 34 |    |    |    |    | 32 |    |    |    |    | 20          |
| 01 84 A R                              | 42         |    |    |    |    | 38 |    |    |    |    | 34 |    |    |    |    | 32 |    |    |    |    | 20          |
| 01 84 U U                              | 42         |    |    |    |    | 38 |    |    |    |    | 34 |    |    |    |    | 33 |    |    |    |    | 21          |
| 02 73 MCR                              | 49         |    |    |    |    | 37 |    |    |    |    | 30 |    |    |    |    | 8  |    |    |    |    | 26          |
| 02 73 TCR                              | 49         |    |    |    |    | 37 |    |    |    |    | 32 |    |    |    |    | 8  |    |    |    |    | 26          |
| 02 73 A R                              | 49         |    |    |    |    | 37 |    |    |    |    | 32 |    |    |    |    | 8  |    |    |    |    | 26          |
| 02 73 MC U                             | 56         |    |    |    |    | 51 |    |    |    |    | 38 |    |    |    |    | 10 |    |    |    |    | 33          |
| 02 73 TC U                             | 56         |    |    |    |    | 52 |    |    |    |    | 40 |    |    |    |    | 10 |    |    |    |    | 34          |
| 02 73 A U                              | 56         |    |    |    |    | 52 |    |    |    |    | 40 |    |    |    |    | 10 |    |    |    |    | 34          |
| 02 84 UC R                             | 32         |    |    |    |    | 52 |    |    |    |    | 32 |    |    |    |    | 35 |    |    |    |    | 22          |
| 02 84 A R                              | 32         |    |    |    |    | 52 |    |    |    |    | 32 |    |    |    |    | 35 |    |    |    |    | 22          |
| 02 84 U U                              | 32         |    |    |    |    | 53 |    |    |    |    | 32 |    |    |    |    | 37 |    |    |    |    | 22          |
| 03 68 U A                              | 29         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |
| 03 71 A A                              | 46         |    |    |    |    | 32 |    |    |    |    | 23 |    |    |    |    | 7  |    |    |    |    | 25          |
| 04 68 U A                              | 35         |    |    |    |    | 51 |    |    |    |    |    |    |    |    |    | 25 |    |    |    |    |             |
| 04 71 U A                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 17 |    |    |    |    |             |
| 04 84 UC R                             | 32         |    |    |    |    | 45 |    |    |    |    | 34 |    |    |    |    | 24 |    |    |    |    | 22          |
| 04 84 A R                              | 32         |    |    |    |    | 45 |    |    |    |    | 34 |    |    |    |    | 24 |    |    |    |    | 22          |
| 04 84 U U                              | 32         |    |    |    |    | 45 |    |    |    |    | 34 |    |    |    |    | 24 |    |    |    |    | 22          |
| 05 68 U A                              | 32         |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 36 |    |    |    |    |             |
| 05 73 MCR                              |            |    |    |    |    | 32 |    |    |    |    | 26 |    |    |    |    | 16 |    |    |    |    | 16          |
| 05 73 TCR                              |            |    |    |    |    | 43 |    |    |    |    | 37 |    |    |    |    | 21 |    |    |    |    | 21          |
| 05 73 A R                              |            |    |    |    |    | 43 |    |    |    |    | 37 |    |    |    |    | 21 |    |    |    |    | 21          |
| 05 73 MC U                             |            |    |    |    |    | 54 |    |    |    |    | 26 |    |    |    |    | 9  |    |    |    |    | 22          |
| 05 73 TC U                             |            |    |    |    |    | 62 |    |    |    |    | 37 |    |    |    |    | 26 |    |    |    |    | 26          |
| 05 73 A U                              |            |    |    |    |    | 62 |    |    |    |    | 37 |    |    |    |    | 26 |    |    |    |    | 26          |

**Table 4M** (*continued from p. 36, continues on p. 40*)  
Prevalence of smoking, males

**East Germany (continued/3)**

| Year<br>Source<br>Product<br>Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |  |  |  |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|--|--|--|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75          |  |  |  |
| 06 73 MC R                             | 50         |    |    | 38 |    |    | 33 |    |    | 8  |    |    | 29 |    |    | 29 |    |    | 29 |             |  |  |  |
| 06 73 TC R                             | 52         |    |    | 42 |    |    | 35 |    |    | 11 |    |    | 32 |    |    | 32 |    |    | 32 |             |  |  |  |
| 06 73 A R                              | 52         |    |    | 42 |    |    | 37 |    |    | 13 |    |    | 33 |    |    | 33 |    |    | 33 |             |  |  |  |
| 06 73 MC U                             | 56         |    |    | 48 |    |    | 36 |    |    | 12 |    |    | 34 |    |    | 34 |    |    | 34 |             |  |  |  |
| 06 73 TC U                             | 58         |    |    | 51 |    |    | 38 |    |    | 15 |    |    | 37 |    |    | 37 |    |    | 37 |             |  |  |  |
| 06 73 A U                              | 58         |    |    | 51 |    |    | 42 |    |    | 16 |    |    | 38 |    |    | 38 |    |    | 38 |             |  |  |  |
| 06 84 UC R                             | 35         |    |    | 45 | 47 | 46 | 47 | 35 | 45 | 34 | 33 | 30 | 16 | 9  | 4  | 4  | 4  | 4  | 33 | 33          |  |  |  |
| 06 84 A R                              | 35         |    |    | 45 | 47 | 46 | 47 | 35 | 45 | 34 | 33 | 30 | 16 | 9  | 4  | 4  | 4  | 4  | 33 | 33          |  |  |  |
| 06 84 U U                              | 35         |    |    | 46 | 47 | 46 | 48 | 35 | 46 | 34 | 33 | 30 | 17 | 9  | 4  | 4  | 4  | 4  | 33 | 33          |  |  |  |
| 07 68 U A                              | 19         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |  |
| 08 68 U A                              | 18         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |  |
| 08 84 UC R                             | 20         | 38 | 36 | 41 | 39 | 42 | 38 | 43 | 27 | 28 | 18 | 13 | 6  | 2  | 30 |    |    |    |    |             |  |  |  |
| 08 84 A R                              | 20         | 38 | 36 | 44 | 39 | 43 | 40 | 43 | 30 | 31 | 20 | 13 | 6  | 5  | 32 |    |    |    |    |             |  |  |  |
| 08 84 U U                              | 20         | 38 | 36 | 44 | 39 | 43 | 40 | 43 | 30 | 31 | 20 | 13 | 6  | 5  | 32 |    |    |    |    |             |  |  |  |
| 09 73 MC R                             | 20         |    |    | 35 |    |    | 31 |    |    | 17 |    |    | 25 |    |    | 25 |    |    | 25 |             |  |  |  |
| 09 73 TC R                             | 22         |    |    | 52 |    |    | 42 |    |    | 20 |    |    | 33 |    |    | 33 |    |    | 33 |             |  |  |  |
| 09 73 MC A                             | 20         |    |    | 49 |    |    | 43 |    |    | 21 |    |    | 33 |    |    | 33 |    |    | 33 |             |  |  |  |
| 09 73 TC A                             | 22         |    |    | 52 |    |    | 47 |    |    | 21 |    |    | 35 |    |    | 35 |    |    | 35 |             |  |  |  |
| 09 73 A A                              | 22         |    |    | 52 |    |    | 47 |    |    | 24 |    |    | 37 |    |    | 37 |    |    | 37 |             |  |  |  |
| 09 78 U A                              | 46         |    |    | 45 |    |    | 37 |    |    | 13 |    |    | 36 |    |    |    |    |    |    |             |  |  |  |
| 10 78 U A                              | 50         |    |    | 43 |    |    | 35 |    |    | 14 |    |    | 35 |    |    |    |    |    |    |             |  |  |  |
| 10 84 UC R                             | 26         | 36 | 45 | 33 | 32 | 37 | 30 | 43 | 28 | 25 | 17 | 13 | 9  | 5  | 28 |    |    |    |    |             |  |  |  |
| 10 84 A R                              | 26         | 36 | 49 | 33 | 32 | 37 | 32 | 45 | 31 | 25 | 18 | 13 | 9  | 6  | 30 |    |    |    |    |             |  |  |  |
| 10 84 U U                              | 26         | 36 | 49 | 33 | 32 | 37 | 32 | 45 | 31 | 25 | 18 | 13 | 9  | 6  | 30 |    |    |    |    |             |  |  |  |
| 12 73 MC R                             | 21         |    |    | 44 |    |    | 31 |    |    | 15 |    |    | 26 |    |    |    |    |    |    |             |  |  |  |
| 12 73 TC R                             | 24         |    |    | 47 |    |    | 38 |    |    | 20 |    |    | 31 |    |    |    |    |    |    |             |  |  |  |
| 12 73 A R                              | 24         |    |    | 47 |    |    | 38 |    |    | 21 |    |    | 32 |    |    |    |    |    |    |             |  |  |  |
| 12 73 MC A                             | 24         |    |    | 44 |    |    | 31 |    |    | 18 |    |    | 28 |    |    |    |    |    |    |             |  |  |  |
| 12 73 TC A                             | 24         |    |    | 51 |    |    | 38 |    |    | 22 |    |    | 33 |    |    |    |    |    |    |             |  |  |  |
| 12 73 A A                              | 24         |    |    | 51 |    |    | 38 |    |    | 25 |    |    | 34 |    |    |    |    |    |    |             |  |  |  |
| 12 78 U A                              | 47         |    |    | 41 |    |    | 32 |    |    | 12 |    |    | 32 |    |    |    |    |    |    |             |  |  |  |
| 12 84 UC R                             | 30         | 44 | 50 | 42 | 42 | 34 | 41 | 41 | 33 | 28 | 21 | 13 | 14 | 6  | 32 |    |    |    |    |             |  |  |  |
| 12 84 A R                              | 30         | 44 | 52 | 42 | 42 | 35 | 44 | 43 | 35 | 30 | 21 | 15 | 14 | 8  | 33 |    |    |    |    |             |  |  |  |
| 12 84 U U                              | 30         | 44 | 52 | 42 | 42 | 35 | 44 | 43 | 36 | 30 | 21 | 15 | 14 | 8  | 34 |    |    |    |    |             |  |  |  |
| 14 84 UC R                             | 28         | 51 | 43 | 35 | 44 | 34 | 44 | 31 | 41 | 30 | 23 | 14 | 9  | 8  | 32 |    |    |    |    |             |  |  |  |
| 14 84 A R                              | 28         | 51 | 45 | 35 | 45 | 35 | 45 | 34 | 43 | 33 | 25 | 14 | 11 | 8  | 33 |    |    |    |    |             |  |  |  |
| 14 84 U U                              | 28         | 51 | 45 | 35 | 45 | 35 | 46 | 34 | 43 | 33 | 25 | 15 | 13 | 8  | 34 |    |    |    |    |             |  |  |  |

**Table 4F** (*continued from p. 37, continues on p. 41*)  
Prevalence of smoking, females

**East Germany (continued/3)**

| Year<br>Source<br>Product<br>Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |  |  |  |  |  |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|--|--|--|--|--|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80+         |  |  |  |  |  |
| 06 73 MCR                              | 26         |    |    |    | 29 |    |    |    | 21 |    |    |    | 7  |    |    |    | 18 |    |    |    |             |  |  |  |  |  |
| 06 73 TCR                              | 37         |    |    |    | 35 |    |    |    | 22 |    |    |    | 9  |    |    |    | 21 |    |    |    |             |  |  |  |  |  |
| 06 73 A R                              | 37         |    |    |    | 35 |    |    |    | 22 |    |    |    | 9  |    |    |    | 21 |    |    |    |             |  |  |  |  |  |
| 06 73 MCU                              | 38         |    |    |    | 35 |    |    |    | 30 |    |    |    | 10 |    |    |    | 24 |    |    |    |             |  |  |  |  |  |
| 06 73 TCU                              | 52         |    |    |    | 41 |    |    |    | 32 |    |    |    | 12 |    |    |    | 28 |    |    |    |             |  |  |  |  |  |
| 06 73 A U                              | 52         |    |    |    | 41 |    |    |    | 32 |    |    |    | 12 |    |    |    | 28 |    |    |    |             |  |  |  |  |  |
| 06 84 UCR                              |            |    |    | 35 | 39 | 35 | 24 | 34 | 35 | 32 | 23 | 21 | 11 | 7  | 5  | 7  | 3  | 22 |    |    |             |  |  |  |  |  |
| 06 84 A R                              |            |    |    | 35 | 39 | 35 | 24 | 34 | 35 | 32 | 23 | 21 | 11 | 7  | 5  | 7  | 3  | 22 |    |    |             |  |  |  |  |  |
| 06 84 UU                               |            |    |    | 35 | 39 | 36 | 24 | 34 | 36 | 32 | 23 | 21 | 11 | 7  | 6  | 7  | 4  | 23 |    |    |             |  |  |  |  |  |
| 07 68 UA                               | 23         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |  |  |  |
| 08 68 UA                               | 27         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |  |  |  |
| 08 84 UCR                              |            |    |    | 31 | 38 | 39 | 37 | 24 | 28 | 35 | 30 | 21 | 10 | 9  | 12 | 3  | 8  | 24 |    |    |             |  |  |  |  |  |
| 08 84 AR                               |            |    |    | 31 | 38 | 39 | 37 | 24 | 28 | 35 | 30 | 22 | 10 | 9  | 12 | 3  | 8  | 24 |    |    |             |  |  |  |  |  |
| 08 84 UU                               |            |    |    | 31 | 38 | 39 | 37 | 24 | 29 | 35 | 30 | 22 | 11 | 9  | 12 | 4  | 8  | 24 |    |    |             |  |  |  |  |  |
| 09 73 MCR                              |            |    |    | 33 | 18 |    |    |    | 29 |    |    |    | 6  |    |    |    | 17 |    |    |    |             |  |  |  |  |  |
| 09 73 TCR                              |            |    |    | 34 | 26 |    |    |    | 31 |    |    |    | 6  |    |    |    | 20 |    |    |    |             |  |  |  |  |  |
| 09 73 MCA                              |            |    |    | 35 | 28 |    |    |    | 34 |    |    |    | 6  |    |    |    | 21 |    |    |    |             |  |  |  |  |  |
| 09 73 TCA                              |            |    |    | 34 | 28 |    |    |    | 34 |    |    |    | 6  |    |    |    | 21 |    |    |    |             |  |  |  |  |  |
| 09 73 AA                               |            |    |    | 35 | 28 |    |    |    | 34 |    |    |    | 7  |    |    |    | 21 |    |    |    |             |  |  |  |  |  |
| 09 78 UA                               |            |    |    | 44 |    |    |    | 31 |    |    |    | 31 |    |    |    | 7  |    |    |    | 26 |             |  |  |  |  |  |
| 10 78 UA                               |            |    |    | 35 |    |    |    | 37 |    |    |    | 30 |    |    |    | 7  |    |    |    | 26 |             |  |  |  |  |  |
| 10 84 UCR                              |            |    |    | 22 | 41 | 25 | 32 | 15 | 37 | 28 | 25 | 27 | 11 | 10 | 6  | 0  | 6  | 21 |    |    |             |  |  |  |  |  |
| 10 84 AR                               |            |    |    | 22 | 41 | 25 | 32 | 15 | 37 | 28 | 25 | 27 | 11 | 10 | 6  | 0  | 6  | 21 |    |    |             |  |  |  |  |  |
| 10 84 UU                               |            |    |    | 22 | 41 | 25 | 32 | 15 | 37 | 29 | 25 | 27 | 11 | 11 | 6  | 0  | 6  | 21 |    |    |             |  |  |  |  |  |
| 12 73 MCR                              |            |    |    | 31 | 41 |    |    |    | 22 |    |    |    | 9  |    |    |    | 21 |    |    |    |             |  |  |  |  |  |
| 12 73 TCR                              |            |    |    | 42 | 42 |    |    |    | 25 |    |    |    | 10 |    |    |    | 23 |    |    |    |             |  |  |  |  |  |
| 12 73 A R                              |            |    |    | 42 | 42 |    |    |    | 25 |    |    |    | 10 |    |    |    | 23 |    |    |    |             |  |  |  |  |  |
| 12 73 MCA                              |            |    |    | 40 | 42 |    |    |    | 23 |    |    |    | 9  |    |    |    | 22 |    |    |    |             |  |  |  |  |  |
| 12 73 TCA                              |            |    |    | 48 | 43 |    |    |    | 25 |    |    |    | 10 |    |    |    | 24 |    |    |    |             |  |  |  |  |  |
| 12 73 AA                               |            |    |    | 48 | 43 |    |    |    | 26 |    |    |    | 10 |    |    |    | 24 |    |    |    |             |  |  |  |  |  |
| 12 78 UA                               |            |    |    | 28 |    |    |    | 35 |    |    |    | 27 |    |    |    | 9  |    |    |    | 24 |             |  |  |  |  |  |
| 12 84 UCR                              |            |    |    | 18 | 37 | 32 | 44 | 25 | 27 | 39 | 31 | 27 | 16 | 10 | 5  | 7  | 5  | 23 |    |    |             |  |  |  |  |  |
| 12 84 AR                               |            |    |    | 18 | 38 | 33 | 44 | 25 | 27 | 39 | 31 | 27 | 16 | 10 | 5  | 7  | 5  | 23 |    |    |             |  |  |  |  |  |
| 12 84 UU                               |            |    |    | 20 | 38 | 33 | 44 | 25 | 27 | 39 | 31 | 28 | 16 | 10 | 5  | 7  | 5  | 23 |    |    |             |  |  |  |  |  |
| 14 84 UCR                              |            |    |    | 31 | 32 | 48 | 32 | 35 | 28 | 36 | 32 | 23 | 21 | 6  | 8  | 6  | 5  | 24 |    |    |             |  |  |  |  |  |
| 14 84 AR                               |            |    |    | 31 | 32 | 48 | 32 | 35 | 28 | 37 | 32 | 23 | 21 | 6  | 8  | 6  | 5  | 25 |    |    |             |  |  |  |  |  |
| 14 84 UU                               |            |    |    | 31 | 32 | 48 | 32 | 35 | 28 | 37 | 32 | 24 | 21 | 6  | 9  | 7  | 5  | 25 |    |    |             |  |  |  |  |  |

**Table 4M** (continued from p. 38, continues on p. 42)  
Prevalence of smoking, males

**Germany**

| Year | Source | Product | Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All ages |    |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|
|      |        |         |           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75       |    |
| 90   | 72     | MC U    |           | 40         |    |    |    | 54 |    |    |    | 37 |    |    |    | 29 |    |    |    | 40 |    |    |          |    |
| 90   | 72     | TC U    |           | 45         |    |    |    | 59 |    |    |    | 37 |    |    |    | 30 |    |    |    | 43 |    |    |          |    |
| 90   | 72     | A U     |           | 46         |    |    |    | 61 |    |    |    | 40 |    |    |    | 37 |    |    |    | 46 |    |    |          |    |
| 90   | 81     | U R     |           |            |    |    |    | 39 |    |    |    | 43 |    |    |    |    |    |    |    |    |    |    |          |    |
| 90   | 81     | U A     |           |            |    |    |    | 44 |    |    |    | 50 |    |    |    |    |    |    |    |    |    |    |          |    |
| 91   | 36     | U U     |           |            |    |    |    | 47 |    |    |    | 49 |    |    |    | 40 |    |    |    | 33 |    |    |          | 40 |
| 91   | 72     | MC U    |           | 38         |    |    |    | 50 |    |    |    | 39 |    |    |    | 22 |    |    |    | 37 |    |    |          |    |
| 91   | 72     | TC U    |           | 39         |    |    |    | 52 |    |    |    | 42 |    |    |    | 23 |    |    |    | 39 |    |    |          |    |
| 91   | 72     | A U     |           | 39         |    |    |    | 54 |    |    |    | 45 |    |    |    | 28 |    |    |    | 42 |    |    |          |    |
| 92   | 67     | UC R    | *         | 16         |    |    |    | 35 |    |    |    | 40 |    |    |    | 42 |    |    |    | 36 |    |    |          | 29 |
| 92   | 67     | A R     | *         | 17         |    |    |    | 36 |    |    |    | 41 |    |    |    | 43 |    |    |    | 39 |    |    |          | 31 |
| 92   | 67     | A A     | *         | 21         |    |    |    | 42 |    |    |    | 47 |    |    |    | 49 |    |    |    | 43 |    |    |          | 35 |
| 92   | 72     | MC U    |           | 39         |    |    |    | 40 |    |    |    | 35 |    |    |    | 24 |    |    |    | 34 |    |    |          |    |
| 92   | 72     | TC U    |           | 45         |    |    |    | 44 |    |    |    | 39 |    |    |    | 25 |    |    |    | 38 |    |    |          |    |
| 92   | 72     | A U     |           | 45         |    |    |    | 48 |    |    |    | 43 |    |    |    | 30 |    |    |    | 41 |    |    |          |    |
| 93   | 68     | U R     |           | 29         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 40 |    |    |          |    |
| 93   | 68     | U A     |           | 9          | 44 | 47 | 54 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |
| 94   | 72     | MC U    |           | 39         |    |    |    | 44 |    |    |    | 36 |    |    |    | 22 |    |    |    | 35 |    |    |          |    |
| 94   | 72     | TC U    |           | 48         |    |    |    | 50 |    |    |    | 41 |    |    |    | 22 |    |    |    | 39 |    |    |          |    |
| 94   | 72     | A U     |           | 48         |    |    |    | 50 |    |    |    | 45 |    |    |    | 31 |    |    |    | 43 |    |    |          |    |
| 94   | 73     | MC U    |           | 40         |    |    |    | 44 |    |    |    | 38 |    |    |    | 22 |    |    |    | 36 |    |    |          |    |
| 94   | 73     | TC U    |           | 48         |    |    |    | 50 |    |    |    | 43 |    |    |    | 22 |    |    |    | 41 |    |    |          |    |
| 94   | 73     | A U     |           | 48         |    |    |    | 52 |    |    |    | 47 |    |    |    | 31 |    |    |    | 44 |    |    |          |    |
| 95   | 67     | UC R    | *         | 17         |    |    |    | 35 |    |    |    | 41 |    |    |    | 37 |    |    |    | 33 |    |    |          | 28 |
| 95   | 67     | A R     | *         | 17         |    |    |    | 36 |    |    |    | 42 |    |    |    | 39 |    |    |    | 31 |    |    |          | 29 |
| 95   | 67     | A A     | *         | 22         |    |    |    | 42 |    |    |    | 46 |    |    |    | 48 |    |    |    | 43 |    |    |          | 33 |
| 95   | 73     | MC U    |           | 34         |    |    |    | 42 |    |    |    | 33 |    |    |    | 22 |    |    |    | 33 |    |    |          |    |
| 95   | 73     | TC U    |           | 36         |    |    |    | 47 |    |    |    | 35 |    |    |    | 24 |    |    |    | 35 |    |    |          |    |
| 95   | 73     | A U     |           | 36         |    |    |    | 48 |    |    |    | 39 |    |    |    | 31 |    |    |    | 39 |    |    |          |    |
| 95   | 81     | U R     |           | 29         |    |    |    | 35 |    |    |    | 28 |    |    |    |    |    |    |    |    |    |    |          |    |
| 95   | 81     | U A     |           | 50         |    |    |    | 48 |    |    |    | 36 |    |    |    |    |    |    |    | 43 |    |    |          |    |
| 97   | 68     | U A     |           | 16         | 48 | 53 | 55 |    |    |    |    |    |    |    |    |    |    |    |    | 43 |    |    |          |    |
| 97   | 81     | U R     |           |            |    |    |    | 33 |    |    |    | 38 |    |    |    | 30 |    |    |    |    |    |    |          |    |
| 97   | 81     | U A     |           |            |    |    |    | 46 |    |    |    | 48 |    |    |    | 39 |    |    |    | 43 |    |    |          |    |
| 98   | 70     | U R     |           |            |    |    |    | 44 |    |    |    | 39 |    |    |    | 42 |    |    |    | 34 |    |    |          | 31 |
| 98   | 70     | U U     |           |            |    |    |    | 54 |    |    |    | 47 |    |    |    | 49 |    |    |    | 31 |    |    |          | 37 |
| 98   | 84     | UC R    |           | 34         |    |    |    | 46 |    |    |    | 51 |    |    |    | 47 |    |    |    | 45 |    |    |          | 37 |
| 98   | 84     | A R     |           | 34         |    |    |    | 46 |    |    |    | 51 |    |    |    | 47 |    |    |    | 45 |    |    |          | 37 |
| 98   | 84     | A U     |           | 34         |    |    |    | 47 |    |    |    | 51 |    |    |    | 47 |    |    |    | 45 |    |    |          | 37 |
| 99   | 67     | UC R    |           | 22         |    |    |    | 37 |    |    |    | 38 |    |    |    | 41 |    |    |    | 35 |    |    |          | 29 |
| 99   | 67     | A R     |           | 22         |    |    |    | 38 |    |    |    | 40 |    |    |    | 42 |    |    |    | 38 |    |    |          | 31 |
| 99   | 67     | UC A    |           | 28         |    |    |    | 42 |    |    |    | 43 |    |    |    | 45 |    |    |    | 32 |    |    |          | 33 |
| 99   | 67     | A A     |           | 28         |    |    |    | 43 |    |    |    | 44 |    |    |    | 45 |    |    |    | 41 |    |    |          | 35 |
| 99   | 73     | U U     |           |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |

**Table 4F** (*continued from p. 39, continues on p. 43*)  
Prevalence of smoking, females

**Germany**

| Year<br>Source<br>Product<br>Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |  |  |  |  |  |  |  |  |  |  |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|--|--|--|--|--|--|--|--|--|--|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |             |  |  |  |  |  |  |  |  |  |  |
| 90 72 MC U                             | 32         |    |    |    |    | 36 |    |    |    |    | 25 |    |    |    |    | 15 |    |    |    |    | 25          |  |  |  |  |  |  |  |  |  |  |
| 90 72 TC U                             | 33         |    |    |    |    | 39 |    |    |    |    | 26 |    |    |    |    | 16 |    |    |    |    | 26          |  |  |  |  |  |  |  |  |  |  |
| 90 72 A U                              | 33         |    |    |    |    | 39 |    |    |    |    | 26 |    |    |    |    | 16 |    |    |    |    | 27          |  |  |  |  |  |  |  |  |  |  |
| 90 81 U R                              | 34         |    |    |    |    | 36 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |  |  |  |  |  |  |  |  |
| 90 81 U A                              | 42         |    |    |    |    | 41 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |  |  |  |  |  |  |  |  |
| 91 36 U U                              |            |    |    |    |    | 41 | 39 |    |    |    | 28 | 17 |    |    | 12 |    |    |    |    |    | 27          |  |  |  |  |  |  |  |  |  |  |
| 91 72 MC U                             | 31         |    |    |    |    | 41 |    |    |    |    | 29 |    |    |    |    | 9  |    |    |    |    | 25          |  |  |  |  |  |  |  |  |  |  |
| 91 72 TC U                             | 35         |    |    |    |    | 44 |    |    |    |    | 29 |    |    |    |    | 11 |    |    |    |    | 27          |  |  |  |  |  |  |  |  |  |  |
| 91 72 A U                              | 35         |    |    |    |    | 44 |    |    |    |    | 29 |    |    |    |    | 11 |    |    |    |    | 27          |  |  |  |  |  |  |  |  |  |  |
| 92 67 UC R                             | *          | 11 |    |    | 26 | 29 | 30 | 29 | 25 | 21 | 14 | 12 | 10 | 7  | 6  | 3  | 17 |    |    |    |             |  |  |  |  |  |  |  |  |  |  |
| 92 67 A R                              | *          | 11 |    |    | 26 | 30 | 31 | 29 | 25 | 21 | 14 | 12 | 10 | 7  | 6  | 3  | 17 |    |    |    |             |  |  |  |  |  |  |  |  |  |  |
| 92 67 A A                              | *          | 14 |    |    | 32 | 36 | 37 | 35 | 30 | 25 | 17 | 14 | 13 | 10 | 8  | 4  | 21 |    |    |    |             |  |  |  |  |  |  |  |  |  |  |
| 92 72 MC U                             | 29         |    |    |    |    | 33 |    |    |    |    | 27 |    |    |    |    | 8  |    |    |    |    | 22          |  |  |  |  |  |  |  |  |  |  |
| 92 72 TC U                             | 33         |    |    |    |    | 33 |    |    |    |    | 29 |    |    |    |    | 9  |    |    |    |    | 23          |  |  |  |  |  |  |  |  |  |  |
| 92 72 A U                              | 33         |    |    |    |    | 33 |    |    |    |    | 29 |    |    |    |    | 9  |    |    |    |    | 23          |  |  |  |  |  |  |  |  |  |  |
| 93 68 U R                              | 23         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |  |  |  |  |  |  |  |  |  |
| 93 68 U A                              | 13         | 36 | 37 | 49 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 34 |             |  |  |  |  |  |  |  |  |  |  |
| 94 72 MC U                             | 33         |    |    |    |    | 40 |    |    |    |    | 23 |    |    |    |    | 12 |    |    |    |    | 25          |  |  |  |  |  |  |  |  |  |  |
| 94 72 TC U                             | 33         |    |    |    |    | 43 |    |    |    |    | 28 |    |    |    |    | 13 |    |    |    |    | 27          |  |  |  |  |  |  |  |  |  |  |
| 94 72 A U                              | 33         |    |    |    |    | 43 |    |    |    |    | 28 |    |    |    |    | 13 |    |    |    |    | 27          |  |  |  |  |  |  |  |  |  |  |
| 94 73 MC U                             | 33         |    |    |    |    | 41 |    |    |    |    | 23 |    |    |    |    | 12 |    |    |    |    | 25          |  |  |  |  |  |  |  |  |  |  |
| 94 73 TC U                             | 33         |    |    |    |    | 44 |    |    |    |    | 28 |    |    |    |    | 13 |    |    |    |    | 27          |  |  |  |  |  |  |  |  |  |  |
| 94 73 A U                              | 33         |    |    |    |    | 44 |    |    |    |    | 28 |    |    |    |    | 13 |    |    |    |    | 27          |  |  |  |  |  |  |  |  |  |  |
| 95 67 UC R                             | *          | 11 |    |    | 25 | 29 | 30 | 30 | 26 | 22 | 16 | 12 | 9  | 8  | 5  | 3  | 17 |    |    |    |             |  |  |  |  |  |  |  |  |  |  |
| 95 67 A R                              | *          | 11 |    |    | 25 | 29 | 31 | 30 | 26 | 23 | 16 | 12 | 9  | 8  | 5  | 3  | 17 |    |    |    |             |  |  |  |  |  |  |  |  |  |  |
| 95 67 A A                              | *          | 14 |    |    | 31 | 35 | 37 | 35 | 31 | 27 | 20 | 14 | 11 | 10 | 7  | 4  | 20 |    |    |    |             |  |  |  |  |  |  |  |  |  |  |
| 95 73 MC U                             | 28         |    |    |    |    | 33 |    |    |    |    | 20 |    |    |    |    | 8  |    |    |    |    | 20          |  |  |  |  |  |  |  |  |  |  |
| 95 73 TC U                             | 28         |    |    |    |    | 35 |    |    |    |    | 23 |    |    |    |    | 8  |    |    |    |    | 21          |  |  |  |  |  |  |  |  |  |  |
| 95 73 A U                              | 28         |    |    |    |    | 35 |    |    |    |    | 23 |    |    |    |    | 8  |    |    |    |    | 21          |  |  |  |  |  |  |  |  |  |  |
| 95 81 U R                              | 21         |    |    |    |    | 24 |    |    |    |    | 16 |    |    |    |    |    |    |    |    |    |             |  |  |  |  |  |  |  |  |  |  |
| 95 81 U A                              | 34         |    |    |    |    | 37 |    |    |    |    | 22 |    |    |    |    |    |    |    |    |    | 29          |  |  |  |  |  |  |  |  |  |  |
| 97 68 U A                              | 19         | 47 | 44 | 49 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 39 |             |  |  |  |  |  |  |  |  |  |  |
| 97 81 U R                              | 19         |    |    |    |    | 26 |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |             |  |  |  |  |  |  |  |  |  |  |
| 97 81 U A                              | 37         |    |    |    |    | 37 |    |    |    |    | 23 |    |    |    |    |    |    |    |    |    | 30          |  |  |  |  |  |  |  |  |  |  |
| 98 70 U R                              | 37         |    |    |    |    | 30 |    |    |    |    | 33 |    |    |    |    | 26 |    |    |    |    | 22          |  |  |  |  |  |  |  |  |  |  |
| 98 70 U U                              | 48         |    |    |    |    | 43 |    |    |    |    | 41 |    |    |    |    | 31 |    |    |    |    | 28          |  |  |  |  |  |  |  |  |  |  |
| 98 84 UC R                             | 29         |    |    |    |    | 35 |    |    |    |    | 36 |    |    |    |    | 37 |    |    |    |    | 24          |  |  |  |  |  |  |  |  |  |  |
| 98 84 A R                              | 29         |    |    |    |    | 35 |    |    |    |    | 36 |    |    |    |    | 37 |    |    |    |    | 24          |  |  |  |  |  |  |  |  |  |  |
| 98 84 U U                              | 30         |    |    |    |    | 35 |    |    |    |    | 36 |    |    |    |    | 37 |    |    |    |    | 24          |  |  |  |  |  |  |  |  |  |  |
| 99 67 UC R                             | *          | 16 |    |    | 26 | 27 | 30 | 30 | 29 | 25 | 20 | 13 | 10 | 7  | 6  | 3  | 18 |    |    |    |             |  |  |  |  |  |  |  |  |  |  |
| 99 67 A R                              | *          | 16 |    |    | 27 | 27 | 30 | 31 | 29 | 25 | 21 | 14 | 10 | 8  | 6  | 3  | 19 |    |    |    |             |  |  |  |  |  |  |  |  |  |  |
| 99 67 UC A                             | 21         |    |    |    |    | 32 |    |    |    |    | 32 |    |    |    |    | 34 |    |    |    |    | 22          |  |  |  |  |  |  |  |  |  |  |
| 99 67 A A                              | 21         |    |    |    |    | 33 |    |    |    |    | 33 |    |    |    |    | 35 |    |    |    |    | 22          |  |  |  |  |  |  |  |  |  |  |
| 99 73 U U                              | 44         |    |    |    |    | 37 |    |    |    |    | 33 |    |    |    |    |    |    |    |    |    | 27          |  |  |  |  |  |  |  |  |  |  |
| 99 84 U U                              | 35         |    |    |    |    | 39 |    |    |    |    | 38 |    |    |    |    | 42 |    |    |    |    | 25          |  |  |  |  |  |  |  |  |  |  |
| 00 81 U R                              | 23         |    |    |    |    | 23 |    |    |    |    |    |    |    |    |    | 19 |    |    |    |    |             |  |  |  |  |  |  |  |  |  |  |
| 00 81 U A                              | 44         |    |    |    |    | 36 |    |    |    |    | 32 |    |    |    |    | 35 |    |    |    |    | 31          |  |  |  |  |  |  |  |  |  |  |

**Table 4M** (*continued from p. 40, continues on p. 44*)  
Prevalence of smoking, males

## **Germany (continued)**

| Year | Source | Product | Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All ages |    |  |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|--|
|      |        |         |           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75       |    |  |
| 01   | 68     | UC *    |           | 33         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |  |
| 01   | 68     | U R     |           | 24         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |  |
| 01   | 68     | U A     |           | 18         | 46 | 48 | 45 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 38 |  |
| 01   | 84     | UC R    |           |            |    | 31 | 46 | 45 | 45 | 46 | 44 | 47 | 37 | 31 | 25 | 18 | 18 | 12 | 3  | 35 |    |    |          |    |  |
| 01   | 84     | A R     |           |            |    | 31 | 46 | 45 | 45 | 46 | 44 | 47 | 37 | 31 | 25 | 18 | 18 | 12 | 3  | 35 |    |    |          |    |  |
| 01   | 84     | U U     |           |            |    | 31 | 46 | 45 | 45 | 46 | 44 | 48 | 37 | 31 | 25 | 18 | 18 | 12 | 3  | 36 |    |    |          |    |  |
| 02   | 73     | MCR     |           |            |    | 28 |    |    |    | 38 |    |    | 39 |    |    |    |    |    |    | 20 |    |    |          | 31 |  |
| 02   | 73     | TCR     |           |            |    | 38 |    |    |    | 42 |    |    | 43 |    |    |    |    |    |    | 21 |    |    |          | 36 |  |
| 02   | 73     | AR      |           |            |    | 38 |    |    |    | 42 |    |    | 43 |    |    |    |    |    |    | 25 |    |    |          | 37 |  |
| 02   | 73     | MCU     |           |            |    | 36 |    |    |    | 45 |    |    | 42 |    |    |    |    |    |    | 23 |    |    |          | 36 |  |
| 02   | 73     | TCU     |           |            |    | 45 |    |    |    | 50 |    |    | 47 |    |    |    |    |    |    | 24 |    |    |          | 41 |  |
| 02   | 73     | AU      |           |            |    | 47 |    |    |    | 52 |    |    | 48 |    |    |    |    |    |    | 28 |    |    |          | 43 |  |
| 02   | 74     | A U     |           |            |    |    |    |    |    | 40 |    |    | 40 |    |    |    |    |    | 27 |    |    |    |          | 34 |  |
| 02   | 75     | A *     |           | 10         | 26 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |  |
| 02   | 75     | A R     |           | 14         | 32 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |  |
| 02   | 84     | UC R    |           |            |    | 35 | 49 | 51 | 48 | 46 | 44 | 51 | 41 | 32 | 26 | 20 | 18 | 13 | 4  | 37 |    |    |          |    |  |
| 02   | 84     | A R     |           |            |    | 35 | 49 | 51 | 48 | 46 | 44 | 51 | 41 | 32 | 26 | 20 | 18 | 13 | 4  | 37 |    |    |          |    |  |
| 02   | 84     | U U     |           |            |    | 35 | 49 | 51 | 48 | 46 | 44 | 51 | 41 | 32 | 26 | 21 | 18 | 13 | 4  | 37 |    |    |          |    |  |
| 03   | 67     | UC R    |           |            |    | 21 | 39 | 37 | 38 | 37 | 37 | 35 | 29 | 25 | 19 | 14 | 12 | 8  | 28 |    |    |    |          |    |  |
| 03   | 67     | A R     |           |            |    | 22 | 40 | 39 | 39 | 38 | 39 | 37 | 32 | 28 | 21 | 15 | 14 | 10 | 30 |    |    |    |          |    |  |
| 03   | 67     | UC A    |           |            |    | 26 | 45 | 42 | 41 | 40 | 40 | 38 | 32 | 28 | 21 | 15 | 13 | 9  | 31 |    |    |    |          |    |  |
| 03   | 67     | A A     |           |            |    | 27 | 46 | 44 | 43 | 42 | 43 | 40 | 35 | 31 | 23 | 18 | 16 | 11 | 33 |    |    |    |          |    |  |
| 03   | 68     | UC *    |           | 3          | 23 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |  |
| 03   | 68     | U A     |           | 13         | 41 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |  |
| 03   | 68*    | U A     |           | 16         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |  |
| 03   | 71     | UR      |           |            |    |    | 40 | 39 | 37 | 35 | 25 | 16 |    |    |    |    |    |    |    |    |    |    |          | 29 |  |
| 03   | 71     | UCA     |           |            |    |    |    |    |    |    |    |    | 34 |    |    |    |    |    |    |    |    |    |          |    |  |
| 03   | 71     | UA      |           |            |    |    | 55 | 54 | 45 | 43 | 32 | 21 |    |    |    |    |    |    |    |    |    |    |          | 37 |  |
| 03   | 76     | UC *    |           |            | 31 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |  |
| 03   | 76     | UCA     |           |            | 43 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |  |
| 03   | 81     | U R     |           |            |    |    | 24 | 28 | 31 | 29 | 31 | 24 |    |    |    |    |    |    |    |    |    |    |          | 28 |  |
| 03   | 81     | U A     |           |            |    |    | 42 | 42 | 43 | 38 | 39 | 29 |    |    |    |    |    |    |    |    |    |    |          | 37 |  |
| 04   | 68     | UC *    |           | 6          | 24 | 31 | 31 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 23 |  |
| 04   | 68     | U R     |           |            |    | 23 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |  |
| 04   | 68     | U A     |           |            | 16 | 41 | 45 | 44 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 36 |  |
| 04   | 68*    | UCA     |           |            | 34 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |  |
| 04   | 71     | UA      |           |            |    |    |    |    |    | 53 | 41 | 41 | 37 | 21 | 13 |    |    |    |    |    |    |    |          | 37 |  |
| 04   | 77     | U *     |           | 0          | 3  | 7  | 16 | 29 | 34 |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 14 |  |
| 04   | 77     | UR      |           | 2          | 9  | 19 | 36 | 38 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 16 |  |
| 04   | 77     | UA      |           | 2          | 9  | 13 | 25 | 43 | 43 |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 21 |  |
| 04   | 84     | UC R    |           |            |    |    | 29 | 46 | 45 | 48 | 39 | 44 | 45 | 40 | 33 | 26 | 19 | 16 | 10 | 8  | 34 |    |          |    |  |
| 04   | 84     | A R     |           |            |    |    | 29 | 46 | 45 | 48 | 39 | 44 | 45 | 40 | 33 | 26 | 19 | 16 | 10 | 8  | 34 |    |          |    |  |
| 04   | 84     | U U     |           |            |    |    | 29 | 46 | 45 | 48 | 39 | 44 | 45 | 40 | 33 | 26 | 19 | 16 | 10 | 8  | 35 |    |          |    |  |

**Table 4F** (continued from p. 41, continues on p. 45)  
Prevalence of smoking, females

**Germany (continued)**

| Year<br>Source<br>Product<br>Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |    |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|----|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |             |    |
| 01 68 UC *                             | 29         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 01 68 U R                              | 21         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 01 68 U A                              | 21         | 43 | 45 | 40 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 36          |    |
| 01 84 UC R                             |            |    | 33 | 35 | 34 | 34 | 37 | 37 | 35 | 27 | 22 | 16 | 9  | 10 | 7  | 3  |    |    |    |    | 25          |    |
| 01 84 A R                              |            |    | 33 | 35 | 34 | 34 | 37 | 37 | 35 | 27 | 22 | 16 | 9  | 10 | 7  | 3  |    |    |    |    | 25          |    |
| 01 84 U U                              |            |    | 34 | 36 | 34 | 34 | 37 | 38 | 35 | 28 | 22 | 16 | 9  | 10 | 7  | 3  |    |    |    |    | 25          |    |
| 02 73 MCR                              |            |    | 40 |    |    | 30 |    |    | 27 |    |    |    |    |    |    |    | 12 |    |    |    | 24          |    |
| 02 73 TC R                             |            |    | 40 |    |    | 31 |    |    | 28 |    |    |    |    |    |    |    | 12 |    |    |    | 24          |    |
| 02 73 A R                              |            |    | 40 |    |    | 31 |    |    | 28 |    |    |    |    |    |    |    | 12 |    |    |    | 24          |    |
| 02 73 MC U                             |            |    | 47 |    |    | 36 |    |    | 32 |    |    |    |    |    |    |    | 14 |    |    |    | 28          |    |
| 02 73 TC U                             |            |    | 48 |    |    | 38 |    |    | 34 |    |    |    |    |    |    |    | 15 |    |    |    | 30          |    |
| 02 73 A U                              |            |    | 48 |    |    | 38 |    |    | 34 |    |    |    |    |    |    |    | 15 |    |    |    | 30          |    |
| 02 74 A U                              |            |    |    |    |    | 39 |    |    | 38 |    |    |    |    |    |    | 20 |    |    |    |    | 31          |    |
| 02 75 A *                              | 10         | 29 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 02 75 A R                              | 15         | 34 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 02 84 UC R                             |            |    | 32 | 42 | 35 | 35 | 38 | 39 | 38 | 31 | 24 | 17 | 9  | 9  | 8  | 3  |    |    |    |    | 26          |    |
| 02 84 A R                              |            |    | 32 | 42 | 35 | 35 | 38 | 39 | 38 | 31 | 24 | 17 | 9  | 9  | 8  | 3  |    |    |    |    | 26          |    |
| 02 84 U U                              |            |    | 32 | 42 | 36 | 35 | 38 | 39 | 38 | 31 | 24 | 17 | 9  | 9  | 8  | 3  |    |    |    |    | 27          |    |
| 03 67 UC R                             |            |    | 18 | 29 | 26 | 27 | 28 | 29 | 26 | 21 | 16 | 11 | 7  | 5  | 3  |    |    |    |    |    | 18          |    |
| 03 67 A R                              |            |    | 18 | 30 | 26 | 27 | 29 | 30 | 27 | 22 | 17 | 11 | 7  | 6  | 3  |    |    |    |    |    | 19          |    |
| 03 67 UC A                             |            |    | 23 | 35 | 30 | 31 | 32 | 33 | 30 | 24 | 19 | 12 | 8  | 6  | 4  |    |    |    |    |    | 22          |    |
| 03 67 A A                              |            |    | 23 | 35 | 31 | 32 | 33 | 33 | 31 | 25 | 19 | 13 | 9  | 7  | 4  |    |    |    |    |    | 22          |    |
| 03 68 UC *                             | 4          | 20 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 03 68 U A                              | 15         | 41 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 03 68* U A                             | 15         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 03 71 U R                              |            |    | 43 | 32 | 30 | 28 | 24 | 11 |    |    |    |    |    |    |    |    |    |    |    |    | 22          |    |
| 03 71 UC A                             |            |    |    |    |    | 28 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 03 71 U A                              |            |    | 52 | 43 | 37 | 36 | 28 | 15 |    |    |    |    |    |    |    |    |    |    |    |    | 28          |    |
| 03 76 UC *                             |            | 34 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 03 76 UC A                             |            | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 03 81 U R                              |            |    | 22 | 27 | 20 | 23 | 20 |    |    |    |    |    |    |    |    |    |    |    |    |    | 22          |    |
| 03 81 U A                              |            |    | 41 | 39 | 34 | 31 | 28 | 26 |    |    |    |    |    |    |    |    |    |    |    |    | 31          |    |
| 04 68 UC *                             | 4          | 23 | 27 | 28 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 20 |
| 04 68 U R                              |            | 20 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 04 68 U A                              | 16         | 37 | 46 | 42 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 35 |
| 04 68* UC A                            | 30         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 04 71 U A                              |            |    | 40 | 36 | 35 | 28 | 14 | 9  |    |    |    |    |    |    |    |    |    |    |    |    | 27          |    |
| 04 77 U *                              | 0          | 2  | 10 | 20 | 25 | 29 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 13 |
| 04 77 U R                              | 2          | 13 | 25 | 30 | 34 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 16 |
| 04 77 U A                              | 2          | 8  | 18 | 31 | 36 | 42 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 20 |
| 04 84 UC R                             |            |    | 29 | 41 | 36 | 27 | 34 | 41 | 33 | 31 | 24 | 16 | 10 | 7  | 9  | 3  |    |    |    |    | 25          |    |
| 04 84 A R                              |            |    | 29 | 41 | 36 | 27 | 34 | 41 | 33 | 31 | 24 | 16 | 10 | 7  | 9  | 3  |    |    |    |    | 25          |    |
| 04 84 U U                              |            |    | 29 | 41 | 36 | 27 | 34 | 41 | 33 | 31 | 24 | 16 | 11 | 8  | 10 | 4  |    |    |    |    | 25          |    |

**Table 4M** (*continued from p. 42, continues on p. 46*)  
Prevalence of smoking, males

**Germany (continued/2)**

| Year<br>Source<br>Product<br>Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |    |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|----|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75          |    |
| 05 67 UC R                             |            |    |    | 19 |    |    |    |    | 37 | 36 | 35 | 35 | 35 | 34 | 29 | 24 | 18 | 13 | 10 | 6           | 26 |
| 05 67 A R                              |            |    |    | 20 |    |    |    |    | 38 | 38 | 36 | 36 | 37 | 36 | 31 | 27 | 20 | 14 | 11 | 8           | 28 |
| 05 67 UC A                             |            |    |    | 25 |    |    |    |    | 44 | 43 | 40 | 39 | 39 | 38 | 32 | 27 | 20 | 15 | 12 | 7           | 30 |
| 05 67 A A                              |            |    |    | 26 |    |    |    |    | 45 | 44 | 41 | 41 | 41 | 40 | 35 | 31 | 23 | 17 | 13 | 9           | 32 |
| 05 68 UC *                             |            | 4  |    | 21 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 05 68 U A                              |            | 12 |    | 38 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 05 73 MC R                             |            |    |    | 35 |    |    |    |    |    | 35 |    |    | 36 |    |    |    |    | 14 |    |             | 28 |
| 05 73 TC R                             |            |    |    | 40 |    |    |    |    |    | 43 |    |    | 45 |    |    |    |    |    | 16 |             | 34 |
| 05 73 A R                              |            |    |    | 40 |    |    |    |    |    | 45 |    |    | 46 |    |    |    |    |    | 17 |             | 35 |
| 05 73 MC U                             |            |    |    | 42 |    |    |    |    |    | 41 |    |    | 39 |    |    |    |    |    | 16 |             | 32 |
| 05 73 TC U                             |            |    |    | 47 |    |    |    |    |    | 50 |    |    | 48 |    |    |    |    |    | 18 |             | 38 |
| 05 73 A U                              |            |    |    | 47 |    |    |    |    |    | 53 |    |    | 49 |    |    |    |    |    | 20 |             | 40 |
| 06 73 MC R                             |            |    |    | 26 |    |    |    |    |    | 27 |    |    | 32 |    |    |    |    |    | 13 |             | 24 |
| 06 73 TC R                             |            |    |    | 31 |    |    |    |    |    | 34 |    |    | 40 |    |    |    |    |    | 16 |             | 29 |
| 06 73 A R                              |            |    |    | 31 |    |    |    |    |    | 34 |    |    | 41 |    |    |    |    |    | 18 |             | 31 |
| 06 73 MC U                             |            |    |    | 34 |    |    |    |    |    | 34 |    |    | 34 |    |    |    |    |    | 16 |             | 28 |
| 06 73 TC U                             |            |    |    | 41 |    |    |    |    |    | 43 |    |    | 43 |    |    |    |    |    | 18 |             | 34 |
| 06 73 A U                              |            |    |    | 41 |    |    |    |    |    | 44 |    |    | 44 |    |    |    |    |    | 22 |             | 36 |
| 06 75 A *                              |            | 3  |    | 14 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 06 75 A R                              |            | 5  |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 06 81 U R                              |            |    |    | 25 | 25 | 27 |    | 30 |    | 26 |    | 25 |    | 19 |    |    |    |    |    |             | 26 |
| 06 81 U A                              |            |    |    | 39 | 43 | 39 |    | 40 |    | 36 |    | 33 |    | 21 |    |    |    |    |    |             | 36 |
| 06 84 UC R                             |            |    |    | 36 | 48 | 42 | 46 | 39 | 40 | 41 | 45 | 29 | 25 | 17 | 14 | 13 | 6  |    |    | 33          |    |
| 06 84 A R                              |            |    |    | 36 | 48 | 42 | 46 | 39 | 40 | 41 | 45 | 29 | 25 | 17 | 14 | 13 | 6  |    |    | 33          |    |
| 06 84 U U                              |            |    |    | 36 | 48 | 42 | 46 | 39 | 40 | 41 | 45 | 29 | 25 | 17 | 14 | 13 | 7  |    |    | 34          |    |
| 07 68 UC *                             |            | 3  |    | 20 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 07 68 U A                              |            | 8  |    | 36 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 07 76 UC *                             |            |    | 21 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 07 76 UC A                             |            |    | 31 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 08 68 UC *                             |            | 3  |    | 10 | 28 | 32 |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 20 |
| 08 68 U R                              |            | 3  |    | 10 | 27 | 32 |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 20 |
| 08 68 U A                              |            | 9  |    | 25 | 41 | 44 |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 31 |
| 08 68* UC A                            |            | 5  |    | 20 | 38 | 42 |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 28 |
| 08 84 UC R                             |            |    |    | 24 | 42 | 41 | 45 | 38 | 35 | 35 | 42 | 34 | 22 | 17 | 12 | 10 | 8  |    |    | 31          |    |
| 08 84 A R                              |            |    |    | 24 | 43 | 42 | 46 | 39 | 36 | 37 | 43 | 36 | 25 | 19 | 13 | 10 | 9  |    |    | 32          |    |
| 08 84 U U                              |            |    |    | 24 | 43 | 42 | 46 | 39 | 37 | 37 | 44 | 36 | 25 | 19 | 14 | 10 | 10 |    |    | 32          |    |
| 09 67 UC R                             |            |    |    | 15 |    |    | 33 | 37 | 35 | 32 | 32 | 31 | 25 | 19 | 13 | 9  | 6  |    |    | 25          |    |
| 09 67 A R                              |            |    |    | 16 |    |    | 34 | 38 | 37 | 34 | 34 | 33 | 27 | 22 | 15 | 11 | 7  |    |    | 26          |    |
| 09 67 UC A                             |            |    |    | 19 |    |    | 39 | 43 | 41 | 38 | 37 | 34 | 28 | 22 | 15 | 11 | 7  |    |    | 29          |    |
| 09 67 A A                              |            |    |    | 20 |    |    | 40 | 44 | 43 | 39 | 38 | 39 | 37 | 31 | 25 | 17 | 13 | 8  |    | 31          |    |
| 09 73 MC R                             |            |    |    | 20 |    |    |    | 25 |    |    | 23 |    |    |    |    |    | 11 |    |    | 19          |    |
| 09 73 TC R                             |            |    |    | 25 |    |    |    | 41 |    |    | 35 |    |    |    |    |    | 14 |    |    | 28          |    |
| 09 73 MC A                             |            |    |    | 24 |    |    |    | 41 |    |    | 32 |    |    |    |    |    | 14 |    |    | 27          |    |
| 09 73 TC A                             |            |    |    | 25 |    |    |    | 44 |    |    | 37 |    |    |    |    |    | 15 |    |    | 29          |    |
| 09 73 A A                              |            |    |    | 28 |    |    |    | 45 |    |    | 40 |    |    |    |    |    | 17 |    |    | 32          |    |
| 09 78 U R                              |            |    |    |    |    |    |    |    |    |    | 27 |    |    |    |    |    |    |    |    |             |    |
| 09 78 MC A                             |            |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    |    |             |    |
| 09 78 U A                              |            |    |    |    |    |    | 43 |    | 42 |    | 35 |    |    |    |    |    | 14 |    |    | 34          |    |
| 09 81 U R                              |            |    |    |    |    |    | 21 | 28 | 30 |    | 23 |    | 24 |    | 23 |    | 14 |    |    |             | 23 |
| 09 81 U A                              |            |    |    |    |    |    | 31 | 42 | 43 |    | 35 |    | 33 |    | 29 |    | 18 |    |    |             | 33 |

**Table 4F** (*continued from p. 43, continues on p. 47*)  
Prevalence of smoking, females

**Germany (continued/2)**

| Year<br>Source<br>Product<br>Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |    |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|----|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80+         |    |
| 05 67 UC R                             |            |    |    |    |    |    |    |    | 16 | 29 | 26 | 24 | 26 | 28 | 27 | 22 | 17 | 12 | 8  | 5  | 3           | 18 |
| 05 67 A R                              |            |    |    |    |    |    |    |    | 17 | 30 | 27 | 24 | 26 | 29 | 28 | 23 | 18 | 12 | 8  | 6  | 3           | 19 |
| 05 67 UC A                             |            |    |    |    |    |    |    |    | 21 | 35 | 32 | 29 | 31 | 33 | 32 | 26 | 20 | 14 | 9  | 7  | 4           | 22 |
| 05 67 A A                              |            |    |    |    |    |    |    |    | 22 | 36 | 33 | 29 | 31 | 34 | 32 | 27 | 21 | 15 | 10 | 7  | 4           | 22 |
| 05 68 UC *                             |            | 3  |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 05 68 U A                              |            | 12 |    | 34 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 05 73 MCR                              |            |    |    |    |    |    |    |    | 28 |    | 19 |    | 16 |    |    |    |    |    | 8  |    |             | 15 |
| 05 73 TC R                             |            |    |    |    |    |    |    |    | 34 |    | 28 |    | 20 |    |    |    |    |    | 10 |    |             | 20 |
| 05 73 A R                              |            |    |    |    |    |    |    |    | 34 |    | 28 |    | 20 |    |    |    |    |    | 10 |    |             | 20 |
| 05 73 MCU                              |            |    |    |    |    |    |    |    | 34 |    | 24 |    | 19 |    |    |    |    |    | 9  |    |             | 18 |
| 05 73 TC U                             |            |    |    |    |    |    |    |    | 39 |    | 33 |    | 23 |    |    |    |    |    | 11 |    |             | 22 |
| 05 73 A U                              |            |    |    |    |    |    |    |    | 39 |    | 33 |    | 24 |    |    |    |    |    | 11 |    |             | 23 |
| 06 73 MCR                              |            |    |    |    |    |    |    |    | 30 |    | 30 |    | 23 |    |    |    |    |    | 9  |    |             | 20 |
| 06 73 TC R                             |            |    |    |    |    |    |    |    | 35 |    | 34 |    | 25 |    |    |    |    |    | 9  |    |             | 22 |
| 06 73 A R                              |            |    |    |    |    |    |    |    | 35 |    | 34 |    | 25 |    |    |    |    |    | 9  |    |             | 22 |
| 06 73 MCU                              |            |    |    |    |    |    |    |    | 34 |    | 35 |    | 28 |    |    |    |    |    | 10 |    |             | 23 |
| 06 73 TC U                             |            |    |    |    |    |    |    |    | 40 |    | 39 |    | 30 |    |    |    |    |    | 11 |    |             | 25 |
| 06 73 A U                              |            |    |    |    |    |    |    |    | 40 |    | 39 |    | 30 |    |    |    |    |    | 11 |    |             | 25 |
| 06 75 A *                              |            | 4  |    | 15 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 06 75 A R                              |            | 7  |    | 22 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 06 81 U R                              |            |    |    |    |    |    |    |    | 21 | 25 | 22 | 21 | 23 | 21 | 17 | 12 |    |    |    |    |             | 20 |
| 06 81 U A                              |            |    |    |    |    |    |    |    | 36 | 39 | 34 | 27 | 30 | 22 | 16 |    |    |    |    |    |             | 28 |
| 06 84 UC R                             |            |    |    |    |    |    |    |    | 34 | 40 | 34 | 29 | 35 | 40 | 35 | 32 | 24 | 17 | 14 | 8  | 7           | 5  |
| 06 84 A R                              |            |    |    |    |    |    |    |    | 34 | 40 | 34 | 29 | 35 | 40 | 35 | 32 | 24 | 17 | 14 | 8  | 7           | 5  |
| 06 84 U U                              |            |    |    |    |    |    |    |    | 35 | 40 | 34 | 29 | 35 | 40 | 35 | 32 | 25 | 18 | 14 | 9  | 7           | 6  |
| 07 68 UC *                             |            | 2  |    | 13 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 07 68 U A                              |            | 10 |    | 32 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 07 76 UC *                             |            |    | 22 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 07 76 UC A                             |            |    | 35 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 08 68 UC *                             |            | 5  |    | 10 |    | 26 |    | 28 |    |    |    |    |    |    |    |    |    |    |    |    |             | 19 |
| 08 68 U R                              |            | 4  |    | 10 |    | 26 |    | 27 |    |    |    |    |    |    |    |    |    |    |    |    |             | 18 |
| 08 68 U A                              |            | 9  |    | 28 |    | 45 |    | 43 |    |    |    |    |    |    |    |    |    |    |    |    |             | 33 |
| 08 68* UC A                            |            | 5  |    | 18 |    | 39 |    | 42 |    |    |    |    |    |    |    |    |    |    |    |    |             | 28 |
| 08 84 UC R                             |            |    |    |    |    |    |    |    | 23 | 34 | 35 | 29 | 26 | 36 | 33 | 31 | 26 | 18 | 15 | 10 | 6           | 5  |
| 08 84 A R                              |            |    |    |    |    |    |    |    | 23 | 34 | 35 | 29 | 26 | 36 | 33 | 31 | 26 | 19 | 15 | 10 | 6           | 5  |
| 08 84 U U                              |            |    |    |    |    |    |    |    | 23 | 35 | 35 | 29 | 26 | 36 | 33 | 32 | 27 | 19 | 15 | 10 | 6           | 5  |
| 09 67 UC R                             |            |    |    |    |    |    |    |    | 11 | 26 | 25 | 22 | 23 | 25 | 26 | 23 | 18 | 14 | 9  | 5  | 3           | 17 |
| 09 67 A R                              |            |    |    |    |    |    |    |    | 12 | 27 | 26 | 23 | 24 | 26 | 27 | 24 | 19 | 14 | 9  | 5  | 3           | 18 |
| 09 67 UC A                             |            |    |    |    |    |    |    |    | 15 | 32 | 32 | 28 | 27 | 30 | 31 | 28 | 22 | 16 | 11 | 6  | 3           | 21 |
| 09 67 A A                              |            |    |    |    |    |    |    |    | 15 | 33 | 32 | 28 | 28 | 30 | 31 | 28 | 22 | 17 | 11 | 7  | 4           | 21 |
| 09 73 MCR                              |            |    |    |    |    |    |    |    | 21 |    |    |    |    |    |    |    |    |    | 7  |    |             | 16 |
| 09 73 TC R                             |            |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    | 9  |    |             | 18 |
| 09 73 MCA                              |            |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    | 8  |    |             | 19 |
| 09 73 TC A                             |            |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    | 9  |    |             | 19 |
| 09 73 A A                              |            |    |    |    |    |    |    |    | 25 |    |    |    |    |    |    |    |    |    | 9  |    |             | 19 |
| 09 78 U R                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 20 |    |    |    |             |    |
| 09 78 MCA                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 22 |    |    |    |             |    |
| 09 78 U A                              |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 38 | 33 | 29 | 9  |             | 26 |
| 09 81 U R                              |            |    |    |    |    |    |    |    |    | 12 | 21 | 20 | 17 | 19 | 17 | 11 |    |    |    |    |             | 18 |
| 09 81 U A                              |            |    |    |    |    |    |    |    |    | 23 | 35 | 35 | 26 | 25 | 23 | 15 |    |    |    |    |             | 26 |

