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# **International Smoking Statistics**

Web Edition

A collection of worldwide historical data

# **USA**

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## 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].

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];

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.

## Acknowledgements

We would like to acknowledge the tobacco industry for their financial support and for providing some of the sales data in International Smoking Statistics.

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

## Sales data

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

From 1920 until 1963 the consumption of manufactured cigarettes per adult increased, apart from some fluctuations during the depression years, from about 2 to 11 cigarettes per day. Consumption then decreased slowly to less than 4 cigarettes per day by 2010. There was a rapid shift from plain to filter cigarettes, from 1% filter in 1950 to 51% in 1960. This continued more gradually, reaching 90% in the late 1970s and about 99% since 2000. The smoking of hand-rolled cigarettes increased during the depression years to nearly 2 cigarettes per adult per day in 1935. It then declined and has been relatively unimportant since the Second World War, although there has been a small revival in the 2000s.

Limited data from the late 19<sup>th</sup> century show that the consumption of tobacco products per adult was about 7 g per day in 1880, rising to about 11 g around 1905. It remained about this level through the 1920s, and then fell to 9 g by 1933. Thereafter it rose steadily and in the 1950s and 1960s, consumption was about 12-14 g per day. It had fallen to 5 g per day by 2000 and declined only slightly during the 2000s.

In the 1880s and 1890s, chewing tobacco and cigars were the main tobacco products used, forming 50-60% and 25-30% of all tobacco consumption respectively. From about 1900, the proportion consumed in manufactured cigarettes increased rapidly, reaching 15-20% by 1920, and about 80% by the early 1960s. It remained steady until the early 2000s when it fell slightly. From the 1950s, the proportion consumed as pipe and hand-rolling tobacco has decreased to low levels. Chewing tobacco has remained fairly steady around 4-7%, while snuff has tended to increase, reaching 9% of all tobacco consumed in 2005. (A small part of the apparent increase for snuff is due to a reclassification of fine-cut chewing tobacco as snuff in 1982.) Consumption of cigars had decreased to 4% by the mid-1990s, but has since increased to 10%.

## Survey data

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

Limited nationally-based data supported by various regional surveys suggest that the prevalence of cigarette smoking among men exceeded 50% through the 1920s, 1930s and 1940s, with perhaps 70-80% smoking tobacco in some form. Smoking by women only began to be socially acceptable in the 1920s, with prevalence probably reaching 25% around 1940 (US Surgeon General (1980)). By the mid 1950s, the prevalence of cigarette smoking among those aged 15 years and over was about 50% in men and 30% in women. The prevalence of regular cigarette smoking among men has reduced steadily since then to just below 20% in 2004. The prevalence among women remained around 30% until about 1980, then fell to about 15%. The prevalence of occasional smoking has increased, although the estimates vary substantially between sources – about 11% of men and 8% of women in the 2000s according to source 7, but only 4% of men and 3% of women according to sources 2 and 4. Data on percentages of men and women who smoke products other than cigarettes are scarce; since 1999, (source 7) 5% of men and

0.5% of women smoked other products but not cigarettes, and a further 3% of men and a negligible proportion of women used smokeless tobacco but did not smoke.

Data on adult smoking by age are available since the 1930s. In general, more men than women smoked in each reported age group. From the late 1960s, the prevalence of smoking decreased in men at every age, but less so above age 65; in women some decrease was seen below age 45, but until the mid 1980s there was an increase above age 65. However, a lower prevalence of smoking in older age groups continued to be more marked in women than in men.

The prevalence of teenage smoking among girls was lower than among boys in local surveys in the 1950s and when first surveyed nationally in 1968, but increased until the mid-1970s. Most surveys indicate that the prevalence among girls was higher than among boys from the late 1970s to the late 1980s, since when they have been about equal. More boys than girls additionally use smokeless tobacco. Some surveys are conducted in school settings (e.g. sources 13-15), while other surveys have reported higher smoking prevalence among school drop-outs or absentees (e.g. sources 19, 20). Definitions of regular smoking vary considerably in surveys of teenagers, and comparisons should be made with caution.

Comparison of survey and sales data suggests that surveys under-reported consumption by 30-40% up to the mid-1990s, and by 35-45% since. The estimated number of cigarettes smoked per person per day (sales-adjusted) peaked for men in the mid-1960s at 14 and declined to 6 by 2004. For women it reached 8 cigarettes per day in the mid-1970s, and declined to 4 by 2004.



**Table 1.1** Total annual sales of tobacco products, 1920-1973

| Year | Manufactured cigarettes |          | Cigars |          | Pipe and hand-rolling tobacco | Chewing tobacco | Snuff  | All tobacco products |
|------|-------------------------|----------|--------|----------|-------------------------------|-----------------|--------|----------------------|
|      | tonnes                  | millions | tonnes | millions | tonnes                        | tonnes          | tonnes | tonnes               |
| 1920 | 44 660                  | 44 656   | 72 630 | 8 609    | 164 970                       |                 | 16 370 | 298 640              |
| 1921 | 50 910                  | 50 899   | 62 730 | 7 435    | 159 120                       |                 | 16 190 | 288 950              |
| 1922 | 53 590                  | 53 582   | 63 500 | 7 527    | 173 320                       |                 | 17 330 | 307 740              |
| 1923 | 64 480                  | 64 469   | 63 320 | 7 505    | 169 050                       |                 | 17 870 | 314 720              |
| 1924 | 71 040                  | 71 024   | 60 650 | 7 189    | 169 640                       |                 | 31 300 | 332 630              |
| 1925 | 79 990                  | 79 976   | 58 630 | 6 949    | 168 920                       |                 | 17 150 | 324 680              |
| 1926 | 89 470                  | 89 460   | 59 120 | 7 008    | 168 740                       |                 | 17 280 | 334 620              |
| 1927 | 97 200                  | 97 188   | 59 120 | 7 008    | 160 530                       |                 | 18 230 | 335 090              |
| 1928 | 105 940                 | 105 927  | 57 990 | 6 874    | 155 810                       |                 | 18 460 | 338 210              |
| 1929 | 119 070                 | 119 049  | 58 820 | 6 972    | 153 180                       |                 | 18 140 | 349 210              |
| 1930 | 119 650                 | 119 632  | 52 920 | 6 272    | 149 140                       |                 | 18 190 | 339 900              |
| 1931 | 113 470                 | 113 455  | 47 720 | 5 656    | 148 780                       |                 | 17 920 | 327 890              |
| 1932 | 103 610                 | 103 589  | 39 860 | 4 724    | 141 660                       |                 | 16 510 | 301 630              |
| 1933 | 111 780                 | 111 766  | 38 410 | 4 553    | 138 300                       |                 | 16 470 | 304 960              |
| 1934 | 125 720                 | 125 700  | 40 650 | 4 818    | 139 300                       |                 | 16 870 | 322 540              |
| 1935 | 134 630                 | 134 610  | 41 700 | 4 943    | 138 030                       |                 | 17 280 | 331 640              |
| 1936 | 153 190                 | 153 169  | 45 240 | 5 362    | 140 430                       |                 | 16 370 | 355 240              |
| 1937 | 162 660                 | 162 629  | 46 540 | 5 516    | 136 490                       |                 | 16 740 | 362 420              |
| 1938 | 163 790                 | 163 761  | 44 660 | 5 294    | 138 750                       |                 | 16 920 | 364 120              |
| 1939 | 172 500                 | 172 469  | 46 140 | 5 469    | 137 350                       |                 | 17 240 | 373 220              |
| 1940 | 180 690                 | 180 664  | 46 330 | 5 491    | 138 030                       |                 | 17 190 | 382 240              |
| 1941 | 206 470                 | 206 432  | 50 060 | 5 933    | 135 490                       |                 | 17 960 | 409 970              |
| 1942 | 235 880                 | 235 841  | 53 480 | 6 339    | 127 230                       |                 | 18 690 | 435 280              |
| 1943 | 257 790                 | 257 743  | 45 140 | 5 350    | 119 070                       |                 | 19 600 | 441 580              |
| 1944 | 239 330                 | 239 287  | 41 150 | 4 878    | 114 210                       |                 | 19 050 | 413 750              |
| 1945 | 267 700                 | 267 652  | 42 410 | 5 027    | 122 560                       |                 | 19 780 | 452 440              |
| 1946 | 321 530                 | 321 475  | 50 020 | 5 929    | 95 750                        |                 | 18 010 | 485 310              |
| 1947 | 336 020                 | 335 965  | 48 140 | 5 706    | 90 360                        |                 | 17 830 | 492 340              |
| 1948 | 348 790                 | 348 731  | 49 440 | 5 860    | 90 580                        |                 | 18 640 | 507 450              |
| 1949 | 351 870                 | 351 809  | 47 460 | 5 625    | 47 990                        | 39 690          | 18 600 | 505 600              |
| 1950 | 360 260                 | 360 199  | 47 310 | 5 608    | 47 310                        | 38 960          | 18 140 | 511 990              |
| 1951 | 379 790                 | 379 725  | 48 750 | 5 778    | 44 180                        | 38 240          | 17 780 | 528 730              |
| 1952 | 394 170                 | 394 109  | 50 930 | 6 037    | 42 140                        | 37 560          | 17 600 | 542 400              |
| 1953 | 386 890                 | 386 826  | 51 520 | 6 107    | 38 240                        | 37 190          | 17 640 | 531 490              |
| 1954 | 368 790                 | 368 725  | 50 820 | 6 024    | 36 830                        | 35 970          | 17 510 | 509 920              |
| 1955 | 382 120                 | 382 061  | 51 280 | 6 078    | 35 290                        | 35 150          | 17 690 | 521 540              |
| 1956 | 393 220                 | 393 154  | 50 950 | 6 039    | 31 750                        | 33 660          | 17 050 | 526 630              |
| 1957 | 409 500                 | 409 436  | 52 260 | 6 194    | 31 250                        | 32 110          | 16 370 | 541 500              |
| 1958 | 436 040                 | 436 354  | 53 770 | 6 586    | 33 750                        | 30 840          | 15 780 | 570 180              |
| 1959 | 446 200                 | 453 681  | 60 230 | 7 377    | 32 610                        | 30 250          | 15 240 | 584 540              |
| 1960 | 452 820                 | 470 136  | 57 940 | 7 097    | 32 750                        | 28 940          | 15 740 | 588 190              |
| 1961 | 476 500                 | 488 119  | 57 830 | 7 083    | 32 980                        | 29 210          | 15 290 | 611 800              |
| 1962 | 474 910                 | 494 463  | 57 990 | 7 103    | 31 660                        | 28 940          | 15 010 | 608 520              |
| 1963 | 515 730                 | 509 588  | 60 700 | 7 434    | 31 620                        | 29 260          | 14 470 | 651 770              |
| 1964 | 495 770                 | 497 447  | 72 180 | 9 899    | 37 060                        | 29 710          | 14 200 | 648 920              |
| 1965 | 510 290                 | 511 464  | 68 080 | 8 949    | 31 660                        | 28 980          | 13 380 | 652 390              |
| 1966 | 502 120                 | 522 533  | 65 380 | 8 610    | 31 120                        | 29 120          | 13 380 | 641 120              |
| 1967 | 495 320                 | 527 800  | 63 770 | 8 403    | 30 120                        | 29 170          | 13 110 | 631 480              |
| 1968 | 491 690                 | 523 008  | 62 700 | 8 331    | 31 570                        | 29 660          | 12 560 | 628 190              |
| 1969 | 470 370                 | 510 531  | 63 120 | 8 579    | 30 980                        | 31 430          | 12 200 | 608 110              |
| 1970 | 471 280                 | 532 769  | 64 400 | 8 881    | 33 570                        | 30 930          | 12 110 | 612 290              |
| 1971 | 460 390                 | 528 858  | 62 720 | 8 830    | 31 520                        | 32 570          | 12 070 | 599 270              |
| 1972 | 490 330                 | 551 017  | 61 550 | 11 125   | 30 300                        | 32 890          | 11 660 | 626 720              |
| 1973 | 508 020                 | 590 300  | 59 610 | 11 225   | 26 990                        | 33 790          | 11 570 | 639 980              |

Source: see *Notes on sources of sales data: Sales data for 1920-1973*, p. 45

**Table 1.2** Total annual sales of tobacco products, 1974-2005

| Year | Manufactured cigarettes |          | Large cigars |          | Small cigars |          | Pipe and hand-rolling tobacco | Chewing tobacco | Snuff  | All tobacco products |
|------|-------------------------|----------|--------------|----------|--------------|----------|-------------------------------|-----------------|--------|----------------------|
|      | tonnes                  | millions | tonnes       | millions | tonnes       | millions | tonnes                        | tonnes          | tonnes | tonnes               |
| 1974 | 518 340                 | 599 000  | 46 120       | 6 356    | 3 460        | 3 066    | 27 220                        | 35 420          | 11 100 | 641 660              |
| 1975 | 516 370                 | 607 200  | 42 170       | 5 804    | 3 270        | 2 892    | 24 360                        | 36 550          | 11 440 | 634 160              |
| 1976 | 499 840                 | 613 500  | 38 990       | 5 373    | 2 440        | 2 162    | 24 360                        | 38 070          | 11 680 | 615 380              |
| 1977 | 498 110                 | 617 000  | 37 700       | 4 994    | 2 100        | 1 854    | 21 450                        | 40 220          | 11 080 | 610 660              |
| 1978 | 485 290                 | 616 000  | 35 320       | 4 702    | 1 760        | 1 558    | 20 050                        | 41 890          | 11 000 | 595 310              |
| 1979 | 511 100                 | 621 500  | 32 070       | 4 304    | 1 630        | 1 441    | 17 830                        | 45 780          | 10 820 | 619 230              |
| 1980 | 504 570                 | 631 500  | 29 830       | 4 001    | 1 590        | 1 411    | 16 920                        | 48 020          | 10 830 | 611 760              |
| 1981 | 493 420                 | 640 000  | 29 250       | 3 893    | 1 540        | 1 364    | 16 560                        | 48 270          | 11 580 | 600 620              |
| 1982 | 496 090                 | 634 000  | 27 230       | 3 667    | 1 430        | 1 265    | 15 290                        | 39 920          | 19 910 | 599 870              |
| 1983 | 482 980                 | 600 000  | 26 880       | 3 605    | 1 510        | 1 334    | 15 100                        | 39 280          | 20 730 | 586 480              |
| 1984 | 465 480                 | 600 400  | 25 930       | 3 471    | 1 390        | 1 234    | 12 470                        | 39 600          | 21 640 | 566 510              |
| 1985 | 471 710                 | 594 000  | 23 720       | 3 197    | 1 380        | 1 218    | 12 250                        | 38 560          | 22 040 | 569 660              |
| 1986 | 462 640                 | 583 800  | 22 840       | 3 055    | 1 090        | 966      | 11 070                        | 35 700          | 21 180 | 554 520              |
| 1987 | 448 700                 | 575 000  | 20 300       | 2 728    | 1 300        | 1 154    | 10 700                        | 34 610          | 20 460 | 536 070              |
| 1988 | 443 370                 | 562 500  | 18 540       | 2 531    | 1 310        | 1 160    | 10 210                        | 33 880          | 21 680 | 528 990              |
| 1989 | 410 180                 | 540 000  | 20 080       | 2 470    | 1 290        | 1 141    | 8 750                         | 33 070          | 22 320 | 495 690              |
| 1990 | 412 900                 | 525 000  | 16 120       | 2 345    | 1 290        | 1 140    | 8 120                         | 32 070          | 23 270 | 493 770              |
| 1991 | 408 230                 | 510 000  | 16 240       | 2 246    | 1 370        | 1 214    | 7 440                         | 32 340          | 24 220 | 489 840              |
| 1992 | 395 020                 | 500 000  | 16 430       | 2 219    | 1 460        | 1 292    | 7 210                         | 30 710          | 25 170 | 476 000              |
| 1993 | 406 590                 | 485 000  | 16 580       | 2 138    | 1 470        | 1 302    | 6 940                         | 28 940          | 25 760 | 486 280              |
| 1994 | 366 830                 | 486 000  | 16 450       | 2 294    | 1 440        | 1 271    | 6 670                         | 28 030          | 26 580 | 446 000              |
| 1995 | 366 080                 | 487 000  | 18 540       | 2 518    | 1 560        | 1 377    | 6 440                         | 28 210          | 26 940 | 447 770              |
| 1996 | 370 420                 | 487 000  | 22 580       | 3 054    | 1 580        | 1 397    | 7 030                         | 27 220          | 27 850 | 456 680              |
| 1997 | 368 570                 | 480 000  | 26 090       | 3 517    | 1 790        | 1 587    | 6 890                         | 25 760          | 28 170 | 457 270              |
| 1998 | 333 760                 | 465 000  | 27 260       | 3 655    | 1 850        | 1 638    | 6 760                         | 23 810          | 29 030 | 422 470              |
| 1999 | 328 700                 | 435 000  | 28 540       | 3 845    | 2 480        | 2 196    | 6 670                         | 22 910          | 29 710 | 419 010              |
| 2000 | 323 640                 | 430 000  | 28 490       | 3 850    | 2 530        | 2 243    | 6 580                         | 22 000          | 31 120 | 414 360              |
| 2001 | 328 970                 | 425 000  | 29 500       | 3 941    | 2 450        | 2 171    | 7 620                         | 21 140          | 32 980 | 422 660              |
| 2002 | 322 910                 | 415 000  | 31 040       | 4 206    | 2 540        | 2 248    | 7 850                         | 19 500          | 32 520 | 416 360              |
| 2003 | 307 190                 | 400 000  | 33 690       | 4 527    | 2 490        | 2 207    | 8 440                         | 18 280          | 33 570 | 403 660              |
| 2004 | 300 760                 | 388 000  | 36 920       | 4 935    | 3 050        | 2 701    | 7 620                         | 17 190          | 35 060 | 400 600              |
| 2005 | 288 230                 | 376 000  | 36 190       | 4 877    | 4 260        | 3 772    | 8 710                         | 17 100          | 35 880 | 390 370              |

Source: see *Notes on sources of sales data: Sales data for 1974-2005*, p. 46

**Table 1.3** Total annual sales of tobacco products, 2006-2010 (including alternative estimates for 2003-2005)

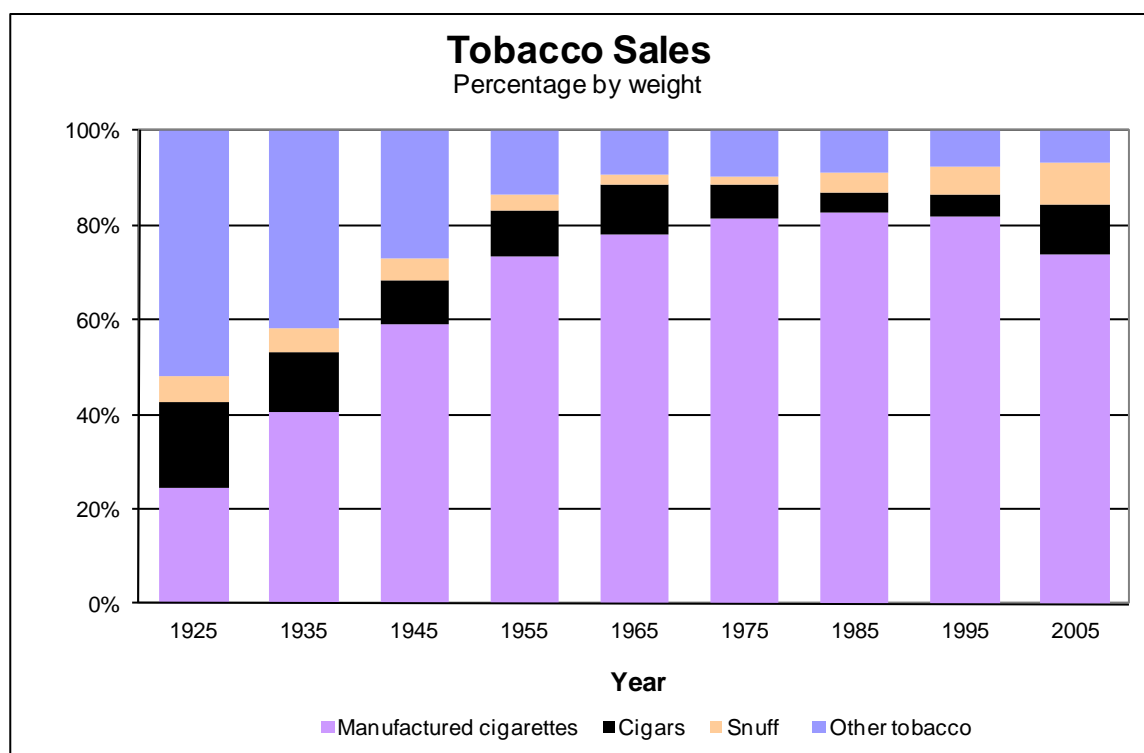
| Year | Manufactured cigarettes |          | Large cigars |          | Small cigars |          | Pipe and hand-rolling tobacco | Chewing tobacco | Snuff  | All tobacco products |
|------|-------------------------|----------|--------------|----------|--------------|----------|-------------------------------|-----------------|--------|----------------------|
|      | tonnes                  | millions | tonnes       | millions | tonnes       | millions | tonnes                        | tonnes          | tonnes | tonnes               |
| 2003 | 307 015                 | 399 768  | 33 730       | 4 533    | 2 789        | 2 468    | 8 167                         | 20 601          | 33 503 | 405 805              |
| 2004 | 308 732                 | 398 285  | 36 918       | 4 935    | 3 296        | 2 917    | 8 289                         | 19 572          | 35 380 | 412 187              |
| 2005 | 292 140                 | 381 107  | 37 756       | 5 088    | 4 484        | 3 968    | 10 191                        | 17 780          | 36 396 | 398 747              |
| 2006 | 291 848                 | 380 726  | 39 352       | 5 303    | 5 043        | 4 463    | 10 225                        | 17 734          | 39 298 | 403 500              |
| 2007 | 277 237                 | 361 665  | 41 200       | 5 552    | 5 742        | 5 081    | 10 868                        | 16 014          | 40 083 | 391 144              |
| 2008 | 265 550                 | 346 419  | 41 994       | 5 659    | 6 646        | 5 881    | 12 272                        | 15 173          | 43 009 | 384 644              |
| 2009 | 243 787                 | 318 029  | 72 686       | 9 795    | 2 648        | 2 343    | 11 374                        | 13 815          | 43 116 | 387 426              |
| 2010 | 230 313                 | 300 451  | 91 178       | 12 287   | 1 111        | 983      | 14 299                        | 12 526          | 45 319 | 394 746              |

Source: see *Notes on sources of sales data: Sales data for 2006 onwards*, p. 46

**Table 1.4** Percentage of sales of tobacco in different forms (by weight), selected years

| Year | Manufactured<br>cigarettes | Cigars | Snuff | Pipe and<br>hand-rolling<br>tobacco | Chewing<br>tobacco |
|------|----------------------------|--------|-------|-------------------------------------|--------------------|
|      | %                          | %      | %     | %                                   | %                  |
| 1925 | 24.6                       | 18.1   | 5.3   |                                     | 52.0               |
| 1935 | 40.6                       | 12.6   | 5.2   |                                     | 41.6               |
| 1945 | 59.2                       | 9.4    | 4.4   |                                     | 27.1               |
| 1955 | 73.3                       | 9.8    | 3.4   | 6.8                                 | 6.7                |
| 1965 | 78.2                       | 10.4   | 2.1   | 4.9                                 | 4.4                |
| 1975 | 81.4                       | 7.2    | 1.8   | 3.8                                 | 5.8                |
| 1985 | 82.8                       | 4.4    | 3.9   | 2.2                                 | 6.8                |
| 1995 | 81.8                       | 4.5    | 6.0   | 1.4                                 | 6.3                |
| 2005 | 73.8                       | 10.4   | 9.2   | 2.2                                 | 4.4                |

Source: calculated from Tables 1.1 &amp; 1.2

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

Source: Table 1.4

**Table 1.5** Percentages of sales of smokeless tobacco, and of pipe & hand-rolling tobacco, in various forms

| Year | Smokeless tobacco |       |       |                       |            | Pipe & hand-rolling tobacco |       |              |      |
|------|-------------------|-------|-------|-----------------------|------------|-----------------------------|-------|--------------|------|
|      | Chewing tobacco   |       |       |                       |            | Snuff                       |       | Hand-rolling | Pipe |
|      | Plug              |       | Twist | Fine cut <sup>1</sup> | Loose leaf | Dry                         | Moist |              |      |
|      | Firm              | Moist |       |                       |            |                             |       | %            | %    |
| 1955 | 30.1              |       | 2.9   | 2.5                   | 30.9       | 33.7                        |       | 26           | 74   |
| 1956 | 29.3              |       | 2.9   | 2.6                   | 31.8       | 33.4                        |       | 27           | 73   |
| 1957 | 29.2              |       | 2.8   | 2.6                   | 31.7       | 33.8                        |       | 27           | 73   |
| 1958 | 28.3              |       | 2.8   | 2.8                   | 32.2       | 33.8                        |       | 30           | 70   |
| 1959 | 28.0              |       | 2.8   | 3.0                   | 32.7       | 33.5                        |       | 33           | 67   |
| 1960 | 26.4              |       | 2.9   | 3.1                   | 32.4       | 35.2                        |       | 32           | 68   |
| 1961 | 26.3              |       | 2.8   | 3.3                   | 33.3       | 34.4                        |       | 32           | 68   |
| 1962 | 26.1              |       | 2.7   | 3.4                   | 33.7       | 34.1                        |       | 31           | 69   |
| 1963 | 25.6              |       | 2.7   | 3.5                   | 35.1       | 33.1                        |       | 30           | 70   |
| 1964 | 26.2              |       | 2.7   | 3.7                   | 35.1       | 32.3                        |       | 26           | 74   |
| 1965 | 25.7              |       | 2.7   | 3.9                   | 36.1       | 31.6                        |       | 28           | 72   |
| 1966 | 25.7              |       | 2.7   | 4.2                   | 35.9       | 31.5                        |       | 26           | 74   |
| 1967 | 25.1              |       | 2.6   | 4.3                   | 36.9       | 31.0                        |       | 31           | 69   |
| 1968 | 24.7              |       | 2.6   | 4.6                   | 38.4       | 29.7                        |       | 34           | 66   |
| 1969 | 23.9              |       | 2.5   | 4.7                   | 40.9       | 28.0                        |       | 27           | 73   |
| 1970 | 23.1              |       | 2.5   | 4.9                   | 41.3       | 28.1                        |       | 32           | 68   |
| 1971 | 20.9              |       | 2.3   | 5.2                   | 44.6       | 27.0                        |       | 31           | 69   |
| 1972 | 20.1              |       | 2.3   | 5.3                   | 46.1       | 26.2                        |       | 23           | 77   |
| 1973 | 19.0              |       | 2.3   | 5.9                   | 47.3       | 25.5                        |       | 29           | 71   |
| 1974 | 17.9              |       | 2.2   | 5.9                   | 50.2       | 23.9                        |       | 25           | 75   |
| 1975 | 16.6              |       | 2.1   | 6.8                   | 50.6       | 23.8                        |       | 22           | 78   |
| 1976 | 15.4              |       | 2.1   | 7.9                   | 51.1       | 23.5                        |       | 22           | 78   |
| 1977 | 14.4              |       | 1.9   | 8.8                   | 53.2       | 21.6                        |       | 15           | 85   |
| 1978 | 13.4              |       | 1.8   | 10.0                  | 54.0       | 20.8                        |       | 18           | 82   |
| 1979 | 12.4              |       | 1.6   | 10.8                  | 56.1       | 19.1                        |       | 21           | 79   |
| 1980 | 13.0              |       | 1.5   | 11.4                  | 55.8       | 18.4                        |       | 22           | 78   |
| 1981 | 13.2              |       | 1.4   | 11.5                  | 54.8       | 19.3                        |       | 22           | 78   |
| 1982 | 7.7               | 3.9   | 1.4   |                       | 53.8       | 8.5                         | 24.8  | 24           | 76   |
| 1983 | 7.3               | 3.3   | 1.3   |                       | 53.6       | 8.1                         | 26.5  | 29           | 71   |
| 1984 | 6.4               | 3.0   | 1.2   |                       | 54.1       | 7.6                         | 27.8  | 30           | 70   |
| 1985 | 6.0               | 2.8   | 1.1   |                       | 53.7       | 7.1                         | 29.3  | 30           | 70   |
| 1986 | 5.5               | 2.6   | 1.1   |                       | 53.5       | 7.0                         | 30.2  | 29           | 71   |
| 1987 | 5.5               | 2.5   | 1.2   |                       | 53.7       | 6.8                         | 30.4  | 26           | 74   |
| 1988 | 4.8               | 2.1   | 1.1   |                       | 53.1       | 6.3                         | 32.7  | 23           | 77   |
| 1989 | 4.5               | 2.2   | 1.1   |                       | 52.0       | 5.9                         | 34.4  | 25           | 75   |
| 1990 | 4.1               | 1.8   | 1.0   |                       | 51.1       | 5.6                         | 36.5  | 22           | 78   |
| 1991 | 3.5               | 1.6   | 1.0   |                       | 51.1       | 5.1                         | 37.7  | 29           | 71   |
| 1992 | 3.2               | 1.4   | 1.0   |                       | 49.4       | 5.0                         | 40.1  | 34           | 66   |
| 1993 | 3.0               | 1.2   | 0.9   |                       | 47.8       | 4.6                         | 42.5  | 36           | 64   |
| 1994 | 2.6               | 1.0   | 0.9   |                       | 46.8       | 4.5                         | 44.2  | 38           | 62   |
| 1995 | 2.5               | 0.9   | 0.9   |                       | 46.9       | 4.4                         | 44.5  | 39           | 61   |
| 1996 | 2.3               | 0.8   | 0.9   |                       | 45.4       | 3.8                         | 46.8  | 44           | 56   |
| 1997 | 2.1               | 0.7   | 0.8   |                       | 44.2       | 3.7                         | 48.5  | 46           | 54   |
| 1998 | 2.0               | 0.6   | 0.9   |                       | 41.7       | 3.5                         | 51.4  | 53           | 47   |
| 1999 | 1.8               | 0.5   | 0.8   |                       | 40.4       | 3.4                         | 53.1  | 57           | 43   |
| 2000 | 1.7               | 0.4   | 0.8   |                       | 38.5       | 3.2                         | 55.3  | 63           | 37   |
| 2001 | 1.5               | 0.3   | 0.7   |                       | 36.5       | 2.8                         | 58.1  | 65           | 35   |
| 2002 | 1.5               | 0.3   | 0.7   |                       | 35.0       | 2.7                         | 59.8  | 69           | 31   |
| 2003 | 1.2               | 0.3   | 0.6   |                       | 33.2       | 2.5                         | 62.2  | 75           | 25   |
| 2004 | 1.1               | 0.2   | 0.6   |                       | 31.0       | 2.3                         | 64.8  | 73           | 27   |
| 2005 | 1.0               | 0.2   | 0.5   |                       | 30.6       | 2.1                         | 65.7  | 77           | 23   |
| 2006 | 0.9               | 0.2   | 0.5   |                       | 30.5       | 1.9                         | 65.9  | 78           | 22   |
| 2007 | 0.9               | 0.2   | 0.5   |                       | 28.3       | 1.8                         | 68.4  | 79           | 21   |
| 2008 |                   |       |       |                       |            |                             |       | 80           | 20   |
| 2009 |                   |       |       |                       |            |                             |       | 49           | 51   |
| 2010 |                   |       |       |                       |            |                             |       | 20           | 80   |

<sup>1</sup> Reclassified as moist snuff from 1982

Source: see *Notes on sources of sales data: Sales data by type of smokeless and smoking tobacco for 1955 onwards*, p. 47

**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

| 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 |
| 1920 | 44 656                  | 1.7              |                        |                  |                       |                  | 298 640              | 11.1            |
| 1921 | 50 899                  | 1.9              |                        |                  |                       |                  | 288 950              | 10.5            |
| 1922 | 53 582                  | 1.9              |                        |                  |                       |                  | 307 740              | 11.0            |
| 1923 | 64 469                  | 2.3              |                        |                  |                       |                  | 314 720              | 11.1            |
| 1924 | 71 024                  | 2.5              |                        |                  |                       |                  | 332 630              | 11.5            |
| 1925 | 79 976                  | 2.7              |                        |                  |                       |                  | 324 680              | 11.1            |
| 1926 | 89 460                  | 3.0              |                        |                  |                       |                  | 334 620              | 11.1            |
| 1927 | 97 188                  | 3.2              | 18 700                 | 0.6              | 115 888               | 3.8              | 335 090              | 11.0            |
| 1928 | 105 927                 | 3.4              | 17 200                 | 0.6              | 123 127               | 4.0              | 338 210              | 10.9            |
| 1929 | 119 049                 | 3.8              | 16 100                 | 0.5              | 135 149               | 4.3              | 349 210              | 11.2            |
| 1930 | 119 632                 | 3.8              | 16 600                 | 0.5              | 136 232               | 4.3              | 339 900              | 10.8            |
| 1931 | 113 455                 | 3.5              | 27 200                 | 0.8              | 140 655               | 4.3              | 327 890              | 10.1            |
| 1932 | 103 589                 | 3.2              | 38 200                 | 1.2              | 141 789               | 4.4              | 301 630              | 9.3             |
| 1933 | 111 766                 | 3.4              | 45 000                 | 1.4              | 156 766               | 4.8              | 304 960              | 9.3             |
| 1934 | 125 700                 | 3.8              | 51 600                 | 1.5              | 177 300               | 5.3              | 322 540              | 9.7             |
| 1935 | 134 610                 | 4.0              | 55 800                 | 1.7              | 190 410               | 5.7              | 331 640              | 9.9             |
| 1936 | 153 169                 | 4.4              | 55 500                 | 1.6              | 208 669               | 6.0              | 355 240              | 10.3            |
| 1937 | 162 629                 | 4.7              | 46 300                 | 1.3              | 208 929               | 6.0              | 362 420              | 10.4            |
| 1938 | 163 761                 | 4.7              | 47 700                 | 1.4              | 211 461               | 6.0              | 364 120              | 10.4            |
| 1939 | 172 469                 | 4.9              | 47 800                 | 1.4              | 220 269               | 6.2              | 373 220              | 10.5            |
| 1940 | 180 664                 | 5.1              | 50 600                 | 1.4              | 231 264               | 6.5              | 382 240              | 10.7            |
| 1941 | 206 432                 | 5.7              | 39 100                 | 1.1              | 245 532               | 6.8              | 409 970              | 11.3            |
| 1942 | 235 841                 | 6.5              | 34 000                 | 0.9              | 269 841               | 7.4              | 435 280              | 11.9            |
| 1943 | 257 743                 | 7.0              | 30 800                 | 0.8              | 288 543               | 7.8              | 441 580              | 11.9            |
| 1944 | 239 287                 | 6.4              | 22 700                 | 0.6              | 261 987               | 7.0              | 413 750              | 11.0            |
| 1945 | 267 652                 | 7.1              | 37 600                 | 1.0              | 305 252               | 8.1              | 452 440              | 11.9            |
| 1946 | 321 475                 | 8.5              | 13 800                 | 0.4              | 335 275               | 8.9              | 485 310              | 12.8            |
| 1947 | 335 965                 | 8.7              | 14 900                 | 0.4              | 350 865               | 9.1              | 492 340              | 12.8            |
| 1948 | 348 731                 | 8.9              | 17 500                 | 0.4              | 366 231               | 9.3              | 507 450              | 12.9            |
| 1949 | 351 809                 | 8.8              | 18 000                 | 0.5              | 369 809               | 9.3              | 505 600              | 12.6            |
| 1950 | 360 199                 | 9.0              | 12 700                 | 0.3              | 372 899               | 9.3              | 511 990              | 12.7            |
| 1951 | 379 725                 | 9.4              | 14 300                 | 0.4              | 394 025               | 9.7              | 528 730              | 13.0            |
| 1952 | 394 109                 | 9.7              | 13 700                 | 0.3              | 407 809               | 10.0             | 542 400              | 13.3            |
| 1953 | 386 826                 | 9.4              | 12 400                 | 0.3              | 399 226               | 9.7              | 531 490              | 12.9            |
| 1954 | 368 725                 | 8.9              | 11 900                 | 0.3              | 380 625               | 9.1              | 509 920              | 12.2            |
| 1955 | 382 061                 | 9.1              | 11 700                 | 0.3              | 393 761               | 9.3              | 521 540              | 12.4            |
| 1956 | 393 154                 | 9.2              | 10 300                 | 0.2              | 403 454               | 9.4              | 526 630              | 12.3            |
| 1957 | 409 436                 | 9.5              | 10 800                 | 0.2              | 420 236               | 9.7              | 541 500              | 12.5            |
| 1958 | 436 354                 | 9.9              | 13 000                 | 0.3              | 449 354               | 10.2             | 570 180              | 13.0            |
| 1959 | 453 681                 | 10.2             | 13 600                 | 0.3              | 467 281               | 10.5             | 584 540              | 13.1            |
| 1960 | 470 136                 | 10.4             | 13 700                 | 0.3              | 483 836               | 10.7             | 588 190              | 13.0            |
| 1961 | 488 119                 | 10.7             | 13 400                 | 0.3              | 501 519               | 11.0             | 611 800              | 13.4            |
| 1962 | 494 463                 | 10.6             | 12 000                 | 0.3              | 506 463               | 10.9             | 608 520              | 13.1            |
| 1963 | 509 588                 | 10.8             | 11 800                 | 0.2              | 521 388               | 11.0             | 651 770              | 13.8            |
| 1964 | 497 447                 | 10.3             | 12 200                 | 0.3              | 509 647               | 10.6             | 648 920              | 13.5            |
| 1965 | 511 464                 | 10.5             | 11 200                 | 0.2              | 522 664               | 10.7             | 652 390              | 13.3            |
| 1966 | 522 533                 | 10.5             | 10 300                 | 0.2              | 532 833               | 10.7             | 641 120              | 12.9            |
| 1967 | 527 800                 | 10.5             | 11 700                 | 0.2              | 539 500               | 10.7             | 631 480              | 12.5            |
| 1968 | 523 008                 | 10.2             | 9 200                  | 0.2              | 532 208               | 10.4             | 628 190              | 12.3            |
| 1969 | 510 531                 | 9.8              | 10 400                 | 0.2              | 520 931               | 10.0             | 608 110              | 11.7            |
| 1970 | 532 769                 | 10.0             | 13 200                 | 0.2              | 545 969               | 10.3             | 612 290              | 11.5            |
| 1971 | 528 858                 | 9.7              | 12 000                 | 0.2              | 540 858               | 10.0             | 599 270              | 11.0            |
| 1972 | 551 017                 | 10.0             | 8 700                  | 0.2              | 559 717               | 10.1             | 626 720              | 11.3            |
| 1973 | 590 300                 | 10.5             | 9 800                  | 0.2              | 600 100               | 10.7             | 639 980              | 11.4            |
| 1974 | 599 000                 | 10.5             | 8 500                  | 0.1              | 607 500               | 10.6             | 641 660              | 11.2            |
| 1975 | 607 200                 | 10.3             | 6 600                  | 0.1              | 613 800               | 10.4             | 634 160              | 10.8            |
| 1976 | 613 500                 | 10.2             | 6 800                  | 0.1              | 620 300               | 10.4             | 615 380              | 10.3            |
| 1977 | 617 000                 | 10.1             | 3 900                  | 0.1              | 620 900               | 10.2             | 610 660              | 10.0            |
| 1978 | 616 000                 | 9.9              | 4 500                  | 0.1              | 620 500               | 10.0             | 595 310              | 9.6             |
| 1979 | 621 500                 | 9.8              | 4 600                  | 0.1              | 626 100               | 9.9              | 619 230              | 9.8             |