**Table 4M** (*continued from p. 44*)  
Prevalence of smoking, males

**Germany (continued/3)**

| Year | Source | Product | Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All ages |    |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|
|      |        |         |           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75       |    |
| 10   | 75     | A *     |           | 2          |    | 10 |    |    |    |    |    | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -        |    |
| 10   | 75     | A R     |           | 3          |    | 15 |    |    |    |    |    | 24 | 29 | 34 | 39 | 44 | 49 | 54 | 59 | 64 | 69 | 74 | 79       |    |
| 10   | 77     | U *     |           | 1          |    | 9  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 6  |
| 10   | 77     | U R     |           | 1          |    | 13 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 8  |
| 10   | 77     | U A     |           | 1          | 4  | 7  | 13 | 23 | 38 |    |    |    |    |    |    |    |    |    |    |    |    |    | 12       |    |
| 10   | 78     | U R     |           |            |    |    |    |    |    |    |    | 31 |    |    |    |    |    |    |    |    |    |    |          |    |
| 10   | 78     | U A     |           |            |    |    |    |    |    |    |    | 42 |    | 44 |    | 34 |    | 14 |    |    |    |    |          | 34 |
| 10   | 79     | TC R    |           |            |    |    |    |    |    |    |    | 27 | 38 | 33 |    | 32 | 18 |    | 11 |    | *  |    |          | 26 |
| 10   | 80     | U R     |           |            |    |    |    |    |    |    |    | 34 |    | 32 |    | 26 |    | 10 |    |    |    |    |          | 26 |
| 10   | 80     | U A     |           |            |    |    |    |    |    |    |    | 47 |    | 40 |    | 30 |    | 12 |    |    |    |    |          | 33 |
| 10   | 82     | UC *    |           | 3          |    | 16 |    | 23 | 27 |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |
| 10   | 82     | U R     |           | 2          |    | 13 |    | 22 | 28 |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |
| 10   | 82     | U A     |           | 7          |    | 28 |    | 40 | 42 |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 31 |
| 10   | 82*    | U A     |           | 4          |    | 20 |    | 34 | 38 |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |
| 10   | 84     | UC R    |           |            |    |    |    | 20 | 35 | 42 | 39 | 40 | 37 | 37 | 39 | 32 | 27 | 17 | 11 | 11 | 7  | 29 |          |    |
| 10   | 84     | A R     |           |            |    |    |    | 20 | 35 | 43 | 39 | 40 | 38 | 39 | 40 | 34 | 29 | 20 | 12 | 12 | 7  | 30 |          |    |
| 10   | 84     | U U     |           |            |    |    |    | 21 | 35 | 43 | 39 | 40 | 38 | 39 | 40 | 34 | 29 | 20 | 12 | 12 | 7  | 31 |          |    |
| 11   | 68     | UC *    |           |            | 5  |    |    | 23 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |
| 11   | 68     | U A     |           |            | 5  |    | 24 |    | 35 | 39 |    |    |    |    |    |    |    |    |    |    |    |    |          | 27 |
| 11   | 76     | UC *    |           |            |    | 20 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |
| 11   | 76     | UC A    |           |            |    | 35 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |
| 12   | 73     | MC R    |           |            |    |    |    | 28 |    |    |    | 34 |    |    | 35 |    |    | 12 |    |    |    |    |          | 25 |
| 12   | 73     | TC R    |           |            |    |    |    | 34 |    |    |    | 39 |    |    | 39 |    |    | 14 |    |    |    |    |          | 29 |
| 12   | 73     | A R     |           |            |    |    |    | 34 |    |    |    | 39 |    |    | 39 |    |    | 15 |    |    |    |    |          | 29 |
| 12   | 73     | MC A    |           |            |    |    |    | 31 |    |    |    | 37 |    |    | 37 |    |    | 13 |    |    |    |    |          | 28 |
| 12   | 73     | TC A    |           |            |    |    |    | 34 |    |    |    | 41 |    |    | 41 |    |    | 14 |    |    |    |    |          | 30 |
| 12   | 73     | A A     |           |            |    |    |    | 36 |    |    |    | 41 |    |    | 41 |    |    | 16 |    |    |    |    |          | 31 |
| 12   | 78     | U A     |           |            |    |    |    | 39 |    |    |    | 39 |    |    | 33 |    |    | 15 |    |    |    |    |          | 31 |
| 12   | 81     | U R     |           |            |    |    |    | 14 | 24 | 31 |    | 31 |    | 25 |    | 24 | 21 |    |    |    |    |    |          | 25 |
| 12   | 81     | U A     |           |            |    |    |    | 28 | 37 | 43 |    | 42 |    | 32 |    | 29 | 26 |    |    |    |    |    |          | 34 |
| 12   | 82     | UC *    |           |            | 5  |    |    | 22 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |
| 12   | 82     | U A     |           |            | 5  |    | 24 |    | 36 | 39 |    |    |    |    |    |    |    |    |    |    |    |    |          | 27 |
| 12   | 84     | UC R    |           |            |    |    |    | 19 | 37 | 40 | 38 | 40 | 37 | 38 | 37 | 33 | 26 | 20 | 12 | 9  | 9  | 29 |          |    |
| 12   | 84     | A R     |           |            |    |    |    | 19 | 37 | 41 | 38 | 41 | 38 | 39 | 39 | 35 | 28 | 22 | 14 | 10 | 9  | 31 |          |    |
| 12   | 84     | U U     |           |            |    |    |    | 19 | 37 | 41 | 38 | 41 | 38 | 40 | 39 | 35 | 28 | 22 | 14 | 10 | 10 | 31 |          |    |
| 13   | 67     | UC R    |           |            |    |    |    | 12 |    |    |    | 28 | 34 | 35 | 32 | 31 | 30 | 30 | 26 | 21 | 14 | 9  | 5        | 23 |
| 13   | 67     | A R     |           |            |    |    |    | 13 |    |    |    | 29 | 35 | 36 | 34 | 32 | 32 | 29 | 23 | 16 | 11 | 6  | 25       |    |
| 13   | 67     | UC A    |           |            |    |    |    | 15 |    |    |    | 34 | 40 | 41 | 38 | 35 | 34 | 33 | 30 | 24 | 16 | 11 | 6        | 27 |
| 13   | 67     | A A     |           |            |    |    |    | 16 |    |    |    | 35 | 41 | 42 | 39 | 37 | 36 | 35 | 32 | 26 | 19 | 13 | 8        | 29 |
| 14   | 75     | A *     |           | 1          |    | 9  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |
| 14   | 75     | A R     |           | 3          |    | 13 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |
| 14   | 82     | U A     |           | 6          |    | 20 |    | 34 | 34 |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 25 |
| 14   | 83     | UC *    |           | 5          |    |    | 29 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |
| 14   | 83     | U A     |           | 12         |    |    | 43 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |
| 14   | 84     | UC R    |           |            |    |    |    | 24 | 34 | 38 | 37 | 35 | 35 | 33 | 35 | 36 | 29 | 21 | 11 | 7  | 6  | 28 |          |    |
| 14   | 84     | A R     |           |            |    |    |    | 24 | 36 | 39 | 37 | 36 | 37 | 34 | 36 | 38 | 32 | 23 | 12 | 9  | 6  | 30 |          |    |
| 14   | 84     | U U     |           |            |    |    |    | 25 | 36 | 39 | 37 | 36 | 37 | 35 | 36 | 38 | 32 | 23 | 12 | 10 | 7  | 30 |          |    |
| 15   | 68     | U A     |           | 8          |    |    |    | 28 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 20 |
| 15   | 69     | UC *    |           | 3          |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |
| 15   | 69     | U A     |           | 9          |    |    |    | 33 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |

Source: see *Notes on sources of survey data*, p. 90  
 Product: MC = manufactured cigarettes  
 TC = total cigarettes (including hand-rolled)  
 UC = cigarettes (type unspecified)  
 A = all products  
 Frequency: A = all smokers (including occasional)  
 R = regular or daily smokers  
 U = unspecified  
 \* = refer to *Notes on sources of survey data*, p. 90  
 All ages: relates to ages reported; as given in original source

**Table 4F** (continued from p. 45)  
Prevalence of smoking, females

**Germany (continued/3)**

| Year<br>Source<br>Product<br>Frequency | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |    |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|----|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80+         |    |
| 10 75 A *                              | 1          |    | 10 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 10 75 A R                              |            | 3  |    | 15 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 10 77 U *                              | 1          |    | 9  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 5  |
| 10 77 U R                              |            | 1  |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 7  |
| 10 77 U A                              | 2          | 5  | 7  | 17 | 22 | 31 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 12 |
| 10 78 U R                              |            |    |    |    |    |    | 27 |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 10 78 U A                              |            |    |    |    |    |    | 36 |    |    |    | 35 |    |    | 30 |    |    |    | 9  |    |    |             | 26 |
| 10 79 TC R                             |            |    |    |    |    |    | 24 |    | 28 |    | 26 |    |    | 27 |    | 20 |    | 9  |    | *  |             | 20 |
| 10 80 U R                              |            |    |    |    |    |    | 30 |    |    | 25 |    |    | 23 |    |    |    |    | 7  |    |    |             | 21 |
| 10 80 U A                              |            |    |    |    |    |    | 40 |    |    | 31 |    |    | 28 |    |    |    |    | 9  |    |    |             | 27 |
| 10 82 UC *                             | 3          |    | 9  |    | 16 |    | 27 |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 10 82 U R                              |            | 2  |    | 8  |    | 16 |    | 26 |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 10 82 U A                              |            | 7  |    | 21 |    | 31 |    | 41 |    |    |    |    |    |    |    |    |    |    |    |    |             | 26 |
| 10 82* U A                             |            | 3  |    | 13 |    | 25 |    | 38 |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 10 84 UC R                             |            |    |    |    | 17 | 29 | 34 | 31 | 21 | 32 | 37 | 30 | 28 | 20 | 13 | 10 | 5  | 5  |    |    | 23          |    |
| 10 84 A R                              |            |    |    |    | 17 | 29 | 34 | 31 | 21 | 32 | 37 | 30 | 28 | 20 | 13 | 11 | 5  | 5  |    |    | 23          |    |
| 10 84 U U                              |            |    |    |    | 18 | 30 | 34 | 31 | 21 | 32 | 37 | 30 | 28 | 21 | 14 | 12 | 5  | 5  |    |    | 24          |    |
| 11 68 UC *                             |            | 5  |    | 23 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 11 68 U A                              |            | 6  |    | 26 |    | 34 |    | 39 |    |    |    |    |    |    |    |    |    |    |    |    |             | 27 |
| 11 76 UC *                             |            |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 11 76 UC A                             |            |    | 31 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 12 73 MCR                              |            |    |    |    | 11 |    |    |    | 22 |    |    | 24 |    |    |    |    |    | 10 |    |    |             | 16 |
| 12 73 TC R                             |            |    |    |    | 19 |    |    |    | 24 |    |    | 28 |    |    |    |    |    | 11 |    |    |             | 19 |
| 12 73 A R                              |            |    |    |    | 19 |    |    |    | 24 |    |    | 28 |    |    |    |    |    | 11 |    |    |             | 19 |
| 12 73 MCA                              |            |    |    |    | 12 |    |    |    | 26 |    |    | 26 |    |    |    |    |    | 11 |    |    |             | 18 |
| 12 73 TCA                              |            |    |    |    | 20 |    |    |    | 27 |    |    | 30 |    |    |    |    |    | 12 |    |    |             | 21 |
| 12 73 A A                              |            |    |    |    | 21 |    |    |    | 29 |    |    | 32 |    |    |    |    |    | 12 |    |    |             | 22 |
| 12 78 U A                              |            |    |    |    | 30 |    |    |    | 32 |    |    | 28 |    |    |    |    |    | 9  |    |    |             | 24 |
| 12 81 U R                              |            |    |    |    | 8  | 18 | 20 |    | 17 |    | 21 |    | 22 |    | 12 |    |    |    |    |    |             | 19 |
| 12 81 U A                              |            |    |    |    | 20 | 30 | 30 |    | 26 |    | 28 |    | 28 |    | 17 |    |    |    |    |    |             | 26 |
| 12 82 UC *                             |            | 4  |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 12 82 U A                              |            | 8  |    | 22 |    | 31 |    | 34 |    |    |    |    |    |    |    |    |    |    |    |    |             | 25 |
| 12 84 UC R                             |            |    |    |    | 16 | 28 | 30 | 31 | 27 | 29 | 37 | 32 | 29 | 22 | 16 | 12 | 8  | 4  |    |    | 24          |    |
| 12 84 A R                              |            |    |    |    | 16 | 28 | 30 | 31 | 27 | 29 | 37 | 32 | 30 | 22 | 16 | 12 | 8  | 4  |    |    | 24          |    |
| 12 84 U U                              |            |    |    |    | 16 | 28 | 30 | 31 | 27 | 29 | 37 | 32 | 30 | 22 | 16 | 12 | 8  | 4  |    |    | 24          |    |
| 13 67 UC R                             |            |    |    |    | 8  |    |    |    | 21 | 25 | 23 | 21 | 23 | 24 | 24 | 21 | 15 | 11 | 6  | 3  |             | 16 |
| 13 67 A R                              |            |    |    |    | 9  |    |    |    | 22 | 26 | 24 | 22 | 24 | 25 | 25 | 22 | 15 | 11 | 7  | 3  |             | 17 |
| 13 67 UC A                             |            |    |    |    | 11 |    |    |    | 26 | 30 | 29 | 26 | 27 | 29 | 28 | 25 | 18 | 13 | 8  | 4  |             | 20 |
| 13 67 A A                              |            |    |    |    | 11 |    |    |    | 26 | 31 | 29 | 26 | 27 | 29 | 29 | 26 | 18 | 13 | 8  | 4  |             | 20 |
| 14 75 A *                              | 2          |    | 10 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 14 75 A R                              | 4          |    | 15 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 14 82 U A                              | 4          |    | 19 |    | 25 |    | 28 |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 19 |
| 14 83 UC *                             |            | 5  |    | 23 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 14 83 U A                              |            | 12 |    | 36 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 14 84 UC R                             |            |    |    |    | 15 | 23 | 27 | 28 | 27 | 27 | 32 | 30 | 30 | 25 | 16 | 12 | 8  | 3  |    |    | 23          |    |
| 14 84 A R                              |            |    |    |    | 15 | 23 | 27 | 28 | 27 | 27 | 32 | 31 | 30 | 25 | 16 | 13 | 8  | 3  |    |    | 23          |    |
| 14 84 U U                              |            |    |    |    | 15 | 24 | 27 | 28 | 28 | 27 | 33 | 31 | 30 | 25 | 16 | 14 | 8  | 4  |    |    | 24          |    |
| 15 68 U A                              |            | 8  |    | 24 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | 18 |
| 15 69 UC *                             |            | 4  |    | 14 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |
| 15 69 U A                              |            | 10 |    | 26 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |

Source: see *Notes on sources of survey data*, p. 90  
 Product: MC = manufactured cigarettes  
 TC = total cigarettes (including hand-rolled)  
 UC = cigarettes (type unspecified)  
 A = all products  
 Frequency: A = all smokers (including occasional)  
 R = regular or daily smokers  
 U = unspecified  
 \* = refer to *Notes on sources of survey data*, p. 90  
 All ages: relates to ages reported; as given in original source

**Table 5M** Number of cigarettes smoked per smoker per day, males:  
selected surveys by age  
(continues on p. 50)

**West Germany**

| Year | Source | Product | Estimated | Age Groups |     |     |     |    |    |    |     |    |    |    |    |    |    |    |     |    |    |    |    | All ages |  |  |  |
|------|--------|---------|-----------|------------|-----|-----|-----|----|----|----|-----|----|----|----|----|----|----|----|-----|----|----|----|----|----------|--|--|--|
|      |        |         |           | 12         | 13  | 14  | 15  | 16 | 17 | 18 | 19  | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55  | 60 | 65 | 70 | 75 | 80+      |  |  |  |
| 65   | 28     | UC E    |           |            |     |     |     |    |    |    | 6.8 | -  | -  | -  | -  | -  | -  | -  | -   | -  | -  | -  | -  |          |  |  |  |
| 65   | 29     | UC E    |           |            |     |     |     |    |    |    | 6.8 | -  | -  | -  | -  | -  | -  | -  | -   | -  | -  | -  | -  |          |  |  |  |
| 66   | 30     | UC E    |           | 3.7        | 4.8 | 7.2 | 8.4 |    |    |    |     |    |    |    |    |    |    |    |     |    |    |    |    |          |  |  |  |
| 67   | 5      | MC      |           |            |     |     |     |    |    |    |     |    |    |    |    |    | 14 |    |     |    |    |    |    |          |  |  |  |
| 70   | 8      | UC E*   |           |            |     | 2.1 |     |    |    |    |     |    |    |    |    |    |    |    |     |    |    |    |    |          |  |  |  |
| 73   | 32     | UC      |           |            |     | 12  |     |    |    |    |     |    |    |    |    |    |    |    |     |    |    |    |    |          |  |  |  |
| 74   | 5      | MC      |           |            |     |     |     |    |    |    |     |    |    |    |    |    | 20 |    |     |    |    |    |    |          |  |  |  |
| 74   | 33     | A       |           |            |     | 13  |     |    |    |    |     |    |    |    |    |    |    |    |     |    |    |    |    |          |  |  |  |
| 75   | 18     | UC      |           |            |     | 12  |     |    |    |    |     |    |    |    |    |    |    |    |     |    |    |    |    |          |  |  |  |
| 78   | 34     | UC      |           |            |     |     |     |    |    |    |     | 20 |    |    |    |    |    |    |     |    |    |    |    |          |  |  |  |
| 78   | 67     | UC E    | *         |            | 14  | 15  | 17  | 19 | 20 |    | 20  |    | 20 |    | 18 |    | 17 |    | 16  |    | 18 |    |    |          |  |  |  |
| 79   | 35     | UC E*   |           | 2.5        | 2.1 | 3.1 |     |    |    |    |     |    |    |    |    |    |    |    |     |    |    |    |    |          |  |  |  |
| 80   | 81     | UC E*   |           |            |     | 18  |     |    |    |    |     |    |    |    |    |    |    |    |     |    |    |    |    |          |  |  |  |
| 81   | 1      | TC      |           |            |     | 16  |     | 19 | 27 | 21 | 17  |    | 17 |    |    |    | 17 |    |     | 20 |    |    |    |          |  |  |  |
| 84   | 4      | TC E    |           |            |     |     |     |    | 21 |    |     |    |    |    |    |    |    |    |     |    |    |    |    |          |  |  |  |
| 84   | 23     | UC      |           |            |     |     |     | 21 | 24 | 23 | 17  |    |    |    |    |    |    |    |     |    | 22 |    |    |          |  |  |  |
| 85   | 5      | MC      |           |            |     |     |     |    |    |    | 22  |    |    |    |    |    |    |    |     |    |    |    |    |          |  |  |  |
| 85   | 24     | UC      |           |            |     |     |     | 19 | 21 | 18 | 18  |    |    |    |    |    |    |    |     |    | 19 |    |    |          |  |  |  |
| 85   | 25     | UC      |           |            |     |     |     | 21 | 24 | 21 | 16  |    |    |    |    |    |    |    |     |    | 21 |    |    |          |  |  |  |
| 85   | 26     | UC      |           |            |     |     |     | 20 | 23 | 21 | 17  |    |    |    |    |    |    |    |     |    | 21 |    |    |          |  |  |  |
| 85   | 37     | UC      |           |            |     |     |     | 18 | 22 | 20 | 17  |    |    |    |    |    |    |    |     |    | 20 |    |    |          |  |  |  |
| 86   | 81     | UC E*   |           |            | 18  |     |     |    |    |    |     |    |    |    |    |    |    |    |     |    |    |    |    |          |  |  |  |
| 87   | 72     | UC E    |           |            | 17  |     |     | 19 |    | 19 |     |    |    |    |    |    | 17 |    |     |    | 18 |    |    |          |  |  |  |
| 88   | 23*    | UC      |           |            |     |     |     | 20 | 22 | 21 | 19  |    |    |    |    |    |    |    |     |    | 21 |    |    |          |  |  |  |
| 88   | 36     | UC E    |           |            |     |     |     | 19 | 21 | 21 | 19  |    |    |    |    |    |    |    |     |    |    |    |    |          |  |  |  |
| 88   | 72     | TC E    |           |            | 15  |     |     | 20 |    | 22 |     |    |    |    |    |    | 18 |    |     |    |    |    |    |          |  |  |  |
| 89   | 67     | UC      | *         |            | 14  | 15  | 17  | 18 | 19 | 19 | 19  | 19 | 18 | 18 | 16 | 15 | 15 | 14 |     |    |    |    |    |          |  |  |  |
| 89   | 72     | TC E    |           |            | 12  |     |     | 19 |    | 19 |     |    |    |    |    |    |    |    |     | 14 |    |    |    |          |  |  |  |
| 90   | 25     | UC      |           |            |     |     |     | 21 | 23 | 20 | 17  |    |    |    |    |    |    |    |     |    | 21 |    |    |          |  |  |  |
| 90   | 26     | UC      |           |            |     |     |     | 18 | 23 | 22 | 17  |    |    |    |    |    |    |    |     |    | 21 |    |    |          |  |  |  |
| 90   | 36     | UC      |           |            |     |     |     | 19 | 20 | 22 | 19  | 14 |    |    |    |    |    |    |     |    | 19 |    |    |          |  |  |  |
| 90   | 72     | TC E    |           |            | 16  |     |     | 18 |    | 20 |     |    |    |    |    |    |    |    |     | 16 |    |    |    |          |  |  |  |
| 90   | 81     | UC E*   |           |            | 17  |     |     | 16 |    |    |     |    |    |    |    |    |    |    |     |    |    |    |    |          |  |  |  |
| 91   | 23*    | UC      |           |            |     |     |     | 19 | 21 | 23 | 20  |    |    |    |    |    |    |    |     |    | 21 |    |    |          |  |  |  |
| 91   | 39     | UC E*   |           | 13         |     |     |     |    |    |    |     |    |    |    |    |    |    |    |     |    |    |    |    |          |  |  |  |
| 91   | 72     | TC E    |           |            |     | 18  |     |    | 21 |    | 20  |    |    |    |    |    |    |    |     |    | 16 |    |    |          |  |  |  |
| 92   | 67     | UC      | *         |            | 14  | 15  | 16  | 18 | 19 | 19 | 19  | 19 | 19 | 18 | 16 | 15 | 15 | 14 |     |    |    |    |    |          |  |  |  |
| 92   | 72     | TC E    |           |            | 17  |     |     | 21 |    | 19 |     |    |    |    |    |    |    |    |     | 19 |    |    |    |          |  |  |  |
| 93   | 68     | UC      |           |            | 15  |     |     |    |    |    |     |    |    |    |    |    |    |    |     |    |    |    |    |          |  |  |  |
| 94   | 42     | UC E*   |           | 10         |     |     |     |    |    |    |     |    |    |    |    |    |    |    |     |    |    |    |    |          |  |  |  |
| 94   | 72     | TC E    |           |            |     | 16  |     |    | 19 |    | 21  |    |    |    |    |    |    |    |     |    | 14 |    |    |          |  |  |  |
| 94   | 73     | TC E    |           |            |     | 16  |     |    | 19 |    | 21  |    |    |    |    |    |    |    |     |    | 14 |    |    |          |  |  |  |
| 95   | 25     | UC      |           |            |     |     |     | 21 | 21 | 22 | 19  |    |    |    |    |    |    |    |     |    | 20 |    |    |          |  |  |  |
| 95   | 26     | UC      |           |            |     |     |     | 18 | 19 | 20 | 18  |    |    |    |    |    |    |    |     |    | 19 |    |    |          |  |  |  |
| 95   | 73     | TC E    |           |            | 16  |     |     | 20 |    | 23 |     |    |    |    |    |    |    |    |     |    | 20 |    |    |          |  |  |  |
| 95   | 81     | UC E*   |           |            | 19  |     |     | 20 |    |    | 21  |    |    |    |    |    |    |    |     |    |    |    |    |          |  |  |  |
| 97   | 81     | UC E*   |           |            | 17  |     |     | 20 |    |    | 21  |    |    |    |    |    |    |    |     |    |    |    |    |          |  |  |  |
| 98   | 70     | UC      |           |            | 15  | 18  | 18  | 21 |    | 23 | 21  |    |    |    |    |    |    |    |     | 19 | 15 | 15 | 20 |          |  |  |  |
| 98   | 75     | UC      |           | 1.4        | 4.2 |     |     |    |    |    |     |    |    |    |    |    |    |    |     |    |    |    |    |          |  |  |  |
| 98   | 84     | UC      |           |            |     | 13  | 16  | 18 | 18 | 19 | 23  | 22 | 19 | 20 | 19 | 15 | 13 | 18 | 9.6 | 19 |    |    |    |          |  |  |  |

**Table 5F** Number of cigarettes smoked per smoker per day, females:  
selected surveys by age  
(continues on p. 51)

**West Germany**

| Year<br>Source<br>Product<br>Estimated | Age Groups |     |     |    |     |    |    |    |     |     |    |    |    |     |     |     |    |    |    |    | All<br>ages |    |  |
|--|------------|-----|-----|----|-----|----|----|----|-----|-----|----|----|----|-----|-----|-----|----|----|----|----|-------------|----|--|
|  | 12         | 13  | 14  | 15 | 16  | 17 | 18 | 19 | 20  | 25  | 30 | 35 | 40 | 45  | 50  | 55  | 60 | 65 | 70 | 75 | 80+         |    |  |
| 65 28 UC E                             |            |     |     |    |     |    |    |    | 2.9 |     |    |    |    |     |     |     |    |    |    |    |             |    |  |
| 65 29 UC E                             |            |     |     |    |     |    |    |    |     | 1.9 |    |    |    |     |     |     |    |    |    |    |             |    |  |
| 66 30 UC E                             | 3.3        | 3.8 | 3.9 |    | 3.8 |    |    |    |     |     |    |    |    |     |     |     |    |    |    |    |             |    |  |
| 67 5 MC                                |            |     |     |    |     |    |    |    |     |     |    |    |    |     |     |     | 10 |    |    |    |             |    |  |
| 70 8 UC E                              |            |     |     |    |     |    |    |    |     |     |    |    |    |     |     |     |    |    |    |    |             |    |  |
| 73 32 UC                               |            |     |     |    |     |    |    |    | 7   |     |    |    |    |     |     |     |    |    |    |    |             |    |  |
| 74 5 MC                                |            |     |     |    |     |    |    |    |     |     |    |    |    |     |     |     |    | 12 |    |    |             |    |  |
| 74 33 A                                |            |     |     |    |     |    |    |    | 9.5 |     |    |    |    |     |     |     |    |    |    |    |             |    |  |
| 75 18 UC                               |            |     |     |    |     |    |    |    |     | 8.6 |    |    |    |     |     |     |    |    |    |    |             |    |  |
| 78 34 UC                               |            |     |     |    |     |    |    |    |     |     | 16 |    |    |     |     |     |    |    |    |    |             |    |  |
| 78 67 UC E                             | *          |     | 13  | 13 | 14  | 15 |    |    | 15  |     |    | 15 |    |     | 14  | 13  |    | 13 |    |    |             | 14 |  |
| 79 35 UC E*                            | 1.6        | 2.7 | 2.5 |    |     |    |    |    |     |     |    |    |    |     |     |     |    |    |    |    |             |    |  |
| 80 81 UC E*                            |            |     |     |    |     |    |    |    | 15  |     |    |    |    |     |     |     |    |    |    |    |             |    |  |
| 81 1 TC                                |            |     |     |    |     |    |    |    | 14  |     |    | 15 |    | 17  | 21  | 19  | 14 | 12 |    |    |             | 17 |  |
| 84 4 TC E                              |            |     |     |    |     |    |    |    |     |     |    |    |    | 11  |     |     |    |    |    |    |             |    |  |
| 84 23 UC                               |            |     |     |    |     |    |    |    |     |     | 16 |    | 17 | 17  | 14  |     |    |    |    |    |             | 16 |  |
| 85 5 MC                                |            |     |     |    |     |    |    |    |     |     |    |    |    |     | 16  |     |    |    |    |    |             |    |  |
| 85 24 UC                               |            |     |     |    |     |    |    |    |     |     | 15 |    | 16 | 13  | 12  |     |    |    |    |    |             | 14 |  |
| 85 25 UC                               |            |     |     |    |     |    |    |    |     |     | 15 |    | 16 | 15  | 13  |     |    |    |    |    |             | 15 |  |
| 85 26 UC                               |            |     |     |    |     |    |    |    |     |     | 13 |    | 14 | 15  | 12  |     |    |    |    |    |             | 14 |  |
| 85 37 UC                               |            |     |     |    |     |    |    |    |     |     | 15 |    | 15 | 13  | 11  |     |    |    |    |    |             | 14 |  |
| 86 81 UC E*                            |            |     |     |    |     |    |    |    | 14  |     |    |    |    |     |     |     |    |    |    |    |             |    |  |
| 87 72 UC E                             |            |     |     |    |     |    |    |    | 17  |     |    | 14 |    | 20  |     |     |    | 17 |    |    |             | 17 |  |
| 88 23* UC                              |            |     |     |    |     |    |    |    |     | 15  |    | 17 | 15 | 12  |     |     |    |    |    |    |             | 15 |  |
| 88 36 UC E                             |            |     |     |    |     |    |    |    |     |     |    |    |    |     |     |     |    |    |    |    |             |    |  |
| 88 72 TC E                             |            |     |     |    |     |    |    |    | 14  |     |    | 17 |    | 17  |     |     |    | 13 |    |    |             | 15 |  |
| 89 67 UC                               | *          |     | 13  | 14 |     | 15 | 15 | 16 | 16  | 15  | 15 | 15 | 15 | 15  | 15  | 14  | 14 | 12 |    |    |             | 15 |  |
| 89 72 TC E                             |            |     | 16  |    |     |    |    |    | 12  |     |    | 16 |    |     |     |     |    | 18 |    |    |             | 15 |  |
| 90 25 UC                               |            |     |     |    |     |    |    |    |     | 15  |    | 18 | 15 | 14  |     |     |    |    |    |    |             | 16 |  |
| 90 26 UC                               |            |     |     |    |     |    |    |    |     | 14  |    | 15 | 16 | 9.9 |     |     |    |    |    |    |             | 14 |  |
| 90 36 UC                               |            |     |     |    |     |    |    |    |     | 16  | 15 | 18 | 15 | 9.6 |     |     |    |    |    |    |             | 16 |  |
| 90 72 TC E                             |            |     |     |    |     |    |    |    | 14  |     |    | 12 |    | 16  |     |     |    | 15 |    |    |             | 14 |  |
| 90 81 UC E*                            |            |     |     |    |     |    |    |    | 15  |     |    | 14 |    |     |     |     |    |    |    |    |             |    |  |
| 91 23* UC                              |            |     |     |    |     |    |    |    |     | 17  |    | 18 | 17 | 16  |     |     |    |    |    |    |             | 17 |  |
| 91 39 UC E*                            | 10         |     |     |    |     |    |    |    |     |     |    |    |    |     |     |     |    |    |    |    |             |    |  |
| 91 72 TC E                             |            |     | 16  |    |     |    |    |    |     | 17  |    | 16 |    |     |     |     |    | 15 |    |    |             | 16 |  |
| 92 67 UC                               | *          |     | 13  | 14 |     | 15 | 15 | 16 | 16  | 16  | 16 | 15 | 14 | 14  | 14  | 13  | 12 |    |    |    |             | 15 |  |
| 92 72 TC E                             |            |     | 15  |    |     |    |    |    | 16  |     |    | 18 |    |     |     |     |    | 12 |    |    |             | 15 |  |
| 93 68 UC                               |            |     | 14  |    |     |    |    |    |     |     |    |    |    |     |     |     |    |    |    |    |             |    |  |
| 94 42 UC E*                            | 9.0        |     |     |    |     |    |    |    |     |     |    |    |    |     |     |     |    |    |    |    |             |    |  |
| 94 72 TC E                             |            |     | 15  |    |     |    |    |    |     | 15  |    |    | 17 |     |     |     |    | 12 |    |    |             | 15 |  |
| 94 73 TC E                             |            |     | 15  |    |     |    |    |    |     | 15  |    |    | 17 |     |     |     |    | 12 |    |    |             | 15 |  |
| 95 25 UC                               |            |     |     |    |     |    |    |    |     | 16  |    | 18 | 17 |     | 15  |     |    |    |    |    |             | 17 |  |
| 95 26 UC                               |            |     |     |    |     |    |    |    |     | 13  |    | 15 | 15 | 12  |     |     |    |    |    |    |             | 14 |  |
| 95 73 TC E                             |            |     | 11  |    |     |    |    |    |     | 17  |    | 20 |    |     |     |     |    | 12 |    |    |             | 16 |  |
| 95 81 UC E*                            |            |     | 15  |    |     |    |    |    |     | 18  |    |    | 17 |     |     |     |    |    |    |    |             |    |  |
| 97 81 UC E*                            |            |     | 14  |    |     |    |    |    |     | 17  |    |    | 16 |     |     |     |    |    |    |    |             |    |  |
| 98 70 UC                               |            |     | 14  | 14 | 17  |    |    |    | 19  |     | 17 |    | 17 |     | 17  | 9.2 |    |    |    |    |             | 16 |  |
| 98 75 UC                               | 1.3        | 2.9 |     |    |     |    |    |    |     |     |    |    |    |     |     |     |    |    |    |    |             |    |  |
| 98 84 UC                               |            |     | 11  | 16 | 14  | 15 | 18 | 16 | 17  | 15  | 15 | 13 | 15 | 12  | 9.8 | 13  | 15 |    |    |    |             |    |  |

**Table 5M** (*continued from p. 48, continues on p. 52*)  
 Number of cigarettes smoked per smoker per day, males

**West Germany (continued)**

| Year | Source | Product | Estimated | Age Groups |    |    |    |    |    |    |    |     |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |     |    |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|-------------|-----|----|
|      |        |         |           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20  | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80+         |     |    |
|      |        |         |           | -          | -  | -  | -  | -  | -  | -  | -  | -   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |             |     |    |
| 99   | 42     | UC E*   |           | 10         |    |    |    |    |    |    |    |     |    |    |    |    |    |    |    |    |    |    |    |             |     |    |
| 01   | 84     | UC      |           |            |    |    |    |    |    |    |    | 14  | 15 | 18 | 19 | 19 | 21 | 22 | 21 | 19 | 18 | 16 | 14 | 11          | 9.5 | 19 |
| 02   | 73     | TC E    |           |            |    |    |    |    |    |    |    | 16  |    |    |    |    | 19 |    |    |    |    |    |    |             |     | 17 |
| 02   | 84     | UC      |           |            |    |    |    |    |    |    |    | 12  | 14 | 17 | 19 | 19 | 21 | 22 | 22 | 18 | 19 | 18 | 13 | 11          | 8.3 | 19 |
| 04   | 84     | UC      |           |            |    |    |    |    |    |    |    | 11  | 14 | 16 | 17 | 18 | 20 | 21 | 20 | 19 | 17 | 17 | 15 | 12          | 12  | 18 |
| 05   | 73     | TC E    |           |            |    |    |    |    |    |    |    | 12  |    |    |    | 16 |    |    | 21 |    |    |    |    | 16          |     | 17 |
| 06   | 73     | TC E    |           |            |    |    |    |    |    |    |    | 10  |    |    |    | 12 |    |    | 16 |    |    |    |    | 15          |     | 14 |
| 06   | 84     | UC      |           |            |    |    |    |    |    |    |    | 11  | 15 | 15 | 16 | 17 | 18 | 21 | 21 | 18 | 18 | 16 | 14 | 14          | 13  | 17 |
| 08   | 84     | UC      |           |            |    |    |    |    |    |    |    | 11  | 13 | 15 | 17 | 18 | 18 | 19 | 22 | 18 | 18 | 20 | 17 | 16          | 7.9 | 17 |
| 09   | 73     | TC      |           |            |    |    |    |    |    |    |    | 13  |    |    |    | 14 |    |    | 17 |    |    |    |    | 15          |     | 15 |
| 10   | 84     | UC      |           |            |    |    |    |    |    |    |    | 12  | 13 | 15 | 17 | 14 | 19 | 19 | 22 | 19 | 18 | 17 | 18 | 16          | 11  | 17 |
| 12   | 73     | TC      |           |            |    |    |    |    |    |    |    | 12  |    |    |    | 15 |    |    | 20 |    |    |    |    | 18          |     | 17 |
| 12   | 84     | UC      |           |            |    |    |    |    |    |    |    | 7.6 | 12 | 14 | 14 | 15 | 17 | 19 | 20 | 20 | 17 | 17 | 19 | 16          | 10  | 17 |
| 14   | 84     | UC      |           |            |    |    |    |    |    |    |    | 9.9 | 13 | 13 | 16 | 16 | 16 | 18 | 18 | 18 | 17 | 18 | 14 | 15          | 11  | 16 |

**East Germany**

| Year | Source | Product | Estimated | Age Groups |    |    |    |    |    |    |    |     |     |    |    |    |    |    |    |    |    |    |    | All<br>ages |     |    |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|-----|-----|----|----|----|----|----|----|----|----|----|----|-------------|-----|----|
|      |        |         |           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20  | 25  | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80+         |     |    |
|      |        |         |           | -          | -  | -  | -  | -  | -  | -  | -  | -   | -   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |             |     |    |
| 69   | 44     | UC E    |           |            |    |    |    |    |    |    |    | 4.4 |     |    |    |    |    |    |    |    |    |    |    |             |     |    |
| 71   | 47     | A E     |           |            |    |    |    |    |    |    |    |     |     |    |    |    | 14 |    |    |    |    |    |    |             |     |    |
| 71   | 48     | A       |           |            |    |    |    |    |    |    |    |     |     |    |    |    | 15 |    |    |    |    |    |    |             |     |    |
| 73   | 48     | A       |           |            |    |    |    |    |    |    |    |     |     |    |    |    |    |    |    |    |    |    |    |             |     |    |
| 75   | 45     | UC E    |           |            |    |    |    |    |    |    |    | 11  |     |    |    |    |    |    |    |    |    |    |    |             |     |    |
| 78   | 53     | UC E    |           |            |    |    |    |    |    |    |    | 7.8 |     |    |    |    |    |    |    |    |    |    |    |             |     |    |
| 81   | 62     | UC      |           |            |    |    |    |    |    |    |    | 7.6 | 7.2 | *  |    |    |    |    |    |    |    |    |    |             | 7.5 |    |
| 82   | 55     | UC      |           |            |    |    |    |    |    |    |    | 2   | 3   | 5  | 5  |    |    |    |    |    |    |    |    |             |     |    |
| 83   | 54     | UC E    |           |            |    |    |    |    |    |    |    | 9.7 |     |    |    |    |    |    |    |    |    |    |    |             |     |    |
| 83   | 57     | UC      |           |            |    |    |    |    |    |    |    |     |     |    |    | 15 |    | 16 |    | 17 |    | 13 |    |             | 15  |    |
| 83   | 61     | UC      |           |            |    |    |    |    |    |    |    |     |     |    |    | 15 |    | 18 |    | 15 |    | 13 |    |             | 16  |    |
| 84   | 59     | UC      |           |            |    |    |    |    |    |    |    |     |     |    |    | 16 |    | 16 |    | 15 |    | 14 |    |             | 15  |    |
| 84   | 60     | UC      |           |            |    |    |    |    |    |    |    |     |     |    |    | 16 |    | 15 |    | 16 |    | 13 |    |             | 15  |    |
| 85   | 58     | UC      |           |            |    |    |    |    |    |    |    |     |     |    |    | 15 |    | 16 |    | 15 |    | 15 |    |             | 15  |    |
| 88   | 57     | UC      |           |            |    |    |    |    |    |    |    |     |     |    |    | 17 |    | 18 |    | 16 |    | 13 |    |             | 16  |    |
| 88   | 60     | UC      |           |            |    |    |    |    |    |    |    |     |     |    |    | 15 |    | 15 |    | 14 |    | 12 |    |             | 14  |    |
| 88   | 64     | UC E    |           |            |    |    |    |    |    |    |    | 6.4 |     | 14 |    | 15 |    | 18 |    | 15 |    | 15 |    | 10          |     |    |
| 89   | 58     | UC      |           |            |    |    |    |    |    |    |    |     |     |    |    | 15 |    | 18 |    | 17 |    | 14 |    |             | 17  |    |
| 89   | 59     | UC      |           |            |    |    |    |    |    |    |    |     |     |    |    | 16 |    | 17 |    | 15 |    | 12 |    |             | 15  |    |
| 90   | 72     | TC E    |           |            |    |    |    |    |    |    |    | 13  |     |    |    | 16 |    |    | 15 |    |    |    | 12 |             | 14  |    |
| 90   | 81     | UC E*   |           |            |    |    |    |    |    |    |    |     | 15  |    |    | 18 |    |    |    |    |    |    |    |             |     |    |
| 91   | 66     | UC      |           |            |    |    |    |    |    |    |    |     |     |    |    | 14 |    | 17 |    | 17 |    | 15 |    | 12          |     | 16 |
| 91   | 72     | TC E    |           |            |    |    |    |    |    |    |    | 11  |     |    |    | 15 |    |    | 16 |    |    |    |    |             |     | 14 |
| 92   | 67     | UC      | *         |            |    |    |    |    |    |    |    | 12  | 13  | 14 | 15 | 15 | 15 | 15 | 14 | 14 | 14 | 13 | 13 | 11          | 14  |    |
| 92   | 72     | TC E    |           |            |    |    |    |    |    |    |    | 10  |     |    |    | 15 |    |    | 15 |    |    |    |    |             |     | 14 |
| 92   | 81     | UC E*   |           |            |    |    |    |    |    |    |    |     | 15  |    |    | 18 |    |    |    |    |    |    |    |             |     |    |
| 93   | 57     | UC      |           |            |    |    |    |    |    |    |    |     |     |    |    | 17 |    | 18 |    | 17 |    | 16 |    |             | 17  |    |
| 93   | 68     | UC      |           |            |    |    |    |    |    |    |    | 15  |     |    |    |    |    |    |    |    |    |    |    |             |     |    |
| 94   | 72     | TC E    |           |            |    |    |    |    |    |    |    | 10  |     |    |    | 16 |    |    | 15 |    |    |    | 13 |             | 14  |    |
| 94   | 73     | TC E    |           |            |    |    |    |    |    |    |    | 10  |     |    |    | 16 |    |    | 15 |    |    |    | 13 |             | 14  |    |

**Table 5F** (*continued from p. 49, continues on p. 53*)  
Number of cigarettes smoked per smoker per day, females

**West Germany (continued)**

| Year<br>Source<br>Product<br>Estimated | Age Groups |    |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | All<br>ages |    |
|--|------------|----|-----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-------------|----|
|  | 12         | 13 | 14  | 15 | 16  | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75  | 80+         |    |
| 99 42 UC E*                            | 9.0        |    |     |    |     |    |    |    | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   |             |    |
| 01 84 UC                               |            |    | 11  |    | 13  | 14 | 14 | 17 |    | 17 | 17 | 17 |    | 16 | 15 | 13 | 13 | 13 | 15 |     | 15          |    |
| 02 73 TC E                             |            |    | 13  |    |     | 16 |    |    |    |    | 15 |    |    |    |    | 13 |    |    |    |     |             | 14 |
| 02 84 UC                               |            |    | 10  |    | 13  | 16 | 14 | 16 |    | 17 | 17 | 16 |    | 17 | 16 | 14 | 13 | 17 | 11 |     | 15          |    |
| 04 84 UC                               |            |    | 10  |    | 12  | 14 | 14 | 15 |    | 16 | 15 | 18 |    | 16 | 16 | 14 | 12 | 13 | 11 |     | 15          |    |
| 05 73 TC E                             |            |    | 14  |    |     | 13 |    |    |    |    | 14 |    |    |    |    | 15 |    |    |    |     |             | 14 |
| 06 73 TC E                             |            |    | 12  |    |     | 12 |    |    |    |    | 15 |    |    |    |    | 10 |    |    |    |     |             | 13 |
| 06 84 UC                               |            |    | 11  |    | 13  | 12 | 14 | 13 |    | 16 | 16 | 16 |    | 14 | 15 | 14 | 11 | 11 | 12 |     | 14          |    |
| 08 84 UC                               |            |    | 8.0 |    | 11  | 12 | 13 | 14 |    | 14 | 17 | 15 |    | 15 | 15 | 14 | 14 | 11 | 15 |     | 14          |    |
| 09 73 TC                               |            |    | 13  |    |     | 13 |    |    |    |    | 14 |    |    |    |    | 14 |    |    |    |     |             | 13 |
| 10 84 UC                               |            |    | 11  |    | 10  | 11 | 11 | 14 |    | 13 | 14 | 14 |    | 15 | 14 | 16 | 11 | 13 | 12 |     | 13          |    |
| 12 73 TC                               |            |    | 10  |    |     | 11 |    |    |    |    | 12 |    |    |    |    | 12 |    |    |    |     |             | 11 |
| 12 84 UC                               |            |    |     |    | 9.1 | 12 | 12 | 12 | 13 |    | 14 | 14 | 15 |    | 14 | 15 | 14 | 14 | 13 | 9.7 |             |    |
| 14 84 UC                               |            |    |     |    | 9.5 | 10 | 11 | 13 | 12 |    | 14 | 14 | 14 |    | 13 | 14 | 18 | 14 | 10 | 12  |             |    |

**East Germany**

| Year<br>Source<br>Product<br>Estimated | Age Groups |    |     |     |    |    |    |    |     |     |     |    |     |    |     |     |     |    |    |    | All<br>ages |     |
|--|------------|----|-----|-----|----|----|----|----|-----|-----|-----|----|-----|----|-----|-----|-----|----|----|----|-------------|-----|
|  | 12         | 13 | 14  | 15  | 16 | 17 | 18 | 19 | 20  | 25  | 30  | 35 | 40  | 45 | 50  | 55  | 60  | 65 | 70 | 75 | 80+         |     |
| 69 44 UC E                             |            |    |     |     |    |    |    |    |     |     |     |    |     |    |     |     |     |    |    |    |             |     |
| 71 47 A E                              |            |    |     |     |    |    |    |    |     |     |     |    |     |    |     |     | 9.2 |    |    |    |             |     |
| 71 48 A                                |            |    |     |     |    |    |    |    |     |     |     |    |     |    |     |     |     |    |    |    |             |     |
| 73 48 A                                |            |    |     |     |    |    |    |    |     |     |     |    |     |    |     | 9.0 |     |    |    |    |             |     |
| 75 45 UC E                             |            |    |     | 3.8 |    |    |    |    |     |     |     |    |     |    |     |     |     |    |    |    |             |     |
| 78 53 UC E                             |            |    | 4.2 |     |    |    |    |    |     |     |     |    |     |    |     |     |     |    |    |    |             |     |
| 81 62 UC                               |            |    | 4.7 | 4.1 | *  |    |    |    |     |     |     |    |     |    |     |     |     |    |    |    | 4.4         |     |
| 82 55 UC                               | 1          | 1  | 3   | 3   |    |    |    |    |     |     |     |    |     |    |     |     |     |    |    |    |             |     |
| 83 54 UC E                             |            |    |     | 7.3 |    |    |    |    |     |     |     |    |     |    |     |     |     |    |    |    |             |     |
| 83 57 UC                               |            |    |     |     |    |    |    |    | 9.8 |     | 8.7 |    | 8.6 |    |     | 8.3 |     |    |    |    |             | 8.6 |
| 83 61 UC                               |            |    |     |     |    |    |    |    | 9.9 |     | 11  |    | 11  |    |     | 10  |     |    |    |    |             | 11  |
| 84 59 UC                               |            |    |     |     |    |    |    |    | 9.1 |     | 8.6 |    | 9.5 |    |     | 9.3 |     |    |    |    |             | 9.1 |
| 84 60 UC                               |            |    |     |     |    |    |    |    | 10  |     | 8.3 |    | 7.4 |    |     | 7.5 |     |    |    |    |             | 7.8 |
| 85 58 UC                               |            |    |     |     |    |    |    |    | 9.9 |     | 11  |    | 8.9 |    |     | 9.3 |     |    |    |    |             | 9.7 |
| 88 57 UC                               |            |    |     |     |    |    |    |    | 9.6 |     | 10  |    | 10  |    |     | 9.0 |     |    |    |    |             | 9.8 |
| 88 60 UC                               |            |    |     |     |    |    |    |    | 8.3 |     | 11  |    | 8.7 |    |     | 8.7 |     |    |    |    |             | 9.4 |
| 88 64 UC E                             |            |    | 12  |     | 11 |    |    |    | 10  |     | 11  |    | 9.7 |    |     | 9.8 |     |    | 10 |    |             |     |
| 89 58 UC                               |            |    |     |     |    |    |    |    | 11  |     | 8.6 |    | 8.3 |    |     | 9.5 |     |    |    |    |             | 8.7 |
| 89 59 UC                               |            |    |     |     |    |    |    |    | 10  |     | 11  |    | 8.9 |    |     | 6.8 |     |    |    |    |             | 9.1 |
| 90 72 TC E                             |            |    | 7.7 |     |    |    |    |    | 11  |     |     | 12 |     |    |     |     | 12  |    |    |    |             | 10  |
| 90 81 UC E*                            |            |    |     | 11  |    |    |    |    | 12  |     |     |    |     |    |     |     |     |    |    |    |             |     |
| 91 66 UC                               |            |    |     |     |    |    |    |    | 9.5 | 11  |     | 12 | 11  |    | 7.5 |     |     |    |    |    |             | 10  |
| 91 72 TC E                             |            |    |     | 9.4 |    |    |    |    | 10  |     |     | 11 |     |    |     |     | 11  |    |    |    |             | 10  |
| 92 67 UC                               | *          |    | 11  |     | 12 | 12 | 13 | 12 | 13  |     | 14  | 12 | 12  | 12 | 12  | 11  | 9.7 | 11 |    |    | 12          |     |
| 92 72 TC E                             |            |    | 9.1 |     |    | 11 |    |    |     |     | 12  |    |     |    |     |     | 7.4 |    |    |    |             | 10  |
| 92 81 UC E*                            |            |    |     | 12  |    |    | 13 |    |     |     |     |    |     |    |     |     |     |    |    |    |             |     |
| 93 57 UC                               |            |    |     |     |    | 11 |    |    | 11  |     | 13  |    | 11  |    |     |     |     |    |    |    |             | 11  |
| 93 68 UC                               |            |    |     | 9.4 |    |    |    |    |     |     |     |    |     |    |     |     |     |    |    |    |             |     |
| 94 72 TC E                             |            |    |     | 8.3 |    |    | 13 |    |     | 8.9 |     |    |     |    |     | 11  |     |    |    |    | 11          |     |
| 94 73 TC E                             |            |    |     | 8.3 |    |    | 13 |    |     | 8.9 |     |    |     |    |     | 11  |     |    |    |    | 11          |     |

**Table 5M** (*continued from p. 50, continues on p. 54*)  
Number of cigarettes smoked per smoker per day, males

**East Germany (continued)**

| Year<br>Source<br>Product<br>Estimated | Age Groups |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |  |     |  |     |  |
|--|------------|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|--|-----|--|-----|--|
|  | 12         | 13 | 14  | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80+         |  |     |  |     |  |
| 95 73 TC E                             |            |    | 11  |    | 14 |    | 14 |    | 14 |    | 16 |    | 16 |    | 14 |    |    |    |    |    |             |  |     |  |     |  |
| 95 81 UC E*                            |            |    | 20  |    | 20 |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |     |  |     |  |
| 97 81 UC E*                            |            |    | 14  |    | 17 |    | 20 |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |     |  |     |  |
| 98 70 UC                               |            |    | 14  |    | 18 |    | 19 |    | 19 |    | 16 |    | 14 |    | 11 |    | 18 |    |    |    |             |  |     |  |     |  |
| 98 84 UC                               |            |    | 9.7 |    | 13 |    | 15 |    | 15 |    | 18 |    | 18 |    | 16 |    | 16 |    | 12 |    | 10          |  | 3.0 |  |     |  |
| 01 84 UC                               |            |    | 12  |    | 14 |    | 15 |    | 14 |    | 18 |    | 18 |    | 18 |    | 16 |    | 15 |    | 14          |  | 2.8 |  |     |  |
| 02 73 TC E                             |            |    | 11  |    | 14 |    | 16 |    | 16 |    | 17 |    |    |    |    |    |    |    |    |    | 15          |  |     |  |     |  |
| 02 84 UC                               |            |    | 11  |    | 13 |    | 17 |    | 14 |    | 18 |    | 17 |    | 18 |    | 14 |    | 15 |    | 9.8         |  | 7.9 |  |     |  |
| 04 84 UC                               |            |    | 9.4 |    | 13 |    | 15 |    | 16 |    | 17 |    | 18 |    | 14 |    | 17 |    | 14 |    | 14          |  | 10  |  | 4.1 |  |
| 05 73 TC E                             |            |    | 11  |    | 14 |    | 15 |    | 15 |    | 16 |    | 16 |    | 17 |    | 17 |    |    |    |             |  | 14  |  |     |  |
| 06 73 TC E                             |            |    | 14  |    | 14 |    | 13 |    | 17 |    | 16 |    | 14 |    | 14 |    | 12 |    | 12 |    | 11          |  | 15  |  |     |  |
| 06 84 UC                               |            |    | 11  |    | 17 |    | 13 |    | 15 |    | 15 |    | 17 |    | 18 |    | 14 |    | 12 |    | 11          |  | 5.4 |  |     |  |
| 08 84 UC                               |            |    | 8.6 |    | 11 |    | 12 |    | 14 |    | 14 |    | 17 |    | 17 |    | 15 |    | 16 |    | 14          |  | 12  |  |     |  |
| 09 73 TC                               |            |    | 12  |    | 16 |    | 16 |    | 19 |    | 19 |    | 13 |    | 13 |    |    |    |    |    | 16          |  |     |  |     |  |
| 10 84 UC                               |            |    | 18  |    | 11 |    | 14 |    | 14 |    | 15 |    | 16 |    | 17 |    | 13 |    | 18 |    | 12          |  | 5.5 |  |     |  |
| 12 73 TC                               |            |    | 14  |    | 18 |    | 18 |    | 17 |    | 17 |    | 17 |    | 17 |    |    |    |    |    | 17          |  |     |  |     |  |
| 12 84 UC                               |            |    | 9.2 |    | 11 |    | 12 |    | 14 |    | 16 |    | 15 |    | 18 |    | 17 |    | 16 |    | 18          |  | 12  |  | 9.5 |  |
| 14 84 UC                               |            |    | 7.5 |    | 12 |    | 16 |    | 15 |    | 16 |    | 13 |    | 14 |    | 19 |    | 16 |    | 17          |  | 14  |  | 10  |  |
| 14 84 UC                               |            |    | 7.5 |    | 12 |    | 16 |    | 15 |    | 16 |    | 13 |    | 16 |    | 14 |    | 15 |    | 17          |  | 14  |  | 10  |  |

**Germany**

| Year<br>Source<br>Product<br>Estimated | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |  |    |  |
|--|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|--|----|--|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80+         |  |    |  |
| 90 72 TC E                             |            |    | 16 |    | 18 |    | 19 |    | 19 |    | 15 |    |    |    |    |    |    |    |    |    | 17          |  |    |  |
| 90 81 UC E*                            |            |    | 16 |    | 20 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |    |  |
| 91 36 UC                               |            |    |    |    | 18 |    | 19 |    | 20 |    | 18 |    | 13 |    |    |    |    |    |    |    | 18          |  |    |  |
| 91 72 TC E                             |            |    | 17 |    | 20 |    | 19 |    | 19 |    | 15 |    |    |    |    |    |    |    |    |    | 18          |  |    |  |
| 92 67 UC                               |            |    | 13 |    | 15 |    | 16 |    | 17 |    | 18 |    | 18 |    | 17 |    | 16 |    | 15 |    | 15          |  | 13 |  |
| 92 72 TC E                             |            |    | 16 |    | 19 |    | 18 |    | 18 |    | 18 |    | 18 |    | 18 |    | 18 |    |    |    | 18          |  |    |  |
| 93 68 UC                               |            |    | 15 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |    |  |
| 94 72 TC E                             |            |    | 14 |    | 18 |    | 18 |    | 19 |    | 19 |    | 14 |    | 14 |    | 14 |    | 17 |    | 17          |  | 17 |  |
| 94 73 TC E                             |            |    | 14 |    | 18 |    | 18 |    | 19 |    | 19 |    | 19 |    | 19 |    | 19 |    | 19 |    | 19          |  | 19 |  |
| 95 67 UC                               |            |    | 13 |    | 15 |    | 16 |    | 17 |    | 17 |    | 17 |    | 18 |    | 18 |    | 18 |    | 17          |  | 16 |  |
| 95 73 TC E                             |            |    | 15 |    | 19 |    | 19 |    | 21 |    | 21 |    | 21 |    | 21 |    | 20 |    | 20 |    | 20          |  | 19 |  |
| 95 81 UC E*                            |            |    | 19 |    | 20 |    | 21 |    | 21 |    | 21 |    | 21 |    | 21 |    | 21 |    |    |    |             |  |    |  |
| 97 81 UC E*                            |            |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |  |    |  |

**Table 5F** (*continued from p. 51, continues on p. 55*)  
Number of cigarettes smoked per smoker per day, females

**East Germany (continued)**

| Year<br>Source<br>Product<br>Estimated | Age Groups |    |    |    |    |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    | All<br>ages |
|--|------------|----|----|----|----|----|----|----|-----|----|----|----|-----|----|----|----|-----|----|----|----|-------------|
|  | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20  | 25 | 30 | 35 | 40  | 45 | 50 | 55 | 60  | 65 | 70 | 75 | 80+         |
| 95 73 TC E                             | 11         |    |    |    | 11 |    |    |    | 10  |    |    |    | 8.4 |    |    |    | 10  |    |    |    |             |
| 95 81 UC E*                            | 15         |    |    |    | 14 |    |    |    | 15  |    |    |    |     |    |    |    |     |    |    |    |             |
| 97 81 UC E*                            | 12         |    |    |    | 13 |    |    |    | 12  |    |    |    |     |    |    |    |     |    |    |    |             |
| 98 70 UC                               | 12         |    |    |    | 15 |    |    |    | 13  |    |    |    | 14  |    |    |    | 12  |    |    |    | 13          |
| 98 84 UC                               | 7.4        |    |    |    | 11 |    |    |    | 12  |    |    |    | 10  |    |    |    | 9.3 |    |    |    | 11          |
| 01 84 UC                               | 10         |    |    |    | 11 |    |    |    | 13  |    |    |    | 12  |    |    |    | 10  |    |    |    | 12          |
| 02 73 TC E                             | 11         |    |    |    | 11 |    |    |    | 12  |    |    |    | 10  |    |    |    | 11  |    |    |    | 11          |
| 02 84 UC                               | 11         |    |    |    | 12 |    |    |    | 11  |    |    |    | 13  |    |    |    | 11  |    |    |    | 12          |
| 04 84 UC                               | 8.5        |    |    |    | 11 |    |    |    | 11  |    |    |    | 12  |    |    |    | 10  |    |    |    | 11          |
| 05 73 TC E                             | 8.9        |    |    |    | 13 |    |    |    | 15  |    |    |    | 11  |    |    |    | 12  |    |    |    |             |
| 06 73 TC E                             | 10         |    |    |    | 11 |    |    |    | 9.0 |    |    |    | 8.4 |    |    |    | 9.9 |    |    |    |             |
| 06 84 UC                               | 11         |    |    |    | 10 |    |    |    | 10  |    |    |    | 13  |    |    |    | 11  |    |    |    | 11          |
| 08 84 UC                               | 13         |    |    |    | 13 |    |    |    | 11  |    |    |    | 12  |    |    |    | 10  |    |    |    | 12          |
| 09 73 TC                               | 14         |    |    |    | 14 |    |    |    | 17  |    |    |    | 13  |    |    |    | 15  |    |    |    |             |
| 10 84 UC                               | 11         |    |    |    | 11 |    |    |    | 15  |    |    |    | 13  |    |    |    | 11  |    |    |    | 12          |
| 12 73 TC                               | 13         |    |    |    | 14 |    |    |    | 10  |    |    |    | 16  |    |    |    | 13  |    |    |    |             |
| 12 84 UC                               | 13         |    |    |    | 11 |    |    |    | 12  |    |    |    | 13  |    |    |    | 11  |    |    |    | 12          |
| 14 84 UC                               | 8.7        |    |    |    | 10 |    |    |    | 9.8 |    |    |    | 15  |    |    |    | 12  |    |    |    | 11          |
| 14 84 UC                               | 8.7        |    |    |    | 10 |    |    |    | 9.8 |    |    |    | 15  |    |    |    | 13  |    |    |    | 11          |

**Germany**

| Year<br>Source<br>Product<br>Estimated | Age Groups |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages |    |    |
|--|------------|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|----|----|
|  | 12         | 13  | 14  | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80+         |    |    |
| 90 72 TC E                             | 12         |     |     |    | 12 |    |    |    | 15 |    |    |    | 14 |    |    |    | 13 |    |    |    |             |    |    |
| 90 81 UC E*                            | 14         |     |     |    | 15 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |    |
| 91 36 UC                               |            |     |     |    | 15 |    |    |    | 14 |    |    |    | 17 |    |    |    | 15 |    |    |    | 15          |    |    |
| 91 72 TC E                             | 14         |     |     |    | 15 |    |    |    | 15 |    |    |    | 15 |    |    |    | 14 |    |    |    | 15          |    |    |
| 92 67 UC                               | *          | 13  |     |    |    | 14 |    |    |    | 15 |    |    |    | 14 |    |    |    | 14 |    |    |             | 14 |    |
| 92 72 TC E                             |            | 14  |     |    |    | 15 |    |    |    | 17 |    |    |    |    |    |    |    | 11 |    |    |             | 15 |    |
| 93 68 UC                               |            | 13  |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |    |
| 94 72 TC E                             |            | 14  |     |    |    | 15 |    |    |    | 17 |    |    |    |    |    |    |    | 12 |    |    |             | 14 |    |
| 94 73 TC E                             |            | 14  |     |    |    | 14 |    |    |    | 17 |    |    |    |    |    |    |    | 12 |    |    |             | 14 |    |
| 95 67 UC                               | *          | 12  |     |    |    | 14 |    |    |    | 15 |    |    |    | 15 |    |    |    | 14 |    |    |             | 14 |    |
| 95 73 TC E                             |            | 12  |     |    |    | 15 |    |    |    | 18 |    |    |    | 18 |    |    |    | 12 |    |    |             | 15 |    |
| 95 81 UC E*                            |            | 18  |     |    |    | 17 |    |    |    | 17 |    |    |    | 17 |    |    |    |    |    |    |             |    |    |
| 97 81 UC E*                            |            | 13  |     |    |    | 16 |    |    |    | 15 |    |    |    | 15 |    |    |    |    |    |    |             |    |    |
| 98 70 UC                               |            | 13  |     |    |    | 15 |    |    |    | 16 |    |    |    | 18 |    |    |    | 16 |    |    |             | 16 |    |
| 98 84 UC                               |            | 10  |     |    |    | 15 |    |    |    | 13 |    |    |    | 14 |    |    |    | 16 |    |    |             | 15 |    |
| 99 67 UC E                             |            | 12  |     |    |    | 14 |    |    |    | 15 |    |    |    | 15 |    |    |    | 15 |    |    |             | 14 |    |
| 00 81 UC E*                            |            | 14  |     |    |    | 15 |    |    |    | 16 |    |    |    | 16 |    |    |    |    |    |    |             |    |    |
| 01 84 UC                               |            | 11  |     |    |    | 13 |    |    |    | 14 |    |    |    | 17 |    |    |    | 16 |    |    |             | 15 |    |
| 02 73 TC E                             |            | 12  |     |    |    | 14 |    |    |    | 14 |    |    |    | 14 |    |    |    | 13 |    |    |             | 14 |    |
| 02 84 UC                               |            | 10  |     |    |    | 13 |    |    |    | 15 |    |    |    | 16 |    |    |    | 17 |    |    |             | 15 |    |
| 03 67 UC E                             |            | 12  |     |    |    | 14 |    |    |    | 14 |    |    |    | 15 |    |    |    | 15 |    |    |             | 14 |    |
| 03 68 UC E                             |            | 7.7 | 9.6 |    |    |    |    |    |    |    | 12 |    |    |    | 12 |    |    |    | 13 |    |             |    | 14 |
| 03 71 UC                               |            |     | 12  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             |    |    |

**Table 5M** (*continued from p. 52*)  
Number of cigarettes smoked per smoker per day, males

**Germany (continued)**

| Year | Source | Product | Estimated | Age Groups |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    | All ages |     |
|------|--------|---------|-----------|------------|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|----------|-----|
|      |        |         |           | 12         | 13  | 14  | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65  | 70 | 75 | 80+      |     |
| 04   | 68     | UC E    |           | 9.1        |     | 10  |    | 13 |    | 15 |    |    |    |    |    |    |    |    |    |    |     |    |    |          | 13  |
| 04   | 77     | UC E    |           |            | 8.2 | 10  | 12 | 12 |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |          |     |
| 04   | 84     | UC      |           |            |     |     | 11 |    | 14 | 16 | 17 | 18 | 19 | 21 | 19 | 18 | 17 | 17 | 15 | 11 | 11  |    |    | 17       |     |
| 05   | 67     | UC E    |           |            |     |     | 14 |    | 15 | 16 | 17 | 18 | 18 | 19 | 18 | 18 | 18 | 17 | 16 | 15 |     |    |    | 17       |     |
| 05   | 68     | UC E    |           | 8.8        |     | 10  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |          |     |
| 05   | 73     | TC E    |           |            |     |     | 12 |    |    |    | 15 |    |    | 20 |    |    |    |    |    |    |     |    |    |          | 16  |
| 06   | 73     | TC E    |           |            |     |     | 11 |    |    |    | 12 |    |    | 16 |    |    |    |    |    |    |     |    |    |          | 14  |
| 06   | 81     | UC E    |           |            |     |     |    | 15 | 14 | 18 | 19 |    | 20 |    | 20 |    | 19 |    |    |    |     |    |    |          | 19  |
| 06   | 84     | UC      |           |            |     |     | 11 |    | 15 | 15 | 16 | 17 | 18 | 20 | 21 | 17 | 17 | 15 | 13 | 14 | 13  |    |    | 17       |     |
| 07   | 68     | UC E    |           | 9.0        |     | 9.9 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |          |     |
| 07   | 76     | UC E    |           |            |     | 12  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |          |     |
| 08   | 68     | UC E    |           | 9.2        |     | 12  |    | 13 |    | 14 |    |    |    |    |    |    |    |    |    |    |     |    |    |          | 13  |
| 08   | 84     | UC      |           |            |     |     | 10 |    | 13 | 14 | 16 | 17 | 18 | 19 | 21 | 18 | 17 | 18 | 16 | 16 | 7.8 |    |    | 17       |     |
| 09   | 67     | UC E    |           |            |     | 14  |    |    | 15 | 16 | 16 | 17 | 17 | 18 | 18 | 18 | 18 | 17 | 16 | 15 |     |    |    | 17       |     |
| 09   | 73     | TC      |           |            |     | 13  |    |    |    | 15 |    |    | 17 |    |    |    |    |    |    |    | 15  |    |    |          | 15  |
| 09   | 78     | TC E*   |           |            |     |     | 12 |    |    | 15 |    |    | 16 |    |    |    |    |    |    |    | 13  |    |    |          | 14  |
| 09   | 81     | UC E    |           |            |     |     | 12 | 14 | 17 |    | 17 |    | 18 |    | 19 |    | 20 |    |    |    |     |    |    |          | 17  |
| 10   | 77     | UC      |           | 2.6        |     | 7.1 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |          | 6.8 |
| 10   | 79     | TC E*   |           |            |     |     | *  |    | 14 |    | 16 |    | 17 |    | 17 |    |    | *  |    | *  |     |    |    |          | 16  |
| 10   | 80     | TC E*   |           |            |     |     | 14 |    |    | 18 |    |    | 17 |    |    |    |    | 14 |    |    |     |    |    |          | 17  |
| 10   | 82     | UC E    |           | 9.1        |     | 10  |    | 13 |    | 15 |    |    |    |    |    |    |    |    |    |    |     |    |    |          |     |
| 10   | 84     | UC      |           |            |     |     | 12 | 12 | 15 | 16 | 14 | 19 | 19 | 21 | 18 | 18 | 16 | 18 | 14 | 12 |     |    |    | 17       |     |
| 11   | 68     | UC E    |           | 8.8        |     |     | 14 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |          |     |
| 11   | 76     | UC E    |           |            | 9.4 |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |          |     |
| 12   | 73     | TC      |           |            |     | 12  |    |    | 16 |    | 19 |    |    |    |    |    |    |    |    |    | 18  |    |    |          | 17  |
| 12   | 81     | UC E    |           |            |     | 12  | 14 | 17 | 19 |    | 19 |    | 19 |    | 19 |    |    |    |    |    |     |    |    |          | 18  |
| 12   | 82     | UC E    |           | 12         |     |     | 14 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |          |     |
| 12   | 84     | UC      |           |            |     | 7.9 | 12 | 13 | 14 | 15 | 16 | 19 | 20 | 19 | 17 | 17 | 17 | 18 | 14 | 10 |     |    |    | 16       |     |
| 13   | 67     | UC E    |           |            | 13  |     |    | 15 | 15 | 16 | 16 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 16 | 15 |     |    |    | 16       |     |
| 14   | 83     | UC E    |           | 12         |     |     | 13 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |          |     |
| 14   | 84     | UC      |           |            |     | 9.7 | 13 | 14 | 16 | 16 | 15 | 17 | 18 | 18 | 17 | 18 | 14 | 15 | 11 | 16 |     |    |    |          |     |
| 15   | 69     | UC E    |           | 9.3        |     |     | 13 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |          |     |

Source: see *Notes on sources of survey data*, p. 90  
 Product: MC = manufactured cigarettes  
 TC = total cigarettes (including hand-rolled)  
 UC = cigarettes (type unspecified)  
 A = all products  
 U = unspecified

Estimated: E = mean estimated from percentage distribution (see also *Consumption category estimation*, Methods p. 11, and Appendix III)  
 \* = refer to *Notes on sources of survey data*, p. 90 relates to ages reported; as given in original source

**Table 5F** (*continued from p. 53*)

Number of cigarettes smoked per smoker per day, females

**Germany (continued)**

| Year<br>Source<br>Product<br>Estimated | Age Groups |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |     |    | All<br>ages |     |
|--|------------|-----|-----|-----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|-----|----|-------------|-----|
|  | 12         | 13  | 14  | 15  | 16 | 17  | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70  | 75 | 80+         |     |
| 04 68 UC E                             | 8.9        |     | 9.8 |     | 11 |     | 14 |    |    |    |    |    |    |    |    |    |    |    |     |    |             | 12  |
| 04 77 UC E                             |            | 9.5 | 9.0 | 9.2 | 11 |     |    |    |    |    |    |    |    |    |    |    |    |    |     |    |             |     |
| 04 84 UC                               |            |     |     |     |    | 9.7 |    | 12 | 14 | 14 | 14 | 14 | 15 | 15 | 15 | 17 | 16 | 15 | 13  | 12 | 12          | 14  |
| 05 67 UC E                             |            |     |     |     |    | 12  |    | 13 | 14 | 14 | 14 | 15 | 15 | 15 | 15 | 14 | 14 | 14 | 13  |    |             | 14  |
| 05 68 UC E                             |            | 10  |     | 9.6 |    |     |    |    |    |    |    |    |    |    |    |    |    |    |     |    |             |     |
| 05 73 TC E                             |            |     |     |     |    | 12  |    |    |    | 13 |    |    |    |    | 14 |    |    |    |     |    |             | 13  |
| 06 73 TC E                             |            |     |     |     |    | 12  |    |    |    | 12 |    |    |    |    | 14 |    |    |    |     |    |             | 12  |
| 06 81 UC E                             |            |     |     |     |    | 13  |    | 14 | 14 | 15 |    |    |    |    | 15 |    | 15 | 15 |     |    |             | 15  |
| 06 84 UC                               |            |     |     |     |    | 11  |    | 12 | 12 | 13 | 13 | 16 | 16 | 16 | 13 | 15 | 13 | 11 | 11  | 12 |             | 14  |
| 07 68 UC E                             |            | 7.8 |     | 11  |    |     |    |    |    |    |    |    |    |    |    |    |    |    |     |    |             |     |
| 07 76 UC E                             |            |     | 9.2 |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |     |    |             |     |
| 08 68 UC E                             |            | 9.5 |     | 10  |    | 11  |    | 12 |    |    |    |    |    |    |    |    |    |    |     |    |             | 11  |
| 08 84 UC                               |            |     |     |     |    | 9.3 |    | 11 | 11 | 13 | 13 | 14 | 16 | 15 | 15 | 14 | 14 | 13 | 10  | 15 |             | 14  |
| 09 67 UC E                             |            |     |     |     |    | 12  |    | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 13  |    |             | 14  |
| 09 73 TC                               |            |     |     |     |    | 13  |    |    |    | 13 |    |    |    |    | 14 |    |    |    | 14  |    |             | 14  |
| 09 78 TC E*                            |            |     |     |     |    | 11  |    |    |    | 13 |    |    |    |    | 13 |    |    |    | 11  |    |             | 12  |
| 09 81 UC E                             |            |     |     |     |    | 11  |    | 12 | 13 | 14 |    | 15 |    | 15 |    | 16 |    |    |     |    |             | 14  |
| 10 77 UC                               |            | 4.5 |     | 6.5 |    |     |    |    |    |    |    |    |    |    |    |    |    |    |     |    |             | 6.4 |
| 10 79 TC E*                            |            |     |     |     |    | *   |    | 13 |    | 13 |    | 14 |    | 14 |    | 13 |    | *  |     | *  |             | 13  |
| 10 80 TC E*                            |            |     |     |     |    | 12  |    |    |    | 15 |    |    |    |    | 14 |    |    | 13 |     |    |             | 14  |
| 10 82 UC E                             |            | 8.9 |     | 9.8 |    | 11  |    | 14 |    |    |    |    |    |    |    |    |    |    |     |    |             | 13  |
| 10 84 UC                               |            |     |     |     |    | 11  |    | 10 | 11 | 11 | 14 | 12 | 14 | 14 | 14 | 14 | 15 | 11 | 13  | 12 |             | 13  |
| 11 68 UC E                             |            |     | 9.1 |     |    | 12  |    |    |    |    |    |    |    |    |    |    |    |    |     |    |             |     |
| 11 76 UC E                             |            |     | 8.7 |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |     |    |             |     |
| 12 73 TC                               |            |     |     |     |    | 12  |    |    |    | 12 |    |    |    |    | 11 |    |    |    | 13  |    |             | 12  |
| 12 81 UC E                             |            |     |     |     |    | 11  |    | 11 | 13 | 13 | 14 | 16 | 14 | 14 | 17 |    |    |    |     |    |             | 14  |
| 12 82 UC E                             |            |     | 9.9 |     |    | 12  |    |    |    |    |    |    |    |    |    |    |    |    |     |    |             |     |
| 12 84 UC                               |            |     |     |     |    | 9.3 |    | 12 | 12 | 12 | 13 | 14 | 14 | 14 | 15 | 14 | 14 | 14 | 14  | 13 | 9.0         | 13  |
| 13 67 UC E                             |            |     | *   |     |    | 13  |    | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 13 | 12  |    | 14          |     |
| 14 83 UC E                             |            |     | 11  |     |    | 12  |    |    |    |    |    |    |    |    |    |    |    |    |     |    |             |     |
| 14 84 UC                               |            |     |     |     |    | 9.3 |    | 10 | 11 | 13 | 12 | 14 | 13 | 14 | 13 | 13 | 17 | 14 | 9.7 | 11 |             | 13  |
| 15 69 UC E                             |            |     | 12  |     |    | 13  |    |    |    |    |    |    |    |    |    |    |    |    |     |    |             |     |

Source: see *Notes on sources of survey data*, p. 90

Product: MC = manufactured cigarettes

TC = total cigarettes (including hand-rolled)

UC = cigarettes (type unspecified)

A = all products

U = unspecified

Estimated:

E = mean estimated from percentage distribution  
(see also *Consumption category estimation*, Methods p. 11, and Appendix III)\* = refer to *Notes on sources of survey data*, p. 90  
relates to ages reported; as given in original source

**Table 6M** Number of cigarettes smoked per person per day, males:  
selected surveys by age; with percentage total sales  
(continues on p. 58)

**West Germany**

| Year | Source | Product | Age Groups |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     | % Total sales |      |      |    |
|------|--------|---------|------------|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|------|------|----|
|      |        |         | 12         | 13  | 14  | 15  | 16 | 17  | 18  | 19  | 20  | 25  | 30  | 35  | 40  | 45  | 50  | 55  | 60  | 65  | 70            |      |      |    |
| 65   | 28     | UC      |            |     |     |     |    |     |     | 4.0 |     |     |     |     |     |     |     |     |     |     |               | **   |      |    |
| 65   | 29     | UC      |            |     |     |     |    |     |     | 4.2 |     |     |     |     |     |     |     |     |     |     |               | **   |      |    |
| 67   | 5      | MC      |            |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |               | **   |      |    |
| 70   | 8      | UC*     |            |     |     |     |    |     | 1.3 |     |     |     |     |     |     |     |     |     |     |     |               | **   |      |    |
| 74   | 5      | MC      |            |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |               | **   |      |    |
| 74   | 33     | A       |            |     |     |     |    |     |     | 7.2 |     |     |     |     |     |     |     |     |     |     |               | **   |      |    |
| 75   | 18     | UC      |            |     |     |     |    |     |     | 5.8 |     |     |     |     |     |     |     |     |     |     |               | **   |      |    |
| 78   | 34     | UC      |            |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |               | 78%T |      |    |
| 78   | 67     | UC      | *          |     |     |     |    |     |     | 3.0 | 5.9 | 7.9 | 8.8 | 8.7 | 8.2 | 7.2 | 5.1 | 4.2 |     |     | 6.2           | 55%T |      |    |
| 79   | 35     | UC*     |            | 0.2 | 0.5 | 1.0 |    |     |     |     |     |     |     |     |     |     |     |     |     |     |               | **   |      |    |
| 80   | 10     | MC      |            |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |               | --   |      |    |
| 80   | 81     | UC*     |            |     |     |     |    |     |     | 9.6 |     |     |     |     |     |     |     |     |     |     |               | **   |      |    |
| 81   | 1      | TC      |            |     |     |     |    |     | 3.4 |     | 11  | 11  | 8.0 | 6.0 |     |     |     |     |     |     | 7.2           | 75%T |      |    |
| 82   | 10     | MC      |            |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |               | --   |      |    |
| 84   | 4      | TC*     |            |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |               | 90%T |      |    |
| 84   | 23     | UC      |            |     |     |     |    |     |     |     | 13  | 11  | 9.7 | 6.7 |     |     |     |     |     |     |               | 9.5  | **   |    |
| 85   | 5      | MC      |            |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |               | **   |      |    |
| 85   | 24     | UC      |            |     |     |     |    |     |     |     | 9.0 | 6.6 | 5.9 | 4.5 |     |     |     |     |     |     |               | 5.8  | **   |    |
| 85   | 25     | UC      |            |     |     |     |    |     |     |     | 10  | 9.8 | 7.5 | 4.7 |     |     |     |     |     |     |               | 7.7  | **   |    |
| 85   | 26     | UC      |            |     |     |     |    |     |     |     | 8.5 | 7.5 | 5.8 | 4.8 |     |     |     |     |     |     |               | 6.2  | **   |    |
| 85   | 37     | UC*     |            |     |     |     |    |     |     |     | 9.9 | 11  | 8.0 | 6.4 |     |     |     |     |     |     |               | 8.8  | **   |    |
| 86   | 81     | UC*     |            |     |     |     |    |     |     | 7.7 |     |     |     |     |     |     |     |     |     |     |               | **   |      |    |
| 87   | 72     | UC*     |            |     |     |     |    |     | 6.3 |     | 11  |     | 7.1 |     |     |     |     |     |     |     | 7.1           | 83%T |      |    |
| 88   | 23*    | UC      |            |     |     |     |    |     |     | 11  | 11  | 7.9 | 6.8 |     |     |     |     |     |     |     | 8.7           | **   |      |    |
| 88   | 36     | UC*     |            |     |     |     |    |     |     | 9.3 | 11  | 9.3 | 6.5 |     |     |     |     |     |     |     |               | **   |      |    |
| 88   | 72     | TC*     |            |     |     |     |    |     | 3.9 |     | 10  |     | 10  |     |     |     |     |     |     |     | 8.1           | 91%T |      |    |
| 89   | 67     | UC      | *          |     |     |     |    |     | 2.2 | 5.5 | 6.9 | 7.4 | 7.2 | 6.9 | 6.3 | 5.3 | 4.8 | 4.0 | 2.8 | 2.0 | 1.4           | 5.0  | 56%T |    |
| 89   | 72     | TC*     |            |     |     |     |    |     | 3.4 |     | 9.8 |     | 7.8 |     |     |     |     |     |     |     | 6.5           | 73%T |      |    |
| 90   | 25     | UC      |            |     |     |     |    |     |     |     | 8.1 | 8.9 | 6.4 | 4.1 |     |     |     |     |     |     |               | 6.8  | **   |    |
| 90   | 26     | UC      |            |     |     |     |    |     |     |     | 6.2 | 7.9 | 5.9 | 3.2 |     |     |     |     |     |     |               | 6.0  | **   |    |
| 90   | 36     | TC*     |            |     |     |     |    |     |     |     | 8.9 | 9.5 | 8.8 | 6.2 |     |     |     |     |     |     |               | 7.5  | **   |    |
| 90   | 72     | TC*     |            |     |     |     |    |     | 6.8 |     | 11  |     | 7.6 |     |     |     |     |     |     |     | 7.4           | 82%T |      |    |
| 90   | 81     | UC*     |            |     |     |     |    |     |     | 6.1 | 6.7 |     |     |     |     |     |     |     |     |     |               | **   |      |    |
| 91   | 23*    | UC      |            |     |     |     |    |     |     |     | 10  | 9.2 | 9.5 | 5.6 |     |     |     |     |     |     |               | 8.4  | **   |    |
| 91   | 39     | UC*     |            |     |     |     |    |     | 1.8 |     |     |     |     |     |     |     |     |     |     |     |               | **   |      |    |
| 91   | 72     | TC*     |            |     |     |     |    |     | 7.0 |     | 11  |     | 8.7 |     |     |     |     |     |     |     | 7.6           | **   |      |    |
| 92   | 67     | UC      | *          |     |     |     |    |     | 2.1 | 5.2 | 6.3 | 7.3 | 7.5 | 6.9 | 6.4 | 5.4 | 4.4 | 3.6 | 2.7 | 2.2 | 1.3           | 4.9  | **   |    |
| 92   | 72     | TC*     |            |     |     |     |    |     | 7.8 |     | 9.0 |     | 7.5 |     |     |     |     |     |     |     | 7.2           | **   |      |    |
| 93   | 68     | UC      |            |     |     |     |    |     | 6.2 |     |     |     |     |     |     |     |     |     |     |     |               | **   |      |    |
| 94   | 42     | UC*     |            |     |     |     |    | 1.1 |     |     |     |     |     |     |     |     |     |     |     |     |               | **   |      |    |
| 94   | 72     | TC*     |            |     |     |     |    |     | 7.4 |     | 9.1 |     | 8.4 |     |     |     |     |     |     |     | 6.8           | **   |      |    |
| 94   | 73     | TC*     |            |     |     |     |    |     | 7.3 |     | 9.2 |     | 9.1 |     |     |     |     |     |     |     | 7.0           | **   |      |    |
| 95   | 25     | UC      |            |     |     |     |    |     |     |     | 8.9 | 8.9 | 7.6 | 4.4 |     |     |     |     |     |     |               | 7.3  | **   |    |
| 95   | 26     | UC      |            |     |     |     |    |     |     |     | 5.8 | 6.1 | 4.1 | 3.2 |     |     |     |     |     |     |               | 4.6  | **   |    |
| 95   | 73     | TC*     |            |     |     |     |    | 7.4 |     | 10  |     | 11  |     |     |     |     |     |     |     |     | 8.8           | **   |      |    |
| 95   | 81     | UC*     |            |     |     |     |    |     | 4.7 |     | 6.9 |     | 5.7 |     |     |     |     |     |     |     |               | **   |      |    |
| 97   | 81     | UC*     |            |     |     |     |    |     | 5.7 |     | 7.3 |     | 6.4 |     |     |     |     |     |     |     |               | **   |      |    |
| 98   | 70     | UC*     |            |     |     |     |    |     | 7.3 | 8.4 | 9.8 | 9.0 | 6.5 | 3.5 | 2.4 |     |     |     |     | 7.3 | **            |      |      |    |
| 98   | 75     | UC      |            |     |     |     |    |     | 0.2 | 1.2 |     |     |     |     |     |     |     |     |     |     | **            |      |      |    |
| 98   | 84     | UC      |            |     |     |     |    |     | 4.3 | 7.3 | 9.0 | 8.4 | 8.5 | 11  | 8.7 | 6.9 | 6.3 | 4.6 | 4.6 | 1.7 | 1.6           | 0.5  | 7.0  | ** |

**Table 6F** Number of cigarettes smoked per person per day, females:  
selected surveys by age; with percentage total sales  
(continues on p. 59)

**West Germany**

| Year<br>Source<br>Product | Age Groups |     |     |    |    |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               | All<br>ages | %<br>Total<br>sales |      |    |
|---------------------------|------------|-----|-----|----|----|----|----|----|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|---------------------|------|----|
|                           | 12         | 13  | 14  | 15 | 16 | 17 | 18 | 19 | 20<br>-<br>24 | 25<br>-<br>29 | 30<br>-<br>34 | 35<br>-<br>39 | 40<br>-<br>44 | 45<br>-<br>49 | 50<br>-<br>54 | 55<br>-<br>59 | 60<br>-<br>64 | 65<br>-<br>69 | 70<br>-<br>74 | 75<br>-<br>79 | 80+         |                     |      |    |
| 65 28 UC                  |            |     |     |    |    |    |    |    | 1.5           |               |               |               |               |               |               |               |               |               |               |               |             |                     | **   |    |
| 65 29 UC                  |            |     |     |    |    |    |    |    |               | 0.8           |               |               |               |               |               |               |               |               |               |               |             |                     | **   |    |
| 67 5 MC                   |            |     |     |    |    |    |    |    |               |               |               |               |               |               |               |               |               | 1.7           |               |               |             |                     | **   |    |
| 70 8 UC                   |            |     |     |    |    |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |                     | **   |    |
| 74 5 MC                   |            |     |     |    |    |    |    |    |               |               |               |               |               |               |               |               |               | 2.4           |               |               |             |                     | **   |    |
| 74 33 A                   |            |     |     |    |    |    |    |    | 4.2           |               |               |               |               |               |               |               |               |               |               |               |             |                     | **   |    |
| 75 18 UC                  |            |     |     |    |    |    |    |    |               | 3.7           |               |               |               |               |               |               |               |               |               |               |             |                     | **   |    |
| 78 34 UC                  |            |     |     |    |    |    |    |    |               |               |               |               |               |               |               |               |               | 4.3           |               |               |             |                     | 78%T |    |
| 78 67 UC                  | *          |     |     |    |    |    |    |    | 1.8           | 3.8           | 5.0           | 4.6           | 3.3           |               | 2.3           |               | 1.9           | 1.2           |               | 0.5           |             | 2.1                 | 55%T |    |
| 79 35 UC*                 | 0.2        | 0.9 | 0.9 |    |    |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |                     |      | ** |
| 80 10 MC                  |            |     |     |    |    |    |    |    |               |               |               |               |               |               |               |               |               | 5.0           |               |               |             |                     | --   |    |
| 80 81 UC*                 |            |     |     |    |    |    |    |    |               | 6.8           |               |               |               |               |               |               |               |               |               |               |             |                     | **   |    |
| 81 1 TC                   |            |     |     |    |    |    |    |    | 3.1           |               | 6.8           | 6.1           |               | 4.2           |               | 3.5           |               | 1.5           |               | 0.7           |             | 3.7                 | 75%T |    |
| 82 10 MC                  |            |     |     |    |    |    |    |    |               |               |               |               |               |               |               |               |               | 4.5           |               |               |             |                     | --   |    |
| 84 4 TC*                  |            |     |     |    |    |    |    |    |               |               |               |               |               |               |               |               |               | 3.8           |               |               |             |                     | 90%T |    |
| 84 23 UC                  |            |     |     |    |    |    |    |    |               |               | 7.9           |               | 6.1           |               | 4.3           |               | 2.9           |               |               |               |             | 4.6                 | **   |    |
| 85 5 MC                   |            |     |     |    |    |    |    |    |               |               |               |               |               |               |               |               |               | 2.6           |               |               |             |                     | **   |    |
| 85 24 UC                  |            |     |     |    |    |    |    |    |               |               | 5.6           |               | 4.8           |               | 2.2           |               | 1.8           |               |               |               |             | 3.1                 | **   |    |
| 85 25 UC                  |            |     |     |    |    |    |    |    |               |               | 5.3           |               | 3.7           |               | 2.7           |               | 1.4           |               |               |               |             | 2.7                 | **   |    |
| 85 26 UC                  |            |     |     |    |    |    |    |    |               |               | 3.3           |               | 2.3           |               | 1.6           |               | 0.8           |               |               |               |             | 1.7                 | **   |    |
| 85 37 UC*                 |            |     |     |    |    |    |    |    |               |               | 6.5           |               | 5.4           |               | 2.2           |               | 1.3           |               |               |               |             | 3.8                 | **   |    |
| 86 81 UC*                 |            |     |     |    |    |    |    |    |               | 4.8           |               |               |               |               |               |               |               |               |               |               |             |                     | **   |    |
| 87 72 UC*                 |            |     |     |    |    |    |    |    | 4.6           |               | 6.5           |               | 5.8           |               |               |               |               |               | 1.9           |               |             | 4.3                 | 83%T |    |
| 88 23* UC                 |            |     |     |    |    |    |    |    |               |               | 7.6           |               | 5.8           |               | 4.1           |               | 2.6           |               |               |               |             | 4.4                 | **   |    |
| 88 36 UC                  |            |     |     |    |    |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |                     | **   |    |
| 88 72 TC*                 |            |     |     |    |    |    |    |    | 4.1           |               | 7.2           |               | 4.6           |               |               |               |               |               | 3.1           |               |             | 4.5                 | 91%T |    |
| 89 67 UC                  | *          |     |     |    |    |    |    |    | 1.6           | 4.0           | 4.7           | 4.7           | 4.5           | 4.0           | 2.8           | 2.1           | 1.7           | 1.6           | 1.1           | 0.9           | 0.3         | 2.5                 | 56%T |    |
| 89 72 TC*                 |            |     |     |    |    |    |    |    | 3.0           |               | 4.7           |               |               |               | 4.0           |               |               |               | 3.0           |               |             | 3.7                 | 73%T |    |
| 90 25 UC                  |            |     |     |    |    |    |    |    |               |               | 5.0           |               | 6.8           |               | 3.4           |               | 2.3           |               |               |               |             | 4.5                 | **   |    |
| 90 26 UC                  |            |     |     |    |    |    |    |    |               |               | 3.3           |               | 3.3           |               | 2.5           |               | 0.6           |               |               |               |             | 2.3                 | **   |    |
| 90 36 TC*                 |            |     |     |    |    |    |    |    |               |               | 6.8           | 6.2           |               | 5.7           |               | 2.8           |               | 1.2           |               |               |             | 4.4                 | **   |    |
| 90 72 TC*                 |            |     |     |    |    |    |    |    | 4.4           |               | 4.9           |               |               | 4.2           |               |               |               |               | 2.5           |               |             | 3.8                 | 82%T |    |
| 90 81 UC*                 |            |     |     |    |    |    |    |    |               | 5.0           |               | 5.1           |               |               |               |               |               |               |               |               |             |                     | **   |    |
| 91 23* UC                 |            |     |     |    |    |    |    |    |               |               | 7.9           |               | 8.6           |               | 3.8           |               | 2.9           |               |               |               |             | 5.4                 | **   |    |
| 91 39 UC*                 | 1.6        |     |     |    |    |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |                     | **   |    |
| 91 72 TC*                 |            |     |     |    |    |    |    |    | 5.6           |               | 7.2           |               | 4.7           |               |               | 1.7           |               | 1.7           |               |               |             | 4.3                 | **   |    |
| 92 67 UC                  | *          |     |     |    |    |    |    |    | 1.4           | 3.6           | 4.3           | 4.6           | 4.7           | 4.1           | 3.5           | 2.1           | 1.7           | 1.4           | 1.0           | 0.8           | 0.3         | 2.5                 | **   |    |
| 92 72 TC*                 |            |     |     |    |    |    |    |    | 5.0           |               | 5.6           |               |               | 5.3           |               |               |               |               | 1.1           |               |             | 3.8                 | **   |    |
| 93 68 UC                  |            |     |     |    |    |    |    |    | 4.8           |               |               |               |               |               |               |               |               |               |               |               |             |                     | **   |    |
| 94 42 UC*                 | 0.8        |     |     |    |    |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |                     | **   |    |
| 94 72 TC*                 |            |     |     |    |    |    |    |    | 5.1           |               | 6.6           |               | 5.4           |               |               |               |               | 1.7           |               |               |             | 4.3                 | **   |    |
| 94 73 TC*                 |            |     |     |    |    |    |    |    | 5.0           |               | 6.7           |               | 5.2           |               |               |               |               | 1.7           |               |               |             | 4.3                 | **   |    |
| 95 25 UC                  |            |     |     |    |    |    |    |    |               | 6.1           |               | 6.3           |               | 3.7           |               | 2.0           |               |               |               |               |             | 4.3                 | **   |    |
| 95 26 UC                  |            |     |     |    |    |    |    |    |               | 2.7           |               | 3.0           |               | 2.4           |               | 0.9           |               |               |               |               |             | 2.2                 | **   |    |
| 95 73 TC*                 |            |     |     |    |    |    |    |    | 3.7           |               | 7.5           |               | 6.0           |               |               |               |               | 1.7           |               |               |             | 4.5                 | **   |    |
| 95 81 UC*                 |            |     |     |    |    |    |    |    | 3.3           |               | 4.4           |               |               | 3.0           |               |               |               |               |               |               |             |                     | **   |    |
| 97 81 UC*                 |            |     |     |    |    |    |    |    | 2.6           |               | 4.5           |               |               | 2.9           |               |               |               |               |               |               |             |                     | **   |    |
| 98 70 UC*                 |            |     |     |    |    |    |    |    | 6.4           | 6.0           | 6.8           |               | 5.9           |               | 3.4           |               | 2.0           |               | 0.9           |               | 4.5         | **                  |      |    |
| 98 75 UC                  | 0.2        | 0.9 |     |    |    |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |                     | **   |    |
| 98 84 UC                  |            |     |     |    |    |    |    |    | 3.1           | 5.6           | 4.9           | 5.6           | 6.8           | 5.4           | 4.9           | 4.6           | 2.6           | 1.9           | 1.6           | 0.7           | 0.6         | 3.7                 | **   |    |

**Table 6M** (*continued from p. 56, continues on p. 60*)  
 Number of cigarettes smoked per person per day, males

**West Germany (continued)**

| Year<br>Source<br>Product | Age Groups |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |     |     | All<br>ages | %<br>Total<br>sales |    |
|---------------------------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|----|-----|-----|-------------|---------------------|----|
|                           | 12         | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 25  | 30  | 35  | 40  | 45  | 50  | 55 | 60  | 65 | 70  | 75  | 80+         |                     |    |
| 99 42 UC*                 | 1.4        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |     |     |             |                     |    |
| 01 84 UC                  |            | 3.9 | 6.9 | 7.9 | 8.3 | 8.9 | 9.1 | 11  | 7.5 | 5.8 | 4.5 | 3.2 | 2.7 | 1.4 | 0.3 |    | 6.6 |    |     |     |             |                     |    |
| 02 73 TC                  |            | 5.8 |     |     | 6.6 |     |     |     | 8.0 |     |     |     |     |     |     |    |     |    |     | 3.1 |             | 5.8                 | ** |
| 02 84 UC                  |            | 4.0 | 6.9 | 9.0 | 8.7 | 8.8 | 8.9 | 11  | 8.7 | 5.5 | 4.9 | 3.9 | 2.7 | 1.4 | 0.4 |    | 6.9 |    |     |     |             |                     |    |
| 04 84 UC                  |            | 3.2 | 6.1 | 7.1 | 8.5 | 7.0 | 8.5 | 9.6 | 8.5 | 5.9 | 4.5 | 3.3 | 2.8 | 1.3 | 1.0 |    | 6.2 |    |     |     |             |                     |    |
| 05 73 TC                  |            | 4.4 |     |     | 6.4 |     |     |     | 9.5 |     |     |     |     |     |     |    |     |    | 2.4 |     | 5.6         | **                  |    |
| 06 73 TC                  |            | 2.4 |     |     | 3.9 |     |     |     | 6.7 |     |     |     |     |     |     |    |     |    | 2.6 |     | 4.0         | **                  |    |
| 06 84 UC                  |            | 3.8 | 7.1 | 6.2 | 7.5 | 6.4 | 7.4 | 8.2 | 10  | 5.1 | 4.2 | 2.7 | 2.2 | 2.0 | 0.9 |    | 5.8 |    |     |     |             |                     |    |
| 08 84 UC                  |            | 2.6 | 5.6 | 6.2 | 7.6 | 6.7 | 6.1 | 6.8 | 9.0 | 6.3 | 3.8 | 3.1 | 2.0 | 1.7 | 0.7 |    | 5.4 |    |     |     |             |                     |    |
| 09 73 TC                  |            | 3.3 |     |     | 5.4 |     |     |     | 5.5 |     |     |     |     |     |     |    |     |    | 2.0 |     | 3.9         | **                  |    |
| 10 84 UC                  |            | 2.3 | 4.4 | 6.3 | 6.6 | 6.0 | 7.1 | 7.4 | 8.4 | 6.2 | 4.9 | 3.0 | 2.0 | 1.8 | 0.8 |    | 5.1 |    |     |     |             |                     |    |
| 12 73 TC                  |            | 4.4 |     |     | 5.6 |     |     |     | 7.9 |     |     |     |     |     |     |    |     |    | 2.2 |     | 4.9         | **                  |    |
| 12 84 UC                  |            | 1.4 | 4.5 | 5.2 | 5.4 | 6.2 | 6.1 | 7.1 | 7.3 | 6.5 | 4.4 | 3.3 | 2.2 | 1.3 | 0.9 |    | 4.8 |    |     |     |             |                     |    |
| 14 84 UC                  |            | 2.4 | 4.1 | 4.9 | 6.0 | 5.1 | 5.7 | 5.6 | 6.4 | 6.5 | 5.0 | 3.7 | 1.5 | 1.0 | 0.6 |    | 4.4 |    |     |     |             |                     |    |

**East Germany**

| Year<br>Source<br>Product | Age Groups |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |    |    | All<br>ages | %<br>Total<br>sales |    |
|---------------------------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|----|----|-------------|---------------------|----|
|                           | 12         | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 25  | 30  | 35  | 40  | 45  | 50  | 55 | 60 | 65  | 70 | 75 | 80+         |                     |    |
| 69 44 UC                  | 1.6        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |    |    |             |                     |    |
| 71 47 A                   |            |     |     |     |     |     |     |     |     |     | 8.6 |     |     |     |     |    |    |     |    |    |             |                     |    |
| 71 48* A                  |            |     |     |     |     |     |     |     |     |     | 9.3 |     |     |     |     |    |    |     |    |    |             |                     |    |
| 73 48* A                  |            |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |    |    |             |                     |    |
| 75 45 UC                  |            | 6.7 |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |    |    |             |                     |    |
| 81 62 UC                  |            | 1.6 | 3.0 | *   |     |     |     |     |     |     |     |     |     |     |     |    |    |     |    |    | 2.4         |                     | ** |
| 82 55 UC                  | 0.4        | 0.8 | 1.9 | 2.6 |     |     |     |     |     |     |     |     |     |     |     |    |    |     |    |    |             |                     |    |
| 83 54 UC                  |            | 4.0 |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |    |    |             |                     |    |
| 83 57 UC                  |            |     |     |     |     |     |     |     | 8.8 |     | 5.8 |     | 6.1 |     | 4.8 |    |    |     |    |    |             | 5.6                 | ** |
| 83 61 UC                  |            |     |     |     |     |     |     |     | 8.2 |     | 7.6 |     | 4.7 |     | 3.6 |    |    |     |    |    |             | 5.5                 | ** |
| 84 59 UC                  |            |     |     |     |     |     |     |     | 9.2 |     | 7.1 |     | 5.9 |     | 3.9 |    |    |     |    |    |             | 5.8                 | ** |
| 84 60 UC                  |            |     |     |     |     |     |     |     | 8.4 |     | 5.7 |     | 5.9 |     | 4.3 |    |    |     |    |    |             | 5.4                 | ** |
| 85 58 UC                  |            |     |     |     |     |     |     |     | 5.8 |     | 5.8 |     | 4.0 |     | 4.1 |    |    |     |    |    |             | 4.7                 | ** |
| 88 57 UC                  |            |     |     |     |     |     |     |     | 9.7 |     | 6.7 |     | 5.3 |     | 4.2 |    |    |     |    |    |             | 5.5                 | ** |
| 88 60 UC                  |            |     |     |     |     |     |     |     | 8.0 |     | 6.0 |     | 4.0 |     | 3.8 |    |    |     |    |    |             | 4.7                 | ** |
| 88 64 UC                  |            | 2.7 |     | 8.1 |     |     |     |     | 7.4 |     | 8.9 |     | 5.5 |     | 6.0 |    |    | 2.5 |    |    |             | 60%m                |    |
| 89 58 UC                  |            |     |     |     |     |     |     |     | 6.6 |     | 5.0 |     | 5.3 |     | 3.7 |    |    |     |    |    |             | 4.8                 | ** |
| 89 59 UC                  |            |     |     |     |     |     |     |     | 8.6 |     | 6.8 |     | 4.9 |     | 3.4 |    |    |     |    |    |             | 5.2                 | ** |
| 90 72 TC*                 |            | 7.6 |     |     |     |     |     |     | 9.8 |     | 4.8 |     |     |     | 3.6 |    |    |     |    |    |             | 6.6                 | ** |
| 90 81 UC*                 |            |     | 6.2 |     |     |     |     |     | 9.0 |     |     |     |     |     |     |    |    |     |    |    |             |                     |    |
| 91 66 TC*                 |            |     |     |     |     |     |     |     | 7.4 | 8.9 |     | 6.3 | 4.9 | 2.7 |     |    |    |     |    |    | 6.4         | **                  |    |
| 91 72 TC*                 |            |     | 4.6 |     |     |     |     |     | 7.7 |     | 6.1 |     |     |     | 3.2 |    |    |     |    |    |             | 5.6                 | ** |
| 92 67 UC                  | *          | 2.3 | 5.5 | 6.6 | 7.0 | 6.3 | 5.7 | 5.4 | 4.2 | 3.8 | 3.4 | 2.2 | 2.1 | 1.1 |     |    |    |     |    |    | 4.4         | **                  |    |
| 92 72 TC*                 |            | 3.6 |     |     |     |     | 6.7 |     | 5.2 |     |     |     |     |     | 3.0 |    |    |     |    |    |             | 4.9                 | ** |
| 92 81 UC*                 |            |     | 6.4 |     |     |     | 8.9 |     |     |     |     |     |     |     |     |    |    |     |    |    |             |                     |    |
| 93 57 UC                  |            |     |     |     |     |     | 7.7 |     | 7.6 |     | 4.3 |     | 3.5 |     |     |    |    |     |    |    |             | 5.4                 | ** |
| 93 68 UC                  |            | 5.7 |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |    |    |             |                     |    |
| 94 72 TC*                 |            | 5.7 |     |     |     |     | 8.7 |     | 6.1 |     |     |     |     |     | 3.8 |    |    |     |    |    |             | 6.2                 | ** |
| 94 73 TC*                 |            | 5.7 |     |     |     |     | 8.7 |     | 6.1 |     |     |     |     |     | 3.8 |    |    |     |    |    |             | 6.2                 | ** |

**Table 6F** (*continued from p. 57, continues on p. 63*)  
Number of cigarettes smoked per person per day, females

**West Germany (continued)**

| Year<br>Source<br>Product | Age Groups |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | All<br>ages | %<br>Total<br>sales |     |
|---------------------------|------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|---------------------|-----|
|                           | 12         | 13 | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 25  | 30  | 35  | 40  | 45  | 50  | 55  | 60  | 65  | 70  | 75  | 80+         |                     |     |
| 99 42 UC*                 | 1.3        |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     | **  |
| 01 84 UC                  |            |    | 3.4 | 4.6 | 4.7 | 4.9 | 6.5 | 6.4 | 6.3 | 4.8 | 4.0 | 2.6 | 1.3 | 1.4 | 0.9 | 0.6 | 4.0 |     |     |     |             | **                  |     |
| 02 73 TC                  |            |    |     | 4.7 |     |     | 4.8 |     |     |     | 4.1 |     |     |     |     |     |     |     | 1.7 |     |             |                     | 3.4 |
| 02 84 UC                  |            |    |     |     | 3.2 | 5.1 | 5.6 | 5.0 | 6.0 | 6.6 | 6.9 | 5.1 | 4.5 | 2.8 | 1.4 | 1.3 | 1.3 | 0.5 | 4.2 |     |             |                     | **  |
| 04 84 UC                  |            |    |     |     | 2.8 | 4.8 | 5.3 | 3.9 | 5.0 | 6.4 | 5.3 | 5.8 | 4.1 | 2.9 | 1.4 | 1.0 | 1.1 | 0.3 | 3.8 |     |             |                     | **  |
| 05 73 TC                  |            |    |     |     | 4.3 |     |     | 3.4 |     |     | 2.7 |     |     |     |     |     |     |     | 1.7 |     |             |                     | 2.7 |
| 06 73 TC                  |            |    |     |     |     | 4.1 |     |     | 4.0 |     |     | 4.0 |     |     |     |     |     |     | 1.0 |     |             |                     | 2.8 |
| 06 84 UC                  |            |    |     |     |     | 3.6 | 5.2 | 4.1 | 4.1 | 4.7 | 6.6 | 5.9 | 5.5 | 3.5 | 2.9 | 2.0 | 1.0 | 0.7 | 0.7 | 3.9 |             |                     | **  |
| 08 84 UC                  |            |    |     |     |     | 1.6 | 3.7 | 3.9 | 3.5 | 3.5 | 5.1 | 5.5 | 4.8 | 4.1 | 2.8 | 2.2 | 1.2 | 0.7 | 0.6 | 3.4 |             |                     | **  |
| 09 73 TC                  |            |    |     |     |     | 2.8 |     |     | 3.6 |     |     | 3.0 |     |     |     |     |     |     | 1.3 |     |             |                     | 2.4 |
| 10 84 UC                  |            |    |     |     |     | 1.9 | 2.6 | 3.7 | 3.4 | 3.0 | 4.0 | 5.5 | 4.4 | 4.3 | 3.0 | 2.0 | 1.3 | 0.8 | 0.6 | 3.1 |             |                     | **  |
| 12 73 TC                  |            |    |     |     |     | 1.4 |     |     | 2.1 |     |     | 3.4 |     |     |     |     |     |     | 1.4 |     |             |                     | 2.0 |
| 12 84 UC                  |            |    |     |     |     | 1.5 | 3.1 | 3.5 | 3.5 | 3.6 | 4.0 | 5.2 | 4.8 | 4.2 | 3.4 | 2.4 | 1.8 | 1.2 | 0.4 | 3.3 |             |                     | **  |
| 14 84 UC                  |            |    |     |     |     | 1.2 | 2.2 | 2.6 | 3.5 | 3.1 | 3.8 | 4.4 | 4.2 | 4.2 | 3.6 | 3.1 | 1.9 | 0.8 | 0.3 | 3.0 |             |                     | **  |

**East Germany**

| Year<br>Source<br>Product | Age Groups |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    | All<br>ages | %<br>Total<br>sales |      |
|---------------------------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-------------|---------------------|------|
|                           | 12         | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 25  | 30  | 35  | 40  | 45  | 50  | 55  | 60  | 65  | 70 | 75 | 80+         |                     |      |
| 69 44 UC                  |            |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |             |                     | **   |
| 71 47 A                   |            |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 2.6 |    |    |             |                     | **   |
| 71 48* A                  |            |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |             |                     | **   |
| 73 48* A                  |            |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 2.2 |     |    |    |             |                     | **   |
| 75 45 UC                  |            |     |     |     |     | 1.8 |     |     |     |     |     |     |     |     |     |     |     |     |    |    |             |                     | **   |
| 81 62 UC                  |            |     | 0.5 | 0.7 | *   |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |             | 0.6                 | **   |
| 82 55 UC                  | 0.0        | 0.0 | 0.9 | 1.0 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |             |                     | **   |
| 83 54 UC                  |            |     |     | 1.3 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |             |                     | **   |
| 83 57 UC                  |            |     |     |     |     |     |     |     | 2.9 |     |     | 1.4 |     |     | 1.8 |     |     | 1.2 |    |    |             |                     | 1.5  |
| 83 61 UC                  |            |     |     |     |     |     |     |     | 3.2 |     |     | 2.7 |     |     | 2.1 |     |     |     |    |    |             |                     | 2.3  |
| 84 59 UC                  |            |     |     |     |     |     |     |     | 3.4 |     |     | 1.4 |     |     | 1.4 |     |     | 0.9 |    |    |             |                     | 1.3  |
| 84 60 UC                  |            |     |     |     |     |     |     |     | 2.1 |     |     | 1.1 |     |     | 1.2 |     |     | 0.9 |    |    |             |                     | 1.1  |
| 85 58 UC                  |            |     |     |     |     |     |     |     | 2.8 |     |     | 1.5 |     |     | 1.0 |     |     | 0.8 |    |    |             |                     | 1.1  |
| 88 57 UC                  |            |     |     |     |     |     |     |     | 3.0 |     |     | 2.2 |     |     | 1.2 |     |     | 1.0 |    |    |             |                     | 1.6  |
| 88 60 UC                  |            |     |     |     |     |     |     |     | 2.2 |     |     | 1.3 |     |     | 0.7 |     |     | 0.6 |    |    |             |                     | 0.9  |
| 88 64 UC                  |            |     | 2.3 |     | 3.9 |     |     |     | 3.5 |     |     | 2.5 |     |     | 1.9 |     |     | 1.3 |    |    |             |                     | 60%m |
| 89 58 UC                  |            |     |     |     |     |     |     |     | 2.9 |     |     | 1.3 |     |     | 0.7 |     |     | 1.0 |    |    |             |                     | 1.0  |
| 89 59 UC                  |            |     |     |     |     |     |     |     | 3.6 |     |     | 2.2 |     |     | 1.1 |     |     | 0.8 |    |    |             |                     | 1.5  |
| 90 72 TC*                 |            |     | 2.9 |     |     |     |     |     | 3.6 |     |     | 2.4 |     |     |     |     |     | 1.0 |    |    |             |                     | 2.3  |
| 90 81 UC*                 |            |     |     |     |     | 3.6 |     |     | 3.9 |     |     |     |     |     |     |     |     |     |    |    |             |                     | **   |
| 91 66 TC*                 |            |     |     |     |     | 3.6 | 3.6 |     |     |     |     | 1.7 |     |     | 1.2 |     |     | 0.7 |    |    |             |                     | 2.1  |
| 91 72 TC*                 |            |     | 2.8 |     |     |     |     |     | 4.5 |     |     | 2.9 |     |     |     |     |     | 1.2 |    |    |             |                     | 2.7  |
| 92 67 UC                  | *          |     | 1.0 |     | 3.2 | 3.4 | 3.6 | 3.0 | 2.5 | 1.5 | 1.3 | 1.1 | 1.1 | 0.6 | 0.5 | 0.2 |     |     |    |    |             |                     | **   |
| 92 72 TC*                 |            |     |     |     | 2.5 |     |     |     | 2.7 |     |     | 3.1 |     |     |     |     |     | 0.6 |    |    |             |                     | 2.0  |
| 92 81 UC*                 |            |     |     |     | 4.2 |     |     |     | 4.1 |     |     |     |     |     |     |     |     |     |    |    |             |                     | **   |
| 93 57 UC                  |            |     |     |     |     | 3.5 |     |     | 2.7 |     |     | 1.8 |     |     | 0.9 |     |     |     |    |    |             |                     | 1.9  |
| 93 68 UC                  |            |     | 2.4 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |             |                     | **   |
| 94 72 TC*                 |            |     |     |     | 2.7 |     |     |     | 4.8 |     |     | 1.6 |     |     |     |     |     | 1.0 |    |    |             |                     | 2.5  |
| 94 73 TC*                 |            |     |     |     | 2.7 |     |     |     | 4.8 |     |     | 1.6 |     |     |     |     |     | 1.0 |    |    |             |                     | 2.5  |