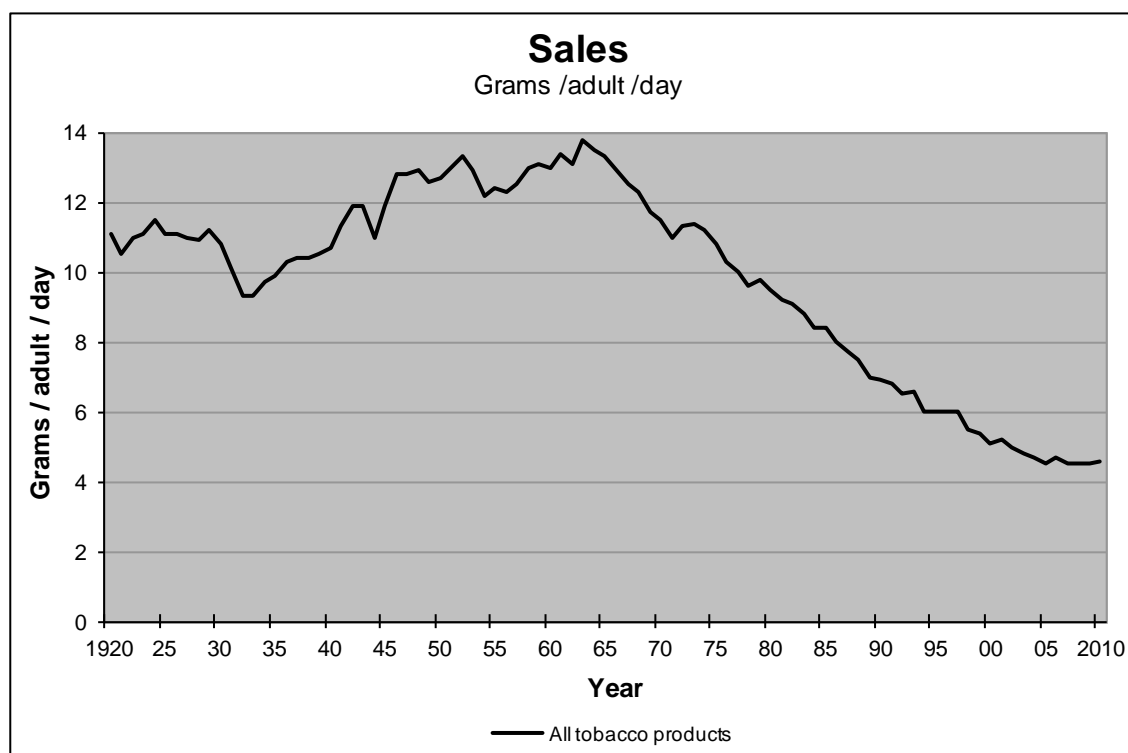
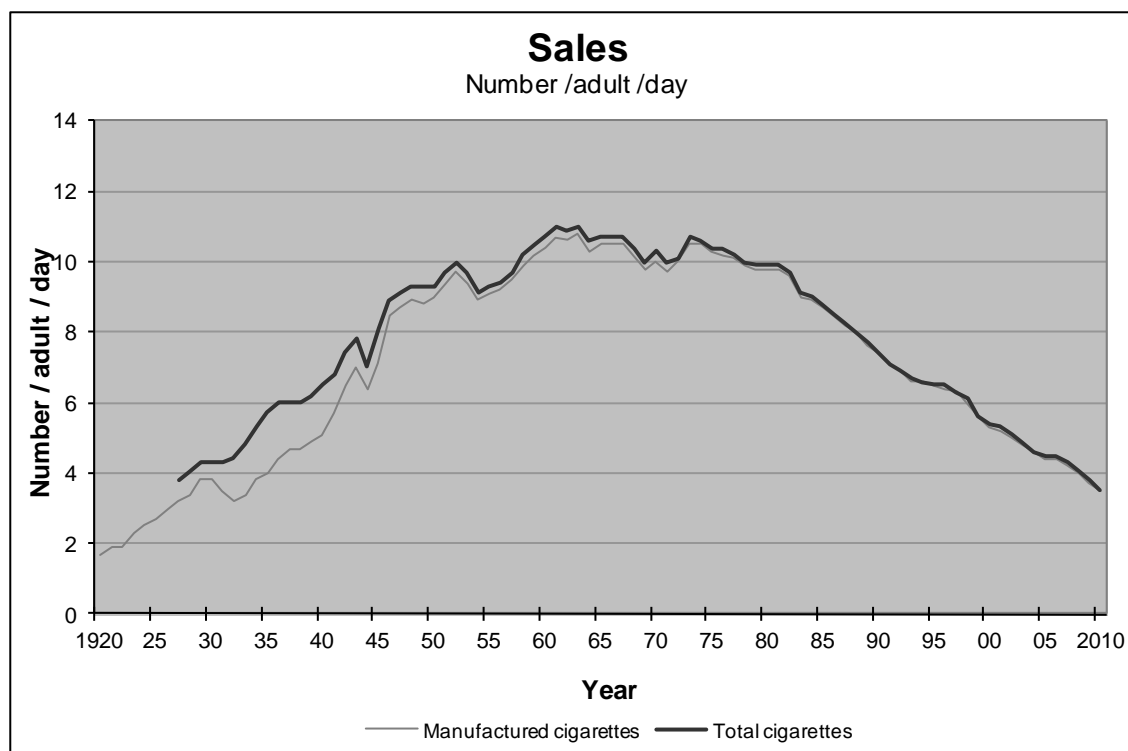
**Table 2** (continued)

| 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 |
| 1980               | 631 500                 | 9.8               | 4 400                  | 0.1               | 635 900               | 9.9               | 611 760              | 9.5              |
| 1981               | 640 000                 | 9.8               | 4 600                  | 0.1               | 644 600               | 9.9               | 600 620              | 9.2              |
| 1982               | 634 000                 | 9.6               | 4 700                  | 0.1               | 638 700               | 9.7               | 599 870              | 9.1              |
| 1983               | 600 000                 | 9.0               | 5 500                  | 0.1               | 605 500               | 9.1               | 586 480              | 8.8              |
| 1984               | 600 400                 | 8.9               | 5 600                  | 0.1               | 606 000               | 9.0               | 566 510              | 8.4              |
| 1985               | 594 000                 | 8.7               | 4 800                  | 0.1               | 598 800               | 8.8               | 569 660              | 8.4              |
| 1986               | 583 800                 | 8.5               | 4 500                  | 0.1               | 588 300               | 8.5               | 554 520              | 8.0              |
| 1987               | 575 000                 | 8.2               | 4 100                  | 0.1               | 579 100               | 8.3               | 536 070              | 7.7              |
| 1988               | 562 500                 | 8.0               | 3 600                  | 0.1               | 566 100               | 8.0               | 528 990              | 7.5              |
| 1989               | 540 000                 | 7.6               | 3 300                  | 0.0               | 543 300               | 7.7               | 495 690              | 7.0              |
| 1990               | 525 000                 | 7.4               | 3 000                  | 0.0               | 528 000               | 7.4               | 493 770              | 6.9              |
| 1991               | 510 000                 | 7.1               | 3 100                  | 0.0               | 513 100               | 7.1               | 489 840              | 6.8              |
| 1992               | 500 000                 | 6.9               | 3 400                  | 0.0               | 503 400               | 6.9               | 476 000              | 6.5              |
| 1993               | 485 000                 | 6.6               | 3 400                  | 0.0               | 488 400               | 6.7               | 486 280              | 6.6              |
| 1994               | 486 000                 | 6.6               | 3 400                  | 0.0               | 489 400               | 6.6               | 446 000              | 6.0              |
| 1995               | 487 000                 | 6.5               | 3 000                  | 0.0               | 490 000               | 6.5               | 447 770              | 6.0              |
| 1996               | 487 000                 | 6.4               | 3 100                  | 0.0               | 490 100               | 6.5               | 456 680              | 6.0              |
| 1997               | 480 000                 | 6.3               | 3 000                  | 0.0               | 483 000               | 6.3               | 457 270              | 6.0              |
| 1998               | 465 000                 | 6.0               | 3 800                  | 0.0               | 468 800               | 6.1               | 422 470              | 5.5              |
| 1999               | 435 000                 | 5.6               | 4 600                  | 0.1               | 439 600               | 5.6               | 419 010              | 5.4              |
| 2000               | 430 000                 | 5.3               | 4 900                  | 0.1               | 434 900               | 5.4               | 414 360              | 5.1              |
| 2001               | 425 000                 | 5.2               | 5 900                  | 0.1               | 430 900               | 5.3               | 422 660              | 5.2              |
| 2002               | 415 000                 | 5.0               | 6 600                  | 0.1               | 421 600               | 5.1               | 416 360              | 5.0              |
| 2003               | 400 000                 | 4.8               | 7 400                  | 0.1               | 407 400               | 4.9               | 403 660              | 4.8              |
| 2004               | 388 000                 | 4.6               | 6 600                  | 0.1               | 394 600               | 4.6               | 400 600              | 4.7              |
| 2005               | 376 000                 | 4.4               | 7 900                  | 0.1               | 383 900               | 4.5               | 390 370              | 4.5              |
| 2006/ <sup>1</sup> | 380 726                 | 4.4               | 6 799                  | 0.1               | 387 526               | 4.5               | 403 500              | 4.7              |
| 2007/ <sup>1</sup> | 361 665                 | 4.2               | 7 308                  | 0.1               | 368 974               | 4.3               | 391 144              | 4.5              |
| 2008/ <sup>1</sup> | 346 419                 | 4.0               | 8 397                  | 0.1               | 354 816               | 4.1               | 384 644              | 4.5              |
| 2009/ <sup>1</sup> | 318 029                 | 3.7               | 4 703                  | 0.1               | 322 733               | 3.8               | 387 426              | 4.5              |
| 2010/ <sup>1</sup> | 300 451                 | 3.5               | 2 481                  | 0.0               | 302 932               | 3.5               | 394 746              | 4.6              |

<sup>1</sup> Per adult data based on 2005 population

Source: Manufactured cigarettes and all tobacco products, Tables 1.1, 1.2 and 1.3. Hand-rolled cigarettes, see *Notes on sources of sales data: Estimates of number of hand-rolled cigarettes*, p.47. 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 3** Manufactured cigarettes: percentage of total sales as filter cigarettes, and as menthol cigarettes; sales-weighted average machine yield per cigarette of tar (SWAT) and nicotine (SWAN)

| Year | Filter % | Menthol % | SWAT mg/cig | SWAN mg/cig |
|------|----------|-----------|-------------|-------------|
| 1946 | 0.1      |           |             |             |
| 1947 | 0.2      |           |             |             |
| 1948 | 0.3      |           |             |             |
| 1949 | 0.3      |           |             |             |
| 1950 | 0.6      |           |             |             |
| 1951 | 0.7      |           |             |             |
| 1952 | 1.3      |           |             |             |
| 1953 | 2.9      |           |             |             |
| 1954 | 9.2      |           | 37          | 2.6         |
| 1955 | 18.7     |           | 38          | 2.7         |
| 1956 | 27.6     |           | 34          | 2.7         |
| 1957 | 38.1     |           | 35          | 2.5         |
| 1958 | 45.3     |           | 31          | 2.0         |
| 1959 | 48.7     |           | 29          | 1.8         |
| 1960 | 50.9     |           | 27          | 1.6         |
| 1961 | 52.5     |           | 26          | 1.6         |
| 1962 | 54.6     |           | 26          | 1.5         |
| 1963 | 58.0     | 16        | 25          | 1.4         |
| 1964 | 60.9     | 16        | 23          | 1.3         |
| 1965 | 64.4     | 18        | 22          | 1.4         |
| 1966 | 68.3     | 19        | 23          | 1.5         |
| 1967 | 72.4     | 20        | 21          | 1.4         |
| 1968 | 74.9     | 21        | 21.6        | 1.35        |
| 1969 | 77.5     | 22        | 20.7        | 1.38        |
| 1970 | 80.1     | 23        | 20.0        | 1.31        |
| 1971 | 82.4     | 24        | 20.2        | 1.32        |
| 1972 | 83.7     | 24        | 19.9        | 1.39        |
| 1973 | 85.4     | 25        | 19.3        | 1.32        |
| 1974 | 86.7     | 27        | 18.4        | 1.24        |
| 1975 | 87.7     | 27        | 18.6        | 1.21        |
| 1976 | 88.5     | 28        | 18.1        | 1.16        |
| 1977 | 89.4     | 28        | 16.8        | 1.12        |
| 1978 | 90.9     | 28        | 16.1        | 1.11        |
| 1979 | 91.8     | 29        | 15.1        | 1.07        |
| 1980 | 92.5     | 28        | 14.1        | 1.04        |
| 1981 | 92.7     | 28        | 13.2        | 0.92        |
| 1982 | 93.2     | 29        | 13.5        | 0.89        |
| 1983 | 93.6     | 28        | 13.4        | 0.88        |
| 1984 | 94.2     | 28        | 13.0        | 0.89        |
| 1985 | 94.6     | 28        | 13.0        | 0.95        |
| 1986 | 95.0     | 28        | 13.4        | 0.93        |
| 1987 | 95.7     | 28        | 13.3        | 0.94        |
| 1988 | 96.0     | 28        | 13.3        | 0.94        |
| 1989 | 96.5     | 27        | 13.1        | 0.96        |
| 1990 | 96.8     | 26        | 12.5        | 0.93        |
| 1991 | 97.2     | 27        | 12.6        | 0.94        |
| 1992 | 97.5     | 26        | 12.4        | 0.92        |
| 1993 | 97.7     | 26        | 12.4        | 0.90        |
| 1994 | 97.9     | 25        | 12.1        | 0.90        |
| 1995 | 98.2     | 25        | 12.0        | 0.87        |
| 1996 | 98.0     | 25        | 12.0        | 0.88        |
| 1997 | 98.3     | 25        | 12.0        | 0.89        |
| 1998 | 98.3     | 26        | 12.0        | 0.88        |
| 1999 | 98.7     | 26        |             |             |
| 2000 | 98.7     | 26        |             |             |
| 2001 | 98.9     | 26        |             |             |
| 2002 | 99.0     | 27        |             |             |
| 2003 | 98.9     | 27        |             |             |
| 2004 | 98.9     |           |             |             |
| 2005 | 99.2     |           |             |             |

Source: see *Notes on sources of sales data: Plain/Filter cigarette sales*, p. 48, *Menthol cigarette sales*, p. 48 and *Tar and nicotine machine yield of cigarettes*, p. 48

**Table 4M** Prevalence of smoking, males: selected surveys by age  
(continues on p. 20)

| Year | Source | Product | Frequency | Age Groups |    |    |    |    |    |    |    |          |          |          |          |          |          |          |          |          |          |          |          | All<br>ages |     |    |    |    |    |  |    |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|-----|----|----|----|----|--|----|
|      |        |         |           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20<br>24 | 25<br>29 | 30<br>34 | 35<br>39 | 40<br>44 | 45<br>49 | 50<br>54 | 55<br>59 | 60<br>64 | 65<br>69 | 70<br>74 | 75<br>79 |             | 80+ |    |    |    |    |  |    |
| 35   | 11     | UC      | U         |            |    |    |    |    | 66 |    |    |          |          | 40       |          |          |          |          |          |          |          |          |          | 53          |     |    |    |    |    |  |    |
| 44   | 5      | UC      | U         |            |    |    |    |    | 48 |    |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     |    |    |    |    |  |    |
| 47   | 10     | UC      | A         |            |    |    |    |    | 75 |    |    | 74       |          |          | 66       |          |          | 59       |          |          | 30       |          |          |             | 64  |    |    |    |    |  |    |
| 47   | 10     | A       | A         |            |    |    |    |    | 78 |    |    | 79       |          |          | 81       |          |          | 76       |          |          | 59       |          |          |             | 76  |    |    |    |    |  |    |
| 49   | 5      | UC      | U         |            |    |    |    |    | 54 |    |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     |    |    |    |    |  |    |
| 55   | 4      | UC      | R         |            |    |    |    |    | 48 |    |    | 60       |          |          | 58       |          |          | 54       |          |          | 41       |          |          | 22          |     | 50 |    |    |    |  |    |
| 55   | 4      | UC      | A         |            |    |    |    |    | 53 |    |    | 64       |          |          | 62       |          |          | 58       |          |          | 46       |          |          | 26          |     | 54 |    |    |    |  |    |
| 58   | 13     | UC      | R         |            | 15 | 25 | 31 | 35 |    |    |    |          |          |          |          |          |          |          |          |          |          |          |          | 26          |     |    |    |    |    |  |    |
| 58   | 13     | UC      | A         |            | 18 | 30 | 36 | 40 |    |    |    |          |          |          |          |          |          |          |          |          |          |          |          | 30          |     |    |    |    |    |  |    |
| 59   | 9      | UC      | R         |            |    |    |    |    |    |    |    |          |          | 60       | 58       | 57       | 55       | 51       | 46       | 39       | 32       | 25       | 18       | 13          | 46  |    |    |    |    |  |    |
| 59   | 9*     | UC      | R         |            |    |    |    |    |    |    |    |          |          | 59       |          |          | 55       |          |          | 50       |          |          | 36       |             |     | 23 |    | 10 | 47 |  |    |
| 59   | 9*     | A       | R         |            |    |    |    |    |    |    |    |          |          | 67       |          |          | 65       |          |          | 61       |          |          | 52       |             |     | 41 |    | 33 | 59 |  |    |
| 59   | 9*     | A       | A         |            |    |    |    |    |    |    |    |          |          | 67       |          |          | 65       |          |          | 61       |          |          | 53       |             |     | 43 |    | 34 | 59 |  |    |
| 59   | 14     | UC      | A         | 7          | 15 | 20 | 38 | 46 | 46 |    |    |          |          |          |          |          |          |          |          |          |          |          |          |             | 27  |    |    |    |    |  |    |
| 64   | 3      | UC      | U         |            |    |    |    |    | 67 | 60 |    |          | 60       |          |          | 53       |          |          | 51       |          |          | 30       |          |             |     | 53 |    |    |    |  |    |
| 65   | 1      | UC      | U         |            |    |    |    |    | 54 |    |    | 61       |          |          | 58       |          |          | 56       |          |          | 47       |          |          | 33          |     | 21 |    | 52 |    |  |    |
| 65   | 9      | UC      | R         |            |    |    |    |    |    |    |    |          |          | 49       | 47       | 46       | 43       | 39       | 33       | 26       | 20       | 15       | 10       | 36          |     |    |    |    |    |  |    |
| 66   | 1      | UC      | U         |            |    |    |    |    | 54 |    |    | *        |          |          |          |          |          |          |          |          |          |          |          |             |     |    | 53 |    |    |  |    |
| 66   | 3      | UC      | U         |            |    |    |    |    | 62 | 60 |    |          | 59       |          |          | 54       |          |          | 48       |          |          | 28       |          |             |     | 52 |    |    |    |  |    |
| 66   | 4      | UC      | R         |            |    |    |    |    | 48 |    |    | 59       |          |          | 57       |          |          | 53       |          |          | 46       |          |          | 24          |     |    |    | 49 |    |  |    |
| 66   | 4      | UC      | A         |            |    |    |    |    | 48 |    |    | 59       |          |          | 57       |          |          | 53       |          |          | 46       |          |          | 25          |     |    |    | 49 |    |  |    |
| 67   | 4      | UC      | U         |            |    |    |    |    | 44 |    |    | 56       |          |          | 50       |          |          | 26       |          |          |          |          |          |             | 48  |    |    |    |    |  |    |
| 68   | 4      | UC      | U         |            |    |    |    |    | 41 |    |    | 55       |          |          | 47       |          |          | 25       |          |          |          |          |          |             | 46  |    |    |    |    |  |    |
| 68   | 20     | UC      | *         | 0          | 1  | 4  | 11 | 17 | 20 | 31 |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     | 12 |    |    |    |  |    |
| 68   | 20     | UC      | R         | 1          | 2  | 6  | 14 | 20 | 26 | 36 |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     | 15 |    |    |    |  |    |
| 68   | 20     | UC      | A         | 2          | 3  | 8  | 15 | 23 | 30 | 39 |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     | 17 |    |    |    |  |    |
| 70   | 1      | UC      | U         |            |    |    |    |    | 44 |    |    | *        |          |          |          |          |          |          |          |          |          |          |          |             |     |    | 44 |    |    |  |    |
| 70   | 3      | UC      | U         |            |    |    |    |    | 50 | 47 |    |          | 49       |          |          | 43       |          |          | 37       |          |          | 23       |          |             |     | 42 |    |    |    |  |    |
| 70   | 20     | UC      | *         | 2          | 3  | 6  | 11 | 16 | 23 | 35 |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     | 14 |    |    |    |  |    |
| 70   | 20     | UC      | R         | 2          | 4  | 11 | 17 | 22 | 32 | 43 |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     | 19 |    |    |    |  |    |
| 70   | 20     | UC      | A         | 2          | 4  | 11 | 17 | 23 | 33 | 43 |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     | 19 |    |    |    |  |    |
| 72   | 20     | UC      | *         | 0          | 4  | 6  | 12 | 14 | 23 | 30 |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     | 13 |    |    |    |  |    |
| 72   | 20     | UC      | R         | 1          | 5  | 8  | 18 | 18 | 28 | 33 |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     | 16 |    |    |    |  |    |
| 72   | 20     | UC      | A         | 1          | 5  | 10 | 20 | 19 | 29 | 34 |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     | 17 |    |    |    |  |    |
| 74   | 1      | UC      | U         |            |    |    |    |    | 37 | 44 | 51 |          |          |          |          | 43       |          |          |          |          | 25       |          |          |             |     | 43 |    |    |    |  |    |
| 74   | 1      | UC      | U         |            |    |    |    |    | 42 |    |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     |    |    |    |    |  |    |
| 74   | 6      | UC      | A         |            |    |    |    |    | 48 |    |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     |    |    |    |    |  |    |
| 74   | 20     | UC      | *         | 4          |    |    | 16 |    |    | 29 |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     |    |    | 14 |    |  |    |
| 74   | 20     | UC      | R         | 4          |    |    | 18 |    |    | 31 |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     |    |    | 16 |    |  |    |
| 74   | 20     | UC      | A         | 4          |    |    | 18 |    |    | 33 |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     |    |    | 16 |    |  |    |
| 75   | 3      | UC      | U         |            |    |    |    |    | 41 | 44 | 47 |          |          |          |          | 41       |          |          |          |          | 34       |          |          |             |     | 24 |    |    |    |  | 41 |
| 75   | 3      | A*      | A         |            |    |    |    |    |    |    |    |          |          |          |          |          |          |          | 54       |          |          |          |          |             |     |    |    |    |    |  |    |
| 75   | 15     | UC      | R         |            |    |    |    |    | 27 |    |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     |    |    |    |    |  |    |
| 75   | 15     | UC      | A         |            |    |    |    |    | 37 |    |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     |    |    |    |    |  |    |
| 76   | 1      | UC      | U         |            |    |    |    |    | 46 | 49 | 48 |          |          |          |          | 41       |          |          |          |          | 23       |          |          |             |     | 42 |    |    |    |  |    |
| 76   | 6      | UC      | A         |            |    |    |    |    | 35 |    |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     |    |    |    |    |  |    |
| 76   | 15     | UC      | R         |            |    |    |    |    | 28 |    |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     |    |    |    |    |  |    |
| 76   | 15     | UC      | A         |            |    |    |    |    | 38 |    |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     |    |    |    |    |  |    |
| 77   | 1      | UC      | U         |            |    |    |    |    | 40 | 48 |    |          |          |          | 41       |          |          |          |          | 23       |          |          |          |             | 41  |    |    |    |    |  |    |
| 77   | 6      | UC      | A         |            |    |    |    |    | 39 |    |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     |    |    |    |    |  |    |
| 77   | 15     | UC      | R         |            |    |    |    |    | 27 |    |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     |    |    |    |    |  |    |
| 77   | 15     | UC      | A         |            |    |    |    |    | 37 |    |    |          |          |          |          |          |          |          |          |          |          |          |          |             |     |    |    |    |    |  |    |