**Table 6M** (*continued from p. 56, continues on p. 60*)  
 Number of cigarettes smoked per person per day, males

**East Germany (continued)**

| Year<br>Source<br>Product | Age Groups |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     | All<br>ages | %<br>Total<br>sales |     |     |    |
|---------------------------|------------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|---------------------|-----|-----|----|
|                           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20  | 25  | 30  | 35  | 40  | 45  | 50  | 55  | 60  | 65  | 70  | 75  | 80+         |                     |     |     |    |
| 95 73 TC*                 |            |    |    |    |    |    |    |    | 4.4 |     | 6.5 |     | 6.0 |     |     |     |     |     |     |     |             | 5.4                 | **  |     |    |
| 95 81 UC*                 |            |    |    |    |    |    |    |    |     | 7.9 |     | 8.1 |     | 5.6 |     |     |     |     |     |     |             |                     | **  |     |    |
| 97 81 UC*                 |            |    |    |    |    |    |    |    |     | 4.3 |     | 7.2 |     | 5.5 |     |     |     |     |     |     |             |                     | **  |     |    |
| 98 70 UC*                 |            |    |    |    |    |    |    |    | 9.6 | 9.8 | 10  |     | 8.0 | 4.8 |     |     | 2.4 | 2.1 |     |     |             | 7.2                 | **  |     |    |
| 98 84 UC                  |            |    |    |    |    |    |    |    |     | 4.0 | 6.9 | 7.7 | 6.9 | 7.1 | 9.2 | 6.5 | 6.3 | 5.2 | 3.7 | 1.8 | 1.1         | 0.1                 | 0.1 | 5.6 | ** |
| 01 84 UC                  |            |    |    |    |    |    |    |    |     | 5.1 | 6.8 | 7.1 | 7.1 | 8.0 | 8.6 | 8.1 | 7.7 | 4.9 | 3.9 | 1.9 | 1.0         | 1.0                 | 0.1 | 5.6 | ** |
| 02 73 TC                  |            |    |    |    |    |    |    |    |     | 4.9 |     | 7.0 |     | 7.7 |     |     |     |     |     |     |             |                     | 5.8 | **  |    |
| 02 84 UC                  |            |    |    |    |    |    |    |    |     | 4.9 | 7.2 | 7.9 | 7.7 | 8.6 | 8.4 | 8.6 | 7.7 | 6.7 | 3.5 | 2.3 | 0.8         | 0.9                 | 0.1 | 5.9 | ** |
| 04 84 UC                  |            |    |    |    |    |    |    |    |     | 3.2 | 6.8 | 6.9 | 6.9 | 7.5 | 6.7 | 8.2 | 4.7 | 6.8 | 3.5 | 2.6 | 0.9         | 0.1                 | 0.3 | 5.1 | ** |
| 05 73 TC                  |            |    |    |    |    |    |    |    |     | 5.3 |     | 7.1 |     | 6.5 |     |     |     |     |     |     |             |                     | 5.3 | **  |    |
| 06 73 TC                  |            |    |    |    |    |    |    |    |     | 7.3 |     | 5.8 |     | 4.4 |     |     |     |     |     |     |             |                     | 4.1 | **  |    |
| 06 84 UC                  |            |    |    |    |    |    |    |    |     | 3.9 | 7.7 | 6.0 | 7.0 | 7.0 | 5.9 | 7.9 | 5.4 | 4.5 | 4.3 | 1.9 | 1.1         | 0.5                 | 0.4 | 4.9 | ** |
| 08 84 UC                  |            |    |    |    |    |    |    |    |     | 1.7 | 4.2 | 4.4 | 5.9 | 5.6 | 7.2 | 6.4 | 7.2 | 4.1 | 4.5 | 2.5 | 1.5         | 0.8                 | 0.1 | 4.5 | ** |
| 09 73 TC                  |            |    |    |    |    |    |    |    |     | 2.7 |     | 8.1 |     | 8.1 |     |     |     |     |     |     |             |                     | 5.4 | **  |    |
| 10 84 UC                  |            |    |    |    |    |    |    |    |     | 4.9 | 4.1 | 6.2 | 4.7 | 4.6 | 5.7 | 5.1 | 7.3 | 3.7 | 4.5 | 1.9 | 1.9         | 0.5                 | 0.8 | 4.1 | ** |
| 12 73 TC                  |            |    |    |    |    |    |    |    |     | 3.3 |     | 8.5 |     | 6.5 |     |     |     |     |     |     |             |                     | 5.3 | **  |    |
| 12 84 UC                  |            |    |    |    |    |    |    |    |     | 2.7 | 4.9 | 6.0 | 5.7 | 6.8 | 5.3 | 7.6 | 6.9 | 5.3 | 4.5 | 3.7 | 1.7         | 1.3                 | 0.7 | 4.8 | ** |
| 14 84 UC                  |            |    |    |    |    |    |    |    |     | 2.2 | 6.1 | 6.9 | 5.3 | 7.0 | 4.5 | 6.3 | 5.9 | 6.6 | 5.0 | 3.6 | 2.0         | 1.2                 | 0.8 | 4.9 | ** |

**Germany**

| Year<br>Source<br>Product | Age Groups |     |     |     |    |     |    |    |     |     |     |     |     |     |     |     |     |     |     |     | All<br>ages | %<br>Total<br>sales |      |      |
|---------------------------|------------|-----|-----|-----|----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|---------------------|------|------|
|                           | 12         | 13  | 14  | 15  | 16 | 17  | 18 | 19 | -   | 25  | 30  | 35  | 40  | 45  | 50  | 55  | 60  | 65  | 70  | 75  | -           |                     |      |      |
| 90 72 TC*                 |            |     |     |     |    |     |    |    | 6.9 |     | 10  |     | 7.2 |     |     |     |     |     |     |     |             | 7.3                 | 82%T |      |
| 90 81 UC*                 |            |     |     |     |    |     |    |    | 6.4 |     | 8.4 |     |     |     |     |     |     |     |     |     |             |                     | **   |      |
| 91 36 UC                  |            |     |     |     |    |     |    |    |     | 8.5 | 9.3 |     | 8.2 |     | 5.9 |     | 3.3 |     |     |     |             | 7.3                 | **   |      |
| 91 72 TC*                 |            |     |     |     |    |     |    |    | 6.5 |     | 10  |     | 8.1 |     |     |     |     |     |     |     |             | 7.2                 | 85%T |      |
| 92 67 UC                  | *          |     |     |     |    |     |    |    | 2.1 | 5.2 | 6.4 | 7.2 | 7.2 | 6.7 | 6.2 | 5.1 | 4.3 | 3.6 | 2.6 | 2.2 | 1.2         | 4.9                 | 62%T |      |
| 92 72 TC*                 |            |     |     |     |    |     |    |    | 7.1 |     | 8.6 |     | 7.1 |     |     |     |     |     |     |     |             | 6.8                 | 83%T |      |
| 93 68 UC                  |            |     |     |     |    |     |    |    | 6.0 |     |     |     |     |     |     |     |     |     |     |     |             | **                  |      |      |
| 94 72 TC*                 |            |     |     |     |    |     |    |    | 6.9 |     | 9.0 |     | 7.9 |     |     |     |     |     |     |     |             | 6.6                 | 88%T |      |
| 94 73 TC*                 |            |     |     |     |    |     |    |    | 6.9 |     | 8.9 |     | 8.4 |     |     |     |     |     |     |     |             | 6.8                 | 89%T |      |
| 95 67 UC                  | *          |     |     |     |    |     |    |    | 2.1 | 5.1 | 6.1 | 6.8 | 7.0 | 6.6 | 6.1 | 5.1 | 4.1 | 3.4 | 2.5 | 1.9 | 1.1         | 4.6                 | 61%T |      |
| 95 73 TC*                 |            |     |     |     |    |     |    |    | 5.5 |     | 8.7 |     | 7.2 |     |     |     |     |     |     |     |             | 6.6                 | 81%T |      |
| 95 81 UC*                 |            |     |     |     |    |     |    |    | 5.4 |     | 7.1 |     | 5.7 |     |     |     |     |     |     |     |             |                     | **   |      |
| 97 81 UC*                 |            |     |     |     |    |     |    |    | 5.4 |     | 7.3 |     | 6.2 |     |     |     |     |     |     |     |             |                     | **   |      |
| 98 70 UC*                 |            |     |     |     |    |     |    |    | 6.5 | 7.1 | 8.4 |     | 7.5 | 5.0 |     |     | 2.6 | 1.8 |     |     |             | 6.0                 | 74%T |      |
| 98 84 UC                  |            |     |     |     |    |     |    |    | 4.3 | 7.2 | 8.8 | 8.2 | 8.3 | 11  | 8.4 | 6.8 | 6.1 | 4.4 | 3.9 | 1.7 | 1.3         | 0.4                 | 6.7  | 83%T |
| 99 67 UC                  |            |     |     |     |    |     |    |    | 2.9 | 5.7 | 6.4 | 6.8 | 7.2 | 7.3 | 6.8 | 5.7 | 4.4 | 3.3 | 2.7 | 1.9 | 1.0         | 5.1                 | 62%T |      |
| 00 81 UC*                 |            |     |     |     |    |     |    |    | 4.2 |     | 5.6 |     | 4.9 |     |     |     |     |     |     |     |             |                     | **   |      |
| 01 84 UC                  |            |     |     |     |    |     |    |    | 4.1 | 6.9 | 7.8 | 8.2 | 8.8 | 9.0 | 10  | 7.5 | 5.6 | 4.4 | 2.9 | 2.4 | 1.4         | 0.2                 | 6.5  | 81%T |
| 02 73 TC                  |            |     |     |     |    |     |    |    | 5.5 |     | 6.6 |     | 8.0 |     |     |     |     |     |     |     |             | 5.7                 | 71%T |      |
| 02 84 UC                  |            |     |     |     |    |     |    |    | 4.2 | 6.9 | 8.8 | 8.5 | 8.7 | 8.8 | 11  | 8.5 | 5.7 | 4.6 | 3.6 | 2.3 | 1.4         | 0.3                 | 6.7  | 84%T |
| 03 67 UC                  |            |     |     |     |    |     |    |    | 2.9 | 5.9 | 6.0 | 6.5 | 6.4 | 6.7 | 6.4 | 5.4 | 4.6 | 3.3 | 2.3 | 1.9 | 1.1         | 4.8                 | 63%T |      |
| 03 68 UC*                 | 0.3        | 2.6 |     |     |    |     |    |    |     |     |     |     |     |     |     |     |     |     |     |     |             | **                  |      |      |
| 03 71 UC*                 |            | 5.0 |     |     |    |     |    |    | 6.0 | 6.5 | 7.1 |     | 5.3 |     |     |     | 2.8 |     | 1.9 |     |             | 5.2                 | 69%T |      |
| 03 76 UC                  | 3.4        |     |     |     |    |     |    |    |     |     |     |     |     |     |     |     |     |     |     |     |             | **                  |      |      |
| 03 81 UC*                 |            | 3.4 | 4.4 | 5.8 |    | 5.7 |    |    | 6.6 |     | 4.6 |     |     |     |     |     |     |     |     |     |             | 5.5                 | **   |      |

**Table 6F** (*continued from p. 57, continues on p. 63*)  
Number of cigarettes smoked per person per day, females

**East Germany (continued)**

| Year<br>Source<br>Product | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages | %<br>Total<br>sales |
|---------------------------|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|---------------------|
|                           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80+         |                     |
| 95 73 TC*                 | 4.4        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1.8         | **                  |
| 95 81 UC*                 | 2.6        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | **                  |
| 97 81 UC*                 | 2.6        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | **                  |
| 98 70 UC*                 | 6.5        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3.8         | **                  |
| 98 84 UC                  | 2.7        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.0         | 2.3                 |
| 01 84 UC                  | 4.4        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.0         | 2.5                 |
| 02 73 TC                  | 5.4        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2.9         | **                  |
| 02 84 UC                  | 3.5        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.1         | 2.7                 |
| 04 84 UC                  | 2.7        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.6         | 2.5                 |
| 05 73 TC                  | 3.8        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2.4         | **                  |
| 06 73 TC                  | 3.8        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2.1         | **                  |
| 06 84 UC                  | 3.8        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.4         | 2.5                 |
| 08 84 UC                  | 3.9        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1.1         | 2.8                 |
| 09 73 TC                  | 4.7        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.8         | 3.0                 |
| 10 84 UC                  | 2.4        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.0         | 2.5                 |
| 12 73 TC                  | 5.5        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3.0         | **                  |
| 12 84 UC                  | 2.4        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.3         | 2.7                 |
| 14 84 UC                  | 2.7        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.4         | 2.8                 |

**Germany**

| Year<br>Source<br>Product | Age Groups |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All<br>ages | %<br>Total<br>sales |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------|------------|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|---------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                           | 12         | 13  | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80+         |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90 72 TC*                 | 4.1        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3.5         | 82%T                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90 81 UC*                 | 4.8        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | **                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 91 36 UC                  | 6.2        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3.9         | **                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 91 72 TC*                 | 4.8        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3.9         | 85%T                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 92 67 UC                  | *          | 1.4 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.3         | 2.4                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 92 72 TC*                 | 4.6        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3.5         | 83%T                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 93 68 UC                  | 4.4        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | **                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 94 72 TC*                 | 4.7        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3.9         | 88%T                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 94 73 TC*                 | 4.6        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3.9         | 89%T                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95 67 UC                  | *          | 1.2 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.3         | 2.4                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95 73 TC*                 | 3.3        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3.1         | 81%T                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95 81 UC*                 | 3.8        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | **                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 97 81 UC*                 | 2.6        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | **                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 98 70 UC*                 | 5.0        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3.5         | 74%T                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 98 84 UC                  | 3.0        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3.5         | 83%T                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 99 67 UC                  | 1.9        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2.6         | 62%T                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 00 81 UC*                 | 3.2        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | **                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 01 84 UC                  | 3.6        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3.8         | 81%T                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 02 73 TC                  | 5.0        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3.3         | 71%T                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 02 84 UC                  | 3.3        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 4.0         | 84%T                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 03 67 UC                  | 2.1        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2.6         | 63%T                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 03 68 UC*                 | 0.3        | 1.9 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | **                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 03 71 UC*                 | 4.9        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3.1         | 69%T                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 03 76 UC                  | 3.5        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |             | **                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 03 81 UC*                 | 2.9        |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3.5         | **                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Table 6M** (*continued from p. 58*)  
Number of cigarettes smoked per person per day, males

**Germany (continued)**

| Year<br>Source<br>Product | Age Groups |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | All<br>ages | %<br>Total<br>sales |       |      |
|---------------------------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|---------------------|-------|------|
|                           | 12         | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 25  | 30  | 35  | 40  | 45  | 50  | 55  | 60  | 65  | 70  | 75          | 80+                 |       |      |
| 04 68 UC*                 | 0.6        |     | 2.4 |     | 4.0 |     | 4.7 |     |     |     |     |     |     |     |     |     |     |     |     |             |                     | 3.0   | **   |
| 04 77 UC*                 |            | 0.6 | 1.6 | 3.3 | 4.1 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     |       | **   |
| 04 84 UC                  |            |     |     |     |     | 3.2 |     | 6.3 | 7.1 | 8.2 | 7.1 | 8.2 | 9.3 | 7.8 | 6.1 | 4.3 | 3.2 | 2.4 | 1.2 | 0.9         | 6.0                 | 90%T  |      |
| 05 67 UC                  |            |     |     |     |     | 2.6 |     | 5.6 | 5.9 | 5.9 | 6.1 | 6.4 | 6.3 | 5.3 | 4.5 | 3.2 | 2.2 | 1.6 | 0.9 |             | 4.5                 | 72%T  |      |
| 05 68 UC*                 | 0.4        |     | 2.1 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     |       | **   |
| 05 73 TC                  |            |     |     |     |     | 4.6 |     |     | 6.6 |     |     | 8.9 |     |     |     |     |     |     |     |             | 5.5                 | 82%T  |      |
| 06 73 TC                  |            |     |     |     |     | 3.5 |     |     | 4.3 |     |     | 6.2 |     |     |     |     |     |     |     |             | 4.0                 | 75%T  |      |
| 06 81 UC*                 |            |     |     |     |     | 3.8 | 3.6 | 4.9 | 5.6 |     | 5.3 |     | 5.2 | 3.7 |     |     |     |     |     |             | 4.9                 | 73%T  |      |
| 06 84 UC                  |            |     |     |     |     | 3.8 | 7.2 | 6.2 | 7.4 | 6.5 | 7.2 | 8.2 | 9.2 | 5.0 | 4.2 | 2.6 | 1.9 | 1.8 | 0.8 |             | 5.7                 | 102%T |      |
| 07 68 UC*                 | 0.2        |     | 2.0 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     |       | **   |
| 07 76 UC                  |            |     | 2.5 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     |       | **   |
| 08 68 UC*                 | 0.3        |     | 1.3 |     | 3.7 | 4.6 |     |     |     |     |     |     |     |     |     |     |     |     |     |             | 2.7                 | **    |      |
| 08 84 UC                  |            |     |     |     |     | 2.5 | 5.4 | 5.9 | 7.3 | 6.5 | 6.3 | 6.7 | 8.7 | 5.9 | 3.9 | 3.0 | 1.9 | 1.5 | 0.6 |             | 5.2                 | 98%T  |      |
| 09 67 UC                  |            |     |     |     |     | 2.1 |     | 4.9 | 5.7 | 5.7 | 5.5 | 5.6 | 5.7 | 5.5 | 4.4 | 3.4 | 2.2 | 1.5 | 0.8 |             | 4.2                 | 77%T  |      |
| 09 73 TC                  |            |     |     |     |     | 3.1 |     |     | 6.0 |     |     | 6.1 |     |     |     |     |     |     |     | 2.1         |                     | 4.3   | 79%T |
| 09 81 UC*                 |            |     |     |     |     | 2.6 | 3.9 | 5.1 | 4.1 |     | 4.4 |     | 4.3 | 2.7 |     |     |     |     |     |             | 4.1                 | 65%T  |      |
| 10 77 UC*                 | 0.0        |     | 0.9 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             | 0.5                 | **    |      |
| 10 79 TC*                 |            |     |     |     |     | *   |     | 5.4 |     | 5.3 |     | 5.4 |     | 3.0 |     | *   |     | *   |     |             | 4.0                 | 78%T  |      |
| 10 80 TC*                 |            |     |     |     |     |     |     | 4.8 |     | 5.9 |     |     | 4.4 |     |     |     | 1.4 |     |     |             | 4.3                 | 79%T  |      |
| 10 82 UC*                 | 0.2        |     | 1.6 |     | 3.1 | 4.1 |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     | **    |      |
| 10 84 UC                  |            |     |     |     |     | 2.5 | 4.3 | 6.3 | 6.3 | 5.8 | 6.8 | 7.0 | 8.1 | 5.8 | 4.9 | 2.8 | 2.0 | 1.5 | 0.8 |             | 5.0                 | 94%T  |      |
| 11 68 UC*                 | 0.4        |     |     |     |     | 3.2 |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     | **    |      |
| 11 76 UC                  |            |     | 1.9 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     | **    |      |
| 12 73 TC                  |            |     |     |     |     | 3.5 |     |     | 5.5 |     | 6.8 |     |     |     |     |     |     |     |     | 2.1         |                     | 4.3   | 74%T |
| 12 81 UC*                 |            |     |     |     |     | 1.6 | 3.4 | 5.3 | 5.8 |     | 4.8 |     | 4.5 | 4.1 |     |     |     |     |     |             | 4.6                 | 72%T  |      |
| 12 82 UC*                 | 0.6        |     |     |     |     | 3.0 |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     | **    |      |
| 12 84 UC                  |            |     |     |     |     | 1.5 | 4.6 | 5.4 | 5.4 | 6.3 | 6.0 | 7.2 | 7.2 | 6.3 | 4.4 | 3.3 | 2.1 | 1.3 | 0.9 |             | 4.8                 | 94%T  |      |
| 13 67 UC                  |            |     | 1.5 |     |     | 4.1 | 5.1 | 5.5 | 5.3 | 5.1 | 5.1 | 5.1 | 4.5 | 3.5 | 2.4 | 1.5 | 0.8 |     |     | 3.8         | 74%T                |       |      |
| 14 83 UC*                 | 0.6        |     |     |     |     | 3.9 |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     | **    |      |
| 14 84 UC                  |            |     |     |     |     | 2.4 | 4.3 | 5.2 | 5.9 | 5.4 | 5.5 | 5.7 | 6.3 | 6.5 | 5.0 | 3.6 | 1.6 | 1.0 | 0.6 |             | 4.5                 | 90%T  |      |
| 15 69 UC*                 | 0.3        |     |     |     |     | 2.4 |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     | **    |      |

Source: See *Notes on sources of survey data*, p. 90  
 Product: MC = manufactured cigarettes  
 TC = total cigarettes (including hand-rolled)  
 UC = cigarettes (type unspecified)  
 A = all products  
 U = unspecified

\* = refer to *Notes on sources of survey data*, p. 90  
 All ages: relates to ages reported; as given in original source  
 % Total sales: estimated % of total sales of M = manufactured or T = total cigarette consumption implied by survey, sexes combined, (m – see Methods p. 12)  
 \*\* = cannot be calculated (including post-1990 for W & E)  
 -- = adjusted by original author

**Table 6F** (continued from p. 59)  
Number of cigarettes smoked per person per day, females

**Germany (continued)**

| Year<br>Source<br>Product | Age Groups |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | All<br>ages | %<br>Total<br>sales |       |      |    |
|---------------------------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|---------------------|-------|------|----|
|                           | 12         | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 25  | 30  | 35  | 40  | 45  | 50  | 55  | 60  | 65  | 70  | 75  | 80+         |                     |       |      |    |
| 04 68 UC*                 | 0.4        |     | 2.3 |     | 3.1 |     | 3.9 |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     | 2.4   | **   |    |
| 04 77 UC*                 |            | 0.9 | 1.8 | 2.3 | 3.1 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     |       | **   |    |
| 04 84 UC                  |            |     |     |     |     | 2.8 |     | 4.9 | 5.1 | 3.7 | 4.8 | 6.2 | 4.9 | 5.3 | 3.8 | 2.5 | 1.4 | 0.9 | 1.1 | 0.4 |             | 3.6                 | 90%T  |      |    |
| 05 67 UC                  |            |     |     |     |     | 2.0 |     | 3.8 | 3.6 | 3.3 | 3.8 | 4.1 | 4.0 | 3.3 | 2.5 | 1.7 | 1.1 | 0.7 | 0.4 |     |             | 2.6                 | 72%T  |      |    |
| 05 68 UC*                 | 0.3        |     | 1.5 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     |       | **   |    |
| 05 73 TC                  |            |     |     |     |     | 4.1 |     |     |     | 3.6 |     |     |     | 2.8 |     |     |     |     | 1.5 |     |             | 2.6                 | 82%T  |      |    |
| 06 73 TC                  |            |     |     |     |     | 4.0 |     |     |     | 4.0 |     |     |     | 3.6 |     |     |     |     | 0.9 |     |             | 2.7                 | 75%T  |      |    |
| 06 81 UC*                 |            |     |     |     |     | 2.8 | 3.5 | 3.0 | 3.0 |     |     |     | 3.4 |     | 2.5 | 1.8 |     |     |     |     |             | 3.0                 | 73%T  |      |    |
| 06 84 UC                  |            |     |     |     |     | 3.6 | 5.0 | 4.0 | 3.9 | 4.6 | 6.3 | 5.7 | 4.9 | 3.3 | 2.6 | 1.8 | 0.8 | 0.7 | 0.6 |     |             | 3.7                 | 102%T |      |    |
| 07 68 UC*                 | 0.2        |     | 1.3 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     |       | **   |    |
| 07 76 UC                  |            |     | 2.0 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     |       | **   |    |
| 08 68 UC*                 | 0.4        |     | 1.0 |     | 3.0 | 3.3 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     | 2.1   | **   |    |
| 08 84 UC                  |            |     |     |     |     | 2.1 | 3.9 | 3.9 | 3.7 | 3.4 | 5.0 | 5.3 | 4.6 | 3.8 | 2.6 | 2.0 | 1.2 | 0.6 | 0.7 |     |             |                     | 3.3   | 98%T |    |
| 09 67 UC                  |            |     |     |     |     | 1.4 |     | 3.4 | 3.4 | 3.1 | 3.2 | 3.6 | 3.7 | 3.4 | 2.6 | 2.0 | 1.2 | 0.7 | 0.3 |     |             |                     | 2.4   | 77%T |    |
| 09 73 TC                  |            |     |     |     |     | 3.2 |     |     |     | 3.6 |     |     |     | 3.5 |     |     |     |     | 1.2 |     |             | 2.5                 | 79%T  |      |    |
| 09 81 UC*                 |            |     |     |     |     | 1.4 | 2.6 | 2.7 | 2.5 |     |     |     | 2.9 |     | 2.7 | 1.9 |     |     |     |     |             |                     | 2.5   | 65%T |    |
| 10 77 UC*                 | 0.0        |     | 0.8 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     |       | 0.5  | ** |
| 10 79 TC*                 |            |     |     |     |     | *   |     | 3.6 |     | 3.5 |     | 3.7 |     | 2.6 |     | *   | *   |     |     |     |             |                     | 2.6   | 78%T |    |
| 10 80 TC*                 |            |     |     |     |     | 3.5 |     |     | 3.6 |     |     |     |     | 3.3 |     |     |     | 0.9 |     |     |             |                     | 2.9   | 79%T |    |
| 10 82 UC*                 | 0.2        |     | 0.9 |     | 1.8 | 3.8 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     |       | **   |    |
| 10 84 UC                  |            |     |     |     |     | 1.9 | 3.0 | 3.7 | 3.4 | 2.9 | 4.0 | 5.3 | 4.2 | 4.0 | 2.8 | 1.9 | 1.1 | 0.6 | 0.6 |     |             |                     | 3.0   | 94%T |    |
| 11 68 UC*                 |            | 0.5 |     |     |     | 2.8 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     |       | **   |    |
| 11 76 UC                  |            |     | 1.6 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     |       | **   |    |
| 12 73 TC                  |            |     |     |     |     | 1.2 |     |     | 2.7 |     | 2.8 |     |     |     |     |     |     |     | 1.3 |     |             | 1.9                 | 74%T  |      |    |
| 12 81 UC*                 |            |     |     |     |     | 0.9 | 1.9 | 2.6 | 2.2 |     |     |     |     | 3.3 |     | 3.1 | 2.0 |     |     |     |             |                     | 2.6   | 72%T |    |
| 12 82 UC*                 | 0.4        |     |     |     |     | 2.3 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     |       | **   |    |
| 12 84 UC                  |            |     |     |     |     | 1.5 | 3.2 | 3.6 | 3.8 | 3.5 | 3.9 | 5.1 | 4.7 | 4.0 | 3.1 | 2.2 | 1.6 | 1.1 | 0.4 |     |             |                     | 3.2   | 94%T |    |
| 13 67 UC                  |            |     | *   |     |     | 2.7 |     | 3.2 | 3.1 | 2.9 | 3.2 | 3.4 | 3.3 | 2.9 | 2.0 | 1.5 | 0.8 | 0.3 |     |     |             |                     | 2.2   | 74%T |    |
| 14 83 UC*                 | 0.6        |     |     |     |     | 2.7 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     |       | **   |    |
| 14 84 UC                  |            |     |     |     |     | 1.4 | 2.3 | 2.9 | 3.7 | 3.2 | 3.7 | 4.2 | 4.2 | 3.9 | 3.3 | 2.8 | 1.8 | 0.7 | 0.3 |     |             |                     | 3.0   | 90%T |    |
| 15 69 UC*                 | 0.4        |     |     |     |     | 1.8 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |                     |       | **   |    |

Source: See *Notes on sources of survey data*, p. 90  
 Product: MC = manufactured cigarettes  
 TC = total cigarettes (including hand-rolled)  
 UC = cigarettes (type unspecified)  
 A = all products  
 U = unspecified

\* = refer to *Notes on sources of survey data*, p. 90  
 All ages: relates to ages reported; as given in original source  
 % Total sales: estimated % of total sales of M = manufactured or T = total cigarette consumption implied by survey, sexes combined, (m – see Methods p. 12)  
 \*\* = cannot be calculated (including post-1990 for W & E)  
 -- = adjusted by original author

**Table 7M** Number of cigarettes smoked per person per day, sales-adjusted, males:  
selected surveys<sup>1</sup> by age; with percentage total sales  
(continues on p. 66)

### West Germany

| Year | Source | Product | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All ages | % Total sales |      |      |
|------|--------|---------|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|---------------|------|------|
|      |        |         | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80+      |               |      |      |
| 78   | 34     | UC      |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |               | 78%T |      |
| 78   | 67     | UC      | *          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 11            | 55%T |      |
| 80   | 10     | MC      |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |               | --   |      |
| 81   | 1      | TC      |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |               | 9.6  | 75%T |
| 82   | 10     | MC      |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |               | --   |      |
| 84   | 4      | TC*     |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |               | 90%T |      |
| 87   | 72     | UC*     |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |               | 8.6  | 83%T |
| 88   | 72     | TC*     |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |               | 8.8  | 91%T |
| 89   | 67     | UC      | *          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |               | 8.9  | 56%T |
| 89   | 72     | TC*     |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |               | 8.9  | 73%T |
| 90   | 72     | TC*     |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |               | 9.0  | 82%T |

### East Germany

| Year | Source | Product | Age Groups |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | All ages | % Total sales |      |
|------|--------|---------|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|---------------|------|
|      |        |         | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80+      |               |      |
| 88   | 64     | UC      |            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |               | 60%m |

**Table 7F** Number of cigarettes smoked per person per day, sales-adjusted, females:  
selected surveys<sup>1</sup> by age; with percentage total sales  
(continues on p. 67)

### West Germany

| Year | Source | Product | Age Groups |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    | % Total sales |  |     |      |  |  |  |  |      |
|------|--------|---------|------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|----|---------------|--|-----|------|--|--|--|--|------|
|      |        |         | 12         | 13 | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 25  | 30  | 35  | 40  | 45  | 50  | 55  | 60 | 65  | 70 | 75            |  |     |      |  |  |  |  |      |
| 78   | 34     | UC      |            |    |     |     |     |     |     |     | 5.6 |     |     |     |     |     |     |     |    |     |    |               |  |     |      |  |  |  |  | 78%T |
| 78   | 67     | UC      | *          |    | 3.2 | 6.8 | 9.1 | 8.3 |     | 6.0 |     | 4.1 |     | 3.5 | 2.1 |     |     | 0.9 |    |     |    |               |  | 3.8 | 55%T |  |  |  |  |      |
| 80   | 10     | MC      |            |    |     |     |     |     |     |     | 5.0 |     |     |     |     |     |     |     |    |     |    |               |  |     |      |  |  |  |  | --   |
| 81   | 1      | TC      |            |    | 4.2 |     | 9.1 |     | 8.2 |     | 5.6 |     | 4.7 |     | 2.0 |     |     | 0.9 |    |     |    |               |  | 5.0 | 75%T |  |  |  |  |      |
| 82   | 10     | MC      |            |    |     |     |     |     |     |     | 4.5 |     |     |     |     |     |     |     |    |     |    |               |  |     |      |  |  |  |  | --   |
| 84   | 4      | TC*     |            |    |     |     |     |     |     |     | 4.2 |     |     |     |     |     |     |     |    |     |    |               |  |     |      |  |  |  |  | 90%T |
| 87   | 72     | UC*     |            |    | 5.5 |     |     |     | 7.9 |     | 7.1 |     |     |     |     |     |     |     |    | 2.3 |    |               |  | 5.2 | 83%T |  |  |  |  |      |
| 88   | 72     | TC*     |            |    | 4.5 |     |     |     | 7.9 |     | 5.0 |     |     |     |     |     |     |     |    | 3.4 |    |               |  | 5.0 | 91%T |  |  |  |  |      |
| 89   | 67     | UC      | *          |    | 2.8 |     | 7.1 | 8.4 | 8.4 | 8.0 | 7.1 | 5.0 | 3.7 | 3.0 | 2.8 | 2.0 | 1.6 | 0.5 |    |     |    |               |  | 4.5 | 56%T |  |  |  |  |      |
| 89   | 72     | TC*     |            |    | 4.0 |     |     |     | 6.4 |     | 5.5 |     |     |     |     |     |     |     |    | 4.1 |    |               |  | 5.0 | 73%T |  |  |  |  |      |
| 90   | 72     | TC*     |            |    | 5.4 |     |     |     | 6.0 |     | 5.1 |     |     |     |     |     |     |     |    | 3.1 |    |               |  | 4.6 | 82%T |  |  |  |  |      |

### East Germany

| Year | Source | Product | Age Groups |    |     |    |     |    |     |    |     |    |     |    |     |    |    |     |    |    |    | % Total sales |      |
|------|--------|---------|------------|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|----|-----|----|----|----|---------------|------|
|      |        |         | 12         | 13 | 14  | 15 | 16  | 17 | 18  | 19 | 20  | 25 | 30  | 35 | 40  | 45 | 50 | 55  | 60 | 65 | 70 | 75            |      |
| 88   | 64     | UC      |            |    | 3.9 |    | 6.5 |    | 5.8 |    | 4.2 |    | 3.2 |    | 2.2 |    |    | 1.5 |    |    |    |               | 60%m |

**Table 7M** (*continued from p. 64*)

Number of cigarettes smoked per person per day, sales adjusted, males

**Germany**

| Year | Source | Product | Age Groups |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     | All ages | % Total sales |     |      |       |
|------|--------|---------|------------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|---------------|-----|------|-------|
|      |        |         | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20  | 25  | 30  | 35  | 40  | 45  | 50  | 55  | 60  | 65  | 70  | 75       | 80+           |     |      |       |
| 90   | 72     | TC*     |            |    |    |    |    |    |    |    | 8.5 |     | 13  |     | 8.8 |     |     |     |     |     | 5.7 |          |               | 8.9 | 82%T |       |
| 91   | 72     | TC*     |            |    |    |    |    |    |    |    | 7.7 |     | 12  |     | 9.5 |     |     |     |     |     | 4.2 |          |               | 8.5 | 85%T |       |
| 92   | 67     | UC      | *          |    |    |    |    |    |    |    | 3.4 | 8.4 | 10  | 12  | 12  | 11  | 10  | 8.3 | 7.0 | 5.8 | 4.2 | 3.6      | 1.9           | 8.0 | 62%T |       |
| 92   | 72     | TC*     |            |    |    |    |    |    |    |    | 8.5 |     | 10  |     | 8.6 |     |     |     |     |     | 5.4 |          |               | 8.2 | 83%T |       |
| 94   | 72     | TC*     |            |    |    |    |    |    |    |    | 7.8 |     | 10  |     | 9.0 |     |     |     |     |     | 3.5 |          |               | 7.6 | 88%T |       |
| 94   | 73     | TC*     |            |    |    |    |    |    |    |    | 7.8 |     | 10  |     | 9.5 |     |     |     |     |     | 3.4 |          |               | 7.7 | 89%T |       |
| 95   | 67     | UC      | *          |    |    |    |    |    |    |    | 3.4 | 8.3 | 10  | 11  | 11  | 11  | 10  | 8.3 | 6.7 | 5.5 | 4.1 | 3.1      | 1.8           | 7.5 | 61%T |       |
| 95   | 73     | TC*     |            |    |    |    |    |    |    |    | 6.8 |     | 11  |     | 8.9 |     |     |     |     |     | 5.9 |          |               | 8.2 | 81%T |       |
| 98   | 70     | UC*     |            |    |    |    |    |    |    |    | 8.7 |     | 9.6 |     | 11  |     | 10  |     | 6.7 |     | 3.5 |          | 2.4           |     | 8.2  | 74%T  |
| 98   | 84     | UC      |            |    |    |    |    |    |    |    | 5.1 | 8.7 | 11  | 9.8 | 10  | 13  | 10  | 8.2 | 7.4 | 5.3 | 4.8 | 2.0      | 1.6           | 0.5 | 8.1  | 83%T  |
| 99   | 67     | UC      |            |    |    |    |    |    |    |    | 4.7 | 9.2 | 10  | 11  | 12  | 12  | 11  | 9.2 | 7.1 | 5.3 | 4.3 | 3.1      | 1.6           |     | 8.2  | 62%T  |
| 01   | 84     | UC      |            |    |    |    |    |    |    |    | 5.1 | 8.4 | 9.5 | 10  | 11  | 11  | 12  | 9.2 | 6.9 | 5.4 | 3.6 | 3.0      | 1.7           | 0.3 | 8.0  | 81%T  |
| 02   | 73     | TC      |            |    |    |    |    |    |    |    | 7.7 |     | 9.3 |     | 11  |     |     |     |     |     | 4.5 |          |               | 8.0 | 71%T |       |
| 02   | 84     | UC      |            |    |    |    |    |    |    |    | 5.0 | 8.2 | 10  | 10  | 10  | 10  | 13  | 10  | 6.8 | 5.5 | 4.2 | 2.8      | 1.6           | 0.4 | 8.0  | 84%T  |
| 03   | 67     | UC      |            |    |    |    |    |    |    |    | 4.6 | 9.3 | 9.5 | 10  | 10  | 11  | 10  | 8.6 | 7.3 | 5.2 | 3.6 | 2.9      | 1.8           |     | 7.6  | 63%T  |
| 03   | 71     | UC*     |            |    |    |    |    |    |    |    | 7.3 | 8.7 |     | 9.4 |     | 10  |     | 7.7 |     | 4.1 |     | 2.7      |               |     | 7.6  | 69%T  |
| 04   | 84     | UC      |            |    |    |    |    |    |    |    | 3.5 | 7.0 | 7.9 | 9.1 | 7.9 | 9.1 | 10  | 8.6 | 6.8 | 4.8 | 3.5 | 2.6      | 1.3           | 0.9 | 6.6  | 90%T  |
| 05   | 67     | UC      |            |    |    |    |    |    |    |    | 3.7 | 7.8 | 8.2 | 8.3 | 8.5 | 8.9 | 8.8 | 7.4 | 6.2 | 4.4 | 3.0 | 2.2      | 1.3           |     | 6.3  | 72%T  |
| 05   | 73     | TC      |            |    |    |    |    |    |    |    | 5.6 |     | 8.0 |     | 11  |     |     |     |     |     | 3.1 |          |               | 6.8 | 82%T |       |
| 06   | 73     | TC      |            |    |    |    |    |    |    |    | 4.6 |     | 5.7 |     | 8.3 |     |     |     |     |     | 3.1 |          |               | 5.4 | 75%T |       |
| 06   | 81     | UC*     |            |    |    |    |    |    |    |    | 5.1 | 5.0 | 6.6 | 7.6 |     | 7.2 |     | 7.1 |     | 5.0 |     |          |               |     | 6.7  | 73%T  |
| 06   | 84     | UC      |            |    |    |    |    |    |    |    | 3.8 | 7.1 | 6.1 | 7.2 | 6.4 | 7.0 | 8.0 | 9.0 | 4.9 | 4.1 | 2.5 | 1.9      | 1.8           | 0.8 | 5.5  | 102%T |
| 08   | 84     | UC      |            |    |    |    |    |    |    |    | 2.5 | 5.5 | 6.0 | 7.4 | 6.6 | 6.4 | 6.8 | 8.9 | 6.0 | 4.0 | 3.1 | 2.0      | 1.6           | 0.6 | 5.3  | 98%T  |
| 09   | 67     | UC      |            |    |    |    |    |    |    |    | 2.7 | 6.3 | 7.5 | 7.4 | 7.1 | 7.3 | 7.4 | 7.2 | 5.7 | 4.5 | 2.8 | 1.9      | 1.1           |     | 5.4  | 77%T  |
| 09   | 73     | TC      |            |    |    |    |    |    |    |    | 4.0 |     | 7.6 |     | 7.7 |     |     |     |     |     | 2.7 |          |               | 5.4 | 79%T |       |
| 09   | 81     | UC*     |            |    |    |    |    |    |    |    | 4.0 | 5.9 | 7.8 | 6.2 |     | 6.7 |     | 6.6 |     | 4.1 |     |          |               |     | 6.2  | 65%T  |
| 10   | 79     | TC*     |            |    |    |    |    |    |    |    | *   | 7.0 |     | 6.9 |     | 7.0 |     | 3.8 |     | *   |     | *        |               |     | 5.1  | 78%T  |
| 10   | 80     | TC*     |            |    |    |    |    |    |    |    | 6.0 |     | 7.4 |     |     |     | 5.5 |     |     |     | 1.7 |          |               | 5.4 | 79%T |       |
| 10   | 84     | UC      |            |    |    |    |    |    |    |    | 2.6 | 4.6 | 6.7 | 6.7 | 6.1 | 7.2 | 7.4 | 8.6 | 6.1 | 5.2 | 3.0 | 2.1      | 1.6           | 0.9 | 5.3  | 94%T  |
| 12   | 73     | TC      |            |    |    |    |    |    |    |    | 4.7 |     | 7.3 |     | 9.1 |     |     |     |     |     | 2.8 |          |               | 5.8 | 74%T |       |
| 12   | 81     | UC*     |            |    |    |    |    |    |    |    | 2.2 | 4.7 | 7.3 | 8.0 |     | 6.6 |     | 6.3 |     | 5.7 |     |          |               |     | 6.4  | 72%T  |
| 12   | 84     | UC      |            |    |    |    |    |    |    |    | 1.6 | 4.9 | 5.7 | 5.8 | 6.7 | 6.4 | 7.6 | 7.7 | 6.7 | 4.7 | 3.6 | 2.2      | 1.3           | 0.9 | 5.1  | 94%T  |
| 13   | 67     | UC      |            |    |    |    |    |    |    |    | 2.1 | 5.5 | 6.9 | 7.5 | 7.2 | 6.9 | 7.0 | 7.0 | 6.2 | 4.8 | 3.2 | 2.1      | 1.1           |     | 5.2  | 74%T  |
| 14   | 84     | UC      |            |    |    |    |    |    |    |    | 2.6 | 4.9 | 5.9 | 6.5 | 6.1 | 6.1 | 6.3 | 7.0 | 7.3 | 5.6 | 4.1 | 1.7      | 1.2           | 0.7 | 5.0  | 90%T  |

1 Based on those surveys in Table 6 with data for both sexes and age range at least 21-64 (see *Cigarette consumption per person*, Methods p. 11), but excluding post-1990 for West and East Germany

Source: *Notes on sources of survey data*, p. 90 \* = refer to *Notes on sources of survey data*, p. 90  
 Product: MC = manufactured cigarettes All ages: relates to ages reported; as given in original source  
 TC = total cigarettes (including hand-rolled) % Total sales: Adjustment factor used, estimated % of total sales  
 UC = cigarettes (type unspecified) of M = manufactured or T = total cigarette consumption implied by survey, sexes combined. (m – see Methods p. 12)  
 A = all products -- = adjusted by original author  
 U = unspecified

**Table 7F** (continued from p. 65)  
Number of cigarettes smoked per person per day, sales adjusted, females

**Germany**

| Year<br>Source<br>Product | Age Groups |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |     | All<br>ages | %<br>Total<br>sales |     |      |     |     |      |       |
|---------------------------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-------------|---------------------|-----|------|-----|-----|------|-------|
|                           | 12         | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 25  | 30  | 35  | 40  | 45  | 50  | 55  | 60  | 65  | 70   | 75  | 80+         |                     |     |      |     |     |      |       |
| 90 72 TC*                 |            |     | 5.1 |     | 5.6 |     | 4.7 |     | 2.7 |     |     |     |     |     |     |     |     |     |      |     | 4.3         | 82%T                |     |      |     |     |      |       |
| 91 72 TC*                 |            |     | 5.6 |     | 7.9 |     | 5.2 |     | 1.8 |     |     |     |     |     |     |     |     |     |      |     | 4.6         | 85%T                |     |      |     |     |      |       |
| 92 67 UC                  | *          | 2.3 |     | 5.7 |     | 6.7 |     | 7.1 |     | 6.2 |     | 5.0 |     | 3.2 |     | 2.6 |     | 2.3 |      | 1.6 |             | 0.5                 | 3.9 | 62%T |     |     |      |       |
| 92 72 TC*                 |            |     | 5.5 |     | 5.9 |     | 6.0 |     | 1.2 |     |     |     |     |     |     |     |     |     |      |     | 4.2         | 83%T                |     |      |     |     |      |       |
| 94 72 TC*                 |            |     | 5.3 |     | 7.1 |     | 5.4 |     | 1.8 |     |     |     |     |     |     |     |     |     |      |     | 4.5         | 88%T                |     |      |     |     |      |       |
| 94 73 TC*                 |            |     | 5.2 |     | 7.1 |     | 5.3 |     | 1.7 |     |     |     |     |     |     |     |     |     |      |     | 4.4         | 89%T                |     |      |     |     |      |       |
| 95 67 UC                  | *          | 2.0 |     | 5.5 |     | 6.5 |     | 7.0 |     | 6.4 |     | 5.5 |     | 3.8 |     | 2.8 |     | 2.0 |      | 1.6 |             | 0.5                 | 3.9 | 61%T |     |     |      |       |
| 95 73 TC*                 |            |     | 4.1 |     | 6.6 |     | 5.2 |     | 1.1 |     |     |     |     |     |     |     |     |     |      |     | 3.8         | 81%T                |     |      |     |     |      |       |
| 98 70 UC*                 |            |     | 6.7 |     | 6.0 |     | 7.2 |     | 6.3 |     | 3.7 |     | 2.0 |     | 0.9 |     | 4.7 |     | 74%T |     | 4.7         | 74%T                |     |      |     |     |      |       |
| 98 84 UC                  |            |     | 3.6 |     | 6.3 |     | 5.8 |     | 6.4 |     | 7.6 |     | 6.1 |     | 5.5 |     | 5.0 |     | 2.9  |     | 2.0         |                     | 1.8 | 0.9  | 0.9 | 0.6 | 4.2  | 83%T  |
| 99 67 UC                  |            |     | 3.1 |     | 5.8 |     | 6.1 |     | 6.8 |     | 7.1 |     | 7.0 |     | 6.0 |     | 5.1 |     | 3.1  |     | 2.2         |                     | 1.6 | 1.3  | 0.6 | 4.3 | 62%T |       |
| 01 84 UC                  |            |     | 4.4 |     | 5.6 |     | 5.8 |     | 5.9 |     | 7.7 |     | 7.3 |     | 7.1 |     | 5.4 |     | 4.4  |     | 2.9         |                     | 1.4 | 1.5  | 1.1 | 0.6 | 4.6  | 81%T  |
| 02 73 TC                  |            |     | 7.0 |     | 6.4 |     | 5.5 |     | 2.2 |     |     |     |     |     |     |     |     |     |      |     | 4.7         | 71%T                |     |      |     |     |      |       |
| 02 84 UC                  |            |     | 3.9 |     | 6.3 |     | 6.3 |     | 5.9 |     | 6.9 |     | 7.5 |     | 7.4 |     | 5.7 |     | 4.7  |     | 3.0         |                     | 1.4 | 1.4  | 1.5 | 0.4 | 4.7  | 84%T  |
| 03 67 UC                  |            |     | 3.3 |     | 6.1 |     | 5.6 |     | 5.9 |     | 6.3 |     | 6.5 |     | 6.0 |     | 5.0 |     | 3.8  |     | 2.3         |                     | 1.6 | 1.2  | 0.6 | 4.1 | 63%T |       |
| 03 71 UC*                 |            |     | 7.2 |     | 5.6 |     | 6.6 |     | 6.2 |     | 5.6 |     | 2.4 |     | 0.6 |     |     |     |      |     | 4.5         | 69%T                |     |      |     |     |      |       |
| 04 84 UC                  |            |     | 3.1 |     | 5.4 |     | 5.6 |     | 4.1 |     | 5.4 |     | 6.9 |     | 5.4 |     | 5.9 |     | 4.2  |     | 2.8         |                     | 1.6 | 1.0  | 1.2 | 0.4 | 4.0  | 90%T  |
| 05 67 UC                  |            |     | 2.8 |     | 5.3 |     | 5.0 |     | 4.7 |     | 5.2 |     | 5.7 |     | 5.6 |     | 4.6 |     | 3.5  |     | 2.4         |                     | 1.5 | 1.0  | 0.5 | 3.6 | 72%T |       |
| 05 73 TC                  |            |     | 5.0 |     | 4.4 |     | 3.4 |     | 1.8 |     |     |     |     |     |     |     |     |     |      |     | 3.2         | 82%T                |     |      |     |     |      |       |
| 06 73 TC                  |            |     | 5.4 |     | 5.3 |     | 4.8 |     | 3.7 |     | 4.8 |     | 4.1 |     | 2.9 |     | 1.3 |     |      |     | 3.6         | 75%T                |     |      |     |     |      |       |
| 06 81 UC*                 |            |     | 3.9 |     | 4.8 |     | 4.2 |     | 4.1 |     | 4.7 |     | 3.4 |     | 2.5 |     |     |     |      |     | 4.1         | 73%T                |     |      |     |     |      |       |
| 06 84 UC                  |            |     | 3.6 |     | 4.9 |     | 3.9 |     | 3.8 |     | 4.5 |     | 6.1 |     | 5.6 |     | 4.8 |     | 3.2  |     | 2.5         |                     | 1.8 | 0.8  | 0.7 | 0.6 | 3.6  | 102%T |
| 08 84 UC                  |            |     | 2.2 |     | 4.0 |     | 4.0 |     | 3.7 |     | 3.5 |     | 5.0 |     | 5.4 |     | 4.7 |     | 3.8  |     | 2.6         |                     | 2.1 | 1.3  | 0.6 | 0.7 | 3.4  | 98%T  |
| 09 67 UC                  |            |     | 1.8 |     | 4.4 |     | 4.4 |     | 4.0 |     | 4.2 |     | 4.7 |     | 4.8 |     | 4.4 |     | 3.4  |     | 2.6         |                     | 1.6 | 0.9  | 0.4 | 3.1 | 77%T |       |
| 09 73 TC                  |            |     | 4.1 |     | 4.6 |     | 4.4 |     | 4.4 |     | 4.6 |     | 4.4 |     | 4.1 |     | 2.9 |     | 1.5  |     |             |                     | 3.2 | 79%T |     |     |      |       |
| 09 81 UC*                 |            |     | 2.1 |     | 3.9 |     | 4.1 |     | 3.8 |     | 4.4 |     | 4.1 |     | 2.9 |     |     |     |      |     | 3.9         | 65%T                |     |      |     |     |      |       |
| 10 79 TC*                 |            |     | *   |     | 4.6 |     | 4.5 |     | 4.8 |     | 3.4 |     | 4.2 |     | 1.1 |     |     |     |      |     | 3.4         | 78%T                |     |      |     |     |      |       |
| 10 80 TC*                 |            |     | 4.4 |     | 4.5 |     | 4.2 |     | 4.0 |     | 4.7 |     | 4.8 |     | 4.4 |     | 3.4 |     | 1.1  |     |             |                     | 3.7 | 79%T |     |     |      |       |
| 10 84 UC                  |            |     | 2.0 |     | 3.2 |     | 4.0 |     | 3.6 |     | 3.1 |     | 4.3 |     | 5.6 |     | 4.4 |     | 4.3  |     | 2.9         |                     | 2.0 | 1.2  | 0.7 | 0.6 | 3.2  | 94%T  |
| 12 73 TC                  |            |     | 1.7 |     | 3.6 |     | 3.6 |     | 3.0 |     | 4.6 |     | 4.3 |     | 2.8 |     |     |     |      |     | 2.6         | 74%T                |     |      |     |     |      |       |
| 12 81 UC*                 |            |     | 1.3 |     | 2.6 |     | 3.6 |     | 3.0 |     | 4.6 |     | 4.3 |     | 2.8 |     |     |     |      |     | 3.7         | 72%T                |     |      |     |     |      |       |
| 12 84 UC                  |            |     | 1.6 |     | 3.4 |     | 3.8 |     | 4.0 |     | 3.7 |     | 4.2 |     | 5.4 |     | 5.0 |     | 4.2  |     | 3.3         |                     | 2.3 | 1.7  | 1.1 | 0.4 | 3.4  | 94%T  |
| 13 67 UC                  |            |     | *   |     | 3.6 |     | 4.3 |     | 4.2 |     | 3.9 |     | 4.3 |     | 4.7 |     | 4.5 |     | 4.0  |     | 2.8         |                     | 2.0 | 1.1  | 0.5 | 3.0 | 74%T |       |
| 14 84 UC                  |            |     | 1.6 |     | 2.6 |     | 3.3 |     | 4.1 |     |     |     |     |     |     |     |     |     |      |     |             |                     |     |      |     |     |      |       |

**Table 8** Estimated<sup>1</sup> prevalence of smoking and estimated<sup>1</sup> number of cigarettes per person per day (unadjusted and sales-adjusted): summary of Tables 4, 6 and 7.  
Males and females aged 15 years and over

### West Germany

| Year | Source <sup>2</sup> | Product <sup>3</sup> | Prevalence <sup>4</sup> |    |    |                               |    |                           | Number of cigarettes |                         |    |                             |              |                         | Manufactured cigarettes |                               | Total cigarettes <sup>9</sup> |   |
|------|---------------------|----------------------|-------------------------|----|----|-------------------------------|----|---------------------------|----------------------|-------------------------|----|-----------------------------|--------------|-------------------------|-------------------------|-------------------------------|-------------------------------|---|
|      |                     |                      | Manufactured cigarettes |    |    | Total cigarettes <sup>5</sup> |    | All products <sup>6</sup> |                      | Unadjusted <sup>7</sup> |    | Sales-adjusted <sup>8</sup> |              | Manufactured cigarettes |                         | Total cigarettes <sup>9</sup> |                               |   |
|      |                     |                      | M                       | F  | M  | F                             | M  | M                         | F                    | M                       | F  | Total sales %               | M            | F                       | M                       | F                             | M                             | F |
| 1950 | 11                  | UC+A                 |                         |    | 60 | 21                            | 88 | 21                        |                      |                         |    |                             |              |                         |                         |                               | ( 4.5 1.3 )                   |   |
| 1955 | 11                  | UC+A                 |                         |    | 64 | 21                            | 83 | 21                        |                      |                         |    |                             |              |                         |                         |                               | ( 6.3 1.6 )                   |   |
| 1958 | 12                  | UC+A                 |                         |    | 62 |                               | 75 |                           |                      |                         |    |                             |              |                         |                         |                               |                               |   |
| 1960 | 11                  | UC+A                 |                         |    | 61 | 22                            | 78 | 22                        |                      |                         |    |                             |              |                         |                         |                               | ( 8.2 2.4 )                   |   |
|      | 13                  | MC+A                 | 49                      | 13 |    |                               | 77 | 23                        |                      |                         |    |                             | ( 8.1 1.7 )  |                         |                         |                               |                               |   |
| 1963 | 14                  | UC+A                 |                         |    | 55 | 16                            | 68 | 16                        |                      |                         |    |                             |              |                         |                         |                               | ( 9.3 2.2 )                   |   |
| 1965 | 11                  | UC+A                 |                         |    | 61 | 24                            | 74 | 24                        |                      |                         |    |                             |              |                         |                         |                               | ( 9.5 3.0 )                   |   |
|      | 12                  | UC                   |                         |    | 56 | 18                            |    |                           |                      |                         |    |                             | ( 10.0 2.5 ) |                         |                         |                               |                               |   |
| 1967 | 15                  | UC                   |                         |    | 60 | 26                            |    |                           |                      |                         |    |                             |              |                         |                         |                               | ( 9.4 3.3 )                   |   |
| 1970 | 3                   | A                    |                         |    |    |                               | 58 | 24                        |                      |                         |    |                             |              |                         |                         |                               |                               |   |
|      | 11                  | UC+A                 |                         |    | 55 | 27                            | 67 | 27                        |                      |                         |    |                             |              |                         |                         |                               | ( 10.6 4.2 )                  |   |
| 1971 | 13                  | MC                   | 49                      | 21 |    |                               | 49 |                           | 59                   |                         |    |                             | ( 11.2 3.8 ) |                         |                         |                               |                               |   |
|      | 16                  | UC+A                 |                         |    |    |                               |    |                           |                      |                         |    |                             |              |                         |                         |                               |                               |   |
| 1973 | 6                   | U                    |                         |    |    |                               | 60 | 24                        |                      |                         |    |                             |              |                         |                         |                               |                               |   |
|      | 7                   | *                    |                         |    | 49 | 23                            |    |                           |                      |                         |    |                             |              |                         |                         |                               |                               |   |
|      | 11                  | UC+A                 |                         |    | 51 | 30                            | 64 | 30                        |                      |                         |    |                             | ( 10.3 4.8 ) |                         |                         |                               |                               |   |
| 1974 | 11                  | UC+A                 |                         |    | 47 | 29                            | 55 | 28                        |                      |                         |    |                             | ( 10.3 5.1 ) |                         |                         |                               |                               |   |
|      | 12                  | UC                   |                         |    | 45 | 26                            |    |                           |                      |                         |    |                             | ( 10.5 4.8 ) |                         |                         |                               |                               |   |
| 1975 | 1                   | TC+A                 |                         |    |    |                               | 41 | 23                        | 48                   | 23                      |    |                             | ( 10.3 4.6 ) |                         |                         |                               |                               |   |
|      | 11                  | UC+A                 |                         |    |    |                               | 50 | 29                        | 60                   | 29                      |    |                             | ( 10.2 4.7 ) |                         |                         |                               |                               |   |
|      | 13                  | MC                   | 39                      | 20 |    |                               | 45 | 21                        | 53                   | 23                      |    |                             | ( 10.2 4.2 ) |                         |                         |                               | ( 10.9 4.2 )                  |   |
| 1976 | 3                   | A                    |                         |    |    |                               | 51 | 22                        |                      |                         |    |                             |              |                         |                         |                               |                               |   |
|      | 11                  | UC+A                 |                         |    | 47 | 28                            | 55 | 28                        |                      |                         |    |                             | ( 10.5 5.0 ) |                         |                         |                               |                               |   |
|      | 13                  | MC                   | 39                      | 21 |    |                               |    |                           |                      |                         |    |                             | ( 10.5 4.5 ) |                         |                         |                               |                               |   |
| 1977 | 1                   | TC+A                 |                         |    |    |                               | 43 | 25                        | 48                   | 25                      |    |                             | ( 9.7 4.6 )  |                         |                         |                               |                               |   |
|      | 11                  | UC+A                 |                         |    |    |                               | 45 | 28                        | 53                   | 29                      |    |                             | ( 9.5 4.7 )  |                         |                         |                               |                               |   |
|      | 13                  | MC                   | 36                      | 28 |    |                               | 43 | 22                        | 49                   | 22                      |    |                             | ( 8.1 5.0 )  |                         |                         |                               | ( 10.2 4.2 )                  |   |
| 1978 | 11                  | UC+A                 |                         |    | 47 | 31                            | 55 | 31                        |                      |                         |    |                             | ( 9.7 5.1 )  |                         |                         |                               |                               |   |
|      | 13                  | MC                   | 37                      | 19 |    |                               | 45 | 23                        | 51                   | 24                      |    |                             | ( 9.9 4.1 )  |                         |                         |                               | ( 10.6 4.4 )                  |   |
|      | 16                  | UC+A                 |                         |    | 40 | 24                            |    |                           | 7.9                  | 3.7                     | 78 |                             |              |                         |                         |                               | ( 10.2 4.7 )                  |   |
|      | 34                  | UC                   |                         |    | 38 | 16                            | 41 | 16                        | 6.2                  | 2.1                     | 55 |                             |              |                         |                         |                               | 11.2 3.8                      |   |
|      | 67                  | UC+A                 |                         |    |    |                               | 47 | 21                        |                      |                         |    |                             |              |                         |                         |                               |                               |   |
|      | 67                  | A                    |                         |    |    |                               |    |                           |                      |                         |    |                             |              |                         |                         |                               |                               |   |
| 1979 | 1                   | TC+A                 |                         |    | 41 | 28                            | 48 | 28                        |                      |                         |    |                             | ( 9.7 5.2 )  |                         |                         |                               |                               |   |
|      | 2                   | TC+A                 |                         |    | 42 | 28                            | 48 | 28                        |                      |                         |    |                             | ( 9.8 5.2 )  |                         |                         |                               |                               |   |
|      | 11                  | UC+A                 |                         |    | 44 | 28                            | 52 | 28                        |                      |                         |    |                             | ( 9.9 5.1 )  |                         |                         |                               |                               |   |
|      | 13                  | MC                   | 38                      | 22 |    |                               |    |                           |                      |                         |    |                             | ( 9.6 4.4 )  |                         |                         |                               |                               |   |

**Table 8** (continued)

**West Germany (continued)**

| Year | Source <sup>2</sup> | Product <sup>3</sup> | Prevalence <sup>4</sup> |    |    |                               |    |                           | Number of cigarettes |                         |               |                             |       |   | Manufactured cigarettes number/person/day |                                    | Total cigarettes number/person/day |  |
|------|---------------------|----------------------|-------------------------|----|----|-------------------------------|----|---------------------------|----------------------|-------------------------|---------------|-----------------------------|-------|---|---|------------------------------------|------------------------------------|--|
|      |                     |                      | Manufactured cigarettes |    |    | Total cigarettes <sup>5</sup> |    | All products <sup>6</sup> |                      | Unadjusted <sup>7</sup> |               | Sales-adjusted <sup>8</sup> |       | Manufactured cigarettes number/person/day |   | Total cigarettes number/person/day |                                    |  |
|      |                     |                      | M                       | F  | M  | F                             | M  | F                         | M                    | F                       | Total sales % | M                           | F     | M   | F   | M                                  | F                                  |  |
| 1980 | 3                   | A                    |                         |    |    |                               | 47 | 24                        |                      |                         |               |                             |       |   |   |                                    |                                    |  |
|      | 10                  | MC                   |                         |    |    |                               |    |                           |                      |                         |               | 9.3                         | 5.0   | --  | 9.3                                       | 5.0                                |                                    |  |
|      | 11                  | UC+A                 |                         |    |    |                               | 49 | 29                        | 53                   | 29                      |               |                             |       |   |   |                                    | ( 10.4 4.9 )                       |  |
| 1981 | 1                   | TC                   |                         |    |    |                               | 32 | 18                        |                      |                         |               |                             |       |   |   |                                    |                                    |  |
|      | 1                   | TC+A                 |                         |    |    |                               | 37 | 22                        | 48                   | 23                      |               |                             |       |   |   |                                    |                                    |  |
|      | 3                   | A                    |                         |    |    |                               |    |                           | 46                   | 25                      |               |                             |       |   |   |                                    | 10.2 5.2                           |  |
| 1982 | 3                   | A                    |                         |    |    |                               |    |                           | 51                   | 26                      |               |                             |       |   |   |                                    |                                    |  |
|      | 10                  | MC                   |                         |    |    |                               |    |                           |                      |                         |               | 7.7                         | 4.5   | --  | 7.7                                       | 4.5                                |                                    |  |
| 1983 | 3                   | A                    |                         |    |    |                               |    |                           | 48                   | 28                      |               |                             |       |   |   |                                    |                                    |  |
|      | 21                  | U                    |                         |    |    |                               |    |                           | 41                   | 28                      |               |                             |       |   |   |                                    |                                    |  |
| 1984 | 1                   | A                    |                         |    |    |                               |    |                           | 46                   | 23                      |               |                             |       |   |   |                                    |                                    |  |
|      | 3                   | UC+A                 |                         |    |    |                               | 38 | 26                        | 49                   | 27                      |               |                             |       |   |   |                                    |                                    |  |
|      | 4                   | MC+TC+A              | 43                      | 28 | 44 | 29                            | 47 | 29                        | 9.3                  | 3.9                     | 90            | ( 8.5                       | 4.4 ) |   | ( 9.4                                     | 5.1 )                              | 10.4 4.3                           |  |
| 1987 | 72                  | UC+A                 |                         |    |    |                               | 41 | 26                        | 48                   | 26                      | 7.4           | 4.4                         | 83    |   |   |                                    | 8.9 5.3                            |  |
| 1988 | 72                  | TC+A                 |                         |    |    |                               | 42 | 30                        | 45                   | 30                      | 8.2           | 4.6                         | 91    |   |   |                                    | 8.9 5.1                            |  |
|      | 72                  | TC+A                 |                         |    |    |                               | 33 | 26                        | 38                   | 27                      |               |                             |       |   |   |                                    |                                    |  |
| 1989 | 67                  | UC+A                 |                         |    |    |                               | 31 | 18                        | 33                   | 18                      | 5.3           | 2.7                         | 56    |   |   |                                    | 9.4 4.8                            |  |
|      | 67                  | A                    |                         |    |    |                               |    |                           | 38                   | 23                      |               |                             |       |   |   |                                    |                                    |  |
|      | 72                  | TC+A                 |                         |    |    |                               | 39 | 25                        | 44                   | 25                      | 6.7           | 3.7                         | 73    |   |   |                                    | 9.2 5.0                            |  |
|      | 72                  | TC+A                 |                         |    |    |                               | 41 | 28                        | 47                   | 29                      |               |                             |       |   |   |                                    |                                    |  |
| 1990 | 72                  | MC+TC+A              | 39                      | 27 | 43 | 28                            | 46 | 28                        | 7.7                  | 3.8                     | 82            |                             |       |   |   |                                    | 9.3 4.7 /10                        |  |
| 1991 | 72                  | MC+TC+A              | 37                      | 25 | 40 | 27                            | 43 | 27                        | 7.9                  | 4.4                     |               |                             |       |   |   |                                    |                                    |  |
| 1992 | 67                  | UC+A                 |                         |    |    |                               | 30 | 18                        | 32                   | 19                      | 5.2           | 2.7                         |       |   |   |                                    |                                    |  |
|      | 67                  | A                    |                         |    |    |                               |    |                           | 37                   | 22                      |               |                             |       |   |   |                                    |                                    |  |
|      | 72                  | MC+TC+A              | 34                      | 23 | 38 | 25                            | 42 | 25                        | 7.3                  | 3.8                     |               |                             |       |   |   |                                    |                                    |  |
| 1994 | 72                  | MC+TC+A              | 33                      | 26 | 38 | 28                            | 42 | 28                        | 6.9                  | 4.3                     |               |                             |       |   |   |                                    |                                    |  |
|      | 73                  | MC+TC+A              | 34                      | 26 | 39 | 29                            | 43 | 29                        | 7.0                  | 4.3                     |               |                             |       |   |   |                                    |                                    |  |
| 1995 | 73                  | MC+TC+A              | 32                      | 21 | 35 | 22                            | 39 | 22                        | 8.8                  | 4.6                     |               |                             |       |   |   |                                    |                                    |  |
| 1998 | 70                  | UC+U                 |                         |    |    |                               |    |                           | 36                   | 27                      | 7.0           | 4.2                         |       |   |   |                                    |                                    |  |
|      | 84                  | UC+A                 |                         |    |    |                               | 37 | 25                        | 37                   | 25                      | 6.9           | 3.8                         |       |   |   |                                    |                                    |  |
|      | 84                  | U                    |                         |    |    |                               |    |                           | 37                   | 25                      |               |                             |       |   |   |                                    |                                    |  |
| 1999 | 84                  | U                    |                         |    |    |                               |    |                           | 38                   | 26                      |               |                             |       |   |   |                                    |                                    |  |
| 2001 | 84                  | UC+A                 |                         |    |    |                               | 36 | 26                        | 36                   | 26                      | 6.6           | 4.0                         |       |   |   |                                    |                                    |  |
|      | 84                  | U                    |                         |    |    |                               |    |                           | 36                   | 26                      |               |                             |       |   |   |                                    |                                    |  |
| 2002 | 73                  | MC+TC+A              | 30                      | 23 | 34 | 24                            | 36 | 24                        | 5.8                  | 3.4                     |               |                             |       |   |   |                                    |                                    |  |
|      | 73                  | MC+TC+A              | 35                      | 27 | 39 | 28                            | 41 | 28                        |                      |                         |               |                             |       |   |   |                                    |                                    |  |
|      | 84                  | UC+A                 |                         |    | 37 | 27                            | 37 | 27                        | 6.9                  | 4.2                     |               |                             |       |   |   |                                    |                                    |  |
|      | 84                  | U                    |                         |    |    |                               |    |                           | 38                   | 28                      |               |                             |       |   |   |                                    |                                    |  |

**Table 8** (continued/2)

**West Germany (continued/2)**

| Year | Source <sup>2</sup> | Product <sup>3</sup> | Prevalence <sup>4</sup> |    |    |                               |    |    | Number of cigarettes      |     |               |   |                                    |                             |   |
|------|---------------------|----------------------|-------------------------|----|----|-------------------------------|----|----|---------------------------|-----|---------------|---|------------------------------------|-----------------------------|---|
|      |                     |                      | Manufactured cigarettes |    |    | Total cigarettes <sup>5</sup> |    |    | All products <sup>6</sup> |     |               | Unadjusted <sup>7</sup>                   |                                    | Sales-adjusted <sup>8</sup> |   |
|      |                     |                      | M                       | F  | M  | F                             | M  | F  | M                         | F   | Total sales % | Manufactured cigarettes number/person/day | Total cigarettes number/person/day | M                           | F |
| 2003 | 71                  | <b>U</b>             |                         |    |    |                               | 37 | 28 |                           |     |               |   |                                    |                             |   |
| 2004 | 71                  | <b>U</b>             |                         |    |    |                               | 36 | 27 |                           |     |               |   |                                    |                             |   |
|      | 84                  | UC+A                 |                         |    |    |                               | 35 | 26 | 35                        | 26  | 6.2           | 3.8                                       |                                    |                             |   |
|      | 84                  | <i>U</i>             |                         |    |    |                               | 35 | 26 |                           |     |               |   |                                    |                             |   |
| 2005 | 73                  | MC+TC+A              | 27                      | 15 | 33 | 20                            | 34 | 20 | 5.7                       | 2.7 |               |   |                                    |                             |   |
|      | 73                  | MC+TC+A              | 31                      | 17 | 38 | 22                            | 39 | 22 |                           |     |               |   |                                    |                             |   |
| 2006 | 73                  | MC+TC+A              | 22                      | 21 | 29 | 22                            | 30 | 22 | 4.1                       | 2.9 |               |   |                                    |                             |   |
|      | 73                  | MC+TC+A              | 27                      | 23 | 34 | 25                            | 36 | 25 |                           |     |               |   |                                    |                             |   |
|      | 84                  | UC+A                 |                         |    |    |                               | 34 | 27 | 34                        | 27  | 5.8           | 3.8                                       |                                    |                             |   |
|      | 84                  | <i>U</i>             |                         |    |    |                               | 34 | 27 |                           |     |               |   |                                    |                             |   |
| 2008 | 84                  | UC+A                 |                         |    |    |                               | 31 | 24 | 32                        | 24  | 5.3           | 3.3                                       |                                    |                             |   |
|      | 84                  | <i>U</i>             |                         |    |    |                               | 31 | 24 | 33                        | 24  |               |   |                                    |                             |   |
| 2009 | 73                  | MC+TC                | 17                      | 16 | 26 | 18                            |    |    | 4.0                       | 2.4 |               |   |                                    |                             |   |
|      | 73                  | MC+TC+A              | 25                      | 18 | 28 | 19                            | 30 | 19 |                           |     |               |   |                                    |                             |   |
|      | 78                  | <b>U</b>             |                         |    |    |                               | 32 | 26 |                           |     |               |   |                                    |                             |   |
| 2010 | 78                  | <b>U</b>             |                         |    |    |                               | 33 | 26 |                           |     |               |   |                                    |                             |   |
|      | 84                  | UC+A                 |                         |    |    |                               | 30 | 24 | 31                        | 24  | 5.2           | 3.0                                       |                                    |                             |   |
|      | 84                  | <i>U</i>             |                         |    |    |                               | 30 | 24 | 32                        | 24  |               |   |                                    |                             |   |
| 2012 | 73                  | MC+TC+A              | 25                      | 15 | 28 | 18                            | 29 | 18 | 4.9                       | 2.1 |               |   |                                    |                             |   |
|      | 73                  | MC+TC+A              | 27                      | 17 | 29 | 20                            | 31 | 21 |                           |     |               |   |                                    |                             |   |
|      | 78                  | <b>U</b>             |                         |    |    |                               | 31 | 24 |                           |     |               |   |                                    |                             |   |
|      | 84                  | UC+A                 |                         |    |    |                               | 30 | 24 | 31                        | 24  | 4.9           | 3.2                                       |                                    |                             |   |
|      | 84                  | <i>U</i>             |                         |    |    |                               | 30 | 24 | 31                        | 24  |               |   |                                    |                             |   |
| 2014 | 84                  | UC+A                 |                         |    |    |                               | 28 | 22 | 29                        | 22  | 4.5           | 2.9                                       |                                    |                             |   |
|      | 84                  | <i>U</i>             |                         |    |    |                               | 28 | 22 | 30                        | 23  |               |   |                                    |                             |   |

**Table 8** (continued/3)

**East Germany**

| Year | Source <sup>2</sup> | Product <sup>3</sup> | Prevalence <sup>4</sup> |    |                               |    |                           |    | Number of cigarettes    |     |                             |       |   |   |   |
|------|---------------------|----------------------|-------------------------|----|-------------------------------|----|---------------------------|----|-------------------------|-----|-----------------------------|-------|---|---|---|
|      |                     |                      | Manufactured cigarettes |    | Total cigarettes <sup>5</sup> |    | All products <sup>6</sup> |    | Unadjusted <sup>7</sup> |     | Sales-adjusted <sup>8</sup> |       | Manufactured cigarettes number/person/day |   |   |
|      |                     |                      | M                       | F  | M                             | F  | M                         | F  | M                       | F   | Total sales %               | M     | F   | M | F |
| 1971 | 47                  | UC+A                 |                         |    | 49                            | 27 | 59                        | 26 | 8.2                     | 2.5 | /11                         | ( 7.1 | 3.1 ) /9                                  |   |   |
| 1988 | 64                  | UC+U                 |                         |    |                               |    | 44                        | 22 | 6.4                     | 2.3 | 60                          | 10.7  | 3.8                                       |   |   |
| 1990 | 72                  | MC+TC+A              | 44                      | 21 | 45                            | 22 | 48                        | 22 | 6.5                     | 2.3 |                             | ( 8.7 | 3.3 )                                     |   |   |
| 1991 | 72                  | MC+TC+A              | 39                      | 26 | 40                            | 27 | 41                        | 27 | 5.6                     | 2.7 |                             |       |   |   |   |
| 1992 | 67                  | UC+A                 |                         |    | 33                            | 15 | 35                        | 15 | 4.8                     | 1.8 |                             |       |   |   |   |
|      | 67                  | A                    |                         |    |                               |    | 40                        | 20 |                         |     |                             |       |   |   |   |
|      | 72                  | MC+TC+A              | 34                      | 19 | 35                            | 19 | 37                        | 19 | 4.8                     | 2.0 |                             |       |   |   |   |
| 1994 | 72                  | MC+TC+A              | 43                      | 22 | 45                            | 22 | 47                        | 22 | 6.2                     | 2.4 |                             |       |   |   |   |
|      | 73                  | MC+TC+A              | 43                      | 22 | 45                            | 22 | 47                        | 22 | 6.2                     | 2.4 |                             |       |   |   |   |
| 1995 | 73                  | MC+TC+A              | 38                      | 17 | 38                            | 17 | 41                        | 17 | 5.4                     | 1.8 |                             |       |   |   |   |
| 1998 | 70                  | UC+U                 |                         |    |                               |    | 40                        | 27 | 6.8                     | 3.5 |                             |       |   |   |   |
|      | 84                  | UC+A                 |                         |    | 37                            | 21 | 37                        | 21 | 5.7                     | 2.3 |                             |       |   |   |   |
|      | 84                  | U                    |                         |    |                               |    | 37                        | 21 |                         |     |                             |       |   |   |   |
| 1999 | 84                  | U                    |                         |    |                               |    | 38                        | 22 |                         |     |                             |       |   |   |   |
| 2001 | 84                  | UC+A                 |                         |    | 37                            | 21 | 37                        | 21 | 5.8                     | 2.6 |                             |       |   |   |   |
|      | 84                  | U                    |                         |    |                               |    | 37                        | 21 |                         |     |                             |       |   |   |   |
| 2002 | 73                  | MC+TC+A              | 36                      | 26 | 39                            | 26 | 40                        | 26 | 5.8                     | 2.9 |                             |       |   |   |   |
|      | 73                  | MC+TC+A              | 41                      | 32 | 44                            | 33 | 45                        | 33 |                         |     |                             |       |   |   |   |
|      | 84                  | UC+A                 |                         |    | 39                            | 23 | 39                        | 23 | 6.1                     | 2.8 |                             |       |   |   |   |
|      | 84                  | U                    |                         |    |                               |    | 39                        | 23 |                         |     |                             |       |   |   |   |
| 2003 | 71                  | A                    |                         |    |                               |    | 36                        | 25 |                         |     |                             |       |   |   |   |
| 2004 | 71                  | U                    |                         |    |                               |    | 37                        | 24 |                         |     |                             |       |   |   |   |
|      | 84                  | UC+A                 |                         |    | 35                            | 22 | 35                        | 22 | 5.2                     | 2.5 |                             |       |   |   |   |
|      | 84                  | U                    |                         |    |                               |    | 35                        | 22 |                         |     |                             |       |   |   |   |
| 2005 | 73                  | MC+TC+A              | 33                      | 16 | 38                            | 20 | 39                        | 20 | 5.3                     | 2.5 |                             |       |   |   |   |
|      | 73                  | MC+TC+A              | 37                      | 22 | 42                            | 26 | 45                        | 26 |                         |     |                             |       |   |   |   |
| 2006 | 73                  | MC+TC+A              | 28                      | 17 | 31                            | 21 | 32                        | 21 | 4.1                     | 2.1 |                             |       |   |   |   |
|      | 73                  | MC+TC+A              | 34                      | 23 | 36                            | 28 | 38                        | 28 |                         |     |                             |       |   |   |   |
|      | 84                  | UC+A                 |                         |    | 33                            | 22 | 33                        | 22 | 5.0                     | 2.5 |                             |       |   |   |   |
|      | 84                  | U                    |                         |    |                               |    | 34                        | 22 |                         |     |                             |       |   |   |   |
| 2008 | 84                  | UC+A                 |                         |    | 31                            | 23 | 32                        | 23 | 4.5                     | 2.7 |                             |       |   |   |   |
|      | 84                  | U                    |                         |    |                               |    | 32                        | 23 |                         |     |                             |       |   |   |   |
| 2009 | 73                  | MC+TC                | 25                      | 17 | 33                            | 19 |                           |    | 5.4                     | 2.9 |                             |       |   |   |   |
|      | 73                  | MC+TC+A              | 33                      | 21 | 35                            | 21 | 36                        | 21 |                         |     |                             |       |   |   |   |
|      | 78                  | U                    |                         |    |                               |    | 35                        | 25 |                         |     |                             |       |   |   |   |

**Table 8** (continued/4)

**East Germany (continued)**

| Year | Source <sup>2</sup> | Product <sup>3</sup> | Prevalence <sup>4</sup> |    |                               | Number of cigarettes      |    |                         |     |                             |   |   |
|------|---------------------|----------------------|-------------------------|----|-------------------------------|---------------------------|----|-------------------------|-----|-----------------------------|---|---|
|      |                     |                      | Manufactured cigarettes |    | Total cigarettes <sup>5</sup> | All products <sup>6</sup> |    | Unadjusted <sup>7</sup> |     | Sales-adjusted <sup>8</sup> |   |   |
|      |                     |                      | M                       | F  | M                             | F                         | M  | F                       | M   | F                           | M | F |
| 2010 | 78                  | <b>U</b>             |                         |    |                               |                           | 34 | 25                      |     |                             |   |   |
|      | 84                  | UC+A                 |                         |    | 29                            | 20                        | 30 | 20                      | 4.2 | 2.5                         |   |   |
|      | 84                  | U                    |                         |    |                               |                           | 30 | 20                      |     |                             |   |   |
| 2012 | 73                  | MC+TC+A              | 26                      | 20 | 31                            | 23                        | 31 | 23                      | 5.3 | 3.0                         |   |   |
|      | 73                  | MC+TC+A              | 28                      | 22 | 33                            | 23                        | 34 | 23                      |     |                             |   |   |
|      | 78                  | <b>U</b>             |                         |    |                               |                           | 31 | 23                      |     |                             |   |   |
|      | 84                  | UC+A                 |                         |    | 33                            | 23                        | 34 | 23                      | 4.9 | 2.7                         |   |   |
|      | 84                  | U                    |                         |    |                               |                           | 34 | 23                      |     |                             |   |   |
| 2014 | 84                  | UC+A                 |                         |    | 32                            | 23                        | 34 | 23                      | 4.9 | 2.6                         |   |   |
|      | 84                  | U                    |                         |    |                               |                           | 34 | 24                      |     |                             |   |   |

**Table 8** (continued/5)

**Germany**

| Year | Source <sup>2</sup> | Product <sup>3</sup> | Prevalence <sup>4</sup> |    |                               |    |                           |    | Number of cigarettes    |     |                             |       |                         |     | Manufactured cigarettes       |     | Total cigarettes <sup>9</sup> |  |
|------|---------------------|----------------------|-------------------------|----|-------------------------------|----|---------------------------|----|-------------------------|-----|-----------------------------|-------|-------------------------|-----|-------------------------------|-----|-------------------------------|--|
|      |                     |                      | Manufactured cigarettes |    | Total cigarettes <sup>5</sup> |    | All products <sup>6</sup> |    | Unadjusted <sup>7</sup> |     | Sales-adjusted <sup>8</sup> |       | Manufactured cigarettes |     | Total cigarettes <sup>9</sup> |     |                               |  |
|      |                     |                      | M                       | F  | M                             | F  | M                         | F  | M                       | F   | Total sales %               | M     | F                       | M   | F                             | M   | F                             |  |
| 1990 | 72                  | MC+TC+A              | 40                      | 25 | 43                            | 27 | 47                        | 27 | 7.5                     | 3.5 | 82                          | ( 8.1 | 4.1 )                   | 9.2 | 4.3                           | /10 |                               |  |
| 1991 | 72                  | MC+TC+A              | 38                      | 25 | 40                            | 27 | 42                        | 27 | 7.3                     | 4.0 | 85                          | ( 7.9 | 4.3 )                   | 8.7 | 4.7                           |     |                               |  |
| 1992 | 67                  | UC+A                 |                         |    | 31                            | 18 | 33                        | 18 | 5.1                     | 2.5 | 62                          |       |                         | 8.3 | 4.1                           |     |                               |  |
|      | 67                  | A                    |                         |    | 37                            | 22 |                           |    |                         |     |                             |       |                         |     |                               |     |                               |  |
|      | 72                  | MC+TC+A              | 34                      | 22 | 38                            | 23 | 41                        | 23 | 6.9                     | 3.5 | 83                          | ( 7.1 | 3.7 )                   | 8.2 | 4.2                           |     |                               |  |
| 1994 | 72                  | MC+TC+A              | 35                      | 25 | 39                            | 27 | 43                        | 27 | 6.7                     | 4.0 | 88                          | ( 7.0 | 3.9 )                   | 7.7 | 4.5                           |     |                               |  |
|      | 73                  | MC+TC+A              | 36                      | 25 | 40                            | 27 | 44                        | 27 | 6.8                     | 3.9 | 89                          | ( 7.0 | 3.9 )                   | 7.7 | 4.5                           |     |                               |  |
| 1995 | 67                  | UC+A                 |                         |    | 30                            | 18 | 32                        | 18 | 5.0                     | 2.5 | 61                          |       |                         | 8.1 | 4.1                           |     |                               |  |
|      | 67                  | A                    |                         |    | 36                            | 22 |                           |    |                         |     |                             |       |                         |     |                               |     |                               |  |
|      | 73                  | MC+TC+A              | 33                      | 20 | 36                            | 21 | 39                        | 21 | 6.7                     | 3.2 | 81                          | ( 7.4 | 3.6 )                   | 8.3 | 3.9                           |     |                               |  |
| 1998 | 70                  | UC+U                 |                         |    |                               |    | 30                        | 21 | 5.8                     | 3.3 | 74                          |       |                         | 7.9 | 4.4                           |     |                               |  |
|      | 70                  | U                    |                         |    |                               |    | 36                        | 27 |                         |     |                             |       |                         |     |                               |     |                               |  |
|      | 84                  | UC+A                 |                         |    | 37                            | 24 | 37                        | 24 | 6.7                     | 3.5 | 83                          |       |                         | 8.1 | 4.2                           |     |                               |  |
|      | 84                  | U                    |                         |    | 37                            | 24 |                           |    |                         |     |                             |       |                         |     |                               |     |                               |  |
| 1999 | 67                  | UC+A                 |                         |    | 30                            | 19 | 32                        | 19 | 5.2                     | 2.7 | 62                          |       |                         | 8.4 | 4.3                           |     |                               |  |
|      | 67                  | UC+A                 |                         |    | 33                            | 22 | 35                        | 23 |                         |     |                             |       |                         |     |                               |     |                               |  |
|      | 73                  | U                    |                         |    | 40                            | 27 |                           |    |                         |     |                             |       |                         |     |                               |     |                               |  |
|      | 84                  | U                    |                         |    | 38                            | 26 |                           |    |                         |     |                             |       |                         |     |                               |     |                               |  |
| 2001 | 84                  | UC+A                 |                         |    | 36                            | 25 | 36                        | 25 | 6.5                     | 3.8 | 81                          |       |                         | 8.0 | 4.6                           |     |                               |  |
|      | 84                  | U                    |                         |    | 36                            | 26 |                           |    |                         |     |                             |       |                         |     |                               |     |                               |  |
| 2002 | 73                  | MC+TC+A              | 31                      | 24 | 35                            | 24 | 36                        | 24 | 5.7                     | 3.3 | 71                          | ( 7.1 | 4.3 )                   | 8.0 | 4.7                           |     |                               |  |
|      | 73                  | MC+TC+A              | 36                      | 28 | 40                            | 29 | 42                        | 29 |                         |     |                             |       |                         |     |                               |     |                               |  |
|      | 84                  | UC+A                 |                         |    | 38                            | 27 | 38                        | 27 | 6.8                     | 4.0 | 84                          |       |                         | 8.0 | 4.7                           |     |                               |  |
|      | 84                  | U                    |                         |    | 38                            | 27 |                           |    |                         |     |                             |       |                         |     |                               |     |                               |  |
| 2003 | 67                  | UC+A                 |                         |    | 29                            | 19 | 30                        | 19 | 4.9                     | 2.6 | 63                          |       |                         | 7.7 | 4.2                           |     |                               |  |
|      | 67                  | UC+A                 |                         |    | 32                            | 22 | 34                        | 23 |                         |     |                             |       |                         |     |                               |     |                               |  |
|      | 71                  | U                    |                         |    | 29                            | 22 |                           |    |                         |     |                             |       |                         |     |                               |     |                               |  |
|      | 71                  | UC+U                 |                         |    | 34                            | 28 | 37                        | 28 | 5.1                     | 3.1 | 69                          |       |                         | 7.4 | 4.5                           |     |                               |  |
| 2004 | 71                  | U                    |                         |    | 35                            | 25 | 35                        | 25 | 6.0                     | 3.6 | 90                          |       |                         | 6.7 | 4.0                           |     |                               |  |
|      | 84                  | UC+A                 |                         |    | 35                            | 25 |                           |    |                         |     |                             |       |                         |     |                               |     |                               |  |
|      | 84                  | U                    |                         |    | 35                            | 25 |                           |    |                         |     |                             |       |                         |     |                               |     |                               |  |
| 2005 | 67                  | UC+A                 |                         |    | 27                            | 19 | 28                        | 19 | 4.6                     | 2.6 | 72                          |       |                         | 6.4 | 3.7                           |     |                               |  |
|      | 67                  | UC+A                 |                         |    | 31                            | 22 | 33                        | 23 |                         |     |                             |       |                         |     |                               |     |                               |  |
|      | 73                  | MC+TC+A              | 28                      | 15 | 34                            | 20 | 35                        | 20 | 5.6                     | 2.6 | 82                          | ( 5.2 | 2.3 )                   | 6.9 | 3.2                           |     |                               |  |
|      | 73                  | MC+TC+A              | 32                      | 18 | 39                            | 23 | 40                        | 23 |                         |     |                             |       |                         |     |                               |     |                               |  |
| 2006 | 73                  | MC+TC+A              | 24                      | 20 | 29                            | 22 | 31                        | 22 | 4.1                     | 2.7 | 75                          | ( 4.4 | 2.9 )                   | 5.4 | 3.6                           |     |                               |  |
|      | 73                  | MC+TC+A              | 28                      | 23 | 35                            | 26 | 36                        | 26 |                         |     |                             |       |                         |     |                               |     |                               |  |
|      | 81                  | UC+U                 |                         |    | 23                            | 17 |                           |    | 4.2                     | 2.4 | 73                          |       |                         | 5.8 | 3.3                           |     |                               |  |
|      | 81                  | U                    |                         |    | 31                            | 23 |                           |    |                         |     |                             |       |                         |     |                               |     |                               |  |
|      | 84                  | UC+A                 |                         |    | 34                            | 26 | 34                        | 26 | 5.7                     | 3.6 | 102                         |       |                         | 5.5 | 3.5                           |     |                               |  |
|      | 84                  | U                    |                         |    | 34                            | 26 |                           |    |                         |     |                             |       |                         |     |                               |     |                               |  |

**Table 8** (continued/6)

**Germany (continued)**

| Year | Source <sup>2</sup> | Product <sup>3</sup> | Prevalence <sup>4</sup> |    |                               |    |                           |    | Number of cigarettes    |                  |                             |       |                         |       |       |
|------|---------------------|----------------------|-------------------------|----|-------------------------------|----|---------------------------|----|-------------------------|------------------|-----------------------------|-------|-------------------------|-------|-------|
|      |                     |                      | Manufactured cigarettes |    | Total cigarettes <sup>5</sup> |    | All products <sup>6</sup> |    | Unadjusted <sup>7</sup> |                  | Sales-adjusted <sup>8</sup> |       | Manufactured cigarettes |       |       |
|      |                     |                      | M                       | F  | M                             | F  | M                         | F  | number/<br>person/day   | Total<br>sales % | M                           | F     | number/<br>person/day   | M     |       |
| 2008 | 84                  | UC+A                 |                         |    | 31                            | 24 | 32                        | 24 | 5.2                     | 3.2              | 98                          |       |                         | 5.3   | 3.3   |
|      | 84                  | <i>U</i>             |                         |    | 32                            | 24 |                           |    |                         |                  |                             |       |                         |       |       |
| 2009 | 67                  | UC+A                 |                         |    | 25                            | 17 | 27                        | 18 | 4.3                     | 2.4              | 77                          |       |                         | 5.5   | 3.1   |
|      | 67                  | <b>UC+A</b>          |                         |    | 29                            | 21 | 31                        | 22 |                         |                  |                             |       |                         |       |       |
|      | 73                  | MC+TC                | 19                      | 16 | 28                            | 19 |                           |    |                         |                  |                             |       |                         |       |       |
|      | 73                  | <b>MC+TC+A</b>       | 27                      | 19 | 29                            | 19 | 32                        | 20 | 4.3                     | 2.6              | 79                          | ( 4.0 | 2.8 )                   | 5.4   | 3.2   |
|      | 78                  | MC+U                 | 25                      | 21 |                               |    | 26                        | 20 |                         |                  |                             |       |                         | ( 4.0 | 2.7 ) |
|      | 78                  | <i>U</i>             |                         |    |                               |    | 33                        | 26 |                         |                  |                             |       |                         |       |       |
|      | 81                  | UC+U                 |                         |    |                               |    | 21                        | 15 | 3.6                     | 2.1              | 65                          |       |                         | 5.4   | 3.2   |
|      | 81                  | <i>U</i>             |                         |    |                               |    | 28                        | 21 |                         |                  |                             |       |                         |       |       |
| 2010 | 78                  | <b>U</b>             |                         |    | 33                            | 26 |                           |    |                         |                  |                             |       |                         |       |       |
|      | 79                  | TC                   |                         |    | 25                            | 20 |                           |    | 4.0                     | 2.6              | 78                          |       |                         | 5.1   | 3.4   |
|      | 80                  | TC+U                 |                         |    |                               |    | 25                        | 20 | 4.1                     | 2.7              | 79                          |       |                         | 5.1   | 3.4   |
|      | 80                  | <i>U</i>             |                         |    |                               |    | 31                        | 25 |                         |                  |                             |       |                         |       |       |
|      | 84                  | UC+A                 |                         |    | 30                            | 23 | 31                        | 23 | 5.1                     | 2.9              | 94                          |       |                         | 5.4   | 3.1   |
|      | 84                  | <i>U</i>             |                         |    |                               |    | 31                        | 24 |                         |                  |                             |       |                         |       |       |
| 2012 | 73                  | MC+TC+A              | 25                      | 17 | 29                            | 19 | 30                        | 19 | 4.4                     | 2.0              | 74                          | ( 4.2 | 2.2 )                   | 5.9   | 2.6   |
|      | 73                  | <b>MC+TC+A</b>       | 28                      | 18 | 30                            | 21 | 31                        | 22 |                         |                  |                             |       |                         |       |       |
|      | 78                  | <i>U</i>             |                         |    |                               |    | 31                        | 24 |                         |                  |                             |       |                         |       |       |
|      | 81                  | UC+U                 |                         |    |                               |    | 22                        | 16 | 4.0                     | 2.2              | 72                          |       |                         | 5.5   | 3.0   |
|      | 81                  | <i>U</i>             |                         |    |                               |    | 29                        | 22 |                         |                  |                             |       |                         |       |       |
|      | 84                  | UC+A                 |                         |    | 30                            | 24 | 31                        | 24 | 4.9                     | 3.1              | 94                          |       |                         | 5.2   | 3.3   |
|      | 84                  | <i>U</i>             |                         |    |                               |    | 32                        | 24 |                         |                  |                             |       |                         |       |       |
| 2013 | 67                  | UC+A                 |                         |    | 24                            | 17 | 26                        | 17 | 3.9                     | 2.2              | 74                          |       |                         | 5.3   | 3.0   |
|      | 67                  | <b>UC+A</b>          |                         |    | 28                            | 20 | 30                        | 21 |                         |                  |                             |       |                         |       |       |
| 2014 | 84                  | UC+A                 |                         |    | 29                            | 22 | 30                        | 22 | 4.6                     | 2.9              | 90                          |       |                         | 5.1   | 3.2   |
|      | 84                  | <i>U</i>             |                         |    |                               |    | 30                        | 23 |                         |                  |                             |       |                         |       |       |

1 Surveys covering an age range of at least 21-64 are included. Any gaps in the data for ages 15-20 and 65 years and over are filled in by assumed extensions to the age distribution, shown in the extended versions of Tables 4 and 6 in the Excel tables workbook. Method: see *Summary of adult smoking*, Methods p. 13. Exceptionally, calculation is based on the All ages value from Tables 4, 6 and 7 in those surveys for which some age-specific data are not available (age groups 15+ marked as \* in Tables 4, 6 and 7).

2 See *Notes on sources of survey data*, p. 90

3 Product: MC = manufactured cigarettes, TC = total cigarettes (including hand-rolled), UC = cigarettes (type unspecified), A = all products, U = unspecified. Product \* (source 7 only) refers to cigarette only smoking. Frequency of smoking is indicated by: regular or daily smokers in normal type, all smokers (including occasional) in bold, unspecified in italics

4 From Table 4. Calculations for West and East Germany from 1990 onwards use regional population data (omitting Berlin from 2000 onwards) from [www.gbe-bund.de](http://www.gbe-bund.de)

5 This column includes prevalence of smoking classified as UC = cigarettes (type unspecified)

6 This column includes prevalence of smoking classified as U = unspecified product

7 From Table 6, which does not show % total sales post-1990 for West and East Germany

8 From Table 7, except data in parentheses, which are derived from the prevalence of smoking from Table 4 as described in *Summary of adult smoking*, Methods p. 13. Not shown post-1990 for West and East Germany

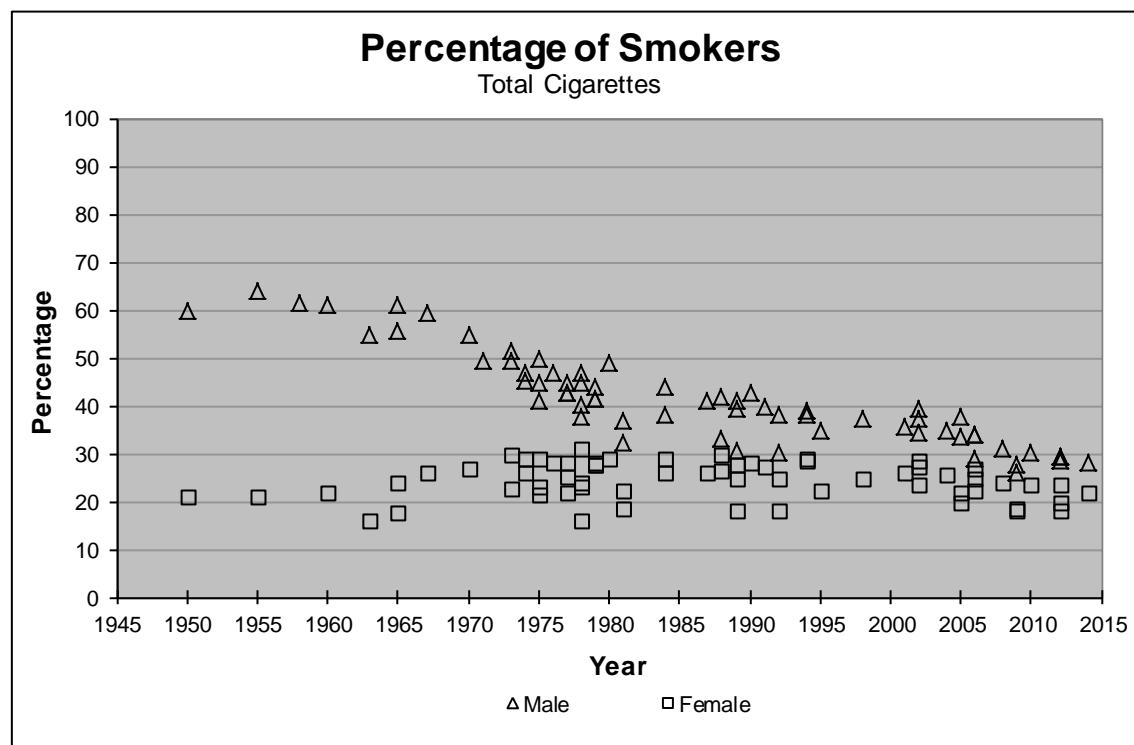
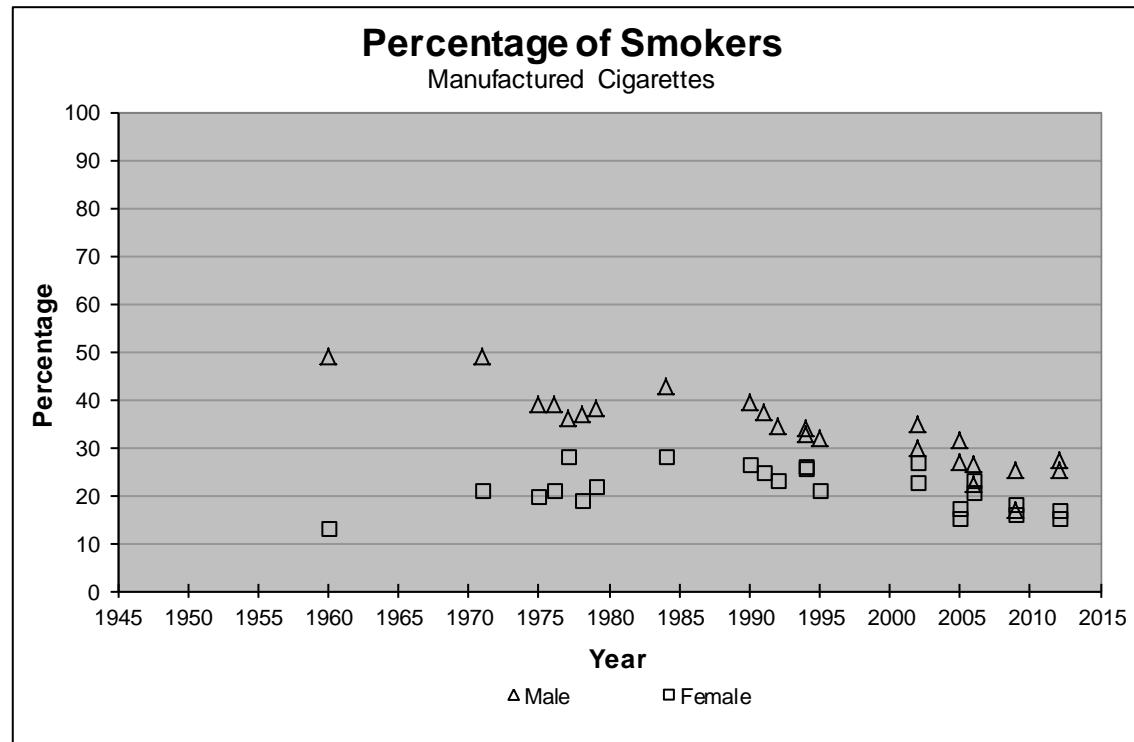
9 Number of cigarettes classified as UC = cigarettes (type unspecified) has been adjusted to total cigarette sales and included in this column, except for East Germany 1971, where they have been adjusted to manufactured cigarette sales

10 Calculations based on 1989 sales for West Germany, and on 1991 sales and population for Germany

11 Grams; not sales adjusted due to lack of appropriate sales data

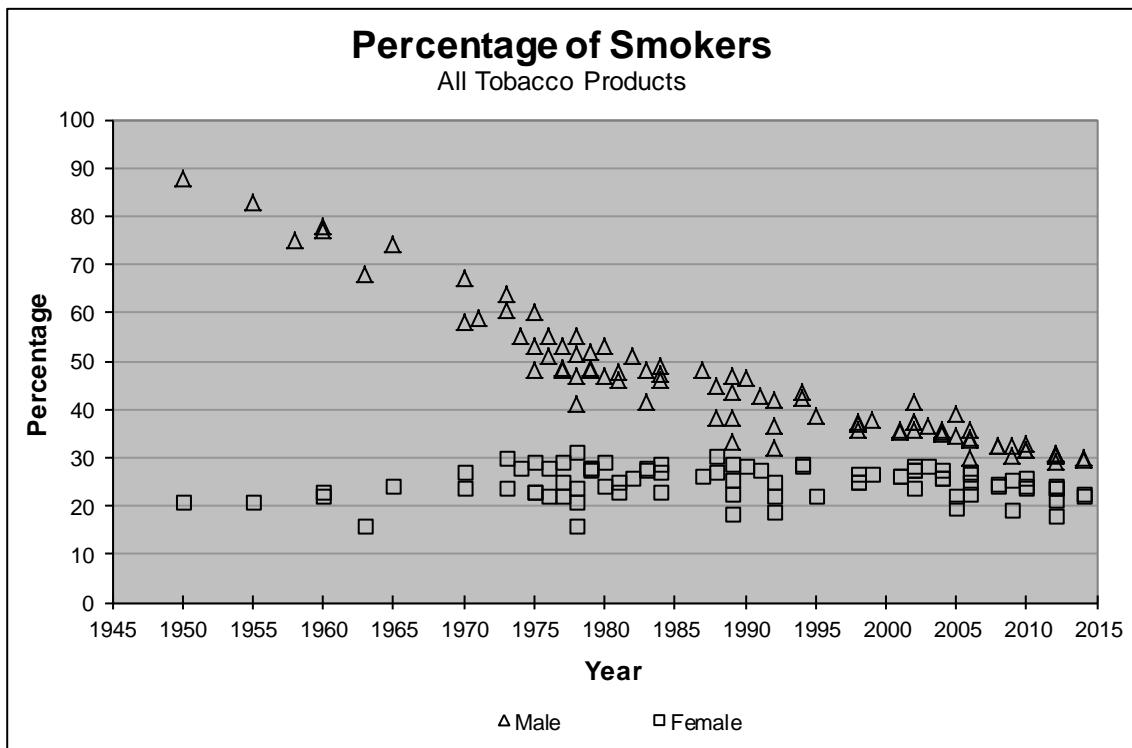
**Figure 3** Estimated prevalence of smoking of (i) manufactured cigarettes, (ii) total cigarettes and (iii) all tobacco products; by year of survey.  
Males and females aged 15 years and over

## **West Germany**



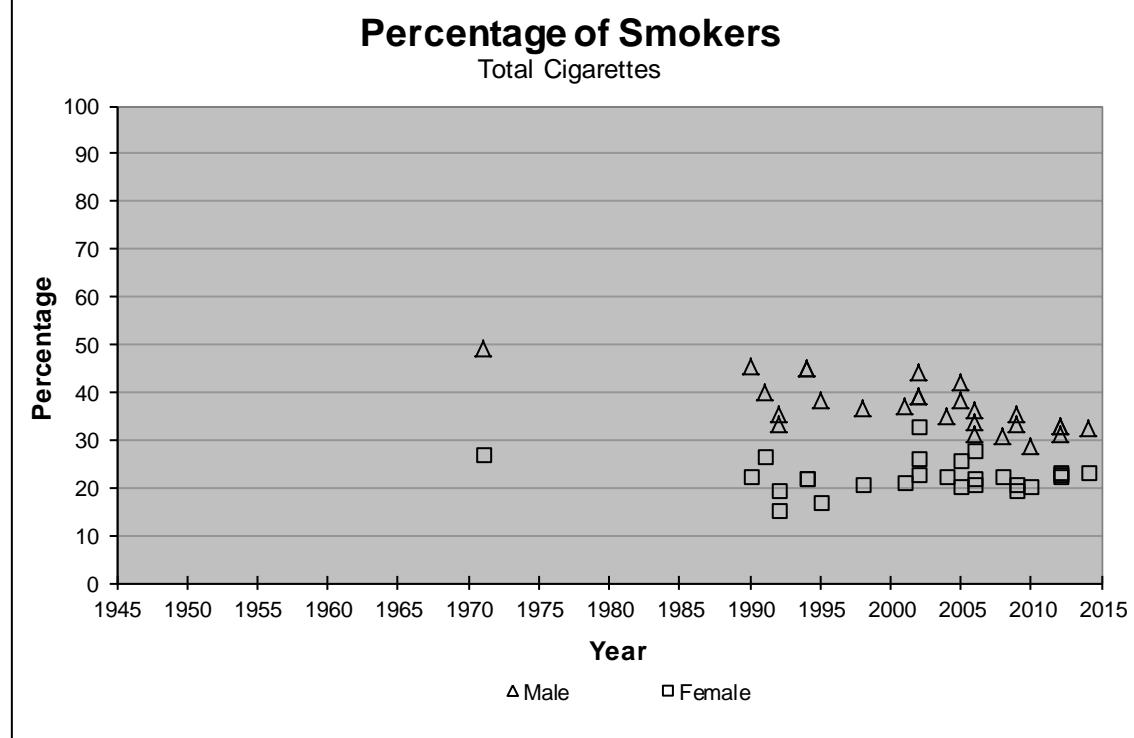
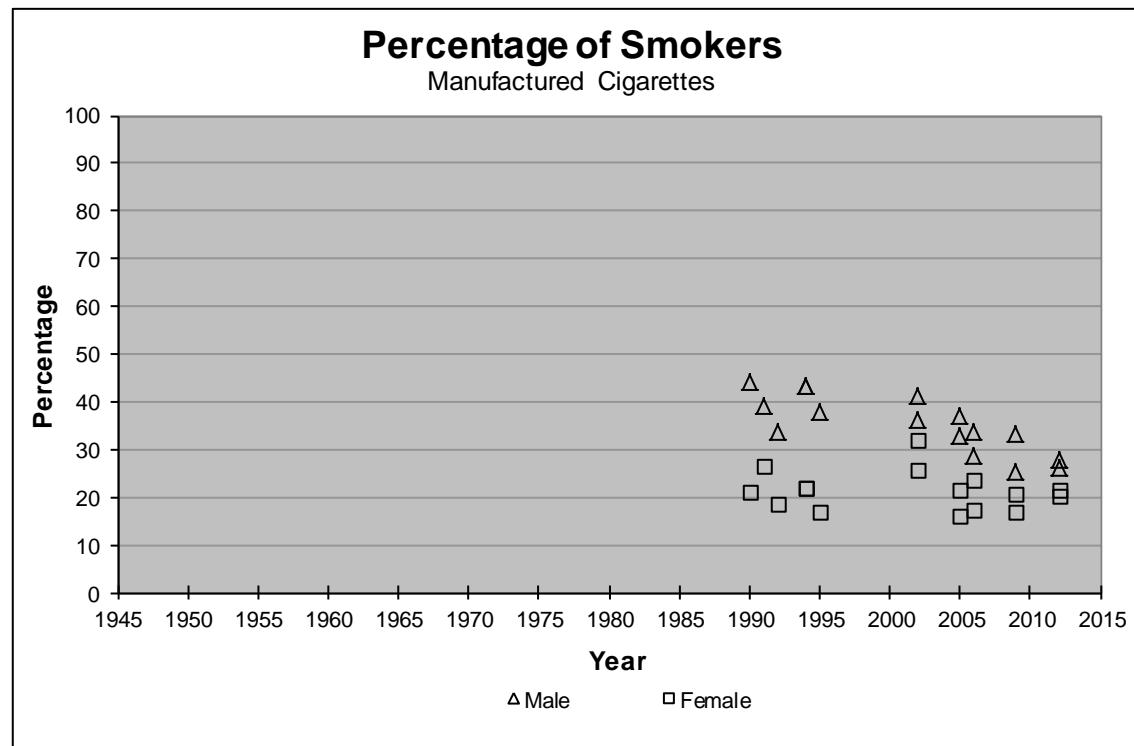
**Figure 3** (continued)

**West Germany (continued)**



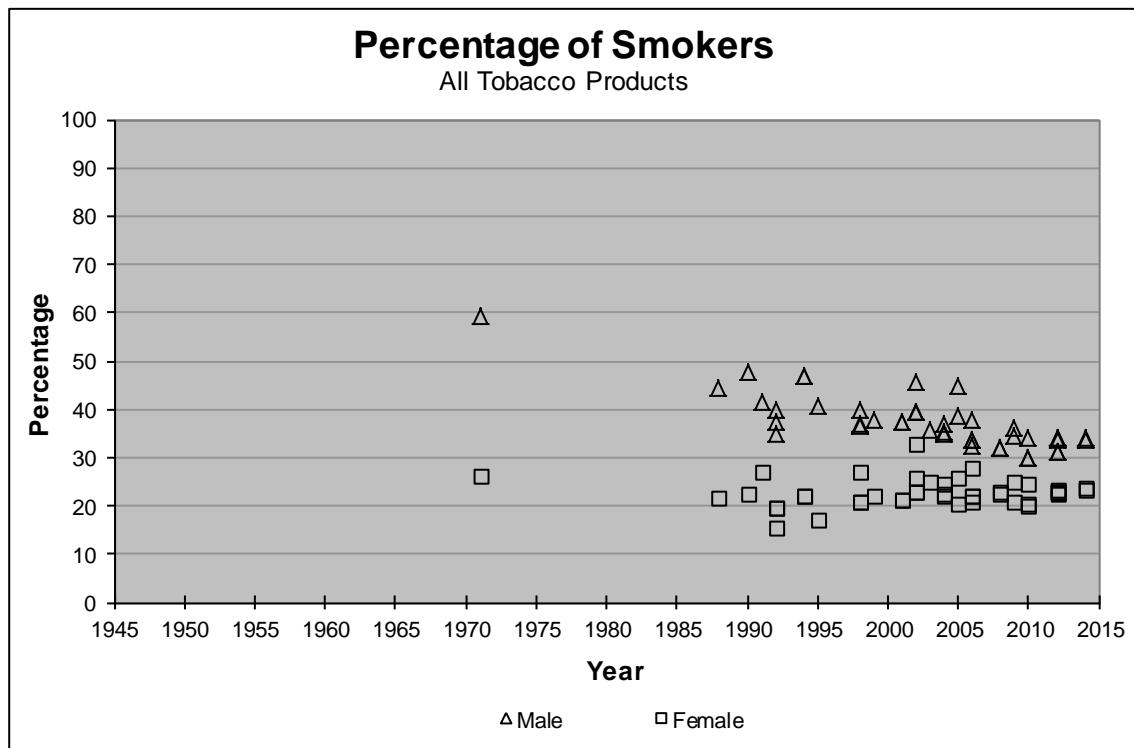
**Figure 3** (continued/2)

**East Germany**



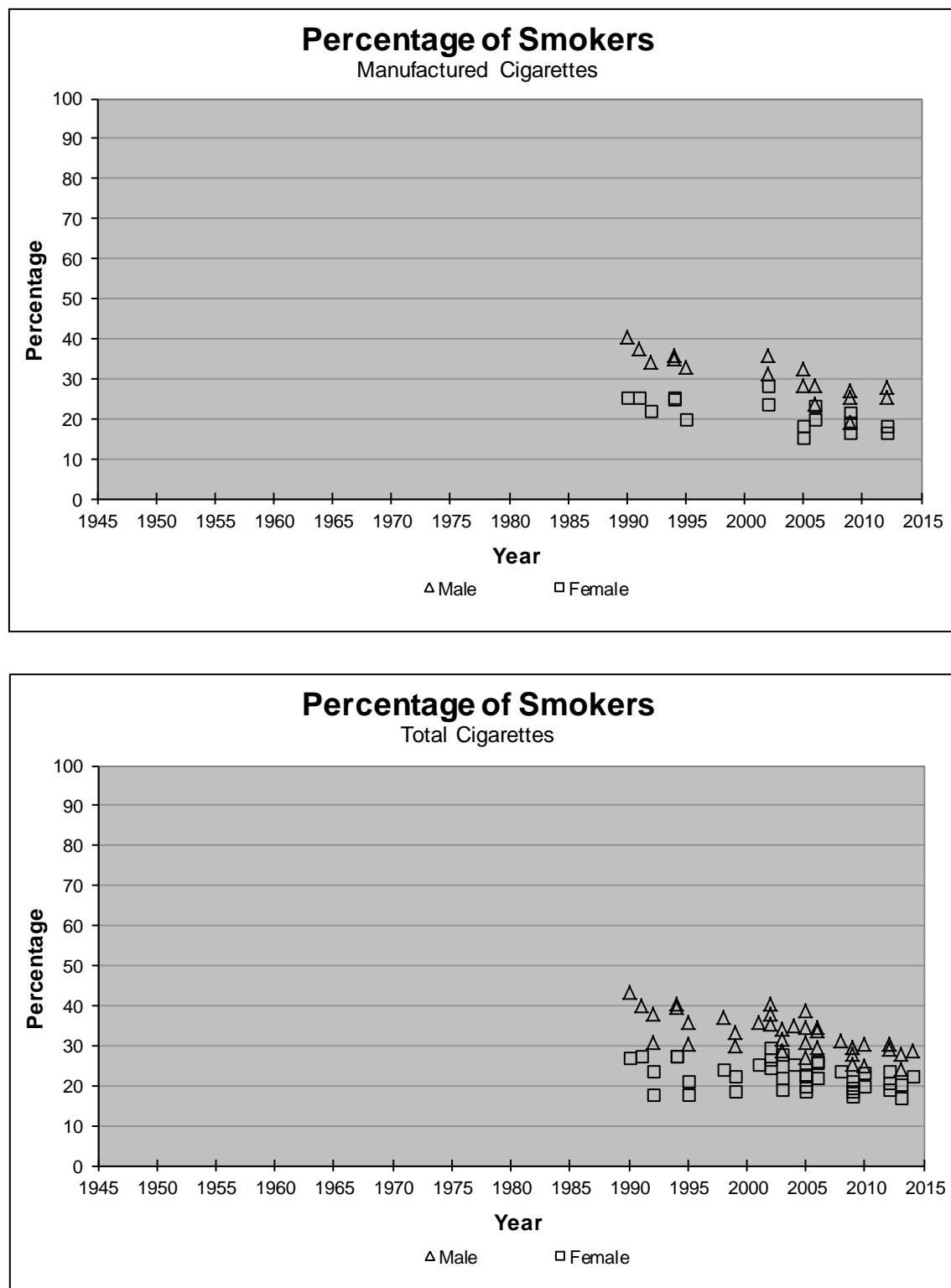
**Figure 3** (continued/3)

**East Germany (continued)**



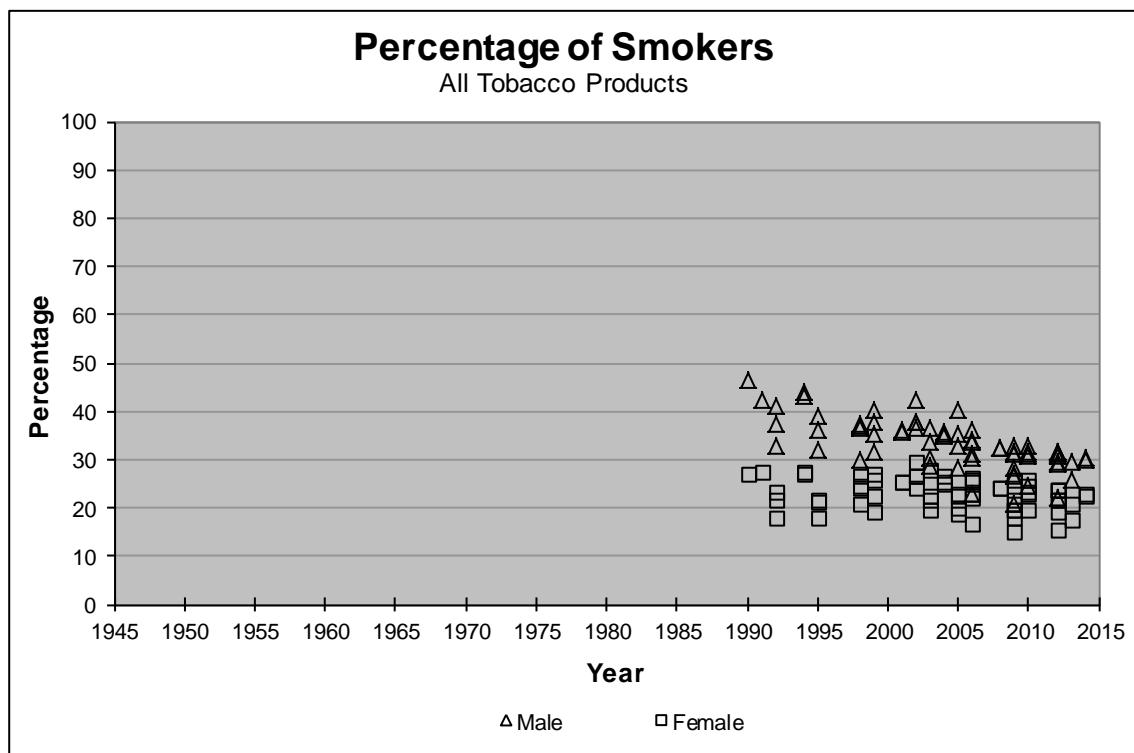
**Figure 3** (continued/4)