**Table 4F** Prevalence of smoking, females: selected surveys by age  
(continues on p. 21)

| Year | Source | Product | Frequency | Age Groups |    |    |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |         | All<br>ages |     |    |  |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|-----|----|--|
|      |        |         |           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20<br>- | 25<br>- | 30<br>- | 35<br>- | 40<br>- | 45<br>- | 50<br>- | 55<br>- | 60<br>- | 65<br>- | 70<br>- | 75<br>- |             | 80+ |    |  |
| 35   | 11     | UC      | U         |            |    |    |    |    | 26 |    |    |         |         | 9       |         |         |         |         |         |         |         |         |         | 18          |     |    |  |
| 44   | 5      | UC      | U         |            |    |    |    |    | 36 |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |    |  |
| 47   | 10     | UC      | A         |            |    |    |    |    | 41 |    | 43 |         | 27      |         | 16      |         | 8       |         |         |         |         | 29      |         |             |     |    |  |
| 47   | 10     | A       | A         |            |    |    |    |    | 41 |    | 43 |         | 27      |         | 16      |         | 8       |         |         |         |         | 29      |         |             |     |    |  |
| 49   | 5      | UC      | U         |            |    |    |    |    | 33 |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |    |  |
| 55   | 4      | UC      | R         |            |    |    |    |    | 28 |    | 34 |         | 31      |         | 22      |         | 11      |         | 3       |         |         |         |         | 24          |     |    |  |
| 55   | 4      | UC      | A         |            |    |    |    |    | 33 |    | 39 |         | 35      |         | 26      |         | 13      |         | 5       |         |         |         |         | 27          |     |    |  |
| 58   | 13     | UC      | R         |            | 5  | 11 | 16 | 26 |    |    |    |         |         |         |         |         |         |         |         |         |         |         |         | 14          |     |    |  |
| 58   | 13     | UC      | A         |            | 6  | 13 | 20 | 31 |    |    |    |         |         |         |         |         |         |         |         |         |         |         |         | 17          |     |    |  |
| 59   | 9      | UC      | R         |            |    |    |    |    |    |    |    |         |         | 44      | 42      | 40      | 37      | 30      | 22      | 15      | 11      | 7       | 5       | 3           | 28  |    |  |
| 59   | 9*     | UC      | R         |            |    |    |    |    |    |    |    |         |         | 42      | 37      | 26      | 13      | 7       | 3       | 27      |         |         |         |             |     |    |  |
| 59   | 9*     | A       | R         |            |    |    |    |    |    |    |    |         |         | 42      | 37      | 26      | 13      | 7       | 3       | 27      |         |         |         |             |     |    |  |
| 59   | 9*     | A       | A         |            |    |    |    |    |    |    |    |         |         | 43      | 39      | 27      | 14      | 8       | 3       | 28      |         |         |         |             |     |    |  |
| 59   | 14     | UC      | A         | 1          | 5  | 11 | 28 | 42 | 55 |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             | 21  |    |  |
| 64   | 3      | UC      | U         |            |    |    |    |    |    |    | 42 | 41      | 39      | 36      | 21      | 8       |         |         |         |         | 32      |         |         |             |     |    |  |
| 65   | 1      | UC      | U         |            |    |    |    |    |    |    | 38 | 44      | 44      | 37      | 25      | 12      | 5       |         |         | 34      |         |         |         |             |     |    |  |
| 65   | 9      | UC      | R         |            |    |    |    |    |    |    |    |         |         | 38      | 36      | 34      | 31      | 23      | 16      | 10      | 7       | 5       | 3       | 23          |     |    |  |
| 66   | 1      | UC      | U         |            |    |    |    |    | 37 |    |    | *       |         |         |         |         |         |         |         |         |         |         |         | 34          |     |    |  |
| 66   | 3      | UC      | U         |            |    |    |    |    | 49 | 45 | 41 | 42      | 21      | 8       |         |         |         |         | 34      |         |         |         |         |             |     |    |  |
| 66   | 4      | UC      | R         |            |    |    |    |    | 34 | 43 | 41 | 37      | 23      | 8       |         |         |         |         | 32      |         |         |         |         |             |     |    |  |
| 66   | 4      | UC      | A         |            |    |    |    |    | 35 | 43 | 41 | 37      | 23      | 8       |         |         |         |         | 32      |         |         |         |         |             |     |    |  |
| 67   | 4      | UC      | U         |            |    |    |    |    | 31 |    |    | 41      |         |         |         | 31      |         |         |         | 9       |         |         |         | 31          |     |    |  |
| 68   | 4      | UC      | U         |            |    |    |    |    | 29 |    |    | 40      |         |         |         | 31      |         |         |         | 10      |         |         |         | 31          |     |    |  |
| 68   | 20     | UC      | *         | 0          | 1  | 1  | 6  | 8  | 12 | 17 |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     | 6  |  |
| 68   | 20     | UC      | R         | 0          | 1  | 1  | 7  | 12 | 16 | 21 |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     | 8  |  |
| 68   | 20     | UC      | A         | 1          | 1  | 3  | 10 | 14 | 19 | 23 |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     | 10 |  |
| 70   | 1      | UC      | U         |            |    |    |    |    | 33 |    |    | *       |         |         |         |         |         |         |         |         |         |         |         | 32          |     |    |  |
| 70   | 3      | UC      | U         |            |    |    |    |    |    |    | 32 | 40      | 39      | 36      | 24      | 10      |         |         |         |         | 31      |         |         |             |     |    |  |
| 70   | 20     | UC      | *         | 1          | 1  | 5  | 8  | 12 | 14 | 23 |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     | 9  |  |
| 70   | 20     | UC      | R         | 1          | 2  | 6  | 12 | 16 | 18 | 28 |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     | 12 |  |
| 70   | 20     | UC      | A         | 1          | 2  | 8  | 12 | 17 | 18 | 30 |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     | 13 |  |
| 72   | 20     | UC      | *         | 0          | 3  | 3  | 12 | 14 | 23 | 22 |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     | 11 |  |
| 72   | 20     | UC      | R         | 1          | 4  | 4  | 13 | 20 | 26 | 25 |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     | 13 |  |
| 72   | 20     | UC      | A         | 1          | 4  | 4  | 13 | 20 | 26 | 25 |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     | 13 |  |
| 74   | 1      | UC      | U         |            |    |    |    |    | 31 | 35 | 39 |         |         |         | 34      |         |         |         | 12      |         |         |         | 32      |             |     |    |  |
| 74   | 1      | UC      | U         |            |    |    |    |    | 34 |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |    |  |
| 74   | 6      | UC      | A         |            |    |    |    | 39 |    |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |    |  |
| 74   | 20     | UC      | *         | 4          |    |    | 19 |    | 24 |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             | 14  |    |  |
| 74   | 20     | UC      | R         | 5          |    |    | 20 |    | 26 |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             | 15  |    |  |
| 74   | 20     | UC      | A         | 5          |    |    | 22 |    | 26 |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             | 16  |    |  |
| 75   | 3      | UC      | U         |            |    |    |    |    |    |    | 40 | 35      | 36      | 33      | 26      | 10      |         |         |         |         | 31      |         |         |             |     |    |  |
| 75   | 3      | A*      | A         |            |    |    |    |    | 33 |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |    |  |
| 75   | 15     | UC      | R         |            |    |    |    |    | 26 |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |    |  |
| 75   | 15     | UC      | A         |            |    |    |    |    | 36 |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |    |  |
| 76   | 1      | UC      | U         |            |    |    |    |    |    |    | 34 | 38      | 38      | 35      |         |         |         | 13      |         |         |         |         | 33      |             |     |    |  |
| 76   | 6      | UC      | A         |            |    |    |    |    | 52 |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |    |  |
| 76   | 15     | UC      | R         |            |    |    |    |    | 29 |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |    |  |
| 76   | 15     | UC      | A         |            |    |    |    |    | 39 |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |    |  |
| 77   | 1      | UC      | U         |            |    |    |    |    |    |    | 37 | 38      |         |         |         | 34      |         |         |         | 13      |         |         |         |             | 31  |    |  |
| 77   | 6      | UC      | A         |            |    |    |    |    | 47 |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |    |  |
| 77   | 15     | UC      | R         |            |    |    |    |    | 30 |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |    |  |
| 77   | 15     | UC      | A         |            |    |    |    |    | 40 |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |    |  |

**Table 4M** (continued from p. 18, continues on p. 22)  
Prevalence of smoking, males

| Year | Source | Product | Frequency | Age Groups |    |    |    |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |    | All<br>ages |         |    |         |    |         |    |         |    |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|-------------|---------|----|---------|----|---------|----|---------|----|
|      |        |         |           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20<br>- | 24 | 25<br>- | 29 | 30<br>- | 34 | 35<br>- | 39 | 40<br>- | 44 | 45<br>- | 49 |             | 50<br>- | 54 | 55<br>- | 59 | 60<br>- | 64 | 65<br>- | 69 |
| 78   | 1      | UC      | U         |            |    |    |    |    |    |    | 31 | 39      | 42 |         |    |         |    | 41      |    |         |    |         | 23 |             |         |    |         | 38 |         |    |         |    |
| 78   | 1      | UC      | U         |            |    |    |    |    |    |    | 36 |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 78   | 15     | UC      | R         |            |    |    |    |    | 26 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 78   | 15     | UC      | A         |            |    |    |    |    | 35 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 79   | 1      | UC      | U         |            |    |    |    |    |    |    | 30 | 38      | 44 |         |    |         |    | 40      |    |         |    |         | 21 |             |         |    |         | 38 |         |    |         |    |
| 79   | 1      | UC      | U         |            |    |    |    |    |    |    | 35 |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 79   | 7      | UC      | R         | 11         |    |    |    |    | 42 |    | 43 |         | 49 |         |    |         | 26 |         |    |         |    |         |    |             | 35      |    |         |    |         |    |         |    |
| 79   | 7      | UC      | A         | 13         |    |    |    |    | 45 |    | 45 |         | 51 |         |    |         | 30 |         |    |         |    |         |    |             | 38      |    |         |    |         |    |         |    |
| 79   | 8      | UC      | R         |            |    |    |    |    |    |    |    | 34      |    |         |    | 44      |    |         | 35 |         |    | 26      |    |             |         |    |         |    | 36      |    |         |    |
| 79   | 8      | A       | A         |            |    |    |    |    |    |    |    | 34      |    |         |    | 47      |    |         | 36 |         |    | 26      |    |             |         |    |         |    | 38      |    |         |    |
| 79   | 15     | UC      | R         |            |    |    |    |    | 22 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 79   | 15     | UC      | A         |            |    |    |    |    | 31 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 79   | 20     | UC      | *         | 2          |    | 13 |    | 17 |    |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             | 10      |    |         |    |         |    |         |    |
| 79   | 20     | UC      | R         | 3          |    | 14 |    | 19 |    |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             | 11      |    |         |    |         |    |         |    |
| 79   | 20     | UC      | A         | 3          |    | 15 |    | 20 |    |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             | 11      |    |         |    |         |    |         |    |
| 80   | 1      | UC      | U         |            |    |    |    |    |    |    | 25 | 40      | 43 |         |    | 43      |    |         | 41 |         |    |         |    | 18          |         |    |         |    | 38      |    |         |    |
| 80   | 1      | UC      | U         |            |    |    |    |    |    |    | 35 |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 80   | 15     | UC      | R         |            |    |    |    |    | 19 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 80   | 15     | UC      | A         |            |    |    |    |    | 27 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 81   | 15     | UC      | R         |            |    |    |    |    | 18 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 81   | 15     | UC      | A         |            |    |    |    |    | 27 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 82   | 7      | UC      | R         | 13         |    |    |    |    | 34 |    |    | 43      |    | 44      |    |         |    | 32      |    |         |    |         |    |             |         | 34 |         |    |         |    |         |    |
| 82   | 7      | UC      | A         | 17         |    |    |    |    | 39 |    |    | 47      |    | 50      |    |         |    | 35      |    |         |    |         |    |             |         | 39 |         |    |         |    |         |    |
| 82   | 9      | UC      | R         |            |    |    |    |    |    |    |    | 33      |    | 34      | 32 | 29      | 27 | 25      | 21 | 19      | 15 | 11      | 8  | 25          |         |    |         |    |         |    |         |    |
| 82   | 12     | UC      | U         |            |    |    |    |    |    |    | 34 |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 82   | 15     | UC      | R         |            |    |    |    |    | 18 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 82   | 15     | UC      | A         |            |    |    |    |    | 27 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 83   | 1      | UC      | U         |            |    |    |    |    |    |    | 23 | 37      | 40 |         |    |         |    | 36      |    |         |    |         | 22 |             |         |    |         | 35 |         |    |         |    |
| 83   | 1      | UC      | U         |            |    |    |    |    |    |    | 33 |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 83   | 15     | UC      | R         |            |    |    |    |    | 19 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 83   | 15     | UC      | A         |            |    |    |    |    | 28 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 84   | 15     | UC      | R         |            |    |    |    |    | 16 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 84   | 15     | UC      | A         |            |    |    |    |    | 26 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 85   | 1      | UC      | U         |            |    |    |    |    |    |    | 20 | 31      | 38 |         |    | 38      |    |         | 33 |         |    |         |    | 20          |         |    |         |    | 33      |    |         |    |
| 85   | 1      | UC      | U         |            |    |    |    |    |    |    | 28 |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 85   | 4      | UC      | A         |            |    |    |    | 16 |    |    | 33 |         |    | 37      |    |         | 38 |         |    | 35      |    |         | 27 |             |         | 16 |         |    |         | 31 |         |    |
| 85   | 4      | A*      | U         |            |    |    |    |    |    |    |    | 40      |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 85   | 7      | UC      | R         | 12         |    |    |    |    | 35 |    |    | 42      |    | 32      |    |         |    |         |    |         |    | 32      |    |             |         |    |         |    |         |    |         |    |
| 85   | 7      | UC      | A         | 16         |    |    |    |    | 38 |    |    | 46      |    | 35      |    |         |    |         |    |         |    | 35      |    |             |         |    |         |    |         |    |         |    |
| 85   | 8      | UC      | R         |            |    |    |    |    |    |    |    | 27      |    |         |    | 24      |    |         | 23 |         |    | 14      |    |             |         |    |         |    | 21      |    |         |    |
| 85   | 8*     | UC      | A         |            |    |    |    |    |    |    |    | 28      |    |         |    | 25      |    |         | 23 |         |    | 14      |    |             |         |    |         |    | 21      |    |         |    |
| 85   | 8      | A       | A         |            |    |    |    |    |    |    |    | 29      |    |         |    | 29      |    |         | 28 |         |    | 20      |    |             |         |    |         |    | 26      |    |         |    |
| 85   | 15     | UC      | R         |            |    |    |    |    | 18 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 85   | 15     | UC      | A         |            |    |    |    |    | 28 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 86   | 3      | UC      | U         |            |    |    |    |    |    |    | 24 |         |    | 34      |    | 37      |    |         | 31 |         |    |         |    | 17          |         |    |         |    | 30      |    |         |    |
| 86   | 3      | A*      | A         |            |    |    |    |    |    |    | 38 |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 86   | 15     | UC      | R         |            |    |    |    |    | 17 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 86   | 15     | UC      | A         |            |    |    |    |    | 28 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 87   | 1      | UC      | U         |            |    |    |    |    |    |    | 22 | 31      | 36 |         |    |         |    | 33      |    |         |    |         | 17 |             |         |    |         | 31 |         |    |         |    |
| 87   | 1      | UC      | U         |            |    |    |    |    |    |    | 28 |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 87   | 15     | UC      | R         |            |    |    |    |    | 16 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 87   | 15     | UC      | A         |            |    |    |    |    | 27 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |

**Table 4F** (continued from p. 19, continues on p. 23)  
Prevalence of smoking, females

| Year | Source | Product | Frequency | Age Groups |    |    |    |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         | All<br>ages |    |         |    |         |    |         |    |         |    |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|-------------|----|---------|----|---------|----|---------|----|---------|----|
|      |        |         |           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20<br>- | 24 | 25<br>- | 29 | 30<br>- | 34 | 35<br>- | 39 | 40<br>- | 44 | 45<br>- |             | 49 | 50<br>- | 54 | 55<br>- | 59 | 60<br>- | 64 | 65<br>- | 69 |
| 78   | 1      | UC      | U         |            |    |    |    |    |    |    | 34 | 33      | 36 |         |    |         |    | 34      |    |         |    |         | 12          |    |         |    |         | 31 |         |    |         |    |
| 78   | 1      | UC      | U         |            |    |    |    |    |    |    | 33 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 78   | 15     | UC      | R         |            |    |    |    |    | 28 |    |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 78   | 15     | UC      | A         |            |    |    |    |    | 38 |    |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 79   | 1      | UC      | U         |            |    |    |    |    |    |    | 34 | 34      | 35 |         |    |         |    | 31      |    |         |    |         | 13          |    |         |    |         | 30 |         |    |         |    |
| 79   | 1      | UC      | U         |            |    |    |    |    |    |    | 34 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 79   | 7      | UC      | R         | 10         |    |    |    |    |    |    | 39 |         | 38 |         | 40 |         |    | 23      |    |         |    |         |             |    | 31      |    |         |    |         |    |         |    |
| 79   | 7      | UC      | A         | 12         |    |    |    |    |    |    | 40 |         | 39 |         | 42 |         |    | 24      |    |         |    |         |             |    | 32      |    |         |    |         |    |         |    |
| 79   | 8      | UC      | R         |            |    |    |    |    |    |    |    |         |    | 32      |    |         | 41 |         | 31 |         | 28 |         |             |    |         |    |         | 34 |         |    |         |    |
| 79   | 8      | A       | A         |            |    |    |    |    |    |    |    |         |    | 31      |    |         | 41 |         | 32 |         | 25 |         |             |    |         |    |         | 34 |         |    |         |    |
| 79   | 15     | UC      | R         |            |    |    |    |    |    |    | 28 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 79   | 15     | UC      | A         |            |    |    |    |    |    |    | 37 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 79   | 20     | UC      | *         | 4          |    | 11 |    | 24 |    |    |    |         |    |         |    |         |    |         |    |         |    |         | 12          |    |         |    |         |    |         |    |         |    |
| 79   | 20     | UC      | R         | 4          |    | 12 |    | 26 |    |    |    |         |    |         |    |         |    |         |    |         |    |         | 13          |    |         |    |         |    |         |    |         |    |
| 79   | 20     | UC      | A         | 4          |    | 12 |    | 27 |    |    |    |         |    |         |    |         |    |         |    |         |    |         | 13          |    |         |    |         |    |         |    |         |    |
| 80   | 1      | UC      | U         |            |    |    |    |    |    |    | 28 | 33      | 32 |         |    | 35      |    |         | 31 |         |    |         |             | 17 |         |    |         |    | 29      |    |         |    |
| 80   | 1      | UC      | U         |            |    |    |    |    |    |    | 31 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 80   | 15     | UC      | R         |            |    |    |    |    |    |    | 24 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 80   | 15     | UC      | A         |            |    |    |    |    |    |    | 33 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 81   | 15     | UC      | R         |            |    |    |    |    |    |    | 22 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 81   | 15     | UC      | A         |            |    |    |    |    |    |    | 32 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 82   | 7      | UC      | R         | 10         |    |    |    |    |    |    | 37 |         |    | 38      |    | 35      |    |         | 18 |         |    |         |             |    |         | 27 |         |    |         |    |         |    |
| 82   | 7      | UC      | A         | 13         |    |    |    |    |    |    | 41 |         |    | 42      |    | 39      |    |         | 20 |         |    |         |             |    |         | 30 |         |    |         |    |         |    |
| 82   | 9      | UC      | R         |            |    |    |    |    |    |    |    |         |    | 26      |    | 27      | 25 | 25      | 23 | 22      | 19 | 16      | 12          | 8  | 4       | 21 |         |    |         |    |         |    |
| 82   | 12     | UC      | U         |            |    |    |    |    |    |    | 29 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 82   | 15     | UC      | R         |            |    |    |    |    |    |    | 23 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 82   | 15     | UC      | A         |            |    |    |    |    |    |    | 33 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 83   | 1      | UC      | U         |            |    |    |    |    |    |    | 31 | 37      | 33 |         |    |         |    | 31      |    |         |    |         | 13          |    |         |    |         | 30 |         |    |         |    |
| 83   | 1      | UC      | U         |            |    |    |    |    |    |    | 36 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 83   | 15     | UC      | R         |            |    |    |    |    |    |    | 22 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 83   | 15     | UC      | A         |            |    |    |    |    |    |    | 32 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 84   | 15     | UC      | R         |            |    |    |    |    |    |    | 21 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 84   | 15     | UC      | A         |            |    |    |    |    |    |    | 32 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 85   | 1      | UC      | U         |            |    |    |    |    |    |    | 25 | 32      | 32 |         |    | 32      |    |         | 30 |         |    |         |             | 14 |         |    |         |    | 28      |    |         |    |
| 85   | 1      | UC      | U         |            |    |    |    |    |    |    | 31 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 85   | 4      | UC      | A         |            |    |    |    |    | 15 |    |    | 30      |    |         | 29 |         |    | 31      |    | 27      |    | 22      |             | 10 |         |    |         |    | 25      |    |         |    |
| 85   | 4      | A*<br>U | U         |            |    |    |    |    |    |    | 27 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 85   | 7      | UC      | R         | 11         |    |    |    |    |    |    | 31 |         |    | 34      |    | 24      |    |         |    |         |    |         | 26          |    |         |    |         |    |         |    |         |    |
| 85   | 7      | UC      | A         | 15         |    |    |    |    |    |    | 35 |         |    | 36      |    | 26      |    |         |    |         |    |         | 28          |    |         |    |         |    |         |    |         |    |
| 85   | 8      | UC      | R         |            |    |    |    |    |    |    |    |         |    | 21      |    |         | 22 |         | 24 |         | 18 |         |             |    |         |    |         | 22 |         |    |         |    |
| 85   | 8*     | UC      | A         |            |    |    |    |    |    |    |    |         |    | 23      |    |         | 23 |         | 25 |         | 18 |         |             |    |         |    |         | 22 |         |    |         |    |
| 85   | 8      | A       | A         |            |    |    |    |    |    |    |    |         |    | 23      |    |         | 23 |         | 25 |         | 18 |         |             |    |         |    |         | 22 |         |    |         |    |
| 85   | 15     | UC      | R         |            |    |    |    |    |    |    | 21 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 85   | 15     | UC      | A         |            |    |    |    |    |    |    | 31 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 86   | 3      | UC      | U         |            |    |    |    |    |    |    | 22 |         |    | 29      |    | 29      |    | 25      |    |         |    |         | 12          |    |         |    |         | 24 |         |    |         |    |
| 86   | 3      | A*      | A         |            |    |    |    |    |    |    | 24 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 86   | 15     | UC      | R         |            |    |    |    |    |    |    | 20 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 86   | 15     | UC      | A         |            |    |    |    |    |    |    | 31 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 87   | 1      | UC      | U         |            |    |    |    |    |    |    | 21 |         | 28 | 31      |    |         |    |         | 29 |         |    |         |             | 14 |         |    |         |    | 27      |    |         |    |
| 87   | 1      | UC      | U         |            |    |    |    |    |    |    | 26 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 87   | 15     | UC      | R         |            |    |    |    |    |    |    | 21 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 87   | 15     | UC      | A         |            |    |    |    |    |    |    | 31 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |

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

| Year | Source | Product | Frequency | Age Groups |    |    |    |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         | All<br>ages |    |         |    |         |    |         |    |         |    |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|-------------|----|---------|----|---------|----|---------|----|---------|----|
|      |        |         |           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20<br>- | 24 | 25<br>- | 29 | 30<br>- | 34 | 35<br>- | 39 | 40<br>- | 44 | 45<br>- |             | 49 | 50<br>- | 54 | 55<br>- | 59 | 60<br>- | 64 | 65<br>- | 69 |
| 88   | 1      | UC      | U         |            |    |    |    |    |    | 26 |    |         | 36 |         |    |         |    | 31      |    |         |    | 21      |             |    | 11      |    |         | 31 |         |    |         |    |
| 88   | 1      | UC      | U         |            |    |    |    |    |    | 20 |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 88   | 7      | UC      | R         | 10         |    |    |    |    |    | 31 |    |         | 38 |         |    | 30      |    |         |    |         |    |         |             |    |         | 29 |         |    |         |    |         |    |
| 88   | 7      | UC      | A         | 12         |    |    |    |    |    | 36 |    |         | 41 |         |    | 32      |    |         |    |         |    |         |             |    |         | 32 |         |    |         |    |         |    |
| 88   | 15     | UC      | R         |            |    |    |    |    |    | 17 |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 88   | 15     | UC      | A         |            |    |    |    |    |    | 28 |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 89   | 8      | UC      | R         |            |    |    |    |    |    |    |    |         | 26 |         | 24 |         | 23 |         | 22 |         |    |         |             |    |         | 23 |         |    |         |    |         |    |
| 89   | 8*     | UC      | A         |            |    |    |    |    |    |    |    |         | 28 |         | 25 |         | 25 |         | 23 |         |    |         |             |    |         | 24 |         |    |         |    |         |    |
| 89   | 8      | A       | A         |            |    |    |    |    |    |    |    |         | 28 |         | 26 |         | 30 |         | 26 |         |    |         |             |    |         | 27 |         |    |         |    |         |    |
| 89   | 15     | UC      | R         |            |    |    |    |    |    | 18 |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 89   | 15     | UC      | A         |            |    |    |    |    |    | 28 |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 89   | 16     | UC      | R         | 1          | 2  | 6  | 12 | 13 | 18 | 29 |    |         |    |         |    |         |    |         |    |         |    |         |             | 12 |         |    |         |    |         |    |         |    |
| 89   | 16     | UC      | A         | 2          | 5  | 10 | 16 | 19 | 24 | 35 |    |         |    |         |    |         |    |         |    |         |    |         |             | 16 |         |    |         |    |         |    |         |    |
| 90   | 1      | UC      | U         |            |    |    |    |    |    | 27 |    |         | 33 |         |    |         |    | 29      |    |         |    | 18      |             | 8  |         | 28 |         |    |         |    |         |    |
| 90   | 1      | UC      | U         |            |    |    |    |    |    | 22 |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 90   | 7      | UC      | R         | 9          |    |    |    |    |    | 30 |    |         | 36 |         |    | 26      |    |         |    |         |    |         |             |    |         | 27 |         |    |         |    |         |    |
| 90   | 7      | UC      | A         | 12         |    |    |    |    |    | 36 |    |         | 40 |         |    | 27      |    |         |    |         |    |         |             |    |         | 29 |         |    |         |    |         |    |
| 90   | 15     | UC      | R         |            |    |    |    |    |    | 19 |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 90   | 15     | UC      | A         |            |    |    |    |    |    | 29 |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 90   | 17     | UC      | R         |            |    | 8  |    |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 90   | 17     | UC      | A         |            |    | 18 |    |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 90   | 18     | UC      | R         |            |    | 13 |    |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 90   | 18     | UC      | A         |            |    | 33 |    |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 90   | 18     | A*      | A         |            |    | 40 |    |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 91   | 1      | UC      | U         |            |    |    |    |    |    | 24 |    |         | 33 |         |    |         |    | 29      |    |         |    | 18      |             | 9  |         | 28 |         |    |         |    |         |    |
| 91   | 1      | UC      | U         |            |    |    |    |    |    | 22 |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 91   | 7      | UC      | R         | 9          |    |    |    |    |    | 27 |    |         | 30 |         |    | 27      |    |         |    |         |    |         |             |    |         | 26 |         |    |         |    |         |    |
| 91   | 7      | UC      | A         | 12         |    |    |    |    |    | 32 |    |         | 35 |         |    | 29      |    |         |    |         |    |         |             |    |         | 29 |         |    |         |    |         |    |
| 91   | 15     | UC      | R         |            | 8  |    | 12 |    | 19 |    |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 91   | 15     | UC      | A         |            | 16 |    | 21 |    | 29 |    |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 91   | 18     | UC      | R         |            |    | 8  | 12 | 17 | 16 |    |    |         |    |         |    |         |    |         |    |         |    |         | 13          |    |         |    |         |    |         |    |         |    |
| 91   | 18     | UC      | A         |            |    | 22 | 27 | 33 | 29 |    |    |         |    |         |    |         |    |         |    |         |    |         | 28          |    |         |    |         |    |         |    |         |    |
| 92   | 1      | UC      | A         |            |    |    |    |    |    | 28 |    |         | 33 |         |    |         |    | 29      |    |         |    | 16      |             |    |         | 29 |         |    |         |    |         |    |
| 92   | 7      | UC      | R         | 7          |    |    |    |    |    | 28 |    |         | 32 |         |    | 32      |    |         | 19 |         |    |         |             | 25 |         |    |         |    |         |    |         |    |
| 92   | 7      | UC      | A         | 10         |    |    |    |    |    | 33 |    |         | 35 |         |    | 34      |    |         | 21 |         |    |         |             | 28 |         |    |         |    |         |    |         |    |
| 92   | 15     | UC      | R         |            | 7  |    | 12 |    | 17 |    |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 92   | 15     | UC      | A         |            | 15 |    | 21 |    | 29 |    |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 92   | 19     | UC      | A         | 11         |    | 26 |    | 31 | 35 | 40 |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 93   | 1      | UC      | A         |            |    |    |    |    |    | 29 |    |         | 31 |         |    |         |    | 29      |    |         |    | 14      |             |    |         | 28 |         |    |         |    |         |    |
| 93   | 4      | UC      | A         |            |    |    |    |    |    | 28 |    |         | 32 |         |    | 30      |    |         | 27 |         | 21 |         | 11          |    |         | 27 |         |    |         |    |         |    |
| 93   | 7      | UC      | R         | 6          |    |    |    |    |    | 26 |    |         | 28 |         |    | 31      |    |         | 18 |         |    |         |             | 23 |         |    |         |    |         |    |         |    |
| 93   | 7      | UC      | A         | 9          |    |    |    |    |    | 31 |    |         | 31 |         |    | 34      |    |         | 20 |         |    |         |             | 26 |         |    |         |    |         |    |         |    |
| 93   | 15     | UC      | R         |            | 9  |    | 14 |    | 19 |    |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 93   | 15     | UC      | A         |            | 17 |    | 25 |    | 31 |    |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 93   | 18     | UC      | R         |            |    | 10 | 12 | 15 | 19 |    |    |         |    |         |    |         |    |         |    |         |    |         | 14          |    |         |    |         |    |         |    |         |    |
| 93   | 18     | UC      | A         |            |    | 27 | 26 | 31 | 35 |    |    |         |    |         |    |         |    |         |    |         |    |         | 30          |    |         |    |         |    |         |    |         |    |
| 94   | 1      | UC      | A         |            |    |    |    |    |    | 30 |    |         | 32 |         |    |         |    | 28      |    |         |    | 13      |             |    |         | 28 |         |    |         |    |         |    |
| 94   | 7      | UC      | R         | 6          |    |    |    |    |    | 24 |    |         | 26 |         |    | 31      |    |         | 21 |         |    |         |             | 24 |         |    |         |    |         |    |         |    |
| 94   | 7      | UC      | A         | 10         |    |    |    |    |    | 28 |    |         | 30 |         |    | 34      |    |         | 21 |         |    |         |             | 26 |         |    |         |    |         |    |         |    |
| 94   | 7      | UC      | R         | 4          |    |    |    |    |    | 19 |    |         | 23 |         |    | 26      |    |         | 19 |         |    |         |             | 20 |         |    |         |    |         |    |         |    |
| 94   | 7      | UC      | A         | 20         |    |    |    |    |    | 37 |    |         | 35 |         |    | 37      |    |         | 26 |         |    |         |             | 32 |         |    |         |    |         |    |         |    |
| 94   | 15     | UC      | R         |            | 10 |    | 15 |    | 20 |    |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 94   | 15     | UC      | A         |            | 19 |    | 27 |    | 33 |    |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |

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

| Year | Source | Product | Frequency | Age Groups |    |    |    |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         | All<br>ages |    |         |    |         |    |         |    |         |    |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|-------------|----|---------|----|---------|----|---------|----|---------|----|
|      |        |         |           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20<br>- | 24 | 25<br>- | 29 | 30<br>- | 34 | 35<br>- | 39 | 40<br>- | 44 | 45<br>- |             | 49 | 50<br>- | 54 | 55<br>- | 59 | 60<br>- | 64 | 65<br>- | 69 |
| 88   | 1      | UC      | U         |            |    |    |    |    |    |    | 26 |         |    | 30      |    |         |    |         | 28 |         |    |         | 17          |    |         | 7  |         | 26 |         |    |         |    |
| 88   | 1      | UC      | U         |            |    |    |    |    |    |    | 23 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 88   | 7      | UC      | R         | 8          |    |    |    |    |    |    | 31 |         |    | 31      |    |         | 21 |         |    |         |    |         |             |    |         |    | 24      |    |         |    |         |    |
| 88   | 7      | UC      | A         | 11         |    |    |    |    |    |    | 35 |         |    | 34      |    |         | 23 |         |    |         |    |         |             |    |         |    | 26      |    |         |    |         |    |
| 88   | 15     | UC      | R         |            |    |    |    |    |    |    | 18 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 88   | 15     | UC      | A         |            |    |    |    |    |    |    | 29 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 89   | 8      | UC      | R         |            |    |    |    |    |    |    |    |         |    |         | 21 |         |    | 18      |    |         | 20 |         |             | 17 |         |    |         |    |         | 19 |         |    |
| 89   | 8*     | UC      | A         |            |    |    |    |    |    |    |    |         |    |         | 21 |         |    | 20      |    |         | 21 |         |             | 17 |         |    |         |    |         | 20 |         |    |
| 89   | 8      | A       | A         |            |    |    |    |    |    |    |    |         |    |         | 21 |         |    | 20      |    |         | 21 |         |             | 17 |         |    |         |    |         | 20 |         |    |
| 89   | 15     | UC      | R         |            |    |    |    |    |    |    | 19 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 89   | 15     | UC      | A         |            |    |    |    |    |    |    | 29 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 89   | 16     | UC      | R         | 1          | 4  | 9  | 11 | 14 | 18 | 21 |    |         |    |         |    |         |    |         |    |         |    |         |             |    | 11      |    |         |    |         |    |         |    |
| 89   | 16     | UC      | A         | 3          | 6  | 11 | 16 | 19 | 25 | 26 |    |         |    |         |    |         |    |         |    |         |    |         |             |    | 15      |    |         |    |         |    |         |    |
| 90   | 1      | UC      | U         |            |    |    |    |    |    |    | 23 |         |    | 27      |    |         |    |         | 25 |         |    |         | 16          |    |         | 6  |         | 23 |         |    |         |    |
| 90   | 1      | UC      | U         |            |    |    |    |    |    |    | 18 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 90   | 7      | UC      | R         | 9          |    |    |    |    |    |    | 23 |         |    | 33      |    |         | 21 |         |    |         |    |         |             |    |         |    | 22      |    |         |    |         |    |
| 90   | 7      | UC      | A         | 11         |    |    |    |    |    |    | 27 |         |    | 35      |    |         | 22 |         |    |         |    |         |             |    |         |    | 24      |    |         |    |         |    |
| 90   | 15     | UC      | R         |            |    |    |    |    |    |    | 19 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 90   | 15     | UC      | A         |            |    |    |    |    |    |    | 29 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 90   | 17     | UC      | R         |            |    |    | 4  |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 90   | 17     | UC      | A         |            |    |    | 17 |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 90   | 18     | UC      | R         |            |    |    | 13 |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 90   | 18     | UC      | A         |            |    |    | 31 |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 90   | 18     | A*      | A         |            |    |    | 32 |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 91   | 1      | UC      | U         |            |    |    |    |    |    |    | 22 |         |    | 28      |    |         |    |         | 25 |         |    |         | 15          |    |         | 8  |         | 24 |         |    |         |    |
| 91   | 1      | UC      | U         |            |    |    |    |    |    |    | 21 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 91   | 7      | UC      | R         | 6          |    |    |    |    |    |    | 28 |         |    | 29      |    |         | 23 |         |    |         |    |         |             |    |         |    | 23      |    |         |    |         |    |
| 91   | 7      | UC      | A         | 10         |    |    |    |    |    |    | 32 |         |    | 31      |    |         | 25 |         |    |         |    |         |             |    |         |    | 26      |    |         |    |         |    |
| 91   | 15     | UC      | R         |            | 6  |    | 13 |    |    | 18 |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 91   | 15     | UC      | A         |            | 13 |    | 21 |    |    | 28 |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 91   | 18     | UC      | R         |            |    | 9  | 11 | 15 | 15 |    |    |         |    |         |    |         |    |         |    |         |    |         |             | 12 |         |    |         |    |         |    |         |    |
| 91   | 18     | UC      | A         |            |    | 25 | 24 | 30 | 31 |    |    |         |    |         |    |         |    |         |    |         |    |         |             | 27 |         |    |         |    |         |    |         |    |
| 92   | 1      | UC      | A         |            |    |    |    |    |    |    | 25 |         |    | 29      |    |         |    |         | 26 |         |    |         | 12          |    |         | 25 |         |    |         |    |         |    |
| 92   | 7      | UC      | R         | 6          |    |    |    |    |    |    | 27 |         |    | 29      |    |         | 26 |         |    | 18      |    |         |             | 22 |         |    |         |    |         |    |         |    |
| 92   | 7      | UC      | A         | 10         |    |    |    |    |    |    | 31 |         |    | 32      |    |         | 28 |         |    | 19      |    |         |             | 25 |         |    |         |    |         |    |         |    |
| 92   | 15     | UC      | R         |            | 7  |    | 12 |    |    | 17 |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 92   | 15     | UC      | A         |            | 16 |    | 22 |    |    | 26 |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 92   | 19     | UC      | A         | 12         |    |    | 22 |    | 25 | 32 | 34 |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 93   | 1      | UC      | A         |            |    |    |    |    |    |    | 23 |         |    | 27      |    |         |    |         | 23 |         |    |         | 11          |    |         | 23 |         |    |         |    |         |    |
| 93   | 4      | UC      | A         |            |    |    |    |    |    |    | 24 |         |    | 26      |    |         | 24 |         |    | 23      |    |         | 17          |    | 9       |    | 22      |    |         |    |         |    |
| 93   | 7      | UC      | R         | 7          |    |    |    |    |    |    | 23 |         |    | 26      |    |         | 26 |         |    | 15      |    |         |             | 20 |         |    |         |    |         |    |         |    |
| 93   | 7      | UC      | A         | 10         |    |    |    |    |    |    | 27 |         |    | 29      |    |         | 28 |         |    | 16      |    |         |             | 22 |         |    |         |    |         |    |         |    |
| 93   | 15     | UC      | R         |            | 8  |    | 14 |    |    | 18 |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 93   | 15     | UC      | A         |            | 16 |    | 25 |    |    | 29 |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 93   | 18     | UC      | R         |            |    |    | 8  | 13 | 16 | 17 |    |         |    |         |    |         |    |         |    |         |    |         |             |    | 14      |    |         |    |         |    |         |    |
| 93   | 18     | UC      | A         |            |    |    | 29 | 30 | 31 | 34 |    |         |    |         |    |         |    |         |    |         |    |         |             |    | 31      |    |         |    |         |    |         |    |
| 94   | 1      | UC      | A         |            |    |    |    |    |    |    | 25 |         |    | 28      |    |         |    |         | 23 |         |    |         | 11          |    |         | 23 |         |    |         |    |         |    |
| 94   | 7      | UC      | R         | 8          |    |    |    |    |    |    | 20 |         |    | 24      |    |         | 26 |         |    | 13      |    |         |             | 18 |         |    |         |    |         |    |         |    |
| 94   | 7      | UC      | A         | 10         |    |    |    |    |    |    | 25 |         |    | 27      |    |         | 27 |         |    | 15      |    |         |             | 21 |         |    |         |    |         |    |         |    |
| 94   | 7      | UC      | R         | 4          |    |    |    |    |    |    | 19 |         |    | 21      |    |         | 22 |         |    | 13      |    |         |             | 17 |         |    |         |    |         |    |         |    |
| 94   | 7      | UC      | A         | 18         |    |    |    |    |    |    | 32 |         |    | 29      |    |         | 30 |         |    | 21      |    |         |             | 26 |         |    |         |    |         |    |         |    |
| 94   | 15     | UC      | R         |            | 8  |    | 14 |    |    | 18 |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |
| 94   | 15     | UC      | A         |            | 18 |    | 24 |    |    | 29 |    |         |    |         |    |         |    |         |    |         |    |         |             |    |         |    |         |    |         |    |         |    |

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

| Year | Source | Product | Frequency | Age Groups |    |    |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |         | All<br>ages |     |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|-----|
|      |        |         |           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20<br>- | 25<br>- | 30<br>- | 35<br>- | 40<br>- | 45<br>- | 50<br>- | 55<br>- | 60<br>- | 65<br>- | 70<br>- | 75<br>- |             | 80+ |
| 95   | 1      | UC A    |           |            |    |    |    |    | 28 |    |    | 31      |         |         |         | 27      |         |         |         | 14      |         |         |         | 27          |     |
| 95   | 7      | UC R    |           | 5          |    |    |    |    | 19 |    |    | 24      |         | 28      |         |         |         |         |         | 16      |         |         |         | 20          |     |
| 95   | 7      | UC A    |           | 21         |    |    |    |    | 38 |    |    | 37      |         | 37      |         |         |         |         |         | 22      |         |         |         | 31          |     |
| 95   | 15     | UC R    |           |            | 9  |    | 16 |    |    | 22 |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |
| 95   | 15     | UC A    |           |            | 19 |    | 28 |    |    | 35 |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |
| 95   | 18     | UC R    |           |            |    | 9  | 14 | 20 | 22 |    |    |         |         |         |         |         |         |         |         |         |         |         |         | 16          |     |
| 95   | 18     | UC A    |           |            |    | 32 | 31 | 36 | 42 |    |    |         |         |         |         |         |         |         |         |         |         |         |         | 35          |     |
| 96   | 7      | UC R    |           | 4          |    |    |    |    | 23 |    |    | 25      |         | 28      |         |         |         |         |         | 14      |         |         |         | 20          |     |
| 96   | 7      | UC A    |           | 18         |    |    |    |    | 43 |    |    | 39      |         | 36      |         |         |         |         |         | 21      |         |         |         | 31          |     |
| 96   | 15     | UC R    |           |            | 11 |    | 18 |    |    | 22 |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |
| 96   | 15     | UC A    |           |            | 21 |    | 30 |    |    | 35 |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |
| 96   | 21     | UC *    |           |            | 6  |    | 8  |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |
| 96   | 21     | UC R    |           |            | 12 |    | 15 |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |
| 96   | 21     | UC A    |           |            | 24 |    | 28 |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |
| 97   | 1      | UC A    |           |            |    |    |    |    | 32 |    |    | 31      |         |         |         | 28      |         |         |         | 13      |         |         |         | 28          |     |
| 97   | 2      | UC R    |           |            |    |    |    |    | 17 | 29 | 23 | 24      | 27      | 25      | 24      | 28      | 25      | 17      | 16      | 11      | 10      | 3       |         |             |     |
| 97   | 2      | UC A    |           |            |    |    |    |    | 22 | 36 | 30 | 30      | 33      | 31      | 29      | 31      | 28      | 19      | 19      | 13      | 11      | 4       |         |             |     |
| 97   | 7      | UC R    |           | 5          |    |    |    |    | 26 |    |    | 21      |         | 25      |         |         |         |         |         | 18      |         |         |         | 20          |     |
| 97   | 7      | UC A    |           | 19         |    |    |    |    | 47 |    |    | 35      |         | 33      |         |         |         |         |         | 25      |         |         |         | 31          |     |
| 97   | 15     | UC R    |           |            | 9  |    | 17 |    |    | 25 |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |
| 97   | 15     | UC A    |           |            | 19 |    | 28 |    |    | 37 |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |
| 97   | 18     | UC R    |           |            |    | 15 | 16 | 20 | 20 |    |    |         |         |         |         |         |         |         |         |         |         |         |         | 18          |     |
| 97   | 18     | UC A    |           |            |    | 34 | 36 | 41 | 40 |    |    |         |         |         |         |         |         |         |         |         |         |         |         | 38          |     |
| 97   | 18     | A A     |           |            |    | 46 |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |
| 97   | 18     | A* A    |           |            |    | 42 | 44 | 54 | 53 |    |    |         |         |         |         |         |         |         |         |         |         |         |         | 49          |     |
| 97   | 24     | UC R    |           | 6          |    | 12 |    | 18 |    |    |    |         |         |         |         |         |         |         |         |         |         |         | 16      |             |     |
| 97   | 24     | UC A    |           | 32         |    |    |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |
| 98   | 1      | UC A    |           |            |    |    |    |    | 31 |    |    | 29      |         |         |         | 28      |         |         |         | 10      |         |         |         | 26          |     |
| 98   | 2      | UC R    |           |            |    |    |    |    | 20 | 26 | 22 | 21      | 25      | 25      | 28      | 23      | 22      | 19      | 14      | 9       | 7       | 3       |         |             |     |
| 98   | 2      | UC A    |           |            |    |    |    |    | 26 | 34 | 30 | 28      | 30      | 30      | 32      | 28      | 26      | 22      | 16      | 10      | 9       | 3       |         |             |     |
| 98   | 7      | UC R    |           | 5          |    |    |    |    | 25 |    |    | 22      |         | 22      |         |         |         |         |         | 14      |         |         |         | 18          |     |
| 98   | 7      | UC A    |           | 19         |    |    |    |    | 45 |    |    | 35      |         | 33      |         |         |         |         |         | 22      |         |         |         | 30          |     |
| 98   | 15     | UC R    |           |            | 8  |    | 15 |    |    | 23 |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |
| 98   | 15     | UC A    |           |            | 18 |    | 26 |    |    | 36 |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |
| 98   | 21     | A *     |           | 4          | 4  | 9  | 12 | 13 | 20 |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |
| 98   | 21     | A R     |           | 6          | 9  | 14 | 19 | 20 | 32 |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |
| 98   | 21     | A A     |           | 12         | 17 | 24 | 30 | 31 | 41 |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |
| 99   | 1      | UC A    |           |            |    |    |    |    | 30 |    |    | 30      |         |         |         | 26      |         |         |         | 11      |         |         |         | 26          |     |
| 99   | 2      | UC R    |           |            |    |    |    |    | 18 | 23 | 23 | 22      | 24      | 25      | 24      | 25      | 21      | 17      | 13      | 9       | 8       | 4       |         |             |     |
| 99   | 2      | UC A    |           |            |    |    |    |    | 26 | 31 | 30 | 28      | 30      | 30      | 28      | 28      | 25      | 19      | 15      | 10      | 10      | 5       |         |             |     |
| 99   | 4      | UC R    |           |            |    |    |    |    | 20 |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |
| 99   | 4      | UC A    |           |            |    |    |    |    | 24 |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |
| 99   | 7      | UC R    |           | 5          |    |    |    |    | 21 |    |    | 22      |         | 23      |         |         |         |         |         | 15      |         |         |         | 18          |     |
| 99   | 7      | UC A    |           | 15         |    |    |    |    | 43 |    |    | 35      |         | 33      |         |         |         |         |         | 19      |         |         |         | 28          |     |
| 99   | 7      | A A     |           | 17         |    |    |    |    | 49 |    |    | 41      |         | 38      |         |         |         |         |         | 24      |         |         |         | 33          |     |
| 99   | 7      | A* A    |           | 19         |    |    |    |    | 52 |    |    | 48      |         | 41      |         |         |         |         |         | 26      |         |         |         | 37          |     |
| 99   | 15     | UC R    |           |            | 7  |    | 16 |    |    | 24 |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |
| 99   | 15     | UC A    |           |            | 17 |    | 25 |    |    | 35 |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |
| 99   | 18     | UC R    |           |            |    | 11 | 15 | 20 | 26 |    |    |         |         |         |         |         |         |         |         |         |         |         |         | 18          |     |
| 99   | 18     | UC A    |           |            |    | 26 | 34 | 36 | 45 |    |    |         |         |         |         |         |         |         |         |         |         |         |         | 35          |     |
| 99   | 18     | A* A    |           |            |    | 33 | 42 | 47 | 57 |    |    |         |         |         |         |         |         |         |         |         |         |         |         | 44          |     |
| 99   | 22     | UC A    |           | 10         | 29 |    |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |
| 99   | 22     | A* A    |           | 14         | 38 |    |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |         |             |     |



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

| Year | Source | Product | Frequency | Age Groups |    |    |    |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |    | All<br>ages |         |    |         |    |         |    |         |    |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|-------------|---------|----|---------|----|---------|----|---------|----|
|      |        |         |           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20<br>- | 24 | 25<br>- | 29 | 30<br>- | 34 | 35<br>- | 39 | 40<br>- | 44 | 45<br>- | 49 |             | 50<br>- | 54 | 55<br>- | 59 | 60<br>- | 64 | 65<br>- | 69 |
| 95   | 1      | UC      | A         |            |    |    |    |    |    |    |    | 22      |    |         |    | 27      |    |         |    | 24      |    |         |    | 12          |         |    |         | 23 |         |    |         |    |
| 95   | 7      | UC      | R         |            |    |    |    |    |    |    |    | 18      |    |         |    | 23      |    |         |    | 22      |    |         |    | 13          |         |    |         | 17 |         |    |         |    |
| 95   | 7      | UC      | A         |            |    |    |    |    |    |    |    | 32      |    |         |    | 32      |    |         |    | 31      |    |         |    | 21          |         |    |         | 27 |         |    |         |    |
| 95   | 15     | UC      | R         |            | 9  |    | 16 |    |    | 21 |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 95   | 15     | UC      | A         |            | 19 |    | 28 |    |    | 32 |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 95   | 18     | UC      | R         |            |    |    | 10 | 13 | 19 | 20 |    |         |    |         |    |         |    |         |    |         |    |         |    |             | 16      |    |         |    |         |    |         |    |
| 95   | 18     | UC      | A         |            |    |    | 30 | 35 | 36 | 34 |    |         |    |         |    |         |    |         |    |         |    |         |    |             | 34      |    |         |    |         |    |         |    |
| 96   | 7      | UC      | R         | 6          |    |    |    |    |    |    |    | 19      |    |         |    | 21      |    | 22      |    |         |    | 14      |    |             |         | 17 |         |    |         |    |         |    |
| 96   | 7      | UC      | A         | 19         |    |    |    |    |    |    |    | 33      |    |         |    | 32      |    | 32      |    |         |    | 20      |    |             |         | 27 |         |    |         |    |         |    |
| 96   | 15     | UC      | R         |            | 10 |    | 19 |    |    | 22 |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 96   | 15     | UC      | A         |            | 21 |    | 31 |    |    | 32 |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 96   | 21     | UC      | *         |            | 4  |    | 9  |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 96   | 21     | UC      | R         |            |    |    | 10 | 21 |    |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 96   | 21     | UC      | A         |            | 24 |    | 29 |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 97   | 1      | UC      | A         |            |    |    |    |    |    |    |    | 26      |    |         |    | 26      |    |         |    | 22      |    |         |    | 12          |         |    |         | 22 |         |    |         |    |
| 97   | 2      | UC      | R         |            |    |    |    |    |    |    |    | 18      | 21 | 21      | 19 | 23      | 22 | 20      | 19 | 16      | 16 | 16      | 16 | 10          | 7       | 4  |         |    |         |    |         |    |
| 97   | 2      | UC      | A         |            |    |    |    |    |    |    |    | 23      | 27 | 26      | 24 | 28      | 26 | 23      | 23 | 19      | 19 | 18      | 12 | 9           | 5       |    |         |    |         |    |         |    |
| 97   | 7      | UC      | R         | 6          |    |    |    |    |    |    |    | 19      |    |         |    | 20      |    | 25      |    |         |    | 16      |    |             |         | 19 |         |    |         |    |         |    |
| 97   | 7      | UC      | A         | 21         |    |    |    |    |    |    |    | 35      |    |         |    | 32      |    | 33      |    |         |    | 22      |    |             |         | 28 |         |    |         |    |         |    |
| 97   | 15     | UC      | R         |            | 9  |    | 19 |    |    | 24 |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 97   | 15     | UC      | A         |            | 20 |    | 31 |    |    | 35 |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 97   | 18     | UC      | R         |            |    |    | 12 | 14 | 18 | 19 |    |         |    |         |    |         |    |         |    |         |    |         |    |             | 16      |    |         |    |         |    |         |    |
| 97   | 18     | UC      | A         |            |    |    | 33 | 35 | 32 | 39 |    |         |    |         |    |         |    |         |    |         |    |         |    |             | 35      |    |         |    |         |    |         |    |
| 97   | 18     | A       | A         |            |    |    | 37 |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 97   | 18     | A*      | A         |            |    |    | 34 | 37 | 34 | 42 |    |         |    |         |    |         |    |         |    |         |    |         |    |             | 37      |    |         |    |         |    |         |    |
| 97   | 24     | UC      | R         | 5          | 12 |    |    | 17 |    |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             | 11      |    |         |    |         |    |         |    |
| 97   | 24     | UC      | A         | 26         |    |    |    |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 98   | 1      | UC      | A         |            |    |    |    |    |    |    |    | 25      |    |         |    | 26      |    |         |    | 23      |    |         |    | 11          |         |    |         | 22 |         |    |         |    |
| 98   | 2      | UC      | R         |            |    |    |    |    |    |    |    | 18      | 20 | 18      | 21 | 23      | 22 | 20      | 22 | 19      | 15 | 15      | 10 | 8           | 3       |    |         |    |         |    |         |    |
| 98   | 2      | UC      | A         |            |    |    |    |    |    |    |    | 25      | 24 | 24      | 25 | 27      | 25 | 23      | 25 | 22      | 18 | 18      | 12 | 9           | 5       |    |         |    |         |    |         |    |
| 98   | 7      | UC      | R         | 5          |    |    |    |    |    |    |    | 21      |    |         |    | 21      |    | 21      |    |         |    | 13      |    |             |         | 16 |         |    |         |    |         |    |
| 98   | 7      | UC      | A         | 18         |    |    |    |    |    |    |    | 38      |    |         |    | 30      |    | 29      |    |         |    | 19      |    |             |         | 26 |         |    |         |    |         |    |
| 98   | 15     | UC      | R         |            | 9  |    | 17 |    |    | 22 |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 98   | 15     | UC      | A         |            | 20 |    | 29 |    |    | 33 |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 98   | 21     | A       | *         | 2          | 4  | 6  | 12 | 13 | 14 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 98   | 21     | A       | R         | 4          | 8  | 14 | 20 | 18 | 23 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 98   | 21     | A       | A         | 10         | 16 | 25 | 29 | 27 | 30 |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 99   | 1      | UC      | A         |            |    |    |    |    |    |    |    | 26      |    |         |    | 25      |    |         |    | 21      |    |         |    | 11          |         |    |         | 22 |         |    |         |    |
| 99   | 2      | UC      | R         |            |    |    |    |    |    |    |    | 21      | 21 | 19      | 19 | 23      | 22 | 20      | 19 | 16      | 14 | 13      | 10 | 8           | 4       |    |         |    |         |    |         |    |
| 99   | 2      | UC      | A         |            |    |    |    |    |    |    |    | 24      | 27 | 24      | 23 | 27      | 26 | 24      | 22 | 19      | 16 | 16      | 12 | 9           | 5       |    |         |    |         |    |         |    |
| 99   | 4      | UC      | R         |            |    |    |    |    |    |    |    | 16      |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 99   | 4      | UC      | A         |            |    |    |    |    |    |    |    | 19      |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 99   | 7      | UC      | R         | 5          |    |    |    |    |    |    |    | 20      |    |         |    | 18      |    | 19      |    |         |    | 12      |    |             |         | 15 |         |    |         |    |         |    |
| 99   | 7      | UC      | A         | 15         |    |    |    |    |    |    |    | 36      |    |         |    | 28      |    | 27      |    |         |    | 16      |    |             |         | 23 |         |    |         |    |         |    |
| 99   | 7      | A       | A         | 16         |    |    |    |    |    |    |    | 37      |    |         |    | 29      |    | 28      |    |         |    | 16      |    |             |         | 24 |         |    |         |    |         |    |
| 99   | 7      | A*      | A         | 16         |    |    |    |    |    |    |    | 37      |    |         |    | 29      |    | 28      |    |         |    | 17      |    |             |         | 24 |         |    |         |    |         |    |
| 99   | 15     | UC      | R         |            | 8  |    | 16 |    |    | 22 |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 99   | 15     | UC      | A         |            | 18 |    | 26 |    |    | 34 |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 99   | 18     | UC      | R         |            |    |    | 11 | 15 | 17 | 20 |    |         |    |         |    |         |    |         |    |         |    |         |    |             | 16      |    |         |    |         |    |         |    |
| 99   | 18     | UC      | A         |            |    |    | 29 | 36 | 36 | 41 |    |         |    |         |    |         |    |         |    |         |    |         |    |             | 35      |    |         |    |         |    |         |    |
| 99   | 18     | A*      | A         |            |    |    | 30 | 38 | 37 | 43 |    |         |    |         |    |         |    |         |    |         |    |         |    |             | 37      |    |         |    |         |    |         |    |
| 99   | 22     | UC      | A         | 9          | 28 |    |    |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 99   | 22     | A*      | A         | 11         | 31 |    |    |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |

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

| Year | Source | Product | Frequency | Age Groups |    |    |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         | All ages |         |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|
|      |        |         |           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 - 24 | 25 - 29 | 30 - 34 | 35 - 39 | 40 - 44 | 45 - 49 | 50 - 54 | 55 - 59 | 60 - 64 | 65 - 69 | 70 - 74 |          | 75 - 79 |
| 00   | 1      | UC      | A         |            |    |    |    |    | 29 |    |    | 30      |         |         |         | 26      |         |         |         | 10      |         |         |          | 26      |
| 00   | 2      | UC      | R         |            |    |    |    |    | 16 | 25 | 23 | 22      | 23      | 27      | 25      | 23      | 21      | 17      | 15      | 10      | 6       | 4       |          |         |
| 00   | 2      | UC      | A         |            |    |    |    |    | 21 | 32 | 30 | 28      | 28      | 32      | 29      | 29      | 24      | 21      | 16      | 11      | 7       | 4       |          |         |
| 00   | 7      | UC      | R         | 0          | 3  | 10 | 20 | 23 | 20 | 21 |    |         |         | 15      |         |         |         |         |         |         |         | 17      |          |         |
| 00   | 7      | UC      | A         | 3          | 11 | 25 | 41 | 42 | 33 | 30 |    |         |         | 20      |         |         |         |         |         |         |         | 27      |          |         |
| 00   | 7      | A       | A         | 4          | 12 | 29 | 47 | 47 | 37 | 36 |    |         |         | 24      |         |         |         |         |         |         |         | 31      |          |         |
| 00   | 7      | A*      | A         | 5          | 14 | 32 | 49 | 50 | 44 | 40 |    |         |         | 27      |         |         |         |         |         |         |         | 35      |          |         |
| 00   | 15     | UC      | R         | 7          | 14 | 21 |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |
| 00   | 15     | UC      | A         | 14         | 24 | 33 |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |
| 00   | 22     | UC      | A         | 12         | 29 |    |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |
| 00   | 22     | A*      | A         | 18         | 39 |    |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |
| 00   | 23     | UC      | A         | 18         |    |    |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |
| 01   | 1      | UC      | A         |            |    |    |    |    | 30 |    |    | 27      |         |         |         | 26      |         |         |         | 12      |         |         |          | 25      |
| 01   | 2      | UC      | R         |            |    |    |    |    | 22 | 24 | 21 | 21      | 22      | 23      | 24      | 23      | 23      | 18      | 13      | 12      | 7       | 5       |          |         |
| 01   | 2      | UC      | A         |            |    |    |    |    | 28 | 31 | 29 | 26      | 26      | 28      | 29      | 26      | 26      | 21      | 15      | 14      | 9       | 6       |          |         |
| 01   | 7      | UC      | R         | 1          | 3  | 9  | 21 | 23 | 21 | 21 |    |         |         | 13      |         |         |         |         |         |         |         | 17      |          |         |
| 01   | 7      | UC      | A         | 3          | 10 | 23 | 43 | 43 | 34 | 31 |    |         |         | 18      |         |         |         |         |         |         |         | 27      |          |         |
| 01   | 7      | A       | A         | 4          | 12 | 27 | 48 | 49 | 40 | 37 |    |         |         | 24      |         |         |         |         |         |         |         | 32      |          |         |
| 01   | 7      | A*      | A         | 4          | 14 | 29 | 50 | 52 | 45 | 41 |    |         |         | 27      |         |         |         |         |         |         |         | 36      |          |         |
| 01   | 15     | UC      | R         | 6          | 12 | 18 |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |
| 01   | 15     | UC      | A         | 12         | 21 | 30 |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |
| 01   | 18     | UC      | R         | 10         | 12 | 18 | 22 |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         | 15       |         |
| 01   | 18     | UC      | A         | 24         | 25 | 32 | 38 |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         | 29       |         |
| 01   | 18     | A*      | A         | 31         | 35 | 43 | 48 |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         | 39       |         |
| 01   | 21     | A       | *         | 4          | 12 |    |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |
| 01   | 21     | A       | R         | 7          | 18 |    |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |
| 02   | 1      | UC      | A         |            |    |    |    |    | 32 |    |    | 29      |         |         |         | 25      |         |         |         | 10      |         |         |          | 25      |
| 02   | 2      | UC      | R         |            |    |    |    |    | 21 | 25 | 20 | 23      | 24      | 24      | 23      | 23      | 17      | 19      | 11      | 11      | 9       | 4       |          |         |
| 02   | 2      | UC      | A         |            |    |    |    |    | 29 | 34 | 26 | 29      | 29      | 30      | 27      | 27      | 20      | 22      | 13      | 12      | 9       | 5       |          |         |
| 02   | 4      | UC      | R         | 19         |    |    |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |
| 02   | 4      | UC      | A         | 23         |    |    |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |
| 02   | 7      | UC      | R         | 0          | 3  | 10 | 20 | 24 | 20 | 23 |    |         |         | 15      |         |         |         |         |         |         |         | 18      |          |         |
| 02   | 7      | UC      | A         | 3          | 10 | 25 | 42 | 47 | 37 | 33 |    |         |         | 20      |         |         |         |         |         |         |         | 29      |          |         |
| 02   | 7      | A       | A         | 3          | 12 | 29 | 47 | 51 | 41 | 39 |    |         |         | 24      |         |         |         |         |         |         |         | 33      |          |         |
| 02   | 7      | A*      | A         | 4          | 13 | 32 | 50 | 54 | 47 | 43 |    |         |         | 28      |         |         |         |         |         |         |         | 37      |          |         |
| 02   | 15     | UC      | R         | 5          | 9  | 17 |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |
| 02   | 15     | UC      | A         | 11         | 17 | 27 |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |
| 02   | 22     | UC      | A         | 10         | 24 |    |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |
| 02   | 22     | A*      | A         | 15         | 33 |    |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |
| 03   | 1      | UC      | A         |            |    |    |    |    | 26 |    |    | 28      |         |         |         | 24      |         |         |         | 10      |         |         |          | 24      |
| 03   | 4      | UC      | R         | 17         |    |    |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |
| 03   | 4      | UC      | A         | 21         |    |    |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |
| 03   | 7      | UC      | R         | 0          | 2  | 9  | 20 | 25 | 22 | 22 |    |         |         | 15      |         |         |         |         |         |         |         | 18      |          |         |
| 03   | 7      | UC      | A         | 3          | 10 | 25 | 42 | 46 | 37 | 32 |    |         |         | 20      |         |         |         |         |         |         |         | 28      |          |         |
| 03   | 7      | A       | A         | 3          | 12 | 29 | 48 | 51 | 42 | 38 |    |         |         | 24      |         |         |         |         |         |         |         | 33      |          |         |
| 03   | 7      | A*      | A         | 4          | 14 | 31 | 49 | 54 | 47 | 42 |    |         |         | 26      |         |         |         |         |         |         |         | 36      |          |         |
| 03   | 15     | UC      | R         | 4          | 9  | 17 |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |
| 03   | 15     | UC      | A         | 10         | 16 | 26 |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |
| 03   | 18     | UC      | R         | 6          | 10 | 11 | 15 |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         | 10       |         |
| 03   | 18     | UC      | A         | 16         | 22 | 23 | 29 |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         | 22       |         |
| 03   | 18     | A*      | A         | 22         | 29 | 34 | 40 |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         | 30       |         |

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

| Year | Source | Product | Frequency | Age Groups |    |    |    |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         | All ages |    |         |    |         |    |         |    |         |    |         |    |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----------|----|---------|----|---------|----|---------|----|---------|----|---------|----|
|      |        |         |           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20<br>- | 24 | 25<br>- | 29 | 30<br>- | 34 | 35<br>- | 39 | 40<br>- | 44 | 45<br>- |          | 49 | 50<br>- | 54 | 55<br>- | 59 | 60<br>- | 64 | 65<br>- | 69 | 70<br>- | 74 |
| 00   | 1      | UC      | A         |            |    |    |    |    |    | 25 |    |         |    |         |    | 25      |    |         |    |         |    | 22      |          |    |         |    |         | 9  |         |    | 21      |    |         |    |
| 00   | 2      | UC      | R         |            |    |    |    |    |    | 22 | 19 | 16      | 18 | 23      | 22 | 20      | 18 | 17      | 17 | 10      | 10 | 7       | 3        |    |         |    |         |    |         |    |         |    |         |    |
| 00   | 2      | UC      | A         |            |    |    |    |    |    | 25 | 25 | 22      | 23 | 27      | 26 | 23      | 21 | 21      | 21 | 12      | 13 | 8       | 4        |    |         |    |         |    |         |    |         |    |         |    |
| 00   | 7      | UC      | R         | 1          | 3  |    | 9  |    | 21 | 19 | 17 |         | 19 |         |    |         |    |         | 13 |         |    |         |          |    |         |    |         |    |         |    |         |    |         | 15 |
| 00   | 7      | UC      | A         | 4          | 13 |    | 25 |    | 38 | 34 | 27 |         | 27 |         |    |         |    |         | 17 |         |    |         |          |    |         |    |         |    |         |    |         |    |         | 23 |
| 00   | 7      | A       | A         | 4          | 14 |    | 26 |    | 39 | 34 | 27 |         | 27 |         |    |         |    |         | 17 |         |    |         |          |    |         |    |         |    |         |    |         |    |         | 24 |
| 00   | 7      | A*      | A         | 4          | 14 |    | 26 |    | 39 | 35 | 28 |         | 27 |         |    |         |    |         | 18 |         |    |         |          |    |         |    |         |    |         |    |         |    |         | 24 |
| 00   | 15     | UC      | R         |            | 8  |    | 14 |    | 20 |    |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         |    |         |    |         |    |         |    |
| 00   | 15     | UC      | A         |            | 15 |    | 24 |    | 30 |    |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         |    |         |    |         |    |         |    |
| 00   | 22     | UC      | A         | 10         | 27 |    |    |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         |    |         |    |         |    |         |    |
| 00   | 22     | A*      | A         | 12         | 30 |    |    |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         |    |         |    |         |    |         |    |
| 00   | 23     | UC      | A         |            | 18 |    |    |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         |    |         |    |         |    |         |    |
| 01   | 1      | UC      | A         |            |    |    |    |    |    | 23 |    |         | 25 |         |    |         | 21 |         |    |         | 9  |         |          |    |         |    |         | 21 |         |    |         |    |         |    |
| 01   | 2      | UC      | R         |            |    |    |    |    |    | 16 | 19 | 18      | 18 | 22      | 22 | 18      | 21 | 19      | 16 | 11      | 9  | 6       | 3        |    |         |    |         |    |         |    |         |    |         |    |
| 01   | 2      | UC      | A         |            |    |    |    |    |    | 21 | 25 | 24      | 22 | 26      | 25 | 22      | 23 | 22      | 17 | 14      | 12 | 7       | 4        |    |         |    |         |    |         |    |         |    |         |    |
| 01   | 7      | UC      | R         | 0          | 4  |    | 10 |    | 19 | 20 | 18 |         | 20 |         |    |         |    |         | 11 |         |    |         |          |    |         |    |         |    |         |    |         |    |         | 15 |
| 01   | 7      | UC      | A         | 3          | 13 |    | 25 |    | 36 | 35 | 27 |         | 28 |         |    |         |    |         | 15 |         |    |         |          |    |         |    |         |    |         |    |         |    |         | 23 |
| 01   | 7      | A       | A         | 3          | 13 |    | 26 |    | 38 | 36 | 27 |         | 29 |         |    |         |    |         | 15 |         |    |         |          |    |         |    |         |    |         |    |         |    |         | 23 |
| 01   | 7      | A*      | A         | 3          | 14 |    | 26 |    | 38 | 36 | 28 |         | 29 |         |    |         |    |         | 16 |         |    |         |          |    |         |    |         |    |         |    |         |    |         | 24 |
| 01   | 15     | UC      | R         |            | 5  |    | 12 |    | 19 |    |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         |    |         |    |         |    |         |    |
| 01   | 15     | UC      | A         |            | 12 |    | 22 |    | 29 |    |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         |    |         |    |         |    |         |    |
| 01   | 18     | UC      | R         |            |    |    | 8  | 12 | 13 | 20 |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         | 13 |         |    |         |    |         |    |
| 01   | 18     | UC      | A         |            |    |    | 24 | 28 | 27 | 33 |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         | 28 |         |    |         |    |         |    |
| 01   | 18     | A*      | A         |            |    |    | 26 | 31 | 29 | 34 |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         | 30 |         |    |         |    |         |    |
| 01   | 21     | A       | *         |            | 2  |    | 8  |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         |    |         |    |         |    |         |    |
| 01   | 21     | A       | R         |            | 5  |    | 12 |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         |    |         |    |         |    |         |    |
| 02   | 1      | UC      | A         |            |    |    |    |    |    | 25 |    |         | 23 |         |    |         | 21 |         |    |         | 9  |         |          |    |         |    |         | 20 |         |    |         |    |         |    |
| 02   | 2      | UC      | R         |            |    |    |    |    |    | 17 | 20 | 18      | 17 | 19      | 20 | 22      | 16 | 16      | 16 | 11      | 9  | 7       | 4        |    |         |    |         |    |         |    |         |    |         |    |
| 02   | 2      | UC      | A         |            |    |    |    |    |    | 21 | 26 | 23      | 21 | 22      | 25 | 26      | 19 | 19      | 19 | 12      | 11 | 8       | 4        |    |         |    |         |    |         |    |         |    |         |    |
| 02   | 4      | UC      | R         |            |    |    |    |    |    | 15 |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         |    |         |    |         |    |         |    |
| 02   | 4      | UC      | A         |            |    |    |    |    |    | 18 |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         |    |         |    |         |    |         |    |
| 02   | 7      | UC      | R         | 0          | 2  |    | 10 |    | 18 | 22 | 18 |         | 21 |         |    |         |    |         | 11 |         |    |         |          |    |         |    |         |    |         |    |         |    |         | 15 |
| 02   | 7      | UC      | A         | 4          | 13 |    | 25 |    | 35 | 38 | 29 |         | 28 |         |    |         |    |         | 15 |         |    |         |          |    |         |    |         |    |         |    |         |    |         | 23 |
| 02   | 7      | A       | A         | 4          | 13 |    | 26 |    | 36 | 39 | 29 |         | 29 |         |    |         |    |         | 15 |         |    |         |          |    |         |    |         |    |         |    |         |    |         | 24 |
| 02   | 7      | A*      | A         | 4          | 14 |    | 27 |    | 36 | 39 | 29 |         | 29 |         |    |         |    |         | 16 |         |    |         |          |    |         |    |         |    |         |    |         |    |         | 24 |
| 02   | 15     | UC      | R         |            | 5  |    | 11 |    | 16 |    |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         |    |         |    |         |    |         |    |
| 02   | 15     | UC      | A         |            | 10 |    | 19 |    | 26 |    |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         |    |         |    |         |    |         |    |
| 02   | 22     | UC      | A         | 10         | 21 |    |    |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         |    |         |    |         |    |         |    |
| 02   | 22     | A*      | A         | 12         | 24 |    |    |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         |    |         |    |         |    |         |    |
| 03   | 1      | UC      | A         |            |    |    |    |    |    | 22 |    |         | 23 |         |    |         | 20 |         |    |         | 8  |         |          |    |         |    |         | 19 |         |    |         |    |         |    |
| 03   | 4      | UC      | R         |            |    |    |    |    |    | 13 |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         |    |         |    |         |    |         |    |
| 03   | 4      | UC      | A         |            |    |    |    |    |    | 16 |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         |    |         |    |         |    |         |    |
| 03   | 7      | UC      | R         | 0          | 3  |    | 8  |    | 18 | 21 | 18 |         | 19 |         |    |         |    |         | 10 |         |    |         |          |    |         |    |         |    |         |    |         |    |         | 14 |
| 03   | 7      | UC      | A         | 3          | 14 |    | 21 |    | 35 | 37 | 29 |         | 28 |         |    |         |    |         | 14 |         |    |         |          |    |         |    |         |    |         |    |         |    |         | 23 |
| 03   | 7      | A       | A         | 3          | 14 |    | 23 |    | 37 | 38 | 30 |         | 28 |         |    |         |    |         | 15 |         |    |         |          |    |         |    |         |    |         |    |         |    |         | 23 |
| 03   | 7      | A*      | A         | 3          | 14 |    | 23 |    | 37 | 39 | 30 |         | 28 |         |    |         |    |         | 16 |         |    |         |          |    |         |    |         |    |         |    |         |    |         | 24 |
| 03   | 15     | UC      | R         |            | 5  |    | 9  |    | 14 |    |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         |    |         |    |         |    |         |    |
| 03   | 15     | UC      | A         |            | 11 |    | 17 |    | 22 |    |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         |    |         |    |         |    |         |    |
| 03   | 18     | UC      | R         |            |    |    | 7  | 9  | 12 | 11 |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         | 10 |         |    |         |    |         |    |
| 03   | 18     | UC      | A         |            |    |    | 19 | 22 | 24 | 23 |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         | 22 |         |    |         |    |         |    |
| 03   | 18     | A*      | A         |            |    |    | 22 | 24 | 27 | 26 |    |         |    |         |    |         |    |         |    |         |    |         |          |    |         |    |         | 25 |         |    |         |    |         |    |