**Germany**



**Figure 3** (continued/5)

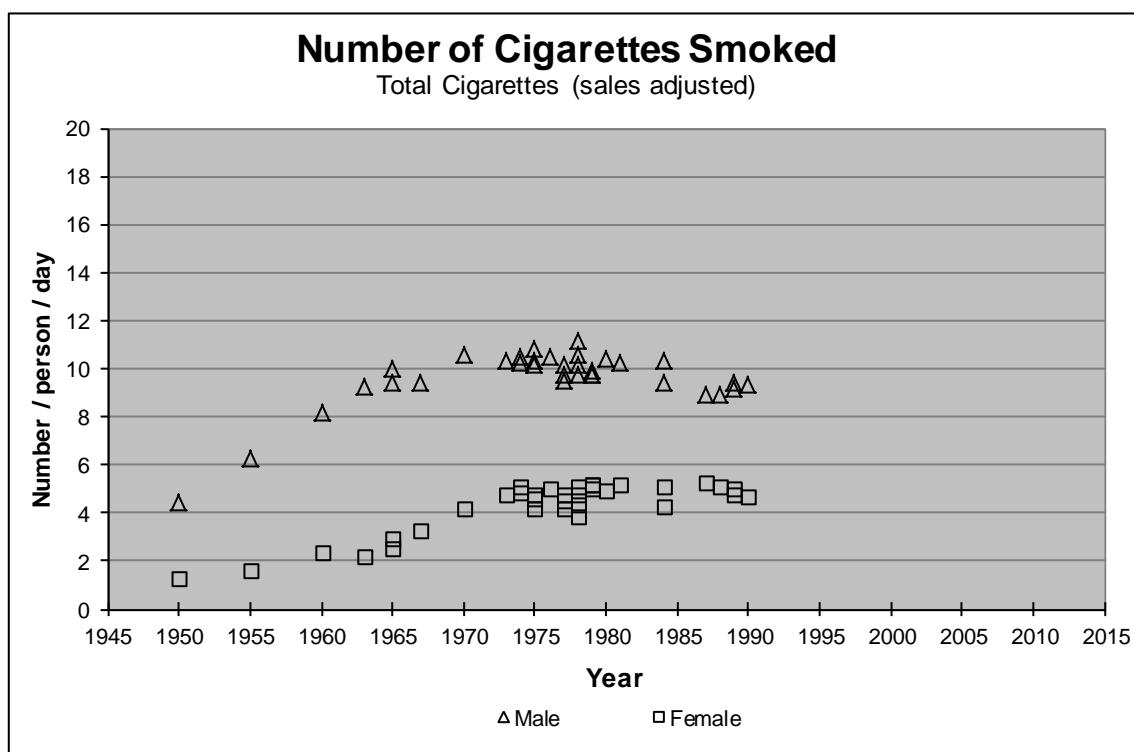
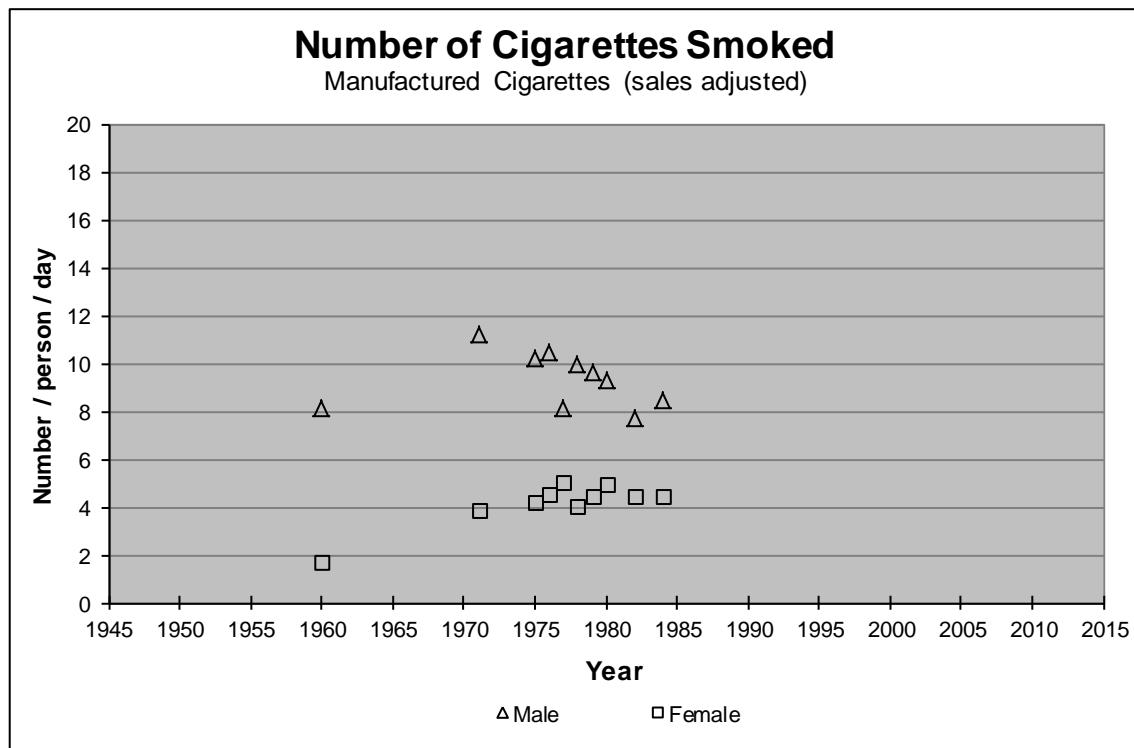
**Germany (continued)**



Source: Table 8  
See also customisable version of Figure 3 in the Excel workbook

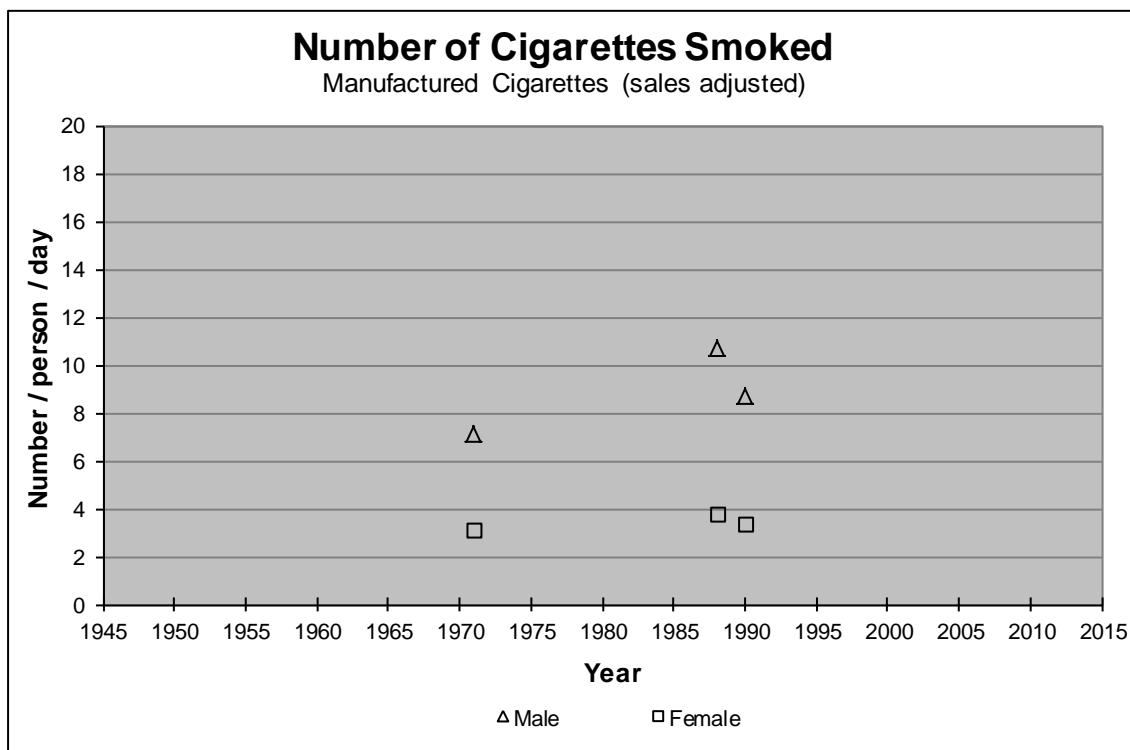
**Figure 4** Estimated number of (i) manufactured cigarettes and (ii) total cigarettes smoked per person per day, sales-adjusted; by year of survey.  
Males and females aged 15 years and over

**West Germany**



**Figure 4** (continued)

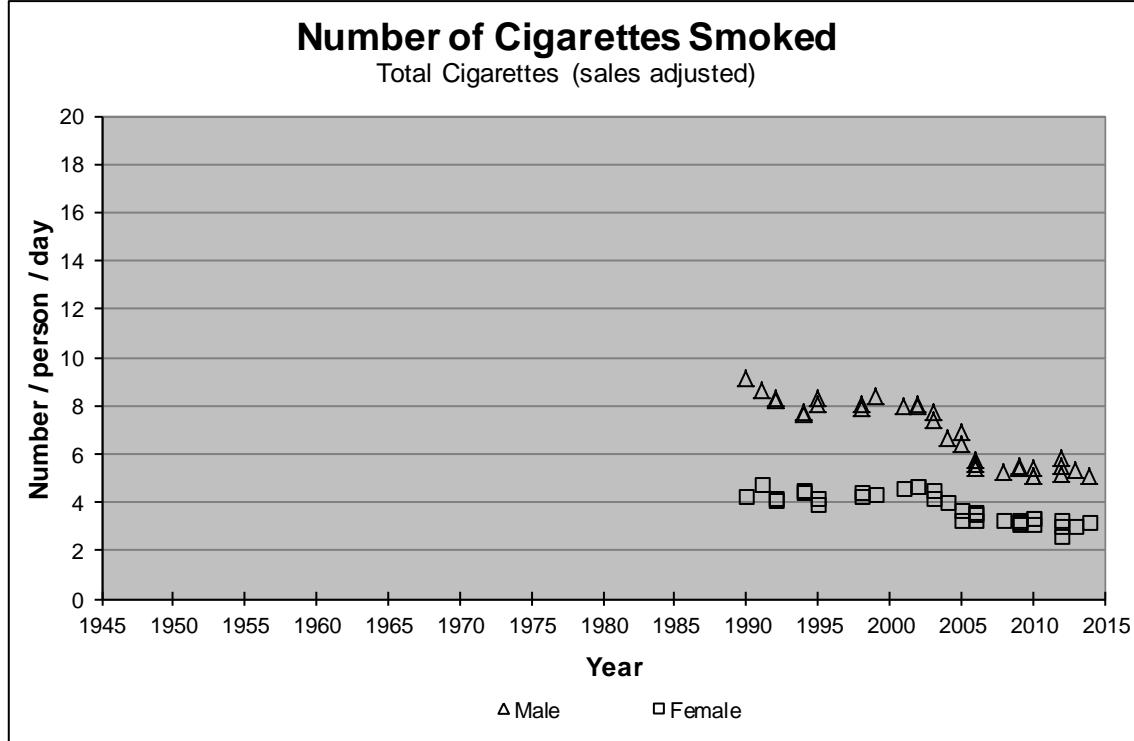
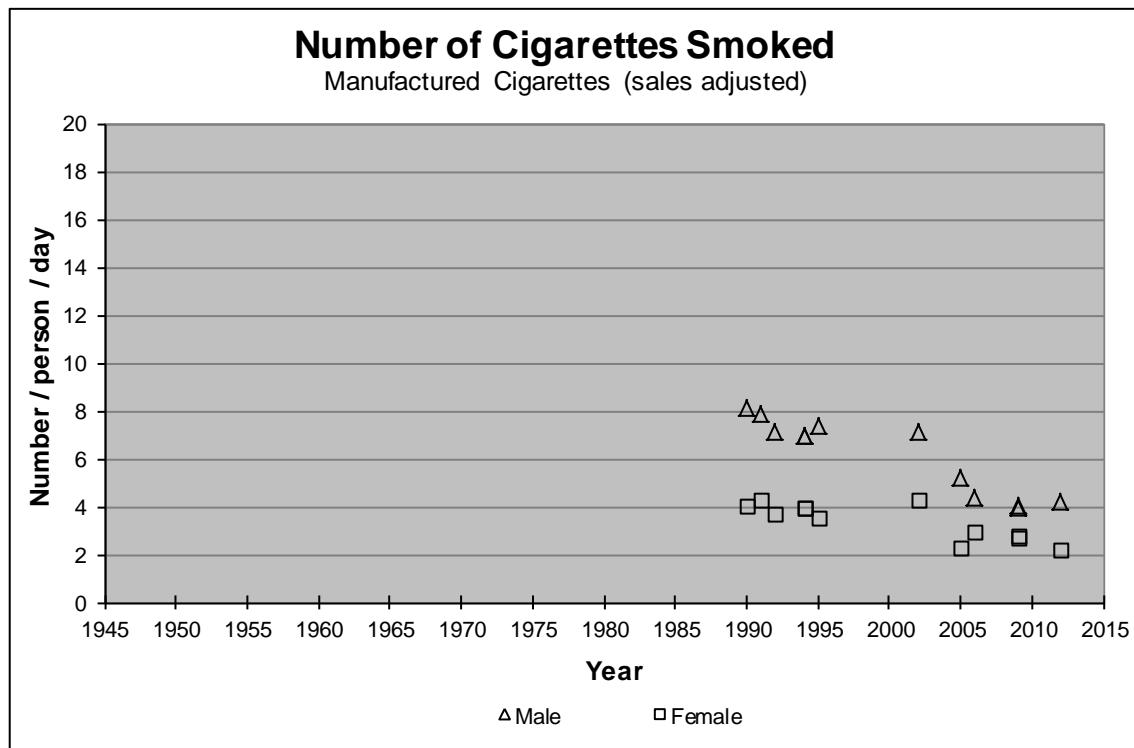
**East Germany**



Part ii not presented for East Germany due to lack of data

**Figure 4** (continued/2)

**Germany**



Source: Table 8

## Notes

### Notes on sources of sales data

The data presented in the tables and figures were obtained from several sources, details of which are given below, together with estimations and related assumptions. Full citations of the sources are given on p. 108 under *References*.

#### *Sales data for 1906-1913, Germany*

Statistisches Bundesamt (1972)

See Table 1.1

Data are given on manufactured cigarettes and fine-cut tobacco. Data for 1906 originally referred to a 9-month period and have been scaled up to be equivalent to a whole year.

Alternative data presented by Hutson (1937) include consumption of tobacco in various forms for 1913:

| Product          | Tonnes |
|------------------|--------|
| Cigarettes       | 12 110 |
| Cigars           | 40 000 |
| Smoking mixtures | 26 370 |
| Chewing tobacco  | 5 600  |
| Snuff            | 4 900  |

Thus cigars accounted for 45% of consumption. Hutson noted that these data had been converted from pieces to weight assuming 1 g per cigarette, 5 g per cigar and 12.5 g per piece of chewing tobacco, but that "recent information" indicated that actual weights per piece may have been higher. Data for later years from this source are similar to those given by RP6 (see below).

#### *Sales data for 1925-1973, Germany and West Germany*

RP6 (Lee (1975)), with additional data for 1949 from Statistisches Bundesamt (1972)

See Table 1.1

We have followed Statistisches Bundesamt (1972) in presenting data against 'year starting on 1 April', rather than against 'year ending 31 March' as in RP6. Data from 1950 are per calendar year.

Data by weight, originally given to nearest 100 000 pounds, have been converted to tonnes and given to the nearest 10 tonnes (100 000 lbs = 45.359 tonnes). Where weight conversion factors have been quoted in RP6, the weights have been re-calculated without rounding and then converted to tonnes.

Notes as given in RP6:

(a) Details of the number of cigarettes and cigars and of the weight of fine-cut, pipe and other manufactured tobacco consumed were obtained from the following sources:

1925-49 *Bevölkerung und Wirtschaft*, 1871-1957, published by the Western Germany Federal Statistics Office, Wiesbaden.

1950-63 Estimates from trade sources converted to a calendar year basis.

1964-73 *Finanzen und Steuern—Absatz von Tabakwaren*, published by the Western Germany Federal Statistics Office, Wiesbaden.

(b) Cigarette consumption in pounds weight was estimated from the number of cigarettes consumed by using a conversion factor of 2.205 lbs per 1 000 up until 1949. From 1950 onwards the conversion factors were provided from trade sources. The conversion factors for cigars were obtained from trade sources for the whole period.

(c) The figures for 1949 onwards include cigarettes which were produced in West Berlin and represent the consumption of tobacco goods in Western Germany including West Berlin.

According to Statistisches Bundesamt, data for 1948 represent the consumption in West Germany without Baden, Württemberg-Hohenzollern, Saarland, and Berlin; data for 1949 represent West Germany without Saarland and Berlin; consequently, data on a 'per adult' basis have not been presented in Table 2 for those years. If estimated using the whole population of West Germany,

consumption would have amounted to only 0.7 manufactured cigarettes and 0.4 hand-rolled (HR) cigarettes per adult per day in 1948.

Data for the number of cigarettes produced were also presented graphically by Borgers (1995) for 1932-1944. For 1932-1938, the data correspond closely to those shown in Table 1.1, and for subsequent years were approximately:

| Year | Cigarettes (billions) |
|------|-----------------------|
| 1939 | 57.5                  |
| 1940 | 64.5                  |
| 1941 | 64                    |
| 1942 | 59                    |
| 1943 | 52                    |
| 1944 | 52                    |

Difficulties in estimating consumption in the immediate post-war period were discussed by Proctor (1997a), including smuggling (see *Estimates of smuggling and cross-border sales*, p. 86), shipments under the Marshall plan, and home-grown tobacco.

#### *Sales data for 1974 onwards, West Germany and Germany*

Statistisches Bundesamt (1988, 2016), Lerner (1998)

Data in Table 1.2 are for West Germany up to 1989 and for Germany from 1991 onwards. No data are available for 1990 itself – unification took place during that year. The data refer to taxed consumption, and are based on customs office returns. They do not make allowance for sales to tourists or for personal imports.

Data for cigarettes, cigars and cigarillos were given as numbers of pieces and have been converted to weights. An average of 0.98 g per cigarette was assumed, based on values in RP6. Based on the average of 6.2 g for cigars and cigarillos combined from RP6 and limited data (see next paragraph) on the changing proportions of those two products, a conversion factor decreasing by 0.1 g per year from 6.2 g in 1972 to 3 g in 2005, and 3 g thereafter, was used. This is somewhat speculative and resulting estimates of total tobacco consumption by weight should be regarded with caution. However it is probably more appropriate than the constant factor of 6.2 g used in previous editions of this report. Others have used factors of 5 g or 2 g (Organisation for Economic Co-operation and Development (2006, 2014))

The proportion of cigarillos (among cigars and cigarillos) increased from 53% to 62% of cigars and cigarillos over the period 1980-1988 (as shown in Table 1.2, separate data not available for other years), was estimated as 80% around 1996-98 (US Department of Agriculture (USDA) (1997), Tobacco Journal International (TJI) (1999)), and was also reported as increasing by Bundesverband der Zigarrenindustrie (2007). So-called “eco-cigarillos” (eco = economy) with a wrapper made from reconstituted tobacco were introduced in 1996; these were smoked as cigarettes but took advantage of the lower tax rate (Crescenti (1998), TJI (1999)). A change in taxation rates reduced their sales in 2008 (German News Digest (2009)) and at the start of 2015 they were reclassified as cigarettes and thus subject to higher tax, leading to a decline in the market for cigarillos. However eco-cigarillos were still reported to represent 14% of cigars and cigarillos in 2015, with filter cigarillos a further 37% (Euromonitor International (2016a, 2016b)).

The figures for fine-cut include tobacco rolls which became popular during the 1990s; in several European countries tubes with filters for filling with loose tobacco are available but in Germany tobacco rolls which easily fit into the tubes were also available. Originally this had a tax advantage over manufactured cigarettes, and, although an increase in taxation in January 1996 removed much of this advantage, data from USDA suggest they represented around 15% of fine-cut sales in the period 1997-2001. They disappeared in 2002 (USDA (2002, 2004), Tobacco Europe (1996)). ‘Sticks’, ‘Singles’ or ‘Steckzigaretten’ (pre-portioned tobacco in foil or plastic wrap) were subsequently introduced to take advantage of the lower tax rate, and accounted for about 30% of fine-cut sales by 2005, but their tax advantage was removed and production ceased in 2006 (Dow Jones International News (2005), Plamper *et al* (2006)).

Smokeless tobacco used in Germany is mainly dry snuff, taken by inhaling up the nostril. This had traditionally been used in the southern regions (i.e. Bavaria), but usage was reported in 2008 to be declining and of very minor importance (Scientific Committee on Emerging and Newly Identified Health Risks (SCENIHR) (2008), Euromonitor International (2016c)).

Alternative data (not shown) for legal sales of manufactured cigarettes, given by KPMG (2014, 2016) for the years 2006-2015, are similar to those shown in Table 1.2. They estimated that total consumption, adjusting for legal cross-border sales and for contraband and counterfeit (see also *Estimates of smuggling and cross-border sales*, p. 86), was higher, as shown below:

| Year | Total cigarette consumption<br>(millions) |
|------|---|
| 2006 | 113 970                                   |
| 2007 | 107 300                                   |
| 2008 | 106 890                                   |
| 2009 | 106 000                                   |
| 2010 | 104 480                                   |
| 2011 | 106 190                                   |
| 2012 | 103 040                                   |
| 2013 | 99 950                                    |
| 2014 | 97 330                                    |
| 2015 | 95 580                                    |

Cigarette packs containing 19 cigarettes are termed “normal”, 20-24 “big”, and 26 or more “maxi”; in 2011 normal packs were reported to be the most popular, followed by big packs (Calderoni *et al* (2013a) quoting Euromonitor International (2012b)).

#### *Sales data for 1960-1990, East Germany*

USDA (2008)

See Table 2

Data refer to domestic consumption of cigarettes. No data are available for consumption of other products in East Germany, although some indication can be found by comparing the West German data for 1989 with the (unified) German data for 1991. Due to lack of data on sales of other products and lack of any data on the average weight of cigarettes, data are not shown in Table 1 to avoid repetition, and we have not included estimates of the consumption of all tobacco products in Table 2.

#### *Estimates of smuggling and cross-border sales*

Proctor (1997a, 1997b) described smuggling in the immediate post-war period as “rampant”, with an estimated 400 million American cigarettes entering Germany per month in 1948. As late as 1954, 2 billion Swiss cigarettes were estimated to be smuggled to Germany and Italy, although no comment was made on the share going to Germany.

Little other information is available before reunification, although Connolly (1995) quoting ERC Statistics International (1988) estimated that 10% of East German consumption was contraband.

More recent estimates for the proportions of legal cross-border and illicit sales are difficult to compare, as the basis of the figures differs and is not always clearly described. The following text-table (see next page) summarises reports of the proportion of illegal sales as sources **1-4**, and of the proportion of legal cross-border and illegal sales as sources **5-10**, with a brief description of each source and the base of the percentages given below.

Sources:

1. USDA (1995). Smuggled cigarettes, as % of domestic consumption (assumed to include rolls).
2. Joossens and Raw (1998). Contraband, market share.
3. Calderoni *et al* (2013a) quoting Euromonitor International (2013). Illegal cigarettes, as % of the total market. Euromonitor sources are said to include the trade press, customs offices, and interviews with manufacturers and retailers. Gilmore *et al* (2014) noted that concerns have been raised by Skafida *et al* (2014) and Blecher *et al* (2015) about the quality of Euromonitor data on illicit trade. Calderoni *et al* also noted that in the summer of 1991, up to one third of the cigarettes consumed in the former East Germany were allegedly illegal.

| Year | Illegal (%) |     |      |   | Legal cross-border and illegal (%) |     |      |      |      | 9       | 10   |  |
|------|-------------|-----|------|---|------------------------------------|-----|------|------|------|---------|------|--|
|      | 1           | 2   | 3    | 4 | 5                                  | 6   | 7    | 8    |      |         |      |  |
|      |             |     |      |   |                                    |     |      | West | East | Overall |      |  |
| 1993 | 2.5         |     |      |   | 10.5                               |     |      |      |      |         |      |  |
| 1994 | 2.2         |     |      |   |                                    | 9.7 |      |      |      |         |      |  |
| 1995 |             |     |      |   |                                    | 9.0 |      |      |      |         |      |  |
| 1996 |             |     |      |   |                                    | 9.0 |      |      |      |         |      |  |
| 1997 |             | 10  |      |   |                                    | 8.7 |      |      |      |         |      |  |
| 1998 |             |     |      |   |                                    | 8.3 |      |      |      |         |      |  |
| 1999 |             |     |      |   |                                    |     |      |      |      |         |      |  |
| 2000 |             |     |      |   |                                    | 7.5 |      |      |      |         |      |  |
| 2001 |             |     | 3.3  |   |                                    | 7.4 |      |      |      |         |      |  |
| 2002 |             |     | 3.4  |   |                                    | 6.0 |      |      |      |         |      |  |
| 2003 |             |     | 3.7  |   |                                    | 7.3 |      |      |      |         |      |  |
| 2004 |             |     | 4.5  |   |                                    |     |      |      |      |         |      |  |
| 2005 |             |     | 5.4  |   |                                    |     | 11.6 | 30.6 | 16.1 |         |      |  |
| 2006 |             | 5.6 | 10.6 |   |                                    |     | 15.7 | 33.6 | 19.9 | 19.9    |      |  |
| 2007 |             | 5.9 | 9.7  |   |                                    |     | 15.5 | 36.1 | 20.3 | 18.0    | 16.0 |  |
| 2008 |             | 6.7 | 10.8 |   |                                    |     | 13.8 | 39.7 | 19.9 | 19.6    | 21.1 |  |
| 2009 |             | 7.6 | 12.0 |   |                                    |     | 13.5 | 41.6 | 20.1 | 20.1    | 20.1 |  |
| 2010 |             | 8.1 | 12.5 |   |                                    |     | 14.0 | 45.2 | 21.2 | 20.6    | 14.3 |  |
| 2011 |             | 8.2 | 13.1 |   |                                    |     | 14.5 | 47.6 | 22.1 | 21.2    |      |  |
| 2012 |             | 7.8 | 11.1 |   |                                    |     | 14.3 | 44.5 | 20.6 | 20.3    |      |  |
| 2013 |             |     | 11.3 |   |                                    |     | 15.4 | 45.2 | 21.7 | 21.7    |      |  |
| 2014 |             |     | 8.4  |   |                                    |     | 13.2 | 41.6 | 18.9 | 19.0    |      |  |
| 2015 |             |     | 6.0  |   |                                    |     | 12.3 | 37.1 | 17.6 | 17.8    |      |  |

Sources (*continued*)

4. KPMG (2011, 2012, 2013, 2014, 2015, 2016). The share of total manufactured cigarette consumption that is counterfeit or contraband, including illicit whites (see below). Sources include KPMG's EU Flow Model, the Yellow Bag Survey (source 8), manufacturers' data and visitor number statistics. See also source 9 below.
5. Joossens *et al* (1994). Legal and illegal border sales were stated to be difficult to estimate but could have been as high as 15 000 million in 1993. (The percentage shown in the table is calculated by us using data for manufactured cigarettes from Table 1.2.)
6. TJI (1999). Border sales (implied to include smuggling), as share of market (including fine-cut and rolls).
7. USDA (2001, 2002, 2003, 2004) quoting private industry research. Legally and illegally imported cigarettes, as % of total cigarette consumption from the same source (including roll-your-own (RYO), rolls and cigarillos).
8. Deutscher Zigarettenverband (DZV: German Cigarette Manufacturers' Association) (2016a). Non-domestic manufactured cigarettes packs, as share of all packs. The "Yellow Bag Survey" conducted by Ipsos, based on packs collected from 22 or 24 recycling facilities, thus including both household and public waste. 500 packs per month are collected by employees from each site, giving 120 000 packs per year, which are analysed centrally. The survey started in August 2004; although no data for that year are given by DZV, figures (for Germany as a whole) of 9.5% and 12% have been quoted by others (von Lampe (2006), German News Digest (2008)). Following criticism that the collection points were situated close to borders and known smuggling routes, the methodology was independently reviewed in 2010 by the Hamburg Institute of International Economics (HWWI), which concluded that the method did not produce biased results. In 2014, following withdrawal from the scheme by some recycling centres, street collections were also undertaken in areas no longer covered, and the results combined; a simulation gave an estimate of 20.9% for the previous method, i.e. 2 percentage points higher than from the new method. Apart from minor discrepancies, these data were also quoted by KPMG (2011, 2012, 2013, 2014, 2015, 2016); data given by Calderoni *et al* (2013b) were similar. KPMG (2014) noted that adjustment for pack size would have had only a small (<0.1%) impact on the estimates. Adams and Effertz (2011) and Pötschke-Langer *et al*

- (2015) criticised this survey as scientifically questionable and liable to considerably overstate the extent of illegal trade.
9. KPMG (2011, 2012, 2013, 2014, 2015, 2016). The share of total manufactured cigarette consumption that is counterfeit or contraband (estimated as source 4) and non-domestic legal (i.e. legal cross-border purchases). Outflows from Germany (i.e. legally purchased in Germany but consumed elsewhere) were estimated to be around 1% of total consumption.
  10. KPMG (2011). Non-domestic manufactured cigarettes packs, as share of all packs. Based on Empty Pack Survey (EPS), conducted quarterly by Ipsos for Philip Morris International (PMI).

Some Eurobarometer surveys enquired about contact with smuggled cigarettes and cross border purchasing. In 2008, 2.8% of German respondents had, in the previous 6 months, often seen cigarettes being sold that they thought were smuggled, with a further 6.7% seeing them occasionally (Gallup Organisation Hungary (2009)). In 2012, 13% reported having purchased tobacco products abroad in the previous year (European Commission (2012)).

The consumption of illicit whites (defined as brands manufactured legally, usually outside the EU, and smuggled into another market where they have limited or no legal distribution and are sold without payment of tax) was estimated by KPMG (2014, 2015) as follows:

| Year | Illicit whites<br>(millions) |
|------|------------------------------|
| 2007 | 780                          |
| 2008 | 2 300                        |
| 2009 | 2 010                        |
| 2010 | 1 320                        |
| 2011 | 1 400                        |
| 2012 | 930                          |
| 2013 | 1 390                        |
| 2014 | 1 120                        |

Calderoni *et al* (2013a) quoting Customs press releases reported that smuggled cigarettes were the main type of illicit tobacco product in Germany. Illicit whites and counterfeit products were less common, but not negligible.

#### *Estimates of numbers of hand-rolled cigarettes, West Germany and Germany*

We have taken as our estimate of hand-rolled cigarette consumption:

Before 1961: 70% of fine-cut tobacco sales, at 1 g per cigarette.

1961-1988: 90% of cigarette paper sales.

1989 onwards: 80% of fine-cut tobacco sales, at 0.8 g per cigarette.

These estimates were based on sometimes conflicting information (discussed below). Estimates for 1985-1988 would have been similar had the later method been used. (Note that this later method is equivalent to assuming 100% of fine-cut tobacco at 1 g per cigarette). Being based on fine-cut tobacco sales, these estimates effectively include consumption in the form of tobacco rolls and sticks (see *Sales data for 1974 onwards, West Germany and Germany*, p. 85).

Although fine-cut tobacco (listed separately from pipe tobacco) would be expected to be used predominantly in hand-rolled cigarettes, the data on sales of cigarette papers (Table 3) suggest that consumption of hand-rolled cigarettes was in fact lower, particularly until the mid-1970s.

Alternative estimates for consumption (not shown) have been given by a number of others:

Estimates given by Merzdorf *et al* (1982) for 1960-1969 were on a basis of 80% of fine-cut tobacco at 1g per cigarette, and for 1970-1979 were supplied by the tobacco industry. These estimates initially exceed our estimates (by around 50% in the mid 1960s), but then fall relatively, and are lower than our estimates for 1976-1979, when they amount to around 86% of sales of cigarette papers.

Estimates were given for some years by USDA, quoting private industry research. These exceeded our estimates, e.g. in 1995, they indicate 10 billion roll-your-own cigarettes and 6.8 billion rolls which, taken together, exceed our estimate by 29% (USDA (1996)).

In 2012, estimates by KPMG were given on a basis of 0.75 g per stick and sales data for smoking tobacco from PMI. These estimates are 20-50% higher than ours (KPMG (2012)). Later estimates (KPMG (2013)) used a basis of 0.73g per MYO (make-your-own) and 0.6g per RYO (roll-your-own), but include cigarillos, so are not comparable

Dymond (1996) gave mean weights of hand-rolled cigarettes in Germany as 822 mg (1977), 800 mg (1988) and 778 mg (1994), based on consumer studies involving about 600 subjects per study. In a later study of 135 consumers, he reported a mean weight of 830 mg, with a range from 440 to 1580 mg per respondent (Dymond (1999)). A CORESTA study in 1994 of 40 consumers gave a mean weight of 860 mg, and a study in 1995 using pre-made filter tubes gave a weight of 964 mg (Coresta task force on roll-your-own (fine cut) tobacco (1999)). They also reported that 70% of consumer-made cigarettes were made by simple hand-rolling, 10% by machine-rolling and 20% by tubing, with 10% using loose filters.

No information on smoking of hand-rolled cigarettes is available for East Germany prior to unification.

#### *Plain/Filter cigarette sales*

##### *Consumption:*

- West Germany 1956-1959: Weber (1972, 1976)
- West Germany 1982-1983: Todd (1986a)
- West Germany (other years): Maxwell (successive years)
- East Germany: Wilde *et al* (1990)
- Germany: Maxwell (successive years)

##### *Production: (all regions):*

- USDA (2008)

See Table 3

Data from Weber (1972, 1976) are approximate data read from graphs.

#### *Menthол cigarette sales*

Around 1999-2001, menthol cigarettes accounted for 1.3% of the total cigarette market (Giovino *et al* (2004) quoting ERC Group PLC (1999, 2001)). For 2010, it was reported as 2.6% (Oxford Economics (2012)) and, for 2012, as 3% (KPMG (2013)).

#### *Slim cigarette sales*

In 2012, slim cigarettes made up 1% of total cigarette consumption (KPMG (2013)).

#### *Tar and nicotine machine yields of cigarettes*

##### *West Germany:*

See Table 3

##### *1961-1975: Timm (1976)*

Although tar yield is usually expressed as dry yield, this is not available before 1966 and so both dry and moist values are given in Table 3 to show the earlier trend. Estimates from 1967 onwards were based on at least 80% of the market, with 99% in 1974. For 1961, Merzdorf *et al* (1982) (quoting a personal communication from the Tobacco Industry) gave a figure 26.9 mg for tar, but it was not stated whether moist or dry.

##### *1978-1982: Klus (1986) quoting unpublished data from the Verband der Deutschen Cigarettenindustrie (VdC).*

Data read from graph. Not stated whether moist or dry, but data from this source for earlier years are similar to those from Timm (1976) for dry SWAT. Merzdorf *et al* (1982) (quoting a personal communication from the Tobacco Industry) gave somewhat lower results for 1978 (13.5 mg) for tar, and similar (0.74 mg) for nicotine. Based on 18 samples of commercial cigarettes bought in 1979, International Agency for Research on Cancer (1986) reported the median tar as 14 (range 2-25) mg/cigarette, and median nicotine as 0.8 (range 0.2- 1.5) mg/cigarette.

##### *1985: Junge *et al* (1989)*

East Germany and Germany: No data available.

Tobacco Europe (1996) stated that the share of the cigarette market for low tar (assumed definition <10 mg/cigarette) cigarettes in Germany grew from 19.4% in 1991 to 28.6% in 1995. In former East Germany this grew from 4.6% in 1991 to 18.3% in 1995. Former West Germany's low tar share passed 30% in 1995. According to annual data for 1992-2003 from PMI (2004), the market share of "ultra-light" cigarettes (1-3 mg tar) was around 3%. (See also Table xiv in *Comparisons between countries* chapter.) The share for low and ultra-low tar cigarettes was reported to have remained at 18% from 2003-2011 (Calderoni *et al* (2013a) quoting Euromonitor International (2012a))

The national standard testing method (DIN, Deutsches Institut für Normung) was superseded by the ISO standard method in 1991 (Baker (2002)).

In 1965, the yields per filter cigarette were limited to 25 mg of tar and 1.5 mg nicotine under a voluntary agreement with the German tobacco industry (Weber (1972)). The tar yield per cigarette was limited by EC directive (Directive 90/239/EEC) to 15 mg by the end of 1992, and to 12 mg by the end of 1997 (Harkin *et al* (1997)). From the start of 2004 cigarette yields were further limited by EU directive (Directive 2001/37/EC) to 10 mg tar, 1 mg nicotine and 10 mg carbon monoxide (ASPECT (Analysis of the Science and Policy for European Control of Tobacco) Consortium (2004)). Since May 2016, these levels can no longer be printed on the cigarette packs (Deutscher Zigarettenverband (DZV: German Cigarette Manufacturers' Association) (2016b)).

#### *Sales of cigarette papers*

Statistisches Bundesamt (1988)

See Table 3

#### **Notes on sources of survey data**

Each source of survey data—either an individual survey or a series of surveys repeated over a number of years—is cited by a source number. This number is shown in the tables and corresponds to the source numbers given below, where details of the source publication and of the survey methodology are given. Sources 1-42 relate to West Germany, sources 43-66 to East Germany, and sources 67-77 to both areas. Full citations of the sources are given on p. 108 under *References*.

Since unification in 1990, some nationally based surveys have continued to present results for West and East Germany separately as well as combined, and we include both the combined and the separate results (e.g. source **71** Der telefonische Bundes-Gesundheitssurvey, and sources **72/73** Eurobarometer); where other surveys now publish results only for the whole country and the individual Länder, we include only the combined data and have not attempted to make regional estimates (e.g. source **67** Mikrozensus). No sales adjustment has been done (Tables 6-8) for the separate regions after unification.

#### **Source number**

##### *West Germany*

- 1 Baric (1980), Erben (1980), Institut für Markt- und Werbeforschung (IMW) (1981), Junge et al (1989)**
  - a. Representative studies carried out on behalf of BZgA (Bundeszentrale für gesundheitliche Aufklärung, Köln (Federal Centre for Health Education)) by IMW. Sample size 2 000.
- 2 Todd (1986b) quoting IMW (no details)**
  - a. Cigarette smokers: (combination of two categories) smoked cigarettes regularly (5 or more per day) and occasionally (up to 4 per day). Presumably there were no female smokers of products other than cigarettes.

- 3 Todd (1986a), quoting EMNID-Institut**
- Smokers: includes occasional smokers ‘smoking now and then’.
  - Assumed extensions to age distribution for percentage smokers are shown in the extended version of Table 4 in the Excel tables workbook.
- 4 Todd (1986a) quoting IMW (1984)**
- Consumption category estimation by Todd (1986a) based on individual numbers of cigarettes up to 20, then 21-29, 30-39, 40-49, 50+ cigarettes/smoker/day.
  - Calculation of cigarettes per person based on prevalence of smoking (daily and non-daily) and number of cigarettes per daily smoker, so may overestimate.
- 5 Junge et al (1989)**
- Three nationally representative studies ‘Umwelteinwirkungen und Beschwerdehäufigkeiten’
- | Year           | Sample size |         |
|----------------|-------------|---------|
|                | Males       | Females |
| 1967 (May-Sep) | 711         | 964     |
| 1974 (Jun-Aug) | 733         | 920     |
| 1985 (Aug-Nov) | 557         | 648     |
- The first two studies were conducted by interviewer and included 32 questions related to smoking. The third study used a shortened questionnaire (including five smoking questions) and was sent by post.
- 6 Le Meitour-Kaplan (1977), quoting Bundesminister für Jugend, Familie und Gesundheit (1974); and World Health Organization (WHO) (1975)**
- The All ages data are described as “from an official report to Parliament”. It is not clear whether the age-specific data are from the same survey.
  - Assumed extensions to age distribution for percentage smokers are shown in the extended version of Table 4 in the Excel tables workbook.
- 7 WHO (1975)**
- Age group unclear.
  - Smokers marked as product \*: cigarette only smokers.
  - Assumed extensions to age distribution for percentage smokers are shown in the extended version of Table 4 in the Excel tables workbook.
- 8 Koschorreck et al (1973)**
- Representative study in school boys in Bruchsal, North Baden. Anonymous questionnaires completed with teachers absent. Sample size 898, participation rate 98%.
  - Results presented here have been adjusted to exclude the 12% of pupils unclassified on smoking.
  - Consumption category estimation based on 1-9, 10-29, 30+ cigarettes/smoker/week using standard distribution (derived from adult daily smoking), and resulting figures should be regarded with caution..
- 9 Le Meitour-Kaplan (1977)**
- Data taken from ‘Official records of the German Federal Centre for Health Education’.
- 10 Todd (1986a)**
- Cigarettes per adult per day estimated by Todd. See Tables 6 and 7.
- 11 Merzdorf et al (1982), quoting Institut für Demoskopie Allensbach (IFD) (1965, 1978, 1973-1979), Tobacco International (1980)**
- Survey details are only available for 1980: representative cross-section of West Germany, sample size 3 542.
  - Assumed extensions to age distribution for percentage smokers are shown in the extended version of Table 4 in the Excel tables workbook.
- 12 Merzdorf et al (1982), quoting DIVO (1958, 1966, 1974) (no details)**
- Assumed extensions to age distribution for percentage smokers are shown in the extended version of Table 4 in the Excel tables workbook.
- 13 Merzdorf et al (1982), quoting tobacco industry**
- Cigarette smokers: smoked at least one manufactured cigarette per day.

**14 Readers Digest (1963)**

- a. Series of surveys conducted in European countries using identical questionnaires. West German survey conducted by IFD. Random sample of about 2 000 people.
- b. For both sexes combined (where 34% smoked cigarettes), filter cigarettes were smoked by 28% and non-filter by 9%. It is also reported that 15% of men (10% age <40 and 19% age 40+) smoked a pipe, and that 27% of men (13% age <40 and 36% age 40+) smoked cigars.
- c. Assumed extensions to age distribution for percentage smokers are shown in the extended version of Table 4 in the Excel tables workbook.

**15 Merzdorf *et al* (1982), quoting Burda-Verlag (1967, 1976)**

- a. Assumed extensions to age distribution for percentage smokers are shown in the extended version of Table 4 in the Excel tables workbook.

**16 Merzdorf *et al* (1982), quoting Spiegel-Verlag (1971, 1978)**

- a. Assumed extensions to age distribution for percentage smokers are shown in the extended version of Table 4 in the Excel tables workbook.

**17 Merzdorf *et al* (1982), quoting Stern (1977)**

- a. Assumed extensions to age distribution for percentage smokers are shown in the extended version of Table 4 in the Excel tables workbook.

**18-19 Laaser *et al* (1977)**

- a. Study in Cologne schools – 23 Gymnasien (grammar schools) and 17 Berufsschulen (vocational schools). Sample size 6 302.
- b. Age-specific prevalence data shown in Table 4 as source **18** are based on Gymnasien, source **19** on Berufsschulen, and are taken from a graph. Results shown in *All ages* column and other tables are based on both school types combined.

**20 Harreis *et al* (1980)**

- a. Study in 35 schools, 29 of which were in Baden-Württemberg. Lower age limit 10. Sample size 9 080, response rate 91%.
- b. Results are also available by school type for age 10-14, showing lower prevalence in Gymnasien than other types.

**21 Letzel and Johnston (1984)**

- a. Nationally representative survey, field work conducted by a commercial research institute, face-to-face interviews. Sample size 1 670.
- b. Assumed extensions to age distribution for percentage smokers are shown in the extended version of Table 4 in the Excel tables workbook.

**22 Aarø *et al* (1981), quoting Tölle (1974)**

- a. Survey in “a larger town”. Year unknown. Age 10-18.
- b. It was also noted that “only about a quarter of the young people” smoked regularly.

**23-26 Tolonen *et al* (2000), Kuulasmaa *et al* (1998), Wolf *et al* (1998), Molarius *et al* (1999)**

- a. Surveys in four regions carried out in three phases, forming part of WHO MONICA Project:

| Region*                                    | Phase | Participation rate (%)** |         | Sample used |         | Date              |
|--|-------|--------------------------|---------|-------------|---------|-------------------|
|  |       | Males                    | Females | Males       | Females |                   |
| <b>23</b> Bremen (a)                       | 1     | 73                       | 69      | 812         | 852     | May 1984-Nov 1984 |
| <b>24</b> Rhein-Neckar Region (Heidelberg) | 1     | 78                       | 79      | 1 488       | 1 606   | Sep 1983-Jul 1987 |
| <b>25</b> Augsburg (urban)                 | 1     | 83                       | 78      | 922         | 880     | Oct 1984-May 1985 |
| <b>26</b> Augsburg (rural)                 | 1     | 84                       | 85      | 1 094       | 1 111   | Oct 1984-May 1985 |
| <b>23</b> Bremen (b)                       | 2     | 72                       | 69      | 1 054       | 1 113   | May 1988-Nov 1988 |
| <b>25</b> Augsburg (urban)                 | 2     | 78                       | 77      | 878         | 895     | Oct 1989-Jun 1990 |
| <b>26</b> Augsburg (rural)                 | 2     | 80                       | 82      | 1 074       | 1 102   | Oct 1989-Jun 1990 |
| <b>23</b> Bremen (b)                       | 3     | 68                       | 67      | 1 058       | 1 110   | May 1991-Jan 1992 |
| <b>25</b> Augsburg (urban)                 | 3     | 75                       | 76      | 837         | 863     | Oct 1994-Jul 1995 |
| <b>26</b> Augsburg (rural)                 | 3     | 82                       | 84      | 1 068       | 1 131   | Oct 1994-Jul 1995 |

\* Bremen (b) comprised 2 study centres, one of which was Bremen (a).

\*\* Participation rate refers to age 35-64 only, except for Bremen (a) where it refers to age 25-69.

Non-German citizens were excluded except in the Rhein-Neckar region. Bremen used self-administered questionnaires, other centres used interviews. See also sources **57-61** for MONICA centres in East Germany.

- b. All ages column relates only to age 35-64 and is standardized to world population.
  - c. Regular cigarette smokers: smoked cigarettes daily. All smokers: smoked cigarettes daily or occasionally, or smoked 1 g pipe tobacco or 1 cigar per week. Cigarettes per smoker refers to regular and occasional cigarette smokers.
  - d. For Bremen, a non-standard questionnaire was used (identical in all 3 phases) which did not allow regular and occasional smokers to be separated. Results for smoking of all products have been omitted for phase 1 due to increased proportions of missing data. An increase in missing data was also noted in phases 2 and 3 for cigarettes per smoker, and results (marked \* against source in Tables 5-6) should be regarded with caution.
  - e. A further survey wave in 1999-2000 was reported by Maron *et al* (2014) for the two Augsburg centres combined (not shown in main tables). Ages 25-64, sample size (males) 1 693, (females) 1 799. The prevalence of current cigarette smoking was (males) 35.2%, (females) 25.1%.
  - f. For phase 1, there are minor discrepancies between the data shown in Table 4 and equivalent data taken from WHO (1989) used in earlier editions of this report.
- 27 Malhotra (1978) quoting Luban-Plozza and Knaak-Sommer (1972)**
- a. Study in Hamburg schoolchildren, year uncertain (1965 assumed). Lower age limit 10.
- 28-29 von Harnack *et al* (1967)**
- a. Anonymous questionnaire study in 47 schools of all types carried out in Hamburg (urban, shown as source 28) and Düren (rural, shown as source 29). Total sample size 6 408.
  - b. Consumption category estimation based on 1-7, 8-14, 15-49, 50-99, 100+ cigarettes/smoker/week.
- 30 Bach and Bach (1968)**
- a. Anonymous questionnaire survey in small town schools in Kirchain/Mittlehessen. Sample size 712, response rate 99%. The proportions at different school types and their ages were:
- | School type | % of sample | Age range |
|-------------|-------------|-----------|
| Gymnasium   | 50          | 12-21     |
| Realschule  | 35          | 12-18     |
| Volksschule | 15          | 12-15     |
- b. The prevalence of smoking was 41% for sexes combined, not reported separately. Among smokers, 72% of boys smoked cigarettes, 19% pipes and 8% cigars, while all girls smoked cigarettes.
  - c. Consumption category estimation based on ≤5, 6-9, 10-20 and 21+ cigarettes/smoker/day.
- 31 Bayerische Staatsministerien des Innern und für Arbeit und Sozialordnung (1982)**
- a. 'Youth asks youth', series of surveys in Bavaria. Sample size (1973) 2 676, (1976) 2 441, (1980) 2 033.
  - b. Smokers: smoked at least occasionally.
- 32 Malhotra (1978) quoting Benad (1973)**
- a. Nationwide representative study.
  - b. No smoking prevalence estimates were given by sex. The prevalence of smoking (sexes combined, age 12-25) was 51%. Sex-specific estimates of cigarettes per smoker are shown in Table 5.
  - c. Probably the same source as source 68, although there is a discrepancy in the lower age limit.
- 33 Malhotra (1978) quoting Malhotra (1977)**
- a. Study in Wuppertal schoolchildren, 1974-1975.
- 34 Mohl (1979)**
- a. Representative study in West Germany including West Berlin, conducted by GfK (Gesellschaft für Konsum-, Markt-, und Absatzforschung e.V., Nürnberg). Year not stated (1978 assumed). Sample size 3 945.
  - b. Assumed extensions to age distribution for percentage smokers and for cigarettes/person/day are shown in the extended versions of Tables 4 and 6 respectively in the Excel tables workbook.
- 35 Lippert *et al* (1980, 1981)**
- a. School-based study by the American Health Foundation and the Institut für Sozial Medizin und Epidemiologie des Bundesgesundheitsamtes. The study was part of the international "Know Your Body" program, and was also a pilot study before an intervention project. Conducted Apr-Jun 1979. All pupils attending the 7<sup>th</sup> and 9<sup>th</sup> grades of 5 schools in West

- Berlin were eligible, predominantly aged 13-15. The schools were selected from two boroughs with mainly lower middle-class populations, and included three public schools (Hauptschule) and two gymnasiums, public school pupils having generally lower socioeconomic status than gymnasium pupils. Medical examination and interview, with health habits collected by self-administered questionnaire. Pupils were assured of the confidentiality of findings, and that determination of serum thiocyanate would be used to verify their answers. Response rate (parental consent) 78%, (overall participation) 72%, (public school) 66%, (gymnasium) 81%. Sample size (after excluding from analysis 18 pupils who were aged 17-18) 800.
- b. Smokers marked as frequency \*: smoked 1+ cigarettes daily. All smokers: smoked daily or occasionally.
  - c. Results for cigarettes per smoker (Table 5) are based on smokers of 1+ cigarettes per week, and are available for ages 13-15 only (Lippert *et al* (1980)).
  - d. See also *Additional information (not presented in tables)*, p. 105, for results by school type.
  - e. Consumption category estimation based on 1-4, 5-9, 10-19 and 20+ cigarettes/smoker/week using standard distribution (derived from adult daily smoking), and resulting figures should be regarded with caution.
  - f. Wynder *et al* (1981) also reported results from this study, restricted to 13-year olds. There are unexplained discrepancies with the results presented by Lippert *et al*. e.g. prevalence of daily smoking among boys was shown graphically as approximately 3.5% by Wynder and as 8.0% by Lippert *et al*. Wynder *et al* also gave the definition of occasional smoking as "less than daily but more than never" (thus apparently including ex smokers) but use of serum thiocyanate to verify smoking would suggest that current smoking was the focus.

### **36 Hoffmeister *et al* (1994), Rothenbacher *et al* (1996), Junge and Nagel (1999)**

- a. German Cardiovascular Prevention Study (GCP). Nationally representative samples (West Germany including West Berlin). Subjects were invited for physical examination and completed a self-administered questionnaire. Results weighted to adjust for non-participation.

| Midpoint year | Dates             | Sample size |         | Participation rate (%) |
|---------------|-------------------|-------------|---------|------------------------|
|               |                   | Males       | Females |                        |
| 1985          | Jun 1984-May 1986 | 2 417       | 2 373   | 67                     |
| 1988          | Sep 1987-Aug 1989 | 2 649       | 2 686   | 71                     |
| 1990          | Apr 1990-Apr 1991 | 2 623       | 2 688   | 69                     |

- b. Results are also presented in the 'Germany' section of the Tables under this source number, based on combined data from the West German 1990-1991 survey and the East German 1991-1992 survey (source **66**).
- c. There are slight discrepancies in the prevalence reported by the different sources.
- d. Consumption category estimation (1988) based on 1-9, 10-19, 20+ cigarettes/smoker/day. Consumption per smoker (1990) refers to regular and occasional cigarette smokers.
- e. Calculation of cigarettes per person based on percentage of smokers (unspecified) and cigarettes per cigarette smoker, and should be regarded with caution.

### **37 Scheuermann *et al* (1991)**

- a. BRUKAMOS study, conducted in Bruchsal, Karlsruhe and Mosbach. Sample size 3 737
- b. Smokers: smoked at least 1 cigarette per day, or smoked pipe or cigars.
- c. Calculation of cigarettes per person based on percentage of smokers of all products, and number of cigarettes per cigarette smoker, so may overestimate.

### **38 van Reek *et al* (1992), van Reek and Adriaanse (1995)**

- a. A series of surveys of Young Europeans. About 800 children aged 11-15 years interviewed in each EC country except Luxembourg (where only 250 interviewed). Lowest age group 11-12. Interviews conducted at home, with parents absent.
- b. Smokers marked as frequency \*: smoked daily. Regular smokers: smoked at least once a week.

### **39 Weiland *et al* (1994)**

- a. Random sample of schoolchildren in the city of Bochum, school grades 7 and 8. Anonymous questionnaire covering respiratory health and active and passive smoking, completed in class with survey administrators present. Part of a study of asthma. Sample size (males) 978, (females) 1 072.
- b. Smokers marked as frequency \*: smoked 1+ cigarettes per day. All smokers: smoked in last month.
- c. Consumption category estimation based on two categories, 1-10 and >10 cigarettes/smoker/day, and resulting figures should be regarded with caution.

**40-41 Scholz and Kaltenbach (1995)**

- a. Study in 2 cities, Offenbach (1991-1992) and Hanau (1992). 31 schools of all types. Anonymous questionnaire on smoking, alcohol and drugs. Sample size 2 979.
- b. Results shown as source 40 relate to inner city, 41 to suburbs.
- c. Table 4 shows approximate age corresponding to school grade 7.
- d. Smokers marked as frequency \*: smoked daily.

**42 Maziak et al (2003)**

- a. Surveys conducted in Muenster, in 1994-1995 and 1999-2000 using identical protocols, as part of the ISAAC project. Schools randomly selected from all city schools. Anonymous questionnaires completed at school. Age group 12-15.

| Year | Sample size |       |       | Pupil participation rate (%) |
|------|-------------|-------|-------|------------------------------|
|      | Schools     | Boys  | Girls |                              |
| 1994 | 35          | 1 960 | 1 974 | 94                           |
| 1999 | 36          | 2 002 | 2 026 | 94                           |

- b. Smokers marked as frequency \*: smoked daily. All smokers: smoked in last month.
- c. Consumption category estimation based on two categories, 1-10 and >10 cigarettes/daily smoker/day, and resulting figures should be regarded with caution.

*East Germany***43 Heinemann et al (1995)**

- a. Estimates compiled by combining various cross-sectional studies, or baseline of cohort or intervention studies. Results are age-adjusted to 1984 population of West Germany.

| Mid-point* | Year      | Reference  | Area   |
|------------|-----------|--|--|
| 1960       | 1960      | Werner (1961)  | Wurzen, semi-rural                             |
| 1971       | 1968      | Böthig (1974)  | Berlin-Mitte, urban                            |
|            | 1970      | Thiele et al (1974)  | Sternberg, semi-rural                          |
|            | 1970      | Wolff (1981)   | Gnoien, urban                                  |
|            | 1971      | Hüttner et al (1972a, 1972b)   | Berlin-Treptow, Friedrichshain, urban          |
|            | 1974      | Barth et al (1978)   | Berlin-Lichtenberg, urban                      |
|            | 1974      | Faulhaber (unpublished)  | Berlin-Pankow                                  |
|            | 1974      | Knappe (unpublished)   | Erfurt (Kaunas-Rotterdam intervention study)   |
| 1977       | 1975/1976 | Gräfner (1979)   | Schwedt, semi-rural                            |
|            | 1976      | Heinemann et al (1984),<br>Eckstein et al (1983),<br>Eckstein (1986) | 2 studies in Schleiz and Dippoldiswalde, rural |
|            | 1976      | Heinrich (unpublished)   | Erfurt (Uniformtechnik), urban                 |
|            | 1977      | Heinrich (unpublished)   | Erfurt (Optima), urban                         |
|            | 1975-1979 | Hartung and Hartung (1984)   | Chemnitz, urban                                |
| 1984       | 1982-1984 | Heinemann (unpublished)  | Multi-centric CANON-Studie, urban and rural    |
|            | 1984-1985 | Heinemann et al (1988),<br>Heinemann (1988)                          | Multi-centric MONICA I study, urban and rural  |
| 1988       | 1988-1989 | MONICA East Germany Team (1993)                                      | Mulit-centric MONICA II study, urban and rural |
| 1991       | 1991-1992 | HIES-Team (1992)   | HIES representative survey, urban and rural    |

\*used in Table 4

- b. Regular smokers: smoked more than 1 cigarette per day, based on different questionnaires in the various studies.
- c. Some of the studies included here are also presented as separate sources.

**44 Zuber and Zuber (1973)**

- a. Anonymous study among pupils at all schools, including vocational school, in Zeulenroda, Ostthüringen. Lower age limit 10. Sample size (males) 710, (females) 663.
- b. Cigarette smokers marked as frequency \*: smoked daily. Regular cigarette smokers: smoked weekly. All smokers: smoked cigarettes weekly, or smoked pipe or cigar.
- c. Consumption category estimation based on 1-5, 6-10, >10 cigarettes/smoker/day, males only. All regular female smokers smoked 1-5 cigarettes, except one who smoked 6-10.

- 45 Reissig (1977, 1989)**
- Longitudinal studies conducted by Zentralinstitut für Jugendforschung in Leipzig school pupils. Sample size (first study 1968-1975) 600.
  - Table 4 shows approximate ages corresponding to school grades 8-10 (except 1975 when the subjects were in the 12<sup>th</sup> grade, or were apprentices or students).
  - Smokers marked as frequency \*: smoked daily. All smokers: smoked daily or occasionally.
  - Consumption category estimation (1975 only) based on occasional (assume 0.5), 1-3, 4-10, 11-15, 16-20, 21+ cigarettes/smoker/day.
- 46 Geizerova and Masironi (1988)**
- No original source. Age group not stated for 1971 data, assumed same as for 1983.
- 47 Hüttnér *et al* (1972a, 1972b)**
- Representative survey in East Berlin. Sample size 4 983.
  - Cigarette smokers: smokers who smoked predominantly cigarettes.
  - Consumption category estimation based on 1-4, 5-9, 10-20, 21+ grams/smoker/day.
  - Assumed extensions to age distribution for percentage smokers and for cigarettes/person/day are shown in the extended versions of Tables 4 and 6 respectively in the Excel tables workbook.
- 48-49 Herrmann and Liehs (1977)**
- Cross-sectional study comprising interview and medical check.
- | Location   | Year                                      | Sample size |         |
|--|---|-------------|---------|
|  |   | Males       | Females |
| <b>48</b> 4 towns—Halle, Erfurt, Schwerin, Freiberg (males only) | 1971 (males only),<br>1973 (females only) | 8 369       | 2 505   |
| <b>49</b> 21 towns   | 1973 (both sexes)                         | 13 807      | 8 324   |
- Source **48** – results marked with \* against source: Some results were available only for Halle (the age-specific proportion of male smokers who smoked cigarettes or mixed products but not pipe/cigars only), or for Halle, Erfurt and Schwerin (average consumption of tobacco, grams per smoker per day); these have been combined with the prevalence of smoking in the 4 towns to estimate age-specific prevalence of cigarette smoking (Table 4) and the consumption per person (Table 6).
- 50 Reissig (1977)**
- Study among young workers in Berlin, Leipzig, Karl-Marx-Stadt and Rostock. Stated to be “approximately representative of the working youth of the GDR”. Sample size 4 000.
- 51 Wuthe *et al* (1977)**
- Part of a study of lung function in schoolchildren in Berlin-Karow. Confidential interview. Ages 6-16 studied, but only results for age 12-16 presented here. Year not stated (1976 assumed). Sample size for age 12-16 (males) 210, (females) 164.
  - Smokers marked as frequency \*: smoked 1+ cigarettes per day.
  - Most data taken from a chart.
- 52 Schlegel and Schulz (1987) quoting Eisenblätter *et al* (1982, 1995) (no details)**
- Study in Berlin-Pankow, 1977-1978.
  - Definitions assumed to be the same as for source **56**. Smokers marked as frequency \*: smoked daily. Regular smokers: smoked >1 cigarette per week. All smokers: smoked >1 cigarette per month.
- 53 Keyl (1979)**
- Interview study in school pupils in a rural district. Table 5 shows approximate ages corresponding to school grades 8-12. Sample size (males) 768, (females) 734.
  - Overall sex-specific prevalence estimates could not be derived. The prevalence of smoking was 41% for the sexes combined; and sex-specific results varied between approximately 50-75% for boys and 25-50% for girls for the individual schools.
  - Consumption category estimation based on <3 (assume 1-3), 4-5, 6+ cigarettes/smoker/day, omitting occasional smokers.
- 54 Krecklow (1987)**
- Anonymous questionnaire study at a polytechnic Oberschule in Waren. Conducted in 1981-1985 (shown as 1983 in Tables 4-6). Sample size (age 12) 1 348, (age 16) 613.
  - Smokers marked as frequency \*: smoked 1+ cigarettes per day. All smokers: smoked occasionally or 1+ cigarettes per day.
  - Consumption category estimation (age 16 only) based on 1-5, 6-10, 11+ cigarettes/smoker/day.