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

| Year | Source | Product | Frequency | Age Groups |    |    |    |    |    |    |    |               |               |               |               |               |               |               |               |               |               |               | All<br>ages |               |     |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|---------------|-----|
|      |        |         |           | 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+ |
| 04   | 1      | UC      | A         |            |    |    |    |    | 26 |    |    | 26            |               |               |               | 25            |               |               |               | 10            |               |               |             | 23            |     |
| 04   | 7      | UC      | R         | 0          |    | 2  |    | 8  |    | 19 |    | 25            |               | 21            |               | 22            |               | 14            |               |               |               |               |             |               | 17  |
| 04   | 7      | UC      | A         | 3          |    | 10 |    | 22 |    | 42 |    | 46            |               | 38            |               | 31            |               | 19            |               |               |               |               |             |               | 28  |
| 04   | 7      | A       | A         | 3          |    | 12 |    | 27 |    | 48 |    | 52            |               | 43            |               | 38            |               | 24            |               |               |               |               |             |               | 33  |
| 04   | 7      | A*      | A         | 4          |    | 13 |    | 30 |    | 50 |    | 54            |               | 47            |               | 41            |               | 27            |               |               |               |               |             |               | 36  |
| 04   | 15     | UC      | R         |            | 4  |    | 8  |    | 15 |    |    |               |               |               |               |               |               |               |               |               |               |               |             |               |     |
| 04   | 15     | UC      | A         |            | 8  |    | 16 |    | 25 |    |    |               |               |               |               |               |               |               |               |               |               |               |             |               |     |
| 04   | 22     | UC      | A         | 8          |    | 22 |    |    |    |    |    |               |               |               |               |               |               |               |               |               |               |               |             |               |     |
| 04   | 22     | A*      | A         | 13         |    | 31 |    |    |    |    |    |               |               |               |               |               |               |               |               |               |               |               |             |               |     |
| 05   | 15     | UC      | R         |            | 4  |    | 7  |    | 15 |    |    |               |               |               |               |               |               |               |               |               |               |               |             |               |     |
| 05   | 15     | UC      | A         |            | 9  |    | 15 |    | 25 |    |    |               |               |               |               |               |               |               |               |               |               |               |             |               |     |
| 05   | 18     | UC      | R         |            |    | 7  | 7  | 11 | 14 |    |    |               |               |               |               |               |               |               |               |               |               |               | 9           |               |     |
| 05   | 18     | UC      | A         |            |    | 19 | 21 | 24 | 29 |    |    |               |               |               |               |               |               |               |               |               |               |               | 23          |               |     |
| 05   | 18     | A*      | A         |            |    | 27 | 28 | 35 | 39 |    |    |               |               |               |               |               |               |               |               |               |               |               | 32          |               |     |

Source: see *Notes on sources of survey data*, p. 49  
Product: MC = manufactured cigarettes  
TC = total cigarettes (including hand-rolled)  
UC = cigarettes (type unspecified)  
A = all products. A\* additionally includes non-smokers who use smokeless tobacco

Frequency: A = all smokers (including occasional)  
R = regular or daily smokers  
U = unspecified  
\* = refer to *Notes on sources of survey data*, p. 49  
All ages: relates to ages reported; as given in original source

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

| Year | Source | Product | Frequency | Age Groups |    |    |    |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         | All<br>ages |         |     |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|---------|-----|
|      |        |         |           | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20<br>- | 25<br>- | 30<br>- | 35<br>- | 40<br>- | 45<br>- | 50<br>- | 55<br>- | 60<br>- | 65<br>- | 70<br>- |             | 75<br>- | 80+ |
| 04   | 1      | UC      | A         |            |    |    |    |    | 22 |    |    | 21      |         |         |         | 20      |         |         |         | 8       |         |         | 19          |         |     |
| 04   | 7      | UC      | R         | 0          |    |    |    | 2  |    |    | 7  | 17      | 20      | 16      |         | 19      |         | 11      |         |         |         |         |             | 14      |     |
| 04   | 7      | UC      | A         |            |    |    | 3  | 12 |    | 22 | 34 | 37      | 27      |         | 27      |         |         |         | 15      |         |         |         |             |         | 22  |
| 04   | 7      | A       | A         |            |    |    | 3  | 13 |    | 24 | 36 | 38      | 28      |         | 28      |         |         |         | 15      |         |         |         |             |         | 23  |
| 04   | 7      | A*      | A         |            |    |    | 4  | 13 |    | 24 | 33 | 38      | 28      |         | 28      |         |         |         | 15      |         |         |         |             |         | 23  |
| 04   | 15     | UC      | R         |            | 4  |    |    | 8  |    |    | 15 |         |         |         |         |         |         |         |         |         |         |         |             |         |     |
| 04   | 15     | UC      | A         |            | 10 |    |    | 16 |    |    | 24 |         |         |         |         |         |         |         |         |         |         |         |             |         |     |
| 04   | 22     | UC      | A         | :          | 9  |    | 22 |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |             |         |     |
| 04   | 22     | A*      | A         | :          | 11 |    | 24 |    |    |    |    |         |         |         |         |         |         |         |         |         |         |         |             |         |     |
| 05   | 15     | UC      | R         |            | 4  |    |    | 8  |    |    | 12 |         |         |         |         |         |         |         |         |         |         |         |             |         |     |
| 05   | 15     | UC      | A         |            | 10 |    |    | 15 |    |    | 21 |         |         |         |         |         |         |         |         |         |         |         |             |         |     |
| 05   | 18     | UC      | R         |            |    |    | 7  | 8  | 10 | 13 |    |         |         |         |         |         |         |         |         |         |         | 9       |             |         |     |
| 05   | 18     | UC      | A         |            |    |    | 21 | 22 | 24 | 26 |    |         |         |         |         |         |         |         |         |         |         | 23      |             |         |     |
| 05   | 18     | A*      | A         |            |    |    | 22 | 25 | 25 | 29 |    |         |         |         |         |         |         |         |         |         |         | 25      |             |         |     |

Source: see *Notes on sources of survey data*, p. 49  
Product: MC = manufactured cigarettes  
TC = total cigarettes (including hand-rolled)  
UC = cigarettes (type unspecified)  
A = all products. A\* additionally includes non-smokers who use smokeless tobacco

Frequency: A = all smokers (including occasional)  
R = regular or daily smokers  
U = unspecified  
\* = refer to *Notes on sources of survey data*, p. 49  
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. 32)

| Year | Source | Product | Estimated | Age Groups |     |     |     |     |    |    |    |         |         |         |         |         |         |         |         |         |         |         | All ages |         |     |    |    |
|------|--------|---------|-----------|------------|-----|-----|-----|-----|----|----|----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|-----|----|----|
|      |        |         |           | 12         | 13  | 14  | 15  | 16  | 17 | 18 | 19 | 20<br>- | 25<br>- | 30<br>- | 35<br>- | 40<br>- | 45<br>- | 50<br>- | 55<br>- | 60<br>- | 65<br>- | 70<br>- |          | 75<br>- | 80+ |    |    |
| 29   | 25     | UC      |           |            |     |     | 7.2 |     |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |     |    |    |
| 47   | 10     | UC E*   |           |            |     |     |     |     | 23 |    |    | 24      |         | 24      |         |         | 23      |         |         | 22      |         |         |          |         | 24  |    |    |
| 55   | 4      | UC E    |           |            |     |     |     |     | 16 |    |    | 18      |         | 19      |         | 19      |         |         | 17      |         | 14      |         |          |         |     | 18 |    |
| 58   | 13     | UC E    |           |            |     | 6.7 | 7.9 | 9.4 | 11 |    |    |         |         |         |         |         |         |         |         |         |         |         |          | 8.9     |     |    |    |
| 59   | 9      | UC E*   |           |            |     |     |     |     |    |    |    |         |         | 22      |         | 23      | 23      | 24      | 23      | 22      | 20      | 18      | 16       | 15      | 13  |    |    |
| 59   | 14     | UC E*   | 4.0       | 5.5        | 7.2 | 9.0 | 12  | 13  |    |    |    |         |         |         |         |         |         |         |         |         |         |         | 9.9      |         |     |    |    |
| 64   | 3      | UC E    |           |            |     |     |     |     | 22 |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |     |    |    |
| 65   | 1      | UC E    |           |            |     |     |     |     | 18 |    | 20 |         | 21      |         |         | 21      |         |         |         |         | 16      |         |          |         |     | 20 |    |
| 65   | 9      | UC E    |           |            |     |     |     |     |    |    |    |         |         | 23      |         | 24      | 24      | 23      | 23      | 21      | 19      | 17      | 16       | 16      | 22  |    |    |
| 66   | 4      | UC E    |           |            |     |     |     |     | 17 |    |    | 19      |         | 20      |         | 20      |         |         | 19      |         | 15      |         |          |         |     | 19 |    |
| 67   | 4      | UC E    |           |            |     |     |     |     | 16 |    |    | 20      |         |         |         |         | 20      |         |         |         |         | 15      |          |         |     |    | 19 |
| 68   | 4      | UC E    |           |            |     |     |     |     | 16 |    |    | 20      |         |         |         |         | 20      |         |         |         |         | 16      |          |         |     |    | 19 |
| 68   | 20     | UC E    | 2.5       | 3.8        | 13  | 11  | 12  | 14  | 16 |    |    |         |         |         |         |         |         |         |         |         |         |         |          | 14      |     |    |    |
| 70   | 3      | UC      |           |            |     |     |     |     | 21 |    | 21 |         | 23      |         |         | 24      |         |         | 22      |         | 17      |         |          |         |     | 22 |    |
| 70   | 20     | UC E    | 8.3       | 12         | 12  | 9.5 | 14  | 16  | 16 |    |    |         |         |         |         |         |         |         |         |         |         |         |          | 14      |     |    |    |
| 72   | 20     | UC E    | 14        | 9.0        | 10  | 14  | 14  | 17  | 18 |    |    |         |         |         |         |         |         |         |         |         |         |         |          | 16      |     |    |    |
| 74   | 1      | UC E*   |           |            |     |     |     |     | 20 |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |     |    |    |
| 74   | 20     | UC E    | 12        | 16         |     |     | 18  |     |    |    |    |         |         |         |         |         |         |         |         |         |         |         | 17       |         |     |    |    |
| 75   | 3      | UC      |           |            |     |     |     |     | 19 |    | 22 |         | 23      |         |         | 25      |         |         | 25      |         | 20      |         |          |         |     | 23 |    |
| 75   | 15     | UC E*   |           |            |     |     |     |     | 17 |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |     |    |    |
| 76   | 1      | UC E    |           |            |     |     |     |     | 19 |    | 21 |         | 23      |         |         | 23      |         |         |         |         | 18      |         |          |         |     | 21 |    |
| 76   | 15     | UC E*   |           |            |     |     |     |     | 16 |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |     |    |    |
| 77   | 15     | UC E*   |           |            |     |     |     |     | 17 |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |     |    |    |
| 78   | 1      | UC E    |           |            |     |     |     |     | 19 |    | 21 |         | 24      |         |         | 24      |         |         |         |         | 19      |         |          |         |     | 24 |    |
| 78   | 15     | UC E*   |           |            |     |     |     |     | 17 |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |     |    |    |
| 79   | 1      | UC E    |           |            |     |     |     |     | 19 |    | 21 |         | 24      |         |         | 23      |         |         |         |         | 18      |         |          |         |     | 22 |    |
| 79   | 7      | UC E    | 13        |            |     |     |     |     |    |    | 18 |         |         | 23      |         | 25      |         |         | 23      |         |         |         |          | 22      |     |    |    |
| 79   | 8      | UC      |           |            |     |     |     | 18  |    |    | 23 |         | 25      |         |         | 25      |         |         | 23      |         |         |         |          | 22      |     |    |    |
| 79   | 8      | UC      |           |            |     |     |     | 18  |    |    | 23 |         | 25      |         |         | 25      |         |         | 23      |         |         |         |          | 22      |     |    |    |
| 79   | 15     | UC E*   |           |            |     |     |     | 16  |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          | 26      |     |    |    |
| 79   | 20     | UC E    | 13        | 14         |     |     | 17  |     |    |    |    |         |         |         |         |         |         |         |         |         |         |         | 15       |         |     |    |    |
| 80   | 1      | UC      |           |            |     |     |     | 19  |    | 22 |    | 26      |         |         | 27      |         |         | 23      |         | 21      |         |         |          |         | 23  |    |    |
| 80   | 15     | UC E*   |           |            |     |     |     | 17  |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |     |    |    |
| 81   | 15     | UC E*   |           |            |     |     |     | 16  |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |     |    |    |
| 82   | 7      | UC E    | 15        |            |     |     |     |     |    |    | 17 |         |         | 23      |         | 24      |         |         | 23      |         |         |         |          | 22      |     |    |    |
| 82   | 9      | UC      |           |            |     |     |     | 23  |    |    | 26 |         | 27      | 27      | 27      | 27      | 26      | 24      | 22      | 20      | 18      | 15      |          |         |     |    |    |
| 82   | 15     | UC E*   |           |            |     |     |     | 16  |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |     |    |    |
| 83   | 1      | UC E    |           |            |     |     |     | 18  |    | 21 |    | 24      |         |         | 24      |         |         |         |         | 18      |         |         |          |         | 22  |    |    |
| 83   | 15     | UC E*   |           |            |     |     |     | 16  |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |     |    |    |
| 84   | 15     | UC E*   |           |            |     |     |     | 16  |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |     |    |    |
| 85   | 1      | UC      |           |            |     |     |     | 17  |    | 20 |    | 24      |         |         | 25      |         |         | 24      |         | 20      |         |         |          |         | 22  |    |    |
| 85   | 7      | UC E    | 13        |            |     |     |     |     |    |    | 16 |         | 21      |         | 23      |         |         |         |         |         |         |         |          |         | 21  |    |    |
| 85   | 8      | UC      |           |            |     |     |     | 17  |    |    | 23 |         | 26      |         |         | 21      |         |         |         |         |         |         | 23       |         |     |    |    |
| 85   | 15     | UC E*   |           |            |     |     |     | 16  |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |     |    |    |
| 86   | 3      | UC E    |           |            |     |     |     | 22  |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |     |    |    |
| 86   | 15     | UC E*   |           |            |     |     |     | 15  |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |     |    |    |
| 87   | 1      | UC E    |           |            |     |     |     | 17  |    |    | 22 |         |         |         |         | 24      |         |         |         |         | 21      |         | 17       |         | 22  |    |    |
| 87   | 15     | UC E*   |           |            |     |     |     | 15  |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |     |    |    |
| 88   | 1      | UC      |           |            |     |     |     | 19  |    | 23 |    |         |         |         | 25      |         |         |         |         | 21      |         | 16      |          | 23      |     |    |    |
| 88   | 7      | UC E    | 11        |            |     |     |     |     |    |    | 16 |         | 21      |         | 24      |         |         |         |         |         |         |         |          |         | 21  |    |    |
| 88   | 15     | UC E*   |           |            |     |     |     | 15  |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |     |    |    |
| 89   | 8      | UC      |           |            |     |     |     | 16  |    |    | 20 |         | 20      |         |         | 20      |         |         |         |         |         |         | 20       |         |     |    |    |
| 89   | 15     | UC E*   |           |            |     |     |     | 15  |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |     |    |    |
| 90   | 1      | UC E*   |           |            |     |     |     | 20  |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |     |    |    |
| 90   | 7      | UC E    | 14        |            |     |     |     |     |    |    | 18 |         | 21      |         | 25      |         |         |         |         |         |         |         |          |         | 23  |    |    |
| 90   | 15     | UC E*   |           |            |     |     |     | 15  |    |    |    |         |         |         |         |         |         |         |         |         |         |         |          |         |     |    |    |

**Table 5F** Number of cigarettes smoked per smoker per day, females:  
selected surveys by age  
(continues on p. 33)

| Year | Source | Product | Estimated | Age Groups |     |     |     |     |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               | All ages |     |
|------|--------|---------|-----------|------------|-----|-----|-----|-----|----|----|----|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------|-----|
|      |        |         |           | 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+ |
| 29   | 25     | UC      |           |            |     |     | 2.4 |     |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |          |     |
| 47   | 10     | UC E*   |           |            |     |     |     |     | 18 |    | 18 |               | 18            |               | 16            |               | 14            |               |               |               |               | 18            |               |          |     |
| 55   | 4      | UC E    |           |            |     |     |     | 12  |    | 13 |    | 13            |               | 13            |               | 12            |               | 9.4           |               |               |               | 13            |               |          |     |
| 58   | 13     | UC E    |           | 4.8        |     | 6.6 | 7.2 | 7.0 |    |    |    |               |               |               |               |               |               |               |               |               |               |               | 6.8           |          |     |
| 59   | 9      | UC E*   |           |            |     |     |     |     |    |    |    |               |               | 16            | 16            | 16            | 16            | 15            | 15            | 14            | 13            | 12            | 11            | 8.8      |     |
| 59   | 14     | UC E*   | 4.6       | 5.4        | 5.2 | 5.3 | 6.5 | 8.4 |    |    |    |               |               |               |               |               |               |               |               |               |               |               | 6.8           |          |     |
| 64   | 3      | UC E    |           |            |     |     |     |     | 17 |    |    |               |               |               |               |               |               |               |               |               |               |               |               |          |     |
| 65   | 1      | UC E    |           |            |     |     |     |     | 15 | 16 |    | 17            |               | 16            |               |               |               | 13            |               |               |               | 16            |               |          |     |
| 65   | 9      | UC E    |           |            |     |     |     |     |    |    |    |               |               | 19            | 19            | 18            | 18            | 17            | 17            | 16            | 15            | 14            | 13            | 18       |     |
| 66   | 4      | UC E    |           |            |     |     |     | 14  |    | 16 |    | 16            |               | 16            |               | 15            |               | 13            |               |               |               | 16            |               |          |     |
| 67   | 4      | UC E    |           |            |     |     |     | 14  |    | 16 |    |               |               | 16            |               |               |               | 13            |               |               |               | 15            |               |          |     |
| 68   | 4      | UC E    |           |            |     |     |     | 14  |    | 16 |    |               |               | 16            |               |               |               | 13            |               |               |               | 16            |               |          |     |
| 68   | 20     | UC E    | 0.0       | 10         | 4.6 | 12  | 12  | 11  | 12 |    |    |               |               |               |               |               |               |               |               |               |               |               | 12            |          |     |
| 70   | 3      | UC      |           |            |     |     |     |     |    |    | 16 | 18            |               | 19            |               | 18            |               | 17            |               | 14            |               |               |               | 18       |     |
| 70   | 20     | UC E    | 2.5       | 18         | 9.2 | 12  | 13  | 13  | 13 |    |    |               |               |               |               |               |               |               |               |               |               |               | 12            |          |     |
| 72   | 20     | UC E    | 0.0       | 7.0        | 13  | 11  | 10  | 12  | 15 |    |    |               |               |               |               |               |               |               |               |               |               |               | 12            |          |     |
| 74   | 1      | UC E*   |           |            |     |     |     |     | 16 |    |    |               |               |               |               |               |               |               |               |               |               |               |               |          |     |
| 74   | 20     | UC E    |           | 7.2        |     | 12  |     | 14  |    |    |    |               |               |               |               |               |               |               |               |               |               |               | 13            |          |     |
| 75   | 3      | UC      |           |            |     |     |     |     |    |    | 19 | 19            |               | 20            |               | 20            |               | 19            |               | 16            |               |               |               | 19       |     |
| 75   | 15     | UC E*   |           |            |     |     |     | 13  |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |          |     |
| 76   | 1      | UC E    |           |            |     |     |     |     | 16 | 18 |    | 18            |               | 18            |               |               |               | 15            |               |               |               | 18            |               |          |     |
| 76   | 15     | UC E*   |           |            |     |     |     | 13  |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |          |     |
| 77   | 15     | UC E*   |           |            |     |     |     | 13  |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |          |     |
| 78   | 1      | UC E    |           |            |     |     |     |     | 17 | 18 |    | 18            |               | 18            |               |               |               | 16            |               |               |               | 18            |               |          |     |
| 78   | 15     | UC E*   |           |            |     |     |     | 13  |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |          |     |
| 79   | 1      | UC E    |           |            |     |     |     |     | 17 | 19 |    | 19            |               | 19            |               |               |               | 16            |               |               |               | 18            |               |          |     |
| 79   | 7      | UC E    |           | 12         |     |     |     |     | 17 |    | 19 |               | 20            |               |               |               | 17            |               |               |               | 18            |               |               |          |     |
| 79   | 8      | UC      |           |            |     |     |     |     | 19 |    | 18 |               | 18            |               | 20            |               | 17            |               |               |               | 18            |               |               |          |     |
| 79   | 15     | UC E*   |           |            |     |     |     | 13  |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |          |     |
| 79   | 20     | UC E    |           | 8.6        |     | 12  |     | 13  |    |    |    |               |               |               |               |               |               |               |               |               |               |               | 13            |          |     |
| 