**55 Piorkowski and Piorkowski (1983)**

- a. Anonymous questionnaire study of grades 5-10 in 15 schools in Cottbus county.  
Questionnaires completed at home after classes on the dangers of smoking. Year not stated.  
Sample size (males) 1 679, (females) 1 541.
- b. Tables 4-6 show approximate ages corresponding to school grades 7-10.
- c. Some data taken from graphs.

**56 Schlegel and Schulz (1987)**

- a. Part of an intervention study on cardiovascular risk factors, all schools in Hohenmölsen, a rural district. Self-completion questionnaire, not anonymous. Sample size (males) 637, (females) 635.
- b. Smokers marked as frequency \*: smoked daily. Regular smokers: smoked >1 cigarette per week. All smokers: smoked >1 cigarette per month.

**57-61 Tolonen et al (2000), Kuulasmaa et al (1998), Wolf et al (1998), Molarius et al (1999)**

- a. Surveys using face-to-face interviews in various regions carried out in three phases, forming part of WHO MONICA Project:

| Region*                   | Phase | Participation rate (%)** |         | Sample used |         | Date              |
|---------------------------|-------|--------------------------|---------|-------------|---------|-------------------|
|                           |       | Males                    | Females | Males       | Females |                   |
| 57 E Germany (a)          | 1     | 90                       | 91      | 620         | 677     | May 1982-Aug 1984 |
| 58 Cottbus County         | 1     | 79                       | 75      | 658         | 739     | Oct 1984-Jul 1986 |
| 59 Halle County           | 1     | 88                       | 89      | 1 111       | 1 173   | Nov 1983-Jul 1984 |
| 60 Karl-Marx-Stadt County | 1     | 91                       | 90      | 1 108       | 1 231   | May 1982-Dec 1985 |
| 61 Rest of DDR            | 1     | 78                       | 76      | 939         | 975     | May 1982-Jun 1985 |
| 57 E Germany (a)          | 2     | 80                       | 77      | 1 357       | 1 548   | Sep 1987-Nov 1988 |
| 58 Cottbus County         | 2     | 74                       | 75      | 542         | 530     | May 1989-May 1990 |
| 59 Halle County           | 2     | 89                       | 89      | 962         | 1 202   | Oct 1988-Jul 1989 |
| 60 Karl-Marx-Stadt County | 2     | 80                       | 85      | 1 024       | 1 259   | Jan 1988-Dec 1989 |
| 57 East Germany (a)       | 3     | 57                       | 61      | 1 135       | 1 186   | Sep 1991-Dec 1994 |

\* There is some overlap between E Germany (a) and other regions, but it is included here as it provides continuity over all 3 phases; E Germany (a) comprises Erfurt, which is also included in Rest of DDR, and Chemnitz and Zwickau which are also included in Karl-Marx-Stadt County. Berlin-Lichtenberg is part of Rest of DDR in phase 1; data are available separately for phase 2 but have not been included here.

\*\* Participation rate refers to age 35-64 only; for E Germany (a) it refers to Chemnitz and Zwickau only.

See also sources 23-26 for MONICA centres in West Germany.

- b. All ages column relates only to age 35-64 and is standardized to world population.
- c. Regular cigarette smokers: smoked cigarettes daily. All smokers: smoked cigarettes daily or occasionally, or smoked 1 g pipe tobacco or 1 cigar per week. Cigarettes per smoker refers to regular and occasional cigarette smokers. Exceptionally, in phase 1 for E Germany (a), Karl-Marx-Stadt County and Rest of DDR, some units used a different questionnaire which asked about smoking (unspecified as to regular and occasional). The results shown for those regions in Table 4 with frequency code A are therefore a combination of all smokers (as defined earlier in this paragraph), and unspecified smokers.
- d. For phase 1, there are minor discrepancies between the data shown in Table 4 and equivalent data taken from WHO (1989) used in earlier editions of this report.

**62 Magdowski and Maahs (1983)**

- a. Study in 7 schools in an urban district in Sternberg (East Germany). Anonymous questionnaires. Tables 4-6 show approximate ages corresponding to school grades 9-12. Age-specific results for grades 11-12 (approximate age 17-18, shown as \* in Tables) are omitted as based on very small sample. Sample size 769, response rate 92%.
- b. Smokers marked as frequency \*: smoked daily. All smokers: smoked daily or occasionally.

**63 Preuss (1991)**

- a. Anonymous questionnaire study of schoolchildren at all schools in Stendal (county town). Sample size for grades 5-10 (males) 1 401, (females) 1 458.
- b. Table 4 shows approximate ages corresponding to school grades 7-10.
- c. Regular smokers: smoked at least one cigarette per week. All smokers: smoked regularly or occasionally.

**64 Donat (1989)**

- a. Representative survey by Institut für Marktforschung Leipzig. Sample size (males) 946, (females) 1 057.
- b. Regular smokers: smoked at least 1 cigarette per day on average.
- c. Consumption category estimation based on 1-3, 4-6, 7-10, 11-15, 16-20, >20 cigarettes/smoker/day.

**65 Theopold (1972) quoting Lickint (no details)**

- a. Study in schoolchildren in Chemnitz. Year not stated. Last age group relates to age 20.

**66 Junge and Nagel (1999)**

- a. Health study in 1991-1992 in East German region, comparable to source 36 in West Germany in 1990-1991.
- b. Consumption per smoker based on regular and occasional cigarette smokers.
- c. Calculation of cigarettes per person based on percentage of smokers (unspecified) and cigarettes per cigarette smoker, and should be regarded with caution.

*Germany (or both West and East Germany)*

**67 Statistisches Bundesamt (1978-1995, 2004, 2006, 2010, 2014)**

- a. Mikrozensus. For 1978-2003, sample 0.5% of the population age 10+, conducted in a single week (usually in April). From 2005, sample 1% of population with a continuous interviewing program throughout the year. Personal interviews, with written questionnaires and proxy responses permitted. Participation is obligatory, but answering of the health-related questions (including smoking) is voluntary, with typically 90% response rate for the voluntary elements.

|      | Sample size |         | Household response rate (%) | Proxy rate (%) |
|------|-------------|---------|-----------------------------|----------------|
|      | Households  | Persons |                             |                |
| 2005 | 390 000     | 830 000 | 96                          | 25-30          |
| 2009 | 340 000     | 700 000 | 97                          | 25             |
| 2013 | 336 200     | 683 000 | 97                          | 24             |

- b. Up to 1995, we have not presented the results for age 10-14 (marked \* in Tables 4-7), as they were commonly omitted or marked as unreliable due to small numbers; however the *All ages* column refers to age 10+. From 1999 smoking questions were put only to persons aged 15+.
- c. Results for 1992 were reported for both West and East Germany separately and combined. For 1995 onwards, we present results for (unified) Germany only, although they are also available for individual Länder (see e.g. Statistisches Bundesamt (2006)).
- d. For 1999 onwards, cigarette smokers (Tables 4-8) are those who smoked predominantly cigarettes.
- e. Among smokers, the percentages predominantly smoking various products in 2009 were as follows:

|                   | Males |       |      |      | Females |       |      |      |
|-------------------|-------|-------|------|------|---------|-------|------|------|
|                   | 15-40 | 40-65 | 65+  | 15+  | 15-40   | 40-65 | 65+  | 15+  |
| Cigarettes        | 97.7  | 93.9  | 85.9 | 94.7 | 98.9    | 98.7  | 97.8 | 98.7 |
| Cigars/cigarillos | 1.5   | 4.3   | 8.7  | 3.5  | 0.9     | 1.2   | 2.0  | 1.2  |
| Pipe              | 0.4   | 1.8   | 5.5  | 1.5  | —       | —     | —    | 0.1  |
| Shisha            | 0.4   | —     | —    | 0.2  | —       | —     | —    | 0.1  |

Source: Statistisches Bundesamt (2010). For other years, see e.g. Statistisches Bundesamt (2006, 2014)

- f. For 1978, consumption category estimation based on 1-20, 21-40, 41+. No data available for age 10-13; for age 14-15, no estimate is possible because all categories except 1-20 were shown as unreliable; for males age 16-19 and females age 15-24 and 50+, estimation is based on 1-20 and 21-40 only (because both 41+ and 'no data' categories were shown as unreliable), so may underestimate. For 1999 onwards, consumption category estimation based on 1-4, 5-20, 21-40 and 41+; where the 41+ category was shown as unreliable, it has been estimated by subtraction from the total, and where more than one category was shown as unreliable no estimate has been made (shown as \* in Tables 5-7).

**68, 69 Bundeszentrale für gesundheitliche Aufklärung (BZgA) (1994, 1998, 2001, 2004, 2009, 2012), Orth and Töppich (2010), Statistisches Bundesamt (2015a)**

- a. Drogenaffinität Jugendlicher (Drug Affinity among Young People), a series of surveys carried out by BZgA every 3 years on use of alcohol, illegal drugs, medication and tobacco among youth and young adults.

The lower age limit was 14 in 1973 and 1976, and 12 thereafter.

Until 1997, representative multistage surveys with personal interviews. From 2001-2011,

representative sample based on computer-generated random landline telephone numbers with computer-assisted telephone interviews (CATI). In 2015, a dual frame approach was adopted with the sample composed of 70% landline and 30% mobile phones. Until 1989, conducted in West Germany (sample size in 1981 was 11 711), thereafter in both west and east, with results generally available both separately and combined until 2004, sample size (West) 2 000, (East) 1 000. In 2011, the sample size was 5 001, response rate 61%. In 2015, the sample was 7 004 (4 903 landline, response rate 49%, and 2 101 mobile, response rate 32%).

- b. In 2015, as well as the change to dual frame sampling, analysis weighted by education (in addition to age, gender and region used previously) was introduced to improve representativeness. Results using the new methodology and the full sample are shown as source **69**, while results based landline only comparable to earlier years are shown as source **68**. The BZgA Alcohol Study used similar methodology and is shown as sources **82-83**.
- c. Supplementary surveys conducted as part of a BZgA campaign “rauchfrei” (smoke-free) in 2003, 2005 and 2007, ages 12-19, sample size 3 600 are also shown as source **68**.
- d. For 1973 and 1976, the *All ages* values refer to ages 14+, the full range surveyed in those years; age-specific data are not available for the age group 14-15 marked \*.
- e. Smokers marked as frequency \*: (2001) self-assessed smoker and smoked at least 1 cigarette/day; (2003-2008) had smoked at least 100 cigarettes and smoked at least 1 cigarette every day in last 30 days; (2011 onwards) smoked at least 1 cigarette every day in last 30 days.
- f. Regular smokers: self-assessed regular smokers.  
All smokers: self-assessed regular and occasional smokers (generally referred to in the original papers as “smoker rate A”); results using an alternative definitions introduced in 2003 are marked \* against the source in Table 4: had smoked at least 100 cigarettes and smoked in last 30 days (“smoker rate B”).
- g. Among smokers (sexes combined) the percentages smoking different products (selected years) were:

|       |      | Cigarettes   |       |             | Pipe |
|-------|------|--------------|-------|-------------|------|
|       |      | Filter       | Plain | Hand-rolled |      |
| 1981* | West | 76           | 7     | 26          | 1    |
| 1993  | West | 88           | 1     | 8           | 1    |
| 1993  | East | 95           | 3     | 2           | 0    |
|       |      | Manufactured |       | Hand-rolled |      |
| 2003  |      | 92           |       | 7           |      |
| 2005  |      | 81           |       | 19          |      |

\* Multiple responses possible

The prevalence of shisha smoking was reported as follows:

| Frequency       | Source  | Year | Males |       | Females |       |
|-----------------|---|------|-------|-------|---------|-------|
|                 |   |      | 12-17 | 18-25 | 12-17   | 18-25 |
| In last 30 days | <b>68</b>   | 2007 | 16.3  |       | 11.5    |       |
|                 | <b>68</b>   | 2008 | 14.0  | 10.9  | 10.4    | 4.6   |
|                 | <b>68</b>   | 2011 | 9.8   | 14.8  | 7.4     | 7.4   |
|                 | <b>68</b>   | 2015 | 10.1  | 19.5  | 6.4     | 11.9  |
|                 | <b>69</b>   | 2015 | 9.4   | 18.3  | 8.3     | 12.4  |
| At least weekly | <b>68</b>   | 2008 | 4.4   | 2.3   | 2.5     | 0.2   |
| h. i. j.        | For 1972/3, 1976 and 1981/2, there are some discrepancies between the data shown in Table 4 and the equivalent data taken from Merzdorf <i>et al</i> (1982) and Der Bundesminister für jugend Familie und Gesundheit (1983) used in the second edition of this report. In the first issue of the Web edition, data using the age grouping 12-15, 16-19 and 20-25 were generally shown (from e.g. BZgA (2002)); as data for virtually all years are now available for the alternative age grouping 12-15, 16-18, 18-21 and 22-25 those groups are now used throughout. |      |       |       |         |       |
|                 | Consumption category estimation (2003 onwards) based on 1-9, 10-19 and 20+ cigarettes/smoker/day by daily smokers.  |      |       |       |         |       |
|                 | The data marked * against the source number, and the 2015 data from source <b>68</b> are omitted from the supplement as they effectively duplicate other data.  |      |       |       |         |       |

**70 Junge and Nagel (1999), Thefeld (2000)**

- a. Bundesgesundheitssurvey (BGS, Federal Health Survey or German National Health Examination Survey), conducted by the Robert Koch-Institut for the Federal Ministry of Health. Representative sample of the residential population, with interview and medical examination. Conducted October 1997-March 1999 (shown in Tables as 1998). Sample size 7 124. Response rate was 61% for full participation, but 78% for at least a short questionnaire.
- b. Results (not presented here) are also available on a basis directly comparable to the 1990-1992 GCP surveys (sources **36** and **66**) (Junge and Nagel (1999)). A birth-cohort analysis of this survey was presented by Schulz and Grimes (2005), see Appendix V.
- c. Calculation of cigarettes per person based on percentage of smokers (product and frequency unspecified for East and West, daily smokers but product unspecified for combined), and number of cigarettes per daily cigarette smoker, so may overestimate.
- d. Assumed extensions to age distribution for percentage smokers and for cigarettes/person/day are shown in the extended versions of Tables 4 and 6 respectively in the Excel tables workbook.

**71 Lampert and Burger (2005), Ellert *et al* (2006)**

- a. Der telefonische Bundes-Gesundheitssurvey (GSTel, National German Telephone Health Survey). Conducted by the Robert Koch-Institut. Randomly selected sample of the German-speaking resident population living in private households. Computer-assisted telephone interviews via landlines. GSTel03 Sep 2002-Mar 2003, sample size 8 313, response rate 60%. GSTel04 Sep 2003-Mar 2004, sample size 7 341, response rate 64%
- b. Regular smokers: smoked daily. Cigarette smokers: smokers who smoke mainly or exclusively cigarettes. All smokers: smokes currently, even occasionally.
- c. In GSTel03, smoking of other products was mainly by middle-aged and older men (e.g. among men age 65 or more, 9% smoked pipe and 10% cigars, cigarillos or Stumpen (Lampert and Burger (2004))).
- d. Calculation of cigarettes per person based on percentage of smokers of all products, and number of cigarettes per cigarette smoker, so may overestimate, especially for middle-aged and older men.
- e. Assumed extensions to age distribution for percentage smokers and for cigarettes/person/day are shown in the extended versions of Tables 4 and 6 respectively in the Excel tables workbook.

**72, 73 Rabier *et al* (1989), Reif and Melich (1990, 1991a, 1991b, 1992, 1995, 1998a, 1998b, 2000), Reif and Marlier (1998), Melich (2006), Christensen (2004), Papacostas (2008, 2009, 2012), European Commission: TNS Social and Opinion (2014)**

- a. Eurobarometer Surveys commissioned by the European Commission to monitor public opinion in the European Union. Some Eurobarometer surveys include questions on smoking habits. Sample size 1 000 in West Germany. A separate sample was drawn in East Germany of 1 000 from 1990 (EB 34.1) to 2002 (EB 58.2), reducing to 500 in 2005 (EB 64.1). Results shown for Germany are weighted to the combined population.
- b. These surveys provide results that are comparable across countries. However, they have been criticised for having small sample sizes and for generating “estimates that are in some cases widely discrepant from more substantive national sources” (Bogdanovica *et al* (2011)).
- c. For surveys before 1994 the sample consisted of people aged 15 and over who were resident in the country and had the country’s nationality (source **72**). For surveys after 1994 the sample consisted of people aged 15 and over who were resident in the country and had the nationality of any of the member states (source **73**). For 1994 itself (Eurobarometer survey 41.0) results were available according to both sample definitions and both are presented.
- d. Two waves of the survey were carried out in each of 1988 and 1989. Prevalence data from both waves are presented in Table 4 but data on cigarettes per smoker and per person are available only from the first.
- e. Frequency U represents positive answers to questions such as “Do you smoke cigarettes?” or “You smoke packeted cigarettes”. From 2002-2006 an additional question made it possible to identify regular smokers also; our estimates of regular cigarette smoking assume that the proportion smoking regularly applies equally to smokers of each product, which may overestimate by including any regular smokers of pipe/cigar/hand-rolled who only occasionally smoked manufactured cigarettes (and similarly for regular smoking of total cigarettes). From 2009 the questionnaire format clearly asked about regular and occasional smoking and so frequency codes R and A are used.
- f. For 2009, hand-rolled (HR) cigarette smoking and use of snuff or chewing tobacco were reported as follows:

|  | Male  |       |       |      |          | Female |       |       |      |          |
|--|-------|-------|-------|------|----------|--------|-------|-------|------|----------|
|  | 15-24 | 25-39 | 40-54 | 55+  | All ages | 15-24  | 25-39 | 40-54 | 55+  | All ages |
| <b>Smokes HR regularly</b>                       |       |       |       |      |          |        |       |       |      |          |
| As % of population:                              | 2.5   | 12.7  | 9.6   | 2.8  | 6.9      | 5.4    | 6.5   | 4.1   | 2.5  | 4.1      |
| As % of regular cigarette smokers:               | 10.2  | 30.9  | 27.7  | 19.0 | 24.9     | 22.4   | 23.4  | 17.1  | 29.5 | 22.3     |
| <b>Smokes HR regularly or occasionally</b>       |       |       |       |      |          |        |       |       |      |          |
| As % of population:                              | 12.9  | 24.6  | 20.3  | 4.7  | 14.7     | 12.9   | 13.3  | 9.2   | 2.9  | 7.9      |
| As % of regular or occasional cigarette smokers: | 52.0  | 55.5  | 54.6  | 31.7 | 50.5     | 53.7   | 45.6  | 36.0  | 33.9 | 41.4     |
| <b>Uses snuff/chewing tobacco regularly</b>      |       |       |       |      |          |        |       |       |      |          |
| As % of population:                              | 0.0   | 0.4   | 0.7   | 1.5  | 0.8      | 0.0    | 0.0   | 0.0   | 0.0  | 0.0      |

Source: Papacostas (2012), Germany.

In both 2009 and 2012, the prevalence of regular e-cigarette use was 1% (sexes combined), with a further 1% using them occasionally (Papacostas (2012), European Commission: TNS Social and Opinion (2014)).

- g. Consumption category estimation based on <5, 5-9, 10-14, 15-19, 20-24, 25-30, 31-34, 35-40 and 41+ cigarettes/smoker/day (1987 only) and <5, 5-9, 10-14, 15-19, 20-24, 25-29, 30-34, 35-39 and 40+ cigarettes/smoker/day (other years). Exact values for cigarettes/smoker/day are available for 2009 (see also Appendix III) and 2012.
- h. Before 2002 the calculation of cigarettes per person was based on prevalence of smoking (daily and non-daily) and number of cigarettes per daily smoker, so may overestimate.
- i. In the supplement, data for 1994 are taken from source 73 and data from source 72 are omitted to avoid duplication.

#### 74 Helmert and Buitkamp (2004) quoting Böcken *et al* (2002)

- a. Bertelsmann-Gesundheitsmonitors (Bertelsmann-Health-Monitor), a nationally representative household sample of ages 18-79. Results presented here are pooled from 3 waves of the survey (spring and autumn 2002, and spring 2003), and refer to ages 25-69 only. Sample size (pooled) (males) 1 753, (females) 2 050.

#### 75 King *et al* (1996), Currie *et al* (2000, 2004, 2008, 2012), Inchley *et al* (2016)

- a. Part of the HBSC (Health Behaviour in School-Aged Children) Study, a collaborative cross-national research study sponsored by the WHO. The 1994 and 1998 surveys were conducted in the region of Nordrhein-Westfalen (North Rhine-Westphalia) and are presented in the 'West Germany' section of the Tables; the 2002 survey was conducted in Berlin, Hessen, North Rhine-Westphalia and Saxony (and 2006 assumed same four regions), and are presented in the 'Germany' section of the Tables, as are the nationwide surveys of 2010 and 2014. School classes or schools were randomly selected, targeting age groups 11 (not presented here), 13 and 15. The target sample size was 1 300 in each age group in 1994 and 1 500 thereafter.

| Year      | Mean age      |               | Sample size   |               |
|-----------|---------------|---------------|---------------|---------------|
|           | Target age 13 | Target age 15 | Target age 13 | Target age 15 |
| 1994      | 13.5          | 15.5          | 1 121         | 1 050         |
| 1998      | 13.3          | 15.3          | 1 613         | 1 599         |
| 2002      | 13.6          | 15.7          | 1 801         | 1 749         |
| 2006      | 13.3          | 15.4          | 2 441         | 2 552         |
| 2010      | 13.4          | 15.4          | 1 628         | 1 640         |
| 2013-2014 | 13.3          | 15.3          | 2 070         | 2 104         |

- b. Number of cigarettes per smoker per day (Table 5, 1998 only) is derived from the median number smoked per week.
- c. Smokers marked frequency \*: smoked daily. Regular smokers: smoke once a week or more.

#### 76 Hibell *et al* (2004, 2009, 2012)

- a. Representative survey in at least 5 (out of 16) Bundesländer, forming part of ESPAD (European School Survey Project on Alcohol and Other Drugs). The 5 states participating in all waves were Bavaria, Berlin, Brandenburg, Mecklenburg-Western Pomerania and Thuringia, and represent about 25% of the total population. Additionally, Hesse participated in 2003 and 2007, and Saarland in 2007. Target age 15-16. At least 92% of this age group were still enrolled in school (84% in the grades 9-10 included in the survey). Anonymous questionnaire completed in class. Teachers (but not the regular class teacher) present, but anonymity of questionnaires guaranteed. For 2011, Hibell *et al* (2012) noted that the large

number of non-participating schools and the large proportion of students who were denied participation by their parents or refused themselves, leave a certain measure of uncertainty.

| Date         | Sample size |         | Participation rate (%) |         |        | Target year<br>of birth | Average<br>age |
|--------------|-------------|---------|------------------------|---------|--------|-------------------------|----------------|
|              | Males       | Females | Schools                | Classes | Pupils |                         |                |
| Mar-Apr 2003 | 2 402       | 2 685   | —                      | 91      | 89     | 1987                    | 15.7           |
| Apr 2007     | 2 402       | 2 609   | 91                     | 90      | 88     | 1991                    | 15.8           |
| Apr-May 2011 | 1 285       | 1 511   | 40                     | 40      | 89     | 1995                    | 15.9           |

Alternative results (not shown) based on the 5 states which participated in all waves, and including the whole sample not limited to the target year of birth, are available from Kraus *et al* (2011).

- b. Smokers marked as frequency \*: smoked 1 or more cigarettes per day in the previous 30 days. All smokers: smoked at least one cigarette in the previous 30 days.
- c. Consumption category estimation based on 1-5, 6-10, 11-20, 21+ cigarettes/smoker/day.

#### 77 Lampert and Thamm (2007), Kuntz and Lampert (2016), Lampert and Kuntz (2014)

- a. Kinder- und Jugendgesundheitssurvey (KiGGS) (German Health Interview and Examination Survey for Children and Adolescents), by the Robert Koch-Institut, Berlin. The baseline survey (KiGGS-Basiserhebung) was conducted May 2003 to May 2006 (shown as 2004 in the Tables), in 167 districts. Nationally representative. Participants were aged 0-17, sample size 17 641, response rate 67%. The tobacco part of the study involved ages 11-17, sample size 6 813. Self-completion questionnaires. All participants, then aged 6-24, were invited to a follow-up survey KiGGS1 in 2009-2012 (shown as 2010), sample size 7 913, response rate 73%. Smoking results are available only for those aged 11-17 at follow-up, sample size 4 944. Telephone interviews. Results from the follow-up are weighted to the 2010 national population and for non-response according to characteristics from the baseline survey. Alternative results (not shown) from the baseline re-weighted to the 2010 population for comparability with the follow-up are available from Lampert and Kuntz (2014).
- b. Smokers marked frequency \*: smoked daily. Regular smokers: smoked at least once a week. All smokers: smoked now (including those smoking less than once a week).
- c. Data shown in the *All ages* column (Tables 4-6) relate to ages 11-17. Lowest age group (where dotted boundary shown) is 11-13; other data for 11-year olds not presented here.
- d. In Table 5, data shown for the baseline survey refer to daily smokers; results are not presented for age 11-13 as the numbers are too small for reliability. For the follow-up survey data in Table 5 refer to weekly smokers.
- e. In the follow-up survey, the prevalence (%) of use of waterpipe (shisha) in the last 30 days was reported by Kuntz *et al* (2015) as follows:

| Age | Males | Females |
|-----|-------|---------|
| 12  | 0.0   | 0.0     |
| 13  | 1.6   | 3.7     |
| 14  | 5.5   | 4.1     |
| 15  | 14.6  | 12.7    |
| 16  | 24.6  | 14.4    |
| 17  | 24.5  | 14.7    |

- f. See also *Additional information (not presented in tables)*, p. 105, for results by school type.
- g. For the baseline survey, consumption category estimation was based on 1-9, 10-19 and 20+ cigarettes/smoker/day, and included only daily smokers; by the same method, estimates for age 14-17 were 11.2 for boys and 9.8 for girls, somewhat higher than data (9.2 and 7.9 respectively) given by Lampert and Thamm (2007) for that age group referring to regular smokers. Results differ from those presented in the previous edition of this report due to correction of an error in our calculations.
- h. Calculation of cigarettes per person (Table 6) based on percentage of smokers of any product and number of cigarettes per smoker per day, and should be regarded with caution.

#### 78 Statistisches Bundesamt (2015b), Kuntz *et al* (2014), Lange *et al* (2015)

- a. Gesundheit in Deutschland aktuell (GEDA, German Health Update). Conducted by the Robert Koch-Institute on behalf of the Federal Ministry of Health as part of the nationwide health monitoring system (Gesundheitsberichterstattung des Bundes, GBE). See also source 79. Representative sample of German speaking adults (age 18+) living in private households with a landline telephone. Sampling methods ensured that households with listed or unlisted telephones had equal probability of selection. One adult per household selected, using the ‘last birthday’ method in 2009 and 2010, and by a random number method in 2012. Interviews using standardized computer-assisted telephone interviewing (CATI).

| Survey wave | Dates of fieldwork  | Sample size | Response rate* (%) | Cooperation rate* (%) |
|-------------|---------------------|-------------|--------------------|-----------------------|
| GEDA 2009   | Jul 2008 – Jun 2009 | 21 262      | 29                 | 51                    |
| GEDA 2010   | Sep 2009 – Jul 2010 | 22 050      | 29                 | 56                    |
| GEDA 2012   | Feb 2012 – Mar 2013 | 19 294      | 22                 | 77                    |

\* Response rate and Cooperation rate calculated according to American Association for Public Opinion Research (AAPOR) methods (Lange *et al* (2015)).

Lange *et al* (2015) described the response rates as “in line with expectations from the literature” given that the “environment for telephone surveys is difficult”, and concluded that the results weighted using an “elaborate post-stratification” can be assumed to be of “high data quality”.

- b. Regular smokers: smoked daily. Manufactured cigarettes smokers: derived from smokers (as defined below) and the percentage who used ready-made cigarettes exclusively or preferably (see also note c). Smokers: smoked now, even if only occasionally.
- c. Among smokers, the percentages using various products in 2009 were as follows:

| Product*                              | Age 65+ |         | Age 18+ |         |
|---------------------------------------|---------|---------|---------|---------|
|                                       | Males   | Females | Males   | Females |
| Ready-made cigarettes                 | -       |         | 76      | 83      |
| Self-rolled or self-filled cigarettes | -       |         | 26      | 24      |
| Cigars and cigarillos                 | 18      |         | 11      | 2       |
| Pipe                                  | 13      |         | 4       | 0.2     |

\* ready-made cigarettes were “exclusive or preferred use”; basis for other products not stated. (Lampert (2011))

- d. Consumption category estimation based on two categories, <20 (assumed 1-19) and 20+ cigarettes/smoker/day, and resulting figures should be regarded with caution, as occasional smokers and smokers of other products may be included in the “<20” category. Consumption per person has not been calculated due to lack of corresponding cigarette smoking prevalence.
- e. Assumed extensions to age distribution for percentage smokers are shown in the extended version of Table 4 in the Excel tables workbook.

#### 79 Eurostat (2013), Thelen and Hoebel (2012)

- a. European Health Interview Survey (EHIS), Wave 1. Thelen and Hoebel (2012) reported that the EHIS was conducted in Germany as part of the GEDA German Health Update (see source 78), with a supplementary telephone interview conducted by the Robert Koch-Institute. The survey description given below in note b is from Eurostat (2013), and reasons for some apparent discrepancies with GEDA (source 78 note a) are unknown.
- b. The German arm of the survey was conducted in September 2009 – July 2010 (shown as 2010 in the Tables). Includes those living in institutional settings. Smoking behaviour was obtained through self-completion questionnaires. Sample size approximately 21 000, response rate 54%, no proxy respondents.
- c. The All ages values refer to ages 18+; age-specific data are not available for the age groups marked \*.
- d. Regular cigarette smoker: smoked manufactured or hand-rolled cigarettes daily.
- e. Consumption category estimation based on two categories, 1-19 and 20+ cigarettes/smoker/day, and resulting figures should be regarded with caution.
- f. Assumed extensions to age distribution for percentage smokers and for cigarettes/person/day are shown in the extended versions of Tables 4 and 6 respectively in the Excel tables workbook.

#### 80 Gößwald *et al* (2012), Lampert *et al* (2013)

- a. Studie zur Gesundheit Erwachsener in Deutschland (DEGS, German Health Interview and Examination Study in Adults). The first wave of data collection (DEGS1) was carried out from Nov 2008 to Dec 2011 (shown against 2010 in Tables 4-8), and comprised health interviews and physical examinations. Sample size 8 152, of whom 3 959 were former participants of BGS98 (see source 70), response rate 62%, and 4 193 were first-time participants, response rate 42%.
- b. Consumption category estimation based on two categories, 1-19 and 20+ cigarettes/daily smoker/day, and resulting figures should be regarded with caution, especially as smokers of other products may be included in the “1-19” category.
- c. Assumed extensions to age distribution for percentage smokers and for cigarettes/person/day are shown in the extended versions of Tables 4 and 6 respectively in the Excel tables workbook.

**81 Kraus and Bauernfeind (1998), Kraus et al (2010b, 2010a, 2013), Augustin et al (2005), Baumeister et al (2008), Pabst et al (2010, 2013)**

- a. Erhebungswellen des Epidemiologischen Suchtsurveys (ESA Epidemiological Survey of Substance Abuse), formerly Bundesstudie (National Survey on the Use of Psychoactive Substances).

| Year | Method                          | Region          | Age   | Sample size | Response rate (%) |
|------|---------------------------------|-----------------|-------|-------------|-------------------|
| 1980 | Written (interviews in Bavaria) | West (7 Länder) | 12–24 | 10 240      | 67                |
| 1986 | Written                         | West            | 12–29 | 5 501       | 64                |
| 1990 | Written                         | West            | 12–39 | 19 208      | 64                |
|      |                                 | East            | 12–39 | 2 424       | 65                |
| 1992 | Written                         | East            | 12–39 | 4 455       | 54                |
| 1995 | Written                         | All             | 18–59 | 7 833       | 65                |
| 1997 | Written                         | All             | 18–59 | 8 020       | 65                |
| 2000 | Written                         | All             | 18–59 | 8 139       | 46                |
| 2003 | Written                         | All             | 18–59 | 8 061       | 55                |
| 2006 | Written, telephone              | All             | 18–64 | 7 912       | 45                |
| 2009 | Written, telephone, internet    | All             | 18–64 | 8 030       | 50                |
| 2012 | Written, telephone, internet    | All             | 18–64 | 9 084       | 54                |

Funded by the Bundesministerium für Gesundheit (BMG, Federal Ministry of Health), the survey has been conducted by the Institut für Therapieforschung (IFT) since 1990.

Representative of the German speaking population living in private households, nationally (except as shown in the table above). Younger adults were overrepresented in the random sample. Although (as shown in the table above) 12-17 year olds were included in some surveys, results are available only for ages 18 and over. For 2000, the *All ages* values (Table 4 West) refer to ages 18-59; age-specific data are not available for the age groups marked \*.

- b. Among smokers, the percentages smoking various products in 2000 were as follows (unified Germany):

|            |                          | Main product smoked |         | Any usage |         |
|------------|--------------------------|---------------------|---------|-----------|---------|
|            |                          | Males               | Females | Males     | Females |
| Cigarettes | manufactured, filtered   | 82.5                | 93.8    | 93.6      | 99.4    |
|            | self-made, filtered      | 3.3                 | 3.6     | 15.8      | 13.1    |
|            | manufactured, unfiltered | 2.3                 | 0.3     | 15.8      | 2.9     |
|            | self-made, unfiltered    | 5.6                 | 1.4     | 24.4      | 12.4    |
| Cigars     |                          | 0.8                 | 0.1     | 13.3      | 1.1     |
| Cigarillos |                          | 2.6                 | 0.7     | 20.8      | 4.3     |
| Pipe       |                          | 2.8                 | 0.1     | 15.4      | 1.2     |

- c. Regular smoker: (up to 2000) smoked daily in last 30 days; (2003 onwards) estimated (by us) from the prevalence of any smoking in last 30 days, and the proportion (among cigarette smokers) smoking an average of 1+ cigarettes per day (i.e. assuming that the proportion of regular smokers among smokers of other products is the same as among cigarette smokers; see also note d).

Smoker: smoked in last 30 days.

- d. Up to 1992, number of cigarettes smoked (Table 5) refers to daily smokers. After 1992, the number refers to all smokers, estimated (by the original authors) from the number of days smoked in the last 30 days, and the average number smoked on days when smoked.

- e. Consumption category estimation based on (1980-2000) two categories 1-19 and 20+ cigarettes/smoker/day, with the 1-19 category obtained by subtraction from the prevalence of daily smoking, and resulting figures should be regarded with caution; (2003 onwards) 1-10, 11-19 and 20+ cigarettes/cigarette smoker/day (see also note d).

- f. For 1980-2000, calculation of cigarettes per person (Table 6) is based on cigarettes per smoker (see notes d,e) and prevalence of daily smoking; for 2003 onwards, it is based on cigarettes per cigarette smoker (excluding occasional, see notes d,e) and prevalence of regular smoking (see note c). These estimates should be regarded with caution.

- g. Assumed extensions to age distribution for percentage smokers and for cigarettes/person/day are shown in the extended versions of Tables 4 and 6 respectively in the Excel tables workbook.

**82, 83 BZgA (2011, 2013), Orth and Töppich (2015)**

- a. Alkoholsurvey (Alcohol survey), a series of surveys carried out every 2 years by BZgA among youth and young adults. In 2010 and 2012 representative sample based on computer-generated random landline telephone numbers with computer-assisted telephone interviews (CATI). In 2014, a dual frame approach was adopted with the sample composed of 70% landline and 30% mobile phones, and also in 2014, weighting of results by education was introduced. These measures were intended to improve representativeness. Results based on the landline survey only and analysed comparably to earlier years are shown as source 82, while those based on the full dual frame sample using the extra weighting are shown as source 83.

|      | Sample size |        | Response rate (%) |        |
|------|-------------|--------|-------------------|--------|
|      | Landline    | Mobile | Landline          | Mobile |
| 2010 | 7 000       | -      | 53                | -      |
| 2012 | 5 000       | -      | 54                | -      |
| 2014 | 4 899       | 2 101  | 40                | 30     |

Results from this source are comparable to the Drug Affinity series (see sources 68-69).

- b. Smokers marked as frequency \*: (2010) had smoked at least 100 cigarettes and smoked at least 1 cigarette every day in last 30 days; (2012 onwards) smoked at least 1 cigarette every day in last 30 days  
 Regular smokers: self-assessed regular smokers.  
 All smokers: self-assessed regular and occasional smokers (referred to in the original papers as “smoker rate A”); results using an alternative definition are marked \* against the source in Table 4: had smoked at least 100 cigarettes and smoked in last 30 days (“smoker rate B”).  
 c. In 2014, the prevalence of e-cigarette usage (in the last 30 days) was 4% for both males and females among those aged 12-17, while among those age 18-25, it was 7% among males and 5% among females.  
 d. Consumption category estimation based on 1-9, 10-19 and 20+ cigarettes/smoker/day by daily smokers (see definition in note b).  
 e. The data marked \* against the source number, and the 2014 data from source 82 are omitted from the supplement as they effectively duplicate other data.

**84 Deutsches Institut für Wirtschaftsforschung (DIW Berlin; German Institute for Economic Research) (2016)**

- a. Sozio-oekonomisches Panel (SOEP, German Socio-Economic Panel Study), a longitudinal study of private households by DIW Berlin. The study started in 1984 and has enquired about smoking in approximately alternate years since 1998. The panel comprises various samples, recruited at different times; in addition to the original main sample and an East German sample added in 1990, there are refreshment samples and special subsamples such as guest worker, immigrant and high-income households. All adult household members are surveyed (from age 17 until 2006, 18 from 2008). Results are weighted to be representative of the general population. Sample sizes are around 11 000 households and 30 000 persons each year.  
 b. Regular cigarettes smokers: self-defined smoker and smoked at least 1 cigarette per day.  
 Regular smoker: self-defined smoker and smoked at least 1 cigarette, 1 cigar or 1 pipe per day. All smokers: self-defined smoker.  
 c. Sample sizes for the highest age groups may be small for East Germany, and results may be unreliable.  
 d. Assumed extensions to age distribution for percentage smokers and for cigarettes/person/day are shown in the extended versions of Tables 4 and 6 respectively in the Excel tables workbook.

*Additional information (not presented in tables)*

Anti-smoking policies and propaganda during the Nazi era have been discussed by various authors, e.g. Davey Smith *et al* (1994, 1995), Proctor (1996, 1997b), Lewy (2006), Bachinger *et al* (2008).

**Proctor (1996) quoting Kittel (1944)**

In a survey of 1 000 servicemen in 1944, 87.3% were smokers, and 0.3% smoked 30+ cigarettes per day. As 101 had started smoking and 7 given up during the war, this implies that 77.9% were smokers in 1939. 4.4% had smoked 30+ cigarettes per day in the immediate pre-war period, and by 1944 the average amount smoked had reduced by 23.4%.

**Müller (1939)**

In a study of lung cancer (years unknown), 84% of a healthy male control group were smokers (sample size 86). The average consumption of cigarette equivalents per smoker per day is estimated as 16, and the consumption per person per day as 14, where cigarette equivalents are based on 1 cigar = 5 g and 1 cigarette = 0.8 g.  
Consumption category estimation based on 1-15, 16-25, 26-35 and >35 cigarette equivalents/smoker/day.

**Lippert *et al* (1981), Scholz and Kaltenbach (2000), Fuchs *et al* (2001), Lampert and Thamm (2007)**

A number of studies have presented results for the prevalence of smoking among school students by school type. Generally these were conducted in small regions so are not included in the main tables (although sources **18-19** in Cologne are included as they were conducted particularly early). Some other examples are:

| Note | Year,<br>Product,<br>Frequency <sup>1</sup> | School type   | Age            |    |       |    |       | Age   |    |       |    |    |  |
|------|---|---------------|----------------|----|-------|----|-------|-------|----|-------|----|----|--|
|      |   |               | 12             | 13 | 14    | 15 | 16    | 12    | 13 | 14    | 15 | 16 |  |
|      |   |               | Sexes combined |    |       |    |       |       |    |       |    |    |  |
| a.   | 1979 UC *                                   | Hauptschule   |                | 23 |       | 54 |       |       |    |       |    |    |  |
|      |   | Gymnasien     |                | 0  |       | 9  |       |       |    |       |    |    |  |
| a.   | 1979 UC A                                   | Hauptschule   |                | 55 |       | 68 |       |       |    |       |    |    |  |
|      |   | Gymnasien     |                | 11 |       | 30 |       |       |    |       |    |    |  |
| b.   | 1997 U U                                    | Realschule    | 14             |    |       |    |       | 9     |    |       |    |    |  |
|      |   | Gymnasien     | 6              |    |       |    |       | 7     |    |       |    |    |  |
|      | 1999 U U                                    | Realschule    |                | 34 |       |    |       |       | 27 |       |    |    |  |
|      |   | Gymnasien     |                | 26 |       |    |       |       | 33 |       |    |    |  |
| c.   | 1999 U R                                    | Mittelschulen | 11             | 20 | 35    | 44 | 44    | 6     | 16 | 32    | 36 | 39 |  |
|      |   | Gymnasien     | 1              | 3  | 11    | 21 | 30    | 2     | 4  | 24    | 29 | 29 |  |
| d.   | 2004 U A                                    | Boys          |                |    |       |    | 14-17 | Girls |    |       |    |    |  |
|      |   | Hauptschule   |                |    | 42    |    |       | 9     |    |       |    |    |  |
|      |   | Realschule    |                |    | 31    |    |       | 7     |    |       |    |    |  |
|      |   | Gesamtschule  |                |    | 32    |    |       |       | 27 |       |    |    |  |
|      |   | Gymnasium     |                |    | 18    |    |       |       | 33 |       |    |    |  |
|      |   |               |                |    | 14-17 |    |       |       |    | 14-17 |    |    |  |
|      |   |               |                |    |       |    |       |       | 47 |       |    |    |  |
|      |   |               |                |    |       |    |       |       | 34 |       |    |    |  |
|      |   |               |                |    |       |    |       |       | 34 |       |    |    |  |
|      |   |               |                |    |       |    |       |       | 23 |       |    |    |  |

<sup>1</sup> coded as in Table 4

- a. Lippert *et al* (1981): Know Your Body study (West Germany), see source **35** above. Results by school type available only for the sexes combined, and referring to school grades 7 and 9, shown here against approximate ages. It was also reported that 32% of Hauptschule 9<sup>th</sup> grade pupils compared with 8% from Gymnasiums smoked 20+ cigarettes/week.
- b. Scholz and Kaltenbach (2000): Control arm of an intervention study (investigating use of a non-smoking curriculum) in 3 cities (Hanau, Darmstadt and Offenbach). Anonymous questionnaire on smoking, alcohol and drugs, administered to 7<sup>th</sup> grade pupils, followed up 2 years later. Follow-up rate 81%; sample size (controls only) 720. Years not stated (assumed from publication date).
- c. Fuchs *et al* (2001): Torgau Study, covering all school classes of grades 6-10 in the rural district of Torgau, Saxony. Anonymous questionnaire completed in class. Sample size 5 925, response rate 81%. Approximate ages corresponding to school grades.
- d. Lampert and Thamm (2007): KiGGS study, see source **77** above.

**Rohrmann *et al* (2003)**

A baseline study forming part of the EPIC (European Prospective Investigation into Cancer and Nutrition) project was conducted in 1994-1998 in Heidelberg (West Germany) and Potsdam (East Germany). Sample sizes 25 546 and 27 548 respectively. Participants were asked about both current smoking and smoking at various times in the past. The percentage of non-filter smokers among regular smokers was retrospectively estimated by time period as follows:

| Age*              | Males |    |    |    |    | Females |     |     |     |     |
|-------------------|-------|----|----|----|----|---------|-----|-----|-----|-----|
|                   | 20    | 30 | 40 | 50 | 60 | 20      | 30  | 40  | 50  | 60  |
| <b>Heidelberg</b> |       |    |    |    |    |         |     |     |     |     |
| 1950-59           | 31    |    |    |    |    | 9       |     |     |     |     |
| 1960-69           | 16    | 15 |    |    |    | 3       | 3   |     |     |     |
| 1970-79           | 18    | 14 | 11 |    |    | 1       | 3   | 6   |     |     |
| 1980-89           |       | 18 | 14 | 11 |    | 2       | 2   | 4   | 7   |     |
| 1990-98           |       |    | 13 | 11 | 10 |         | 1   | 1   | 3   | 2   |
| <b>Potsdam</b>    |       |    |    |    |    |         |     |     |     |     |
| 1950-59           | 71    |    |    |    |    | 47      |     |     |     |     |
| 1960-69           | 33    | 24 |    |    |    | 11      | 12  |     |     |     |
| 1970-79           | 11    | 5  | 5  |    |    | 1       | 1   | 2   |     |     |
| 1980-89           |       | 3  | 2  | 2  |    | 0.4     | 0.2 | 0.4 | 1   |     |
| 1990-98           |       |    | 2  | 1  | 1  |         | 0.0 | 0.0 | 0.3 | 0.2 |

\* Estimates were based on birth cohorts. For instance, estimates shown here as age 20 in 1950-59 actually refer to persons born 1930-39.

#### ITC Project (2010), Brown *et al* (2015)

International Tobacco Control (ITC) Policy Evaluation Project. Nationally representative telephone-based panel survey, recruited in 2007 and recontacted in 2009 and 2011. There was no replenishment of the sample to make up for loss to follow-up. Sample sizes (current smokers) were (2007) 1 515, (2009) 877, (2011) 496. The percentages of smokers (sexes combined) who smoked various products were as follows:

|   |                   | 2007 | 2009 | 2011 |
|---|-------------------|------|------|------|
| % of cigarette smokers who smoked <sup>1</sup> :              | manufactured only | 72.7 | 72.0 | 70.7 |
|   | RYO only          | 12.7 | 14.3 | 18.6 |
|   | both types        | 14.6 | 13.7 | 10.7 |
| % of smokers who smoked any product other than cigarettes:    |                   | 8    | 8    |      |
| % of smokers of any product other than cigarettes who smoked: | cigarillos        | 46   | 37   |      |
|   | cigars            | 29   | 34   |      |
|   | waterpipe         | 16   | 16   |      |
|   | pipe              | 16   | 14   |      |

<sup>1</sup> Results taken from Brown *et al* (2015). For wave 2, there are minor discrepancies with the results given by ITC Project (2010).

#### Philip Morris International (PMI) (2004)

Data made available by PMI for 1997-2003, based on the General Consumer Tracking Survey, indicate that around 2% of male regular smokers, and 5% of female regular smokers, used an ultra-low tar brand (1-3 mg/cigarette tar machine yield). See also Table xv of the *Comparisons Between Countries* Chapter.

#### Wilde *et al* (1990) quoting Barth *et al* (1987)

The prevalence of smoking in East Germany (the GDR) was given as:

| Age       | Males |       |       |       |       |       | Females |       |       |       |       |       |
|-----------|-------|-------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|
|           | 14-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 14-19   | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 |
| 1960-1974 | 37    | 55    | 54    | 50    | 48    | 34    | 5       | 23    | 20    | 20    | 18    | 8     |
| 1975-1979 | 40    | 60    | 47    | 47    | 51    | 38    | 25      | 33    | 23    | 24    | 20    | 14    |
| 1980-1984 | 40    | 62    | 51    | 37    | 39    | 29    | 25      | 37    | 21    | 14    | 15    | 10    |

No details of the original sources were given, assumed to be estimated from a variety of sources. Not included in Table 4 due to the wide range of years to which the estimates relate.

## References

- Aarø L.E., Hauknes A. and Berglund E.-L. (1981). Smoking among Norwegian schoolchildren 1975-1980. I. Extent of smoking in the age group 12-15 years, 1975. *Scand J Psychol*, **22**, 161-169.
- Adams M. and Effertz T. (2011). Tabaksteuern, Schmuggel und unversteuerte Zigaretten - Zur Glaubwürdigkeit der "Entsorgungsstudie" der Tabakindustrie (Excise taxes on tobacco and the problem of smuggling - concerning the credibility of the tobacco industry's "Discarded-Cigarette-Packages-Study"). *Gesundheitswesen*, **73**, 705-12.
- ASPECT (Analysis of the Science and Policy for European Control of Tobacco) Consortium (2004). *Tobacco or health in the European Union. Past, present and future*. European Commission. [http://ec.europa.eu/health/ph\\_determinants/life\\_style/Tobacco/Documents/tobacco\\_fr\\_en.pdf](http://ec.europa.eu/health/ph_determinants/life_style/Tobacco/Documents/tobacco_fr_en.pdf)
- Augustin R., Metz K., Heppekausen K. and Kraus L. (2005). Tabakkonsum, Abhängigkeit und Änderungsbereitschaft. Ergebnisse des Epidemiologischen Suchtsurvey 2003. (Tobacco use, dependency and readiness to change. Results of the 2003 Epidemiological Survey of Substance Abuse). *Sucht*, **51 (Sonderheft 1)**, S40-S48.
- Bach A. and Bach W. (1968). Schüler und Rauchen. (Schoolchildren and smoking). *Med Welt*, **1**, 83-90.
- Bachinger E., McKee M. and Gilmore A. (2008). Tobacco policies in Nazi Germany: not as simple as it seems. *Public Health*, **122**, 497-505.
- Baker R.R. (2002). The development and significance of standards for smoking-machine methodology. *Beitr Tabakforsch Int*, **20**, 23-41.
- Baric L. (ed.) (1980). *Europäische monographien zur forschung in gesundheitserziehung*. Volume 2. Bundeszentrale für gesundheitliche Aufklärung (BZgA), Köln.
- Barth W., Böthig S., Bährlehner A. et al. (1978). Interventionsstudie Berlin - Ergebnisse der Screening- und Behandlungsphase. In: *Epidemiologie nichtübertragbarer Krankheiten*. 51, AfAF, Berlin; 186-191. Series of the Academy for Postgraduate Education. §
- Barth W., Heinemann L. and Aßmann A. (1987). Trends of smoking habits in the GDR. Presented at *2nd WHO-Workshop "New and innovative approaches to promotion of lifestyles conductive to health with particular reference to tobacco"*, Dresden, 22 - 26 June 1987. German Hygiene Inst in the GDR, WHO Collaborating Center for Health Education. §
- Baumeister S.E., Kraus L., Stonner T.K. and Metz K. (2008). Tabakkonsum, Nikotinabhängigkeit und Trends. Ergebnisse des Epidemiologischen Suchtsurveys 2006. (Tobacco use, nicotine dependence and trends. Results of the 2006 Epidemiological Survey of Substance Abuse). *Sucht*, **54 (Sonderheft 1)**, S26-S35.
- Bayerische Staatsministerien des Innern und für Arbeit und Sozialordnung (1982). *Jugend und alkohol, drogen, medikamente, tabak. Jugend fragt jugend. (Youth and alcohol, drugs, medicines, tobacco. Youth asks youth)*. Bayerische Staatsministerien des Innern und für Arbeit und Sozialordnung, Munich. RB-Nr. 03A/82/01.
- Benad A. (1973). Empirische Materialien zur Situation der 12-bis 25 jährigen in der BRD unter besonderer Berücksichtigung ihrer Drogenaffinität. *Drogen-Report*, **2**, 2-3. §
- Blecher E., Liber A., Ross H. and Birckmayer J. (2015). Euromonitor data on the illicit trade in cigarettes [Letter]. *Tob Control*, **24**, 100-101.
- Böcken J., Braun B. and Schnee M. (eds.) (2002). *Gesundheitsmonitor 2002. Die ambulante Versorgung aus Sicht der Bevölkerung und Ärzteschaft*. Bertelsmann Stiftung, Gütersloh. §
- Bogdanovica I., Godfrey F., McNeill A. and Britton J. (2011). Smoking prevalence in the European Union: a comparison of national and transnational prevalence survey methods and results. *Tob Control*, **20**, e4.
- Borgers D. (1995). Smoking and death [Letter]. *BMJ*, **310**, 1536.
- Böthig S. (1974). Epidemiologie der Herz-Kreislauf-Krankheiten bei Männern mittleren Alters. Ergebnisse der Erstuntersuchung der Studie Berlin-Mitte [Dissertation]. Humboldt University, Berlin. §

## References (continued)

- Brown A.K., Nagelhout G.E., van den Putte B., Willemsen M.C., *et al.* (2015, Jul). Trends and socioeconomic differences in roll-your-own tobacco use: findings from the ITC Europe Surveys. *Tob Control*, **24** (Suppl 3), iii11-iii16.
- Bundesminister für Jugend, Familie und Gesundheit (1974). *Auswirkung des Zigarettenrauchens*. Bonn-Bad Godesberg. Drucksache 7/2070. §
- Bundesverband der Zigarrenindustrie (accessed Nov 2007) *Absatzentwicklung der EU-Mitgliedsstaaten (Sales development in the EU member states)*. <http://www.zigarren-verband.de/>
- Bundeszentrale für gesundheitliche Aufklärung (BZgA) (1994). *Die Drogenaffinität Jugendlicher in der Bundesrepublik Deutschland. Wiederholungsbefragung - 1993/1994 (The drug affinity of youths in the Federal Republic of Germany. Repeat survey - 1993/1994)*. BZgA, Cologne. Referat 2-25.
- Bundeszentrale für gesundheitliche Aufklärung (BZgA) (1998). *Die Drogenaffinität Jugendlicher in der Bundesrepuplik Deutschland 1997. Eine Wiederholungsbefragung der Bundeszentrale für gesundheitliche Aufklärung, Köln - Endbericht*. BZgA, Köln. <http://www.bzga.de/pdf.php?id=701f17f008706fab804284d6684f8c2b>
- Bundeszentrale für gesundheitliche Aufklärung (BZgA) (2001). *Die Drogenaffinität Jugendlicher in der Bundesrepuplik Deutschland 2001. Eine Wiederholungsbefragung der Bundeszentrale für gesundheitliche Aufklärung, Köln - Endbericht*. BZgA, Köln. <http://www.bzga.de/pdf.php?id=0213c90d8a47b66830d4c0bcc12cee00>
- Bundeszentrale für gesundheitliche Aufklärung (BZgA) (2002). *Jugendliche Raucher. Veränderungen des Rauchverhaltens und Ansätze für die Prävention*. BZgA, Köln. <http://www.bzga.de/pdf.php?id=c294b4ac2aff9c4de271456b58aad538>
- Bundeszentrale für gesundheitliche Aufklärung (BZgA) (2004). *Die Drogenaffinität Jugendlicher in der Bundesrepuplik Deutschland 2004 - Teilband Rauchen (Drug affinity among young people in the Federal Republic of Germany 2004. Smoking Report)*. BZgA, Köln. Referat 2-25. <http://www.bzga.de/pdf.php?id=edb9d5887f63c31795ea4e44755a6ead>; <http://www.bzga.de/pdf.php?id=424d5f81ec0775dc742865e9c82af569>
- Bundeszentrale für gesundheitliche Aufklärung (BZgA) (2009). *Die drogenaffinität jugendlicher in der budesrepublik Deutschland 2008*. BZgA, Köln. <http://www.bzga.de/pdf.php?id=83b1b63d587f9b03f83a7225da499c05>
- Bundeszentrale für gesundheitliche Aufklärung (BZgA) (2011). *Der Tobakkonsum Jugendlicher und junger Erwachsener in Deutschland 2010*. BZgA, Köln. <http://www.bzga.de/pdf.php?id=0919bc86b7c6f975e8cf21eee67ff527>
- Bundeszentrale für gesundheitliche Aufklärung (BZgA) (2012). *Die drogenaffinität jugendlicher in der budesrepublik Deutschland 2011. Der konsum von alkohol, tabak und illegalen drogen: aktuelle verbreitung und trends*. BZgA, Köln. <http://www.bzga.de/pdf.php?id=04214daa80cc48c7afcdb7d64baf60db>
- Bundeszentrale für gesundheitliche Aufklärung (BZgA) (2013). *Der tabakkonsum jugendlicher und junger erwachsener in Deutschland 2012. Ergebnisse einer aktuellen repräsentativbefragung und trends*. BZgA, Köln. <http://www.bzga.de/pdf.php?id=bad6515fa9137226f0f3ae093aa82990>
- Burda-Verlag (1967). *Verbraucheranalyse*. §
- Burda-Verlag (1976). Typologie der Wünsche. Bedürfnisstrukturen von Zielgruppen. §
- Calderoni F., De Simoni M., Favarin S. and Lehmann S.; Savona E.U. (series-ed.) (2013a). *Issue 5, Germany*. Transcrime, Joint Research Centre on Transnational Crime, Università Cattolica del Sacro Cuore, Università degli Studi di Trento, Trento. The factbook on the illicit trade in tobacco products. [http://publicatt.unicatt.it/bitstream/10807/50363/1/Germany%20-%20Factbook%20on%20the%20ITTP%20-%20English%20version%20\(2\).pdf](http://publicatt.unicatt.it/bitstream/10807/50363/1/Germany%20-%20Factbook%20on%20the%20ITTP%20-%20English%20version%20(2).pdf)
- Calderoni F., Favarin S., Ingrascì O. and Smit A.; Savona E.U. (series-ed.) (2013b). *Issue 1, United Kingdom*. Transcrime, Joint Research Centre on Transnational Crime, Università Cattolica del Sacro Cuore, Università degli Studi di Trento, Trento. The factbook on the illicit trade in tobacco products. [http://www.transcrime.it/wp-content/uploads/2013/10/Factbook\\_on\\_the\\_ITTP\\_1-UK1.pdf](http://www.transcrime.it/wp-content/uploads/2013/10/Factbook_on_the_ITTP_1-UK1.pdf)
- Christensen T. (2004, accessed Oct 2010). *Euro-barometer 58.2: Health and developing countries, October-December 2002 [Computer file]*. Inter-university Consortium for Political and Social Research, Ann Arbor, Michigan. <http://www.icpsr.umich.edu/icpsrweb/ICPSR/studies/3732>

- Connolly G.N. (1995). Tobacco, trade and Eastern Europe. In: Slama K. (ed.) *Tobacco and Health*. Presented at *Ninth World Conference on Tobacco and Health, Paris, Oct 10-14 1994*. Plenum Press, New York, London; 51-60.
- Coresta task force on roll-your-own (fine cut) tobacco (1999). *Report of the CORESTA task force on roll-your-own (fine cut) tobacco*. Special CORESTA Bulletin 1999-2. <http://www.coresta.org/>
- Crescenti M.G. (1998). Don Nobodies take the taste off the cigar boom. *Tob J Int*, **5**, 110-113.
- Currie C., Hurrelmann K., Settertobulte W., Smith R. and Todd J. (eds.) (2000). *Health and health behaviour among young people: Health behaviour in school-aged children: a WHO cross-national study (HBSC) international report*. World Health Organization. WHO Policy Series: Health policy for children and adolescents, issue 1. [http://www.euro.who.int/\\_data/assets/pdf\\_file/0006/119571/E67880.pdf](http://www.euro.who.int/_data/assets/pdf_file/0006/119571/E67880.pdf)
- Currie C., Nic Gabhainn S., Godeau E., Roberts C., et al. (eds.) (2008). *Inequalities in young people's health. Health behaviour in school-aged children: international report from the 2005/2006 survey*. World Health Organization. Health policy for children and adolescents, No. 5. [http://www.euro.who.int/\\_data/assets/pdf\\_file/0005/53852/E91416.pdf](http://www.euro.who.int/_data/assets/pdf_file/0005/53852/E91416.pdf)
- Currie C., Roberts C., Morgan A., Smith R., et al. (eds.) (2004). *Young people's health in context. Health behaviour in school-aged children (HBSC) study: international report from the 2001/2002 survey*. World Health Organization. Health policy for children and adolescents, No. 4. [http://www.euro.who.int/\\_data/assets/pdf\\_file/0008/110231/e82923.pdf](http://www.euro.who.int/_data/assets/pdf_file/0008/110231/e82923.pdf)
- Currie C., Zanotti C., Morgan A., Currie D., et al. (eds.) (2012). *Social determinants of health and well-being among young people. Health Behaviour in School-aged Children (HBSC) study: international report from the 2009/2010 survey*. WHO Regional Office for Europe, Copenhagen. Health Policy for Children and Adolescents No 6. [http://www.euro.who.int/\\_data/assets/pdf\\_file/0003/163857/Social-determinants-of-health-and-well-being-among-young-people.pdf](http://www.euro.who.int/_data/assets/pdf_file/0003/163857/Social-determinants-of-health-and-well-being-among-young-people.pdf); [http://www.hbsc.org/documents/HBSC\\_2009-2010\\_Survey\\_Response\\_Rates.xls](http://www.hbsc.org/documents/HBSC_2009-2010_Survey_Response_Rates.xls)
- Davey Smith G., Ströbele S. and Egger M. (1995). Smoking and death. Public health measures were taken more than 40 years ago [Letter]. *BMJ*, **310**, 396.
- Davey Smith G., Ströbele S.A. and Egger M. (1994). Smoking and health promotion in Nazi Germany. *J Epidemiol Community Health*, **48**, 220-223.
- Der Bundesminister für jugend Familie und Gesundheit (1983). *Konsum und Mißbrauch von Alkohol, illegalen Drogen, Medikamenten und Tabakwaren durch junge Menschen*. Der Bundesminister für Jugend, Familie und Gesundheit, Bonn.
- Deutscher Zigarettenverband (DZV: German Cigarette Manufacturers' Association) (accessed Sep 2016a) *Nicht Versteuerter Zigarettenabsatz (Non-taxed cigarette sales)*. [https://www.zigarettenverband.de/de/18/Themen/Zahlen\\_&\\_Fakten/Nicht\\_Versteuerter\\_Zigarettenabsatz](https://www.zigarettenverband.de/de/18/Themen/Zahlen_&_Fakten/Nicht_Versteuerter_Zigarettenabsatz)
- Deutscher Zigarettenverband (DZV: German Cigarette Manufacturers' Association) (accessed Sep 2016b) *Teer-, Nikotin- und Kohlenmonoxidgehalt im Zigarettenrauch (Tar, nicotine and carbon monoxide in cigarette smoke)*. <https://www.zigarettenverband.de/de/261/THEMEN/Rauchbestandteile>
- Deutsches Institut für Wirtschaftsforschung (DIW Berlin; German Institute for Economic Research) (2016, Mar). *German Socio-Economic Panel (SOEP), data of the years 1984-2014*. [http://www.diw.de/en/diw\\_01.c.529324.en/soep\\_v31\\_1.html](http://www.diw.de/en/diw_01.c.529324.en/soep_v31_1.html) DOI: 10.5684/soep.v31.1
- Donat P. (1989). Schwerpunkte der Verbrauchsentwicklung bei Tabakwaren und alkoholischen Getränken (Important aspects in the development of the consumption of tobacco products and alcoholic beverages). *Z Arztl Fortbild (Jena)*, **83**, 1071-1075.
- Dow Jones International News (2005, Nov 17). German tobacco companies to stop making singles March 31.
- Dymond H.F. (1996). Making habits of roll-your-own smokers in the Netherlands and tar and nicotine yields from the resultant products. *Tob Sci*, **40**, 87-91.
- Dymond H.F. (1999). Physical dimensions and tar and nicotine yields of fine-cut smoking articles rolled by German consumers. *Beitr Tabakforsch Int*, **18**, 165-174.

## References (continued)

- Eckstein M. (1986). Das bevölkerungswirksame Programm zur Bekämpfung von Herz-Kreislauf-Krankheiten und anderen chronischen Krankheiten in Schleiz [Dissertation]. Academy for Postgraduate Education, Berlin. §
- Eckstein M., Hellmund W., Winkler M., Heinemann L. and Heine H. (1983). 5-year follow up of the Schleiz project. In: *Hypertension*. Ministry of Public Health and Family, Brussels; 41-56. §
- Ellert U., Wirz J. and Ziese T. (2006). *Beiträge zur Gesundheitsberichterstattung des Bundes. Telefonischer Gesundheitssurvey des Robert Koch-Instituts (2. Welle). Deskriptiver Ergebnisbericht*. Robert Koch-Institut, Berlin.  
<http://www.rki.de/DE/Content/Gesundheitsmonitoring/Gesundheitsberichterstattung/GBEDownload/gstel04.pdf?blob=publicationFile>
- Erben R. (1980). Adult smoking - patterns and trends. In: Ramström L.M. (ed.) *The smoking epidemic, a matter of worldwide concern*. Presented at *Fourth world conference on smoking and health, Stockholm, 1979*. Almqvist & Wiskell International, Stockholm; 63-68.
- ERC Group PLC (1999). *World cigarette market - the 1999 survey*, Vols I, II, III, and IV. ERC, Suffolk, UK. §
- ERC Group PLC (2001). *World cigarettes 1 and 2 - the 2001 survey*. ERC, Suffolk, UK. §
- ERC Statistics International (1988). *Survey*. ERC, Suffolk, UK. §
- Euromonitor International (2012a). *Global Tobacco Findings 2012: Tobacco in a New Era [summary]*.  
<http://www.euromonitor.com/global-tobacco-findings-2012-tobacco-in-a-new-era/report>
- Euromonitor International (2012b). *Tobacco dataset*. §
- Euromonitor International (2013). *Tobacco dataset*. §
- Euromonitor International (accessed Apr 2016a) *Market research on cigars [summary]*.  
<http://www.euromonitor.com/cigars>
- Euromonitor International (accessed Aug 2016b) *Market research on cigars [summary]*.  
<http://www.euromonitor.com/cigars>
- Euromonitor International (accessed Apr 2016c) *Market research on smokeless tobacco [summary]*.  
<http://www.euromonitor.com/smokeless-tobacco>
- European Commission (2012). *Attitudes of Europeans towards tobacco. Special Eurobarometer 385/Wave EB 77.1*. European Commission.  
[http://ec.europa.eu/public\\_opinion/archives/ebs/ebs\\_385\\_en.pdf](http://ec.europa.eu/public_opinion/archives/ebs/ebs_385_en.pdf)
- European Commission: TNS Social and Opinion (2014, accessed Feb 2015). *Euro-barometer 77.1: Robotics, Civil Protection, Humanitarian Aid, Smoking Habits, and Multilingualism, Feb-Mar 2012 [Computer file]*, ZA5597 Data file Version 3.0.0. GESIS Data Archive, Cologne.  
<http://zacad.gesis.org/webview/index.jsp> DOI: 10.4232/1.12014
- Eurostat (accessed May 2013) *European Health Interview survey (EHIS), collection round 2008, determinants of health*. <http://ec.europa.eu/eurostat> [Statistics: Browse/Search database: Population and social conditions: Health: Public health]
- Fuchs R., Zirm E. and Uischner C. (2001). Rauchverhalten und Alkoholkonsum bei Schülern im ländlichen Raum Ostdeutschlands. (Smoking behaviour and alcohol consumption in students in rural eastern Germany: results of a total survey). *Gesundheitswesen*, **63**, 354-362.
- Gallup Organisation Hungary (2009). *Survey on tobacco. Analytical report. Flash Eurobarometer 253*. European Commission. [http://ec.europa.eu/public\\_opinion/flash/fl\\_253\\_en.pdf](http://ec.europa.eu/public_opinion/flash/fl_253_en.pdf)
- Geizerova H. and Masironi R. (1988). Cigarette smoking in children and adolescents: world review. In: Aoki M., Hisamichi S. and Tominaga S. (eds.) *Smoking and health 1987*. Presented at *6th World Conference on Smoking and Health, Tokyo, 9-12 November 1987*. Elsevier Science Publishers B.V. (Biomedical Division), Amsterdam; 601-605. International Congress Series No. 780.
- German News Digest (2008, Apr 11). Cigarette sales seen down 3-5 pt on smoking ban in Germany.
- German News Digest (2009, Jan 19). Tobacco sales in Germany fall 2.8% y/y in 2008.
- Gilmore A.B., Rowell A., Gallus S., Lugo A., Joossens L. and Sims M. (2014). Towards a greater understanding of the illicit tobacco trade in Europe: a review of the PMI funded 'Project Star' report. *Tob Control*, **23**, e51-e61.

## References (continued)

- Giovino G.A., Sidney S., Gfroerer J.C., O'Malley P.M., et al. (2004). Epidemiology of menthol cigarette use. *Nicotine Tob Res*, **6** (Suppl 1), S67-S81.
- Gößwald A., Lange M., Kamtsiuris P. and Kurth B.M. (2012). DEGS: Studie zur Gesundheit Erwachsener in Deutschland. Bundesweite Quer- und Längsschnittstudie im Rahmen des Gesundheitsmonitorings des Robert Koch-Instituts (DEGS: German Health Interview and Examination Survey for Adults. A nationwide cross-sectional and longitudinal study within the framework of health monitoring conducted by the Robert Koch Institute). *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz*, **55**, 775-780.
- Gräfner L. (1979). Die Häufigkeit von Herz-Kreislauf-Krankheiten bzw. Krankheitsmerkmalen bei 30-59jährigen Schwedter Frauen [Dissertation]. Medical Academy, Erfurt. §
- Harkin A.M., Anderson P. and Goos C. (1997). *Smoking, drinking and drug taking in the European Region*. Alcohol, Drugs and Tobacco Programme, WHO Regional Office for Europe, Copenhagen.
- Harreis G., Schultze C. and Schmidt F. (1980). Das Rauchen von Schülern verlagert sich auf immer jüngere Jahrgänge. (Smoking by pupils shifts to younger and younger generations). *Offentl Gesundheitswes*, **42**, 771-778.
- Hartung A. and Hartung G. (1984). Hypertonescreening in Verbindung mit gynäkologischen Vorsorgeuntersuchungen in einer Industriegroßstadt [Thesis]. Academy for Postgraduate Education, Berlin. §
- Heinemann L. (ed.) (1988). *"Mini-DDR-Datenbuch" zu Stand und Trends ausgewählter chronischer Erkrankungen und assoziierter Einflussfaktoren aus Umwelt und Lebensweise. Ansatz einer Gesundheitsberichterstattung*. Academy of Sciences, Berlin. §
- Heinemann L., Barth W. and Hoffmeister H. (1995). Trend of cardiovascular risk factors in the East German population 1968-1992. *J Clin Epidemiol*, **48**, 787-795.
- Heinemann L., Heine H., Assmann A., Schädlich H., et al. (1988). Risk factors in the population of the GDR-MONICA study (1983/84). *Acta Med Scand*, **728**(Suppl), 144-149.
- Heinemann L., Heine H., Hellmund W. and Eckstein M. (1984). Probleme der Durchsetzung gesunder Lebensweise in bevölkerungswirksamen Programmen. *Dtsch Gesundheitsw*, **39**, 209-212. §
- Helmert U. and Buitkamp M. (2004). Die Veränderung des Rauchverhaltens in Deutschland von 1985 bis 2002. (Changes in smoking habits in Germany between 1985 and 2002). *Gesundheitswesen*, **66**, 102-106.
- Herrmann H. and Liehs F. (1977). Die Rauchgewohnheiten und ihr Einfluss auf die Entwicklung chronisch broncho-pulmonaler Erkrankungen - Ergebnisse der epidemiologischen Bronchitisforschung in der DDR. (Smoking habits and their influence on development of chronic bronchopulmonary diseases). *Z Erkr Atmungsorgane*, **148**, 5-24.
- Hibell B., Andersson B., Bjarnason T., Ahlström S., et al. (2004). *The ESPAD report 2003. Alcohol and other drug use among students in 35 European countries*. The Swedish Council for Information on Alcohol and Other Drugs (CAN) and Council of Europe, Co-operation Group to Combat Drug Abuse and Illicit Trafficking in Drugs (Pompidou Group), Stockholm. Sweden.  
<http://www.vub.ac.be/downloads/bijlagen/espad.pdf>
- Hibell B., Guttormsson U., Ahlström S., Balakireva O., et al. (2009). *The 2007 ESPAD report. Substance use among students in 35 European countries*. The Swedish Council for Information on Alcohol and Other Drugs (CAN), European Monitoring Centre for Drugs and Drug Addiction (EMCDDA) and Council of Europe, Co-operation Group to Combat Drug Abuse and Illicit Trafficking in Drugs (Pompidou Group), Stockholm.  
[http://www.espad.org/Uploads/ESPAD\\_reports/2007/The\\_2007\\_ESPAD\\_Report-FULL\\_091006.pdf](http://www.espad.org/Uploads/ESPAD_reports/2007/The_2007_ESPAD_Report-FULL_091006.pdf)
- Hibell B., Guttormsson U., Ahlström S., Balakireva O., et al. (2012). *The 2011 ESPAD report. Substance use among students in 36 European countries*. The Swedish Council for Information on Alcohol and Other Drugs (CAN), European Monitoring Centre for Drugs and Drug Addiction (EMCDDA) and Council of Europe, Co-operation Group to Combat Drug Abuse and Illicit Trafficking in Drugs (Pompidou Group), Stockholm.  
[http://www.espad.org/Uploads/ESPAD\\_reports/2011/The\\_2011\\_ESPAD\\_Report\\_FULL\\_2012\\_10\\_29.pdf](http://www.espad.org/Uploads/ESPAD_reports/2011/The_2011_ESPAD_Report_FULL_2012_10_29.pdf)

## References (continued)

- HIES-Team (1992). *Representative health interview and examination survey: Berlin: New Federal States of Germany, Field report*. §
- Hoffmeister H., Mensink G.B.M. and Stolzenberg H. (1994). National trends in risk factors for cardiovascular disease in Germany. *Prev Med*, **23**, 197-205.
- Hutson J.B. (1937). *Consumption and production of tobacco in Europe*. USDA, Washington DC. Technical bulletin No. 587.
- Hüttner H., Kopske C., Schmidt B. and Wiesner G. (1972a). Rauchgewohnheiten in Berlin (Hauptstadt der DDR). 1 (Smoking habits in Berlin (Capital of the GDR). 1). *Dtsch Gesundheitsw*, **27**, 1999-2003.
- Hüttner H., Kopske C., Schmidt B. and Wiesner G. (1972b). Rauchgewohnheiten in Berlin (Hauptstadt der DDR). 2 (Smoking habits in Berlin (capital of GDR). 2). *Dtsch Gesundheitsw*, **27**, 2094-2098.
- Inchley J., Currie A.R., Young T., Samdal O., et al. (eds.) (2016). *Growing up unequal: gender and socioeconomic differences in young people's health and well-being. Health Behaviour in School-aged Children (HBSC) study: international report from the 2013/2014 survey*. WHO Regional Office for Europe, Copenhagen. Health Policy for Children and Adolescents No 7.  
[http://www.euro.who.int/\\_data/assets/pdf\\_file/0003/303438/HSBC-No7-Growing-up-unequal-full-report.pdf?ua=1](http://www.euro.who.int/_data/assets/pdf_file/0003/303438/HSBC-No7-Growing-up-unequal-full-report.pdf?ua=1)
- Institut für Demoskopie Allensbach (IFD) (1965). *Märkte und Werbeträger 1965*. Allensbach. §
- Institut für Demoskopie Allensbach (IFD) (1973-1979). *Allensbacher Werbträgeranalyse*. §
- Institut für Demoskopie Allensbach (IFD) (1978). *Die Gefahr des Alkoholismus. Haben sich Einstellung und Verhalten der Bevölkerung zum Alkohol von 1973 bis 1978 gewandelt?* Allensbach. Unpublished. §
- Institut für Markt- und Werbeforschung (IMW) (1981). *Effizienzkontrolle 1980 der Bundeszentrale für gesundheitliche Aufklärung, Köln*. IMW, Köln.
- Institut für Markt- und Werbeforschung (IMW) (1984). *Effizienzkontrolle 1984 der Bundeszentrale für gesundheitliche Aufklärung, Köln*. §
- International Agency for Research on Cancer (1986). *Tobacco smoking*. IARC, Lyon, France. IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans, 38.  
<http://monographs.iarc.fr/ENG/Monographs/vol1-42/mono38.pdf>
- ITC Project (2010, Jan). *ITC Germany National Report*. University of Waterloo, DKFZ (German Cancer Reserach Center), Waterloo, Ontario and Heidelberg, Germany.  
<http://www.itcproject.org/resources/view/84>
- Joossens L., Naett C., Howie C. and Muldoon A. (1994, September). *Tobacco and health in the European Union. An overview*. European Bureau for Action on Smoking Prevention (BASP), Brussels.
- Joossens L. and Raw M. (1998). Cigarette smuggling in Europe: who really benefits? *Tob Control*, **7**, 66-71.
- Junge B. and Nagel M. (1999). Das Rauchverhalten in Deutschland (Smoking behavior in Germany). *Gesundheitswesen*, **61**, S121-S125.
- Junge B., Tiefeldorf M. and Arab-Kohlmeier L. (1989). Tabakkonsum in der Bundesrepublik Deutschland. Strukturveränderungen in drei Jahrzehnten. *Pravention*, **2**, 35-40.
- Keyl K. (1979). Rauchgewohnheiten bei Schülern eines Landkreises. (Smoking habits by pupils in a district of village schools). *Z Erkr Atmungsorgane*, **153**, 209-217.
- King A., Wold B., Tudor-Smith C. and Harel Y. (1996). *The health of youth, a cross-national survey*. WHO Regional Publications, Europe, Copenhagen. European Series No. 69.  
<http://www.hbsc.org/publications/international/>
- Kittel W. (1944). Hygiene des Rauchens. In: Handloser S. and Hoffmann W. (eds.) *Wehrhygiene*. Springer-Verlag, Berlin. §
- Klus H. (1986). Low-tar cigarettes - possibilities and limitations. In: Zaridze D.G. and Peto R. (eds.) *Tobacco: A major international health hazard*. Presented at International meeting organized by the IARC and co-sponsored by the All-Union Cancer Research Centre of the Academy of Medical Sciences of the USSR, Moscow, 4-6 June 1985. International Agency for Research on Cancer, Lyon; 265-281. IARC Scientific Publications No. 74.

- Kneist W. (1981). Rauchen oder Gesundheit. Ein kulturhistorischer Rückblick (Smoking or health. A retrospective view of cultural history). *Z Gesamte Hyg*, **27**, 477-480.
- Koschorreck B., Knopp G. and Blohmke M. (1973). Rauchgewohnheiten bei männlichen Haupt-, Real- und Oberschülern (Smoking habits among male secondary-school students). *Offentl Gesundheitswes*, **35**, 1-7.
- KPMG (2011). *Project star 2010 results*. KPMG LLP.  
[http://www.pmi.com/eng/tobacco\\_regulation/illicit\\_trade/documents/Project\\_Star\\_2010\\_Results.pdf](http://www.pmi.com/eng/tobacco_regulation/illicit_trade/documents/Project_Star_2010_Results.pdf)
- KPMG (2012). *Project star 2011 results*. KPMG LLP.  
[http://www.pmi.com/eng/tobacco\\_regulation/illicit\\_trade/documents/project%20star%202011%20results.pdf](http://www.pmi.com/eng/tobacco_regulation/illicit_trade/documents/project%20star%202011%20results.pdf)
- KPMG (2013). *Project star 2012 results*. KPMG LLP.  
[http://www.pmi.com/eng/media\\_center/media\\_kit/Documents/Project\\_Star\\_2012\\_Final\\_Report.pdf](http://www.pmi.com/eng/media_center/media_kit/Documents/Project_Star_2012_Final_Report.pdf)
- KPMG (2014). *Project sun. A study of the illicit cigarette market in the European Union. 2013 results*. KPMG LLP.  
[http://www.pmi.com/eng/media\\_center/media\\_kit/Documents/SUN%20Report%202013.pdf](http://www.pmi.com/eng/media_center/media_kit/Documents/SUN%20Report%202013.pdf)
- KPMG (2015). *Project sun. A study of the illicit cigarette market in the European Union, Norway and Switzerland. 2014 results*. KPMG LLP.  
[http://kpmg.co.uk/creatographics/2015/06\\_2015/CRT026736/files/assets/common/downloads/RT026736%20Project%20SUN%20COMBINED%20v10.pdf](http://kpmg.co.uk/creatographics/2015/06_2015/CRT026736/files/assets/common/downloads/RT026736%20Project%20SUN%20COMBINED%20v10.pdf)
- KPMG (2016). *Project sun. A study of the illicit cigarette market in the European Union, Norway and Switzerland. 2015 results*. KPMG LLP, UK.  
<https://assets.kpmg.com/content/dam/kpmg/pdf/2016/06/project-sun-report.pdf>
- Kraus L. and Bauernfeind R. (1998). Repräsentativerhebung zum Gebrauch psychoaktiver Substanzen bei Erwachsenen in Deutschland 1997. (Population Survey on the Consumption of Psychoactive Substances in the German Adult Population 1997). *Sucht*, **44**, Suppl 1.
- Kraus L., Pabst A., Gomes de Matos E. and Piontek D. (2013). *Kurzbericht Epidemiologischer Suchtsurvey 2012. Tabellenband: Prävalenz des Tabakkonsums und der Nikotinabhängigkeit nach Geschlecht und Alter im Jahr 2012*. IFT Institut für Therapieforschung, Munich. [http://esa-survey.de/fileadmin/user\\_upload/Literatur/Berichte/ESA\\_2012\\_Tabak-Kurzbericht.pdf](http://esa-survey.de/fileadmin/user_upload/Literatur/Berichte/ESA_2012_Tabak-Kurzbericht.pdf)
- Kraus L., Pabst A. and Piontek D. (2011). *Europäische Schülerstudie zu Alkohol und anderen Drogen 2011 (ESPAD) Befragung von Schülerinnen und Schülern der 9. und 10. Klasse in Bayern, Berlin, Brandenburg, Mecklenburg-Vorpommern (The 2011 European School Survey Project on Alcohol and other Drugs (ESPAD) Survey among pupils in grade 9 and 10 in Bavaria, Berlin, Brandenburg, Mecklenburg-Western Pomerania and Thuringia)*. IFT Institut für Therapieforschung, München. 181. [http://drogenbeauftragte.de/fileadmin/dateien-dba/DrogenundSucht/Suchtstoffuebergreifende\\_Themen/Downloads/abschlussbericht\\_2011bd\\_181\\_espad\\_111221\\_subm\\_i.pdf](http://drogenbeauftragte.de/fileadmin/dateien-dba/DrogenundSucht/Suchtstoffuebergreifende_Themen/Downloads/abschlussbericht_2011bd_181_espad_111221_subm_i.pdf)
- Kraus L., Pabst A., Piontek D. and Müller S. (2010a). *Kurzbericht Epidemiologischer Suchtsurvey 2009. Tabellenband: Prävalenz von Tabakkonsum, Nikotinab-hängigkeit und Passivrauchen nach Geschlecht und Alter im Jahr 2009*. IFT Institut für Therapieforschung, Munich. [http://esa-survey.de/fileadmin/user\\_upload/Literatur/Berichte/ESA\\_2009\\_Tabak-Kurzbericht.pdf](http://esa-survey.de/fileadmin/user_upload/Literatur/Berichte/ESA_2009_Tabak-Kurzbericht.pdf)
- Kraus L., Pabst A., Piontek D. and Müller S. (2010b). Trends des Substanzkonsums und substanzbezogener Störungen. Ergebnisse des Epidemiologischen Suchtsurveys 1995-2009 (Trends of substance use and substance use disorders. Results of the 2009 Epidemiological Survey of Substance Abuse 1995-2009). *Sucht*, **56**, 337-347.
- Krecklow B. (1987). Rauchgewohnheiten von Kindern und Jugendlichen (Smoking habits of children and adolescents). *Z Arztl Fortbild (Jena)*, **81**, 957-960.
- Kuntz B., Hoebel J. and Lampert T. (2014). Bildungsunterschiede im Tabakkonsum und Rauchausstieg junger Erwachsener. Ergebnisse der Studie "Gesundheit in Deutschland aktuell" (GEDA) 2009 und 2010 (Educational differences in smoking and smoking cessation among young adults. Results from the "German Health Update" (GEDA) Study 2009 and 2010). *Gesundheitswesen*, **76**, 647-654.

## References (continued)

- Kuntz B. and Lampert T. (2016, Jan 22). Smoking and Passive Smoke Exposure Among Adolescents in Germany. *Dtsch Arztebl Int*, **113**, 23-30.
- Kuntz B., Lampert T. and KiGGS Study Group (2015, Apr). Wasserpfeifenkonsum (Shisha-Rauchen) bei Jugendlichen in Deutschland : Ergebnisse der KiGGS-Studie - Erste Folgebefragung (KiGGS Welle 1) [Waterpipe (shisha) smoking among adolescents in Germany: Results of the KiGGS study: first follow-up (KiGGS Wave 1)]. *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz*, **58**, 467-73.
- Kuulasmaa K., Tolonen H., Ferrario M. and Ruokokoski E. (1998). *Age, date of examination and survey periods in the MONICA surveys*. World Health Organization.  
<http://www.thl.fi/publications/monica/age/ageqa.htm>
- Laaser U., Roegele F., Meurer K.A. and Kaufmann W. (1977). Die Verbreitung des Nikotinabusus bei Schülern; ein Teilergebnis der Kölner Studie zum kardiovaskulären Risikoprofil bei Jugendlichen (The spread of nicotine abuse in students; a partial account of the study in Cologne on the risk profile in adolescents). *Verh Dtsch Ges Inn Med*, **83**, 1727-1729.
- Lampert T. (2011). *Smoking*. Robert Koch Institute, Berlin. GBE Kompakt 2(4).  
[http://www.rki.de/EN/Content/Health\\_Monitoring/Health\\_Report/GBEDownloadsK/4\\_2011\\_smoking.html](http://www.rki.de/EN/Content/Health_Monitoring/Health_Report/GBEDownloadsK/4_2011_smoking.html)
- Lampert T. and Burger M. (2004). Rauchgewohnheiten in Deutschland - Ergebnisse des telefonischen Bundes-Gesundheitssurveys 2003 (Smoking habits in Germany - Results of the German National Telephone Health Survey 2003). *Gesundheitswesen*, **66**, 511-517.
- Lampert T. and Burger M. (2005). Verbreitung und Strukturen des Tabakkonsums in Deutschland (Distribution and patterns of tobacco consumption in Germany). *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz*, **48**, 1231-1241.
- Lampert T. and Kuntz B. (2014). Tabak- und Alkoholkonsum bei 11- bis 17-jährigen Jugendlichen : Ergebnisse der KiGGS-Studie - Erste Folgebefragung (KiGGS Welle 1) (Tobacco and alcohol consumption among 11- to 17-year-old adolescents: results of the KiGGS study: first follow-up (KiGGS Wave 1)). *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz*, **57**, 830-839.
- Lampert T. and Thamm M. (2007). Tabak-, Alkohol- und Drogenkonsum von Jugendlichen in Deutschland. Ergebnisse des Kinder- und Jugendgesundheitssurveys (KiGGS) (Consumption of tobacco, alcohol and drugs among adolescents in Germany. Results of the German Health Interview and Examination Survey for Children and Adolescents (KiGGS)). *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz*, **50**, 600-608.
- Lampert T., von der Lippe E. and Müters S. (2013). Prevalence of smoking in the adult population of Germany: results of the German Health Interview and Examination Survey for Adults (DEGS1). *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz*, **56**, 802-808.
- Lange C., Jentsch F., Allen J., Hoebel J., et al. (2015). Data Resource Profile: German Health Update (GEDA) - the health interview survey for adults in Germany. *Int J Epidemiol*, **44**, 442-450.
- Le Meitour-Kaplan A. (1977). Situational Analysis: Profile of women's smoking habits in Continental Western Europe. In: Steinfeld J., Griffiths W., Ball K. and Taylor R.M. (eds.) *Health consequences, education, cessation activities, and social action*. Presented at *Proceedings of the Third World Conference on Smoking and Health, New York City, June 2-5, 1975*. US Department of Health, Education and Welfare, USA; 309-327. DHEW Publication No (NIH) 77-1413.
- Lee P.N. (ed.) (1975). *Tobacco consumption in various countries*, 4th edition. Tobacco Research Council, London. Research Paper 6.
- Lerner W. (Statistisches Bundesamt) Re: *Tobacco statistics* [Personal communication to Hamling J.] 3 December, 1998.
- Letzel H.W. and Johnston L.C. (1984). The extent of passive smoking in the Federal Republic of Germany. *Prev Med*, **13**, 717-729.
- Lewy J. (2006). A sober Reich? Alcohol and tobacco use in Nazi Germany. *Subst Use Misuse*, **41**, 1179-1195.
- Lippert P., Hoffmeister H., Thefeld W., Lopez H. and Eichberg J. (1981, Mar). Cardiovascular and pulmonary risk factors in Berlin (West) schoolchildren: findings of an exploratory study. *Prev Med*, **10**, 159-72.

- Lippert P.H., Hoffmeister H., Lopez H. and Wünschmann E. (1980). Anmerkungen zu Interventionsprojekten im Jugendalter: das Beispiel Zigarettenrauchen (Problems of intervention projects involving adolescents: cigarette smoking as an example). *Bundesgesundhbl*, **23**, 110-114.
- Luban-Plozza B. and Knaak-Sommer L. (1972). *Psychologie des Hasch- und Tabakrauchens*. München. §
- Magdowski E. and Maahs H. (1983). Rauchgewohnheiten von Schülern der 9. bis 12. Klassen eines Landkreises (Smoking habits of pupils of the 9th to 12th classes of an urban district). *Z Erkr Atmungsorgane*, **160**, 48-56.
- Malhotra M. (1977). Tabak bei Schülern. *Suchtgefahren*, **23**, 49-68. §
- Malhotra M.K. (1978). Tabakabusus bei Jugendlichen (Tobacco abuse in adolescents). *Fortschr Med*, **96**, 32-34.
- Maron J., Hunger M., Kirchberger I., Peters A. and Mielck A. (2014). Nimmt die gesundheitliche Ungleichheit zu? : Trends beim subjektiven Gesundheitszustand, beim Rauchen und bei Adipositas zwischen 1984/85 und 1999/2000 bei Erwachsenen in Augsburg (Widening health inequalities? Time trends concerning self-rated health, smoking and obesity between 1984/1985 and 1999/2000 among adults in Augsburg). *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz*, **57**, 431-444.
- Maxwell J.C., Jr. (successive years). How the brands ranked. Maxwell International Estimates. *World Tob*,
- Maziak W., Rzehak P., Keil U. and Weiland S.K. (2003). Smoking among adolescents in Muenster, Germany: increase in prevalence (1995-2000) and relation to tobacco advertising. *Prev Med*, **36**, 172-176.
- Melich A. (2006). *Euro-barometer 52.1: Modern biotechnology, quality of life, and consumers' access to justice, November-December 1999 [Computer file]*. Zentralarchiv für Empirische Sozialforschung, Cologne, and Inter-university Consortium for Political and Social Research, Ann Arbor, Michigan. <http://www.icpsr.umich.edu/icpsrweb/ICPSR/studies/2893>
- Merzdorf J., Reuter U. and Welsch G. (1982). *Daten und Fakten zur Entwicklung des Rauchens in Mitgliedsländern der Europäischen Gemeinschaften (Facts and figures on the development of smoking in the member states of the European Communities)*. Kommission der Europäischen Gemeinschaften, Luxemburg. Medizin - EUR 7907 DE.
- Mohl H. (1979). Raucher-Report '79. Zahlen, Erfahrungen, Meinungen zum Weltgesundheitstag 1980. (Smokers' Report '79. Figures, experiences, opinions on World Health Day 1980). *Dtsch Arztebl*, **37**, 2348-2352.
- Molarius A., Kuulasmaa K., Evans A., McCrum E. and Tolonen H. (1999). *Quality assessment of data on smoking behaviour in the WHO MONICA project*. World Health Organization. <http://www.thl.fi/publications/monica/smoking/qa30.htm>
- MONICA East Germany Team (1993). *Das MONICA-Datenbuch Ostdeutschlands. Trends von 1984-1989*. Center for Epidemiology and Health Research, Berlin. §
- Müller F.H. (1939). Tabakmißbrauch und Lungencarcinom. *Z Krebsforsch*, **49**, 57-85.
- Organisation for Economic Co-operation and Development (accessed Feb 2006, last updated Oct 2005) *OECD health data 2005*. <http://www.oecd.org/health/health-systems/oecdhealthdata.htm>
- Organisation for Economic Co-operation and Development (accessed Aug 2014, last updated Jun 2014) *OECD health statistics 2014; definitions, sources and methods; tobacco consumption in grams per capita (age 15+)*. <http://stats.oecd.org/fileview2.aspx?IDFile=8e59b835-8196-426e-9297-15bc1dab652c>
- Orth B. and Töppich J. (2010). Veränderungen von Wissen, Einstellungen und Rauchverhalten bei Jugendlichen in Deutschland. Ergebnisse wiederholter Repräsentativbefragungen der Bundeszentrale für gesundheitliche Aufklärung (Changes in knowledge, attitudes, and smoking behavior among young people in Germany. Results of repeated, representative surveys by the BZgA). *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz*, **53**, 133-143.
- Orth B. and Töppich J. (2015). *Rauchen bei Jugendlichen und jungen Erwachsenen in Deutschland 2014. Ergebnisse einer aktuellen Repräsentativbefragung und Trends*. Bundeszentrale für gesundheitliche Aufklärung, Köln.

## References (continued)

- <http://www.bzga.de/pdf.php?id=d0567147fc3720bd0318b0792a9b45c5>;  
<http://www.bzga.de/forschung/studien-untersuchungen/studien/suchtpraevention/?sub=90>
- Oxford Economics (2012). *The influence of the availability of menthol cigarettes on youth smoking prevalence*. Oxford Economics, Oxford.  
[http://www.pmi.com/eng/media\\_center/Documents/OE\\_2012\\_Menthol\\_and\\_youth\\_smoking\\_M.pdf](http://www.pmi.com/eng/media_center/Documents/OE_2012_Menthol_and_youth_smoking_M.pdf)
- Pabst A., Kraus L., Gomes de Matos E. and Piontek D. (2013). Substanzkonsum und substanzbezogene Störungen in Deutschland im Jahr 2012 (Substance use and substance use disorders in Germany in 2012). *Sucht*, **59**, 321-331.
- Pabst A., Piontek D., Kraus L. and Müller S. (2010). Substanzkonsum und substanzbezogene Störungen. Ergebnisse des Epidemiologischen Suchtsurveys 2009 (Substance use and substance use disorders. Results of the 2009 Epidemiological Survey of Substance Abuse). *Sucht*, **56**, 327-336.
- Papacostas A. (2008, accessed Apr 2008). *Euro-barometer 64.1: Mobility, food risk, smoking, AIDS prevention, and medical errors, September-October 2005 [Computer file]*, 1st GESIS-ZA edition as of March 12, 2008. Zentralarchiv für Empirische Sozialforschung an der Universität zu Köln (ZA). ZA4413. <http://zacat.gesis.org/webview/index.jsp>
- Papacostas A. (2009, accessed Nov 2010). *Eurobarometer 66.2: Nuclear Energy and Safety, and Public Health Issues, October-November 2006 [Computer file]*, GESIS 1.0.0 (2009-05-27). Zentralarchiv für Empirische Sozialforschung an der Universität zu Köln (ZA). ZA4527. <http://zacat.gesis.org/webview/index.jsp>
- Papacostas A. (2012, accessed Dec 2012). *Eurobarometer 72.3: Public health attitudes, behavior, and prevention, October 2009 [Computer file]*, GESIS Version 2.0.0 (2012-02-03). Zentralarchiv für Empirische Sozialforschung an der Universität zu Köln (ZA), Cologne. ZA4977. <http://zacat.gesis.org/webview/index.jsp>; [http://ec.europa.eu/public\\_opinion/archives/ebs/ebs\\_332\\_en.pdf](http://ec.europa.eu/public_opinion/archives/ebs/ebs_332_en.pdf)
- Philip Morris International PMI estimates based on AC Nielsen and in-market sales data. [Personal communication to Lee P.N.] 2004.
- Piorkowski P. and Piorkowski S. (1983). Rauchen in den Schulen des Kreises Cottbus-Land. *Dtsch Gesundheitsw*, **7**, 267-269.
- Plamper E., Klever Deichert G. and Lauterbach K.W. (2006). Auswirkungen der Tabaksteuererhöhungen in Deutschland auf den Tabakkonsum und Konsequenzen für die Gesundheitspolitik (Effects of tobacco tax increase on cigarette consumption and the impact on health policy). *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz*, **49**, 660-664.
- Pötschke-Langer M., Kahnert S., Schaller K., Viarisio V., et al. (2015). *Tabakatlas Deutschland 2015*. Deutsches Krebsforschungszentrum, Pabst Science, Heidelberg. [https://www.dkfz.de/de/tabakkontrolle/download/Publikationen/sonstVeroeffentlichungen/Tabak\\_atlas-2015-final-web-dp-small.pdf](https://www.dkfz.de/de/tabakkontrolle/download/Publikationen/sonstVeroeffentlichungen/Tabak_atlas-2015-final-web-dp-small.pdf)
- Preuss K. (1991). Rauchgewohnheiten bei Schülern der 5. bis 10. Klassen in Stendal (Smoking habits in students of the 5th to 10th grades in Stendal). *Z Arztl Fortbild (Jena)*, **85**, 217-220.
- Proctor N.R. (1996). The anti-tobacco campaign of the Nazis: a little known aspect of public health in Germany, 1933-45. *BMJ*, **313**, 1450-1453.
- Proctor R.N. (1997a). Cigarette smoking and health promotion in Nazi Germany [Letter]. *J Epidemiol Community Health*, **51**, 208-209.
- Proctor R.N. (1997b). The Nazi war on tobacco: ideology, evidence and possible cancer consequences. *Bull Hist Med*, **71**, 435-488.
- Rabier J.-R., Riffault H. and Inglehart R. (1989). *Euro-barometer 27: The common agricultural policy and cancer, March-May 1987 [Computer file]*. Inter-university Consortium for Political and Social Research, Ann Arbor, Michigan. <http://www.icpsr.umich.edu/icpsrweb/ICPSR/studies/08715>
- Readers Digest (1963). *Products and people. A digest of the marketing survey of the European Common Market and Britain, 1963*. Reader's Digest Association Limited, London.
- Reif K. and Marlier E. (1998). *Euro-barometer 43.0: Cross-border purchases, smoking habits and cancer risks, March-April 1995 [Computer file]*. Zentralarchiv für Empirische Sozialforschung,

- Cologne. <http://www.icpsr.umich.edu/icpsrweb/ICPSR/studies/6662?q=euro-barometer+43+cross-border+purchases>
- Reif K. and Melich A. (1990). *Euro-barometer 29: Environmental problems and cancer, March-April 1988 [Computer file]*. Inter-university Consortium for Political and Social Research, Ann Arbor, Michigan. <http://www.icpsr.umich.edu/icpsrweb/ICPSR/studies/9083?q=euro-barometer+29+environmental>
- Reif K. and Melich A. (1991a). *Euro-barometer 30: Immigrants and out-groups in Western Europe, October-November 1988 [Computer file]*. Inter-university Consortium for Political and Social Research, Ann Arbor, Michigan. <http://www.icpsr.umich.edu/icpsrweb/ICPSR/studies/9321?q=euro-barometer+30+immigrants>
- Reif K. and Melich A. (1991b). *Euro-barometer 31: European elections, 1989: Pre-election survey, March-April 1989 [Computer file]*. Inter-university Consortium for Political and Social Research, Ann Arbor, Michigan, and Zentralarchiv für Empirische Sozialforschung, Cologne. <http://www.icpsr.umich.edu/icpsrweb/ICPSR/studies/9322?q=euro-barometer+31+european+elections>
- Reif K. and Melich A. (1992). *Euro-barometer 32: The single european market, drugs, alcohol, and cancer, November 1989 [Computer file]*, Second edition. Inter-university Consortium for Political and Social Research, Ann Arbor, Michigan, and Zentralarchiv für Empirische Sozialforschung, Cologne. <http://www.icpsr.umich.edu/icpsrweb/ICPSR/studies/9519?q=euro-barometer+32+the+single>
- Reif K. and Melich A. (1995). *Euro-barometer 38: European court of justice, passive smoking, and consumer issues, September-October 1992 [Computer file]*, Second edition. Zentralarchiv für Empirische Sozialforschung, Cologne, and Inter-university Consortium for Political and Social Research, Ann Arbor, Michigan. <http://www.icpsr.umich.edu/icpsrweb/ICPSR/studies/6044?q=euro-barometer+38+european>
- Reif K. and Melich A. (1998a). *Euro-barometer 36: Regional identity and perceptions of the third world, Fall 1991 [Computer file]*. Inter-university Consortium for Political and Social Research, Ann Arbor, Michigan, and Zentralarchiv für Empirische Sozialforschung, Cologne. <http://www.icpsr.umich.edu/icpsrweb/ICPSR/studies/9771?q=euro-barometer+36+regional>
- Reif K. and Melich A. (1998b). *Euro-barometer 41: Trade issues, blood donation, aids, and smoking, April-May 1994 [Computer file]*, Fourth edition. Inter-university Consortium for Political and Social Research, Ann Arbor, Michigan, and Zentralarchiv für Empirische Sozialforschung, Cologne. <http://www.icpsr.umich.edu/icpsrweb/ICPSR/studies/6422?q=euro-barometer+41+trade>
- Reif K. and Melich A. (2000). *Euro-barometer 34.1: Health problems, Fall 1990 [Computer file]*, Second edition. Zentralarchiv für Empirische Sozialforschung, Cologne, and Inter-university Consortium for Political and Social Research, Ann Arbor, Michigan. <http://www.icpsr.umich.edu/icpsrweb/ICPSR/studies/9577?q=euro-barometer+34.1+>
- Reissig M. (1977). Zur Verbreitung des Rauchens unter der werktätigen Jugend der DDR und zum Rauchverhalten Leipziger Jugendlicher (Investigations on the extension of smoking among the working youth of the German Democratic Republic and on the smoking habits of Leipzig youth). *Z Erkr Atmungsorgane*, **148**, 268-277.
- Reissig M. (1989). Die Entwicklung des Rauchverhaltens Jugendlicher (Development of smoking behavior in adolescents). *Arztl Jugendkd*, **80**, 220-227.
- Rohrmann S., Kroke A., Boeing H. and Becker N. (2003). Time trends in cigarette smoking in two German cohorts - results from EPIC Germany. *Eur J Cancer Prev*, **12**, 327-332.
- Rothenbacher D., Brenner H., Arndt V., Fraisse E., Zschenderlein B. and Fliedner T.M. (1996). Smoking patterns and mortality attributable to smoking in a cohort of 3528 construction workers. *Eur J Epidemiol*, **12**, 335-340.
- RP6, see Lee (ed.) (1975).
- Scheuermann W., Grafnetter D., Östör-Lamm E., Nüssel E. and Ganowa M. (1991). Blood thiocyanate levels and self-reported smoking habits compared in two large cardiovascular population studies. *Cor Vasa*, **33**, 150-161.
- Schlegel V. and Schulz D. (1987). Rauchgewohnheiten 12- bis 16jähriger Schüler im Kreis Hohenmölsen. 1. Mitteilung: Prävalenz an aktuellen Rauchern (Smoking habits of 12-16 year

- old students in the district of Hohenmölsen. Part 1. Frequency of current smokers). *Arztl Jugendkd*, **78**, 178-183.
- Scholz M. and Kaltenbach M. (1995). Zigaretten-, Alkohol- und Drogenkonsum bei 12- bis 13jährigen Jugendlichen: eine anonyme Befragung bei 2979 Schülern (Cigarette, alcohol and drug use in 12 to 13-year-old adolescents: an anonymous survey of 2,979 students). *Gesundheitswesen*, **57**, 339-344.
- Scholz M. and Kaltenbach M. (2000). Förderung des Nichtraucherverhaltens bei 13-jährigen Schulerinnen und Schülern von Realschule und Gymnasium. Eine prospektive, randomisierte Interventionsstudie bei 1956 Schülern. (Promoting non-smoking behavior in 13-year-old students in primary schools and high schools. A prospective, randomized intervention study with 1,956 students). *Gesundheitswesen*, **62**, 78-85.
- Schulz K.F. and Grimes D.A. (2005). Sample size calculations in randomised trials: mandatory and mystical. *Lancet*, **365**, 1348-1353.
- Scientific Committee on Emerging and Newly Identified Health Risks (SCENIHR) (2008, accessed Oct 2010). *Health effects of smokeless tobacco products*. European Commission, Health & Consumer Protection Directorate-General, Brussels.  
[http://ec.europa.eu/health/ph\\_risk/committees/04\\_scenihr/docs/scenihr\\_o\\_013.pdf](http://ec.europa.eu/health/ph_risk/committees/04_scenihr/docs/scenihr_o_013.pdf)
- Skafida V., Silver K.E., Rechel B.P. and Gilmore A.B. (2014). Change in tobacco excise policy in Bulgaria: the role of tobacco industry lobbying and smuggling. *Tob Control*, **23**, e75-84.
- Spiegel-Verlag (1971). Männer und Märkte. Besitz-, Konsum- und Informationsverhalten der männlichen Bundesbevölkerung. Hamburg. §
- Spiegel-Verlag (1978). Kauf-, Konsum- und Kommunikationsverhalten der Bundesbevölkerung. Hamburg. §
- Statistisches Bundesamt (1972, approx). *Befölkerung und Wirtschaft 1872-1972*. Statistisches Bundesamt, Wiesbaden.
- Statistisches Bundesamt (1978-1995). *Fragen zur Gesundheit (Questions on health)*. Metzler Poeschel, Reutlingen. Fachserie 12: Gesundheitswesen. Reihe S.3.
- Statistisches Bundesamt (1988, approx). *Annähernder Verbrauch von Tabakerzeugnissen*. Statistisches Bundesamt. VII B - 63/4 - 08.
- Statistisches Bundesamt (2004). *Fragen zur Gesundheit, Mikrozensus 2003 - Rauchgewohnheiten der Bevölkerung im Mai 2003*. Statistisches Bundesamt, Wiesbaden. Artikelnummer: 5239004039004. [http://www.destatis.de/jetspeed/portal/cms/\\_publications](http://www.destatis.de/jetspeed/portal/cms/_publications)
- Statistisches Bundesamt (2006). *Mikrozensus - Fragen zur gesundheit - rauchgewohnheiten der Bevölkerung - 2005*. Statistisches Bundesamt, Wiesbaden. Artikelnummer: 5239004059004. [http://www.destatis.de/jetspeed/portal/cms/\\_publications](http://www.destatis.de/jetspeed/portal/cms/_publications)
- Statistisches Bundesamt (2010). *Mikrozensus - Fragen zur gesundheit - rauchgewohnheiten der Bevölkerung - 2009*. Statistisches Bundesamt, Wiesbaden. Artikelnummer: 5239004099004. <https://www.destatis.de/DE/Publikationen/Thematisch/Gesundheit/AlteAusbaben/RauchgewohnheitenAlt.html>
- Statistisches Bundesamt (2014). *Mikrozensus - Fragen zur gesundheit - rauchgewohnheiten der Bevölkerung - 2013*. Statistisches Bundesamt, Wiesbaden. Artikelnummer: 5239004139004. <https://www.destatis.de/DE/Publikationen/Thematisch/Gesundheit/Gesundheitszustand/Rauchgewohnheiten.html>
- Statistisches Bundesamt (accessed Dec 2015a) *Das Informationssystem der Gesundheitsberichterstattung des Bundes. Raucherquote bei Jugendlichen und jungen Erwachsenen in Prozent der Befragten. Gliederungsmerkmale: Jahre, Deutschland, Alter, Geschlecht, Westen/Osten. (Smoker quota among youths in percent of those interviewed. Classification: years, Germany, age, sex, west/east)*. [www.gbe-bund.de](http://www.gbe-bund.de)
- Statistisches Bundesamt (accessed Dec 2015b) *Das Informationssystem der Gesundheitsberichterstattung des Bundes. Rauchverhalten (Anteil der Befragten in Prozent). Gliederungsmerkmale: Jahre, Region, Alter, Geschlecht, Bildung*. [www.gbe-bund.de](http://www.gbe-bund.de)
- Statistisches Bundesamt (accessed Aug 2016) *Consumption of alcoholic drinks and tobacco goods. Classification: years, Germany, alcoholic drinks and tobacco goods*. [www.gbe-bund.de](http://www.gbe-bund.de)
- Stern (1977). Medien-Märkte-Konsumenten. Marktprofil Genussmittel. Hamburg. §

- Thefeld W. (2000). Verbreitung der Herz-Kreislauf-Risikofaktoren Hypercholesterinämie, Übergewicht, Hypertonie und Rauchen in der Bevölkerung (Prevalence of the cardiovascular risk factors hypercholesterolemia, over-weight, hypertension, and smoking in the population). *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz*, **43**, 415-423.
- Thelen J. and Hoebel J. (2012). *Health in Europe - Data from the EU Health Monitoring Programme*. Robert Koch Institute, Berlin. GBE Kompakt 3(6).  
[http://www.rki.de/EN/Content/Health\\_Monitoring/Health\\_Report/GBEDownloadsK/2012\\_6\\_european\\_health.pdf?blob=publicationFile](http://www.rki.de/EN/Content/Health_Monitoring/Health_Report/GBEDownloadsK/2012_6_european_health.pdf?blob=publicationFile)
- Theopold W. (1972). Rauchen bei Schülern. *Hess Arztebl*, **23**, 568-577.
- Thiele H.J., Tredt H.J. and Friedemann H. (eds.) (1974). *Vielfachreihenuntersuchungen - Erfahrungen und Entwicklungstendenzen*. Volk und Gesundheit, Berlin. §
- Timm J. (1976). Trendanalysen zum Problem des Verbrauches an Nikotin und Rauchkondensat in der Bundesrepublik Deutschland für die Jahre 1961 bis 1975 (Trend analyses for the problem of nicotine and smoke condensate in FDR for 1961-1975). *Beitr Tabakforsch Int*, **8**, 404-414.
- Tobacco Europe (1996, Jul-Aug). Europe lights up. 17-19.
- Tobacco International (1980, Sep 19). German men not smoking as they used to, but women's numbers rise. 28, 46.
- Tobacco Journal International (1999, Jan). Friendly climate persists. Country special: Germany. 10-16.
- Todd G. (1986a). *Medicine. Statistics of smoking in the Member States of the European Community*. Commission of the European Communities, Luxembourg.
- Todd G.F. (1986b). *Cigarette Data Collection : A record of six cigarette smoking parameters in 20 countries*. Unpublished.
- Tölle R. (1974). *Zigarettenrauchen. Zur Psychologie und Psychopathologie des Rauchers*. Springer-Verlag, Berlin. §
- Tolonen H., Kuulasmaa K. and Ruokokoski E. (2000, revised November 2005). *MONICA population survey data book*. World Health Organization.  
<http://www.thl.fi/publications/monica/surveydb/title.htm>
- US Department of Agriculture (1995). *Germany, tobacco annual*. USDA, Foreign Agricultural Service, Washington, DC. Foreign Agriculture Service GAIN Report (Global Agriculture Information Network). AGR Number GM5038.  
[http://www.fas.usda.gov/scripts/AttacheRep/display\\_gedes\\_report.asp?Rep\\_ID=10001848](http://www.fas.usda.gov/scripts/AttacheRep/display_gedes_report.asp?Rep_ID=10001848)
- US Department of Agriculture (1996). *Germany, tobacco annual*. USDA, Foreign Agricultural Services, Washington, DC. Foreign Agriculture Service GAIN Report (Global Agriculture Information Network). AGR Number GM6030.  
[http://www.fas.usda.gov/scripts/AttacheRep/display\\_gedes\\_report.asp?Rep\\_ID=10006000](http://www.fas.usda.gov/scripts/AttacheRep/display_gedes_report.asp?Rep_ID=10006000)
- US Department of Agriculture (1997). *Germany, tobacco annual*. USDA, Foreign Agricultural Service, Washington, DC. Foreign Agriculture Service GAIN Report (Global Agriculture Information Network). AGR Number GM7023.  
[http://www.fas.usda.gov/scripts/AttacheRep/display\\_gedes\\_report.asp?Rep\\_ID=10006101](http://www.fas.usda.gov/scripts/AttacheRep/display_gedes_report.asp?Rep_ID=10006101)
- US Department of Agriculture (2001, 13 Jun). *Germany, tobacco and products, annual, 2001*. USDA, Foreign Agricultural Service, Washington, DC. Foreign Agriculture Service GAIN Report (Global Agriculture Information Network). GAIN Report #GM1017.  
<http://www.fas.usda.gov/gainfiles/200106/105680985.pdf>
- US Department of Agriculture (2002, 31 May). *Germany, tobacco and products, annual, 2002*. USDA, Foreign Agricultural Service, Washington, DC. Foreign Agriculture Service GAIN Report (Global Agriculture Information Network). GAIN Report #GM2007.  
<http://www.fas.usda.gov/gainfiles/200205/145683643.pdf>
- US Department of Agriculture (2003, 30 May). *Germany, tobacco and products, annual, 2003*. USDA, Foreign Agricultural Service, Washington, DC. Foreign Agriculture Service GAIN Report (Global Agriculture Information Network). GAIN Report #GM3016.  
<http://www.fas.usda.gov/gainfiles/200305/145885776.pdf>
- US Department of Agriculture (2004, 27 May). *Germany, tobacco and products, annual, 2004*. USDA, Foreign Agricultural Service, Washington, DC. Foreign Agriculture Service GAIN Report

## References (continued)

- (Global Agriculture Information Network). GAIN Report Number : GM4020.  
<http://www.fas.usda.gov/gainfiles/200406/146106529.pdf>
- US Department of Agriculture (accessed Sep 2008, last updated March 2008) *PSD online dataset for Tobacco, Mfg., Cigarettes.* <http://www.fas.usda.gov/psdonline/psdHome.aspx>
- van Reek J. and Adriaanse H. (1995). Daily smoking among adolescents in the European Community. *Rev Epidemiol Sante Publique*, **43**, 281-282.
- van Reek J., Adriaanse H. and Karaoglu A. (1992). Smoking among children in the European Community. *J Public Health Med*, **14**, 93-94.
- von Harnack G.-A., Linn C. and Reinecke E. (1967). Über die Verbreitung des Rauchens bei Kindern und Jugendlichen. (On the spread of smoking in children and adolescents). *Dtsch Med Wochenschr*, **92**, 329-334.
- von Lampe K. (2006). The cigarette black market in Germany and the United Kingdom. *J Financ Crime*, **13**, 235-254.
- Weber K.H. (1972). Tar and nicotine in German cigarettes. *Prev Med*, **1**, 446-450.
- Weber K.H. (1976). Recent changes in tobacco products and their acceptance by the consumer (Changements récents dans les produits du tabac et leur acceptation par le consommateur). Presented at *6th International Tobacco Science Congress, Tokyo*; 15-30.
- Weiland S.K., Stolpe S. and Keil U. (1994). Die Rauchgewohnheiten von Kindern und Jugendlichen: Eine Herausforderung für die primäre Prävention (Smoking among children and adolescents: a challenge for primary prevention). *Soz Praventivmed*, **39**, 293-298.
- Werner E. (1961). Über Rauchgewohnheiten. *Dtsch Gesundheitsw*, **16**, 2479-2483. §
- Wilde J., Sr., Matthäi C., Mehnert W.H., Staneczek W., Luft D. and Wilde J., Jr. (1990). Lungenkrebs in der DDR unter besonderer Berücksichtigung der histologischen Typen und des Zigarettenkonsums. (Lung cancer in the GDR with special reference to histological types and cigarette consumption). *Arch Geschwulstforsch*, **60**, 25-34.
- Wolf H.K., Kuulasmaa K., Tolonen H. and Ruokokoski E. (1998). *Participation rates, quality of sampling frames and sampling fractions in the MONICA surveys*. World Health Organization. <http://www.thl.fi/publications/monica/nonres/nonres.htm>
- Wolff E. (1981). Der Blutdruck in einer ländlichen Bevölkerung: Mehrzeitiges Screening einer ländlichen Population [Dissertation B]. Greifswald University. §
- World Health Organization (1975). Survey on smoking and health in the European Region, 1974-75: preliminary data as at 1 May 1975. Presented at *Third World Conference on Smoking and Health, New York, 2-5 June 1975*. WHO; 1-55.
- World Health Organization (1989). The WHO MONICA project: a worldwide monitoring system for cardiovascular diseases. In: *World Health Statistics Annual 1989*. WHO, Geneva; 25-149.
- Wuthe H., Petro W., Müller E., Pohl S. and Vogel J. (1977). Rauchen im Kindesalter - Ergebnisse einer Schuluntersuchung in Berlin- Karow 1976 (Smoking in the childhood - results of the school study Berlin-Karow 1976). *Z Erkr Atmungsorgane*, **148**, 25-34.
- Wynder E.L., Williams C.L., Laakso K. and Levenstein M. (1981). Screening for risk factors for chronic disease in children from fifteen countries. *Prev Med*, **10**, 121-132.
- Zuber L. and Zuber R. (1973). Rauchgewohnheiten bei Schülern der Klassen 5-12 der erweiterten Oberschule, der polytechnischen Oberschule, der Berufsschule und der SonderSchule der Kreisstadt Zeulenroda (Ostthüringen). *Z Arztl Fortbild*, **67**, 1267-1273.

§ Original paper not obtained, but information taken as quoted by another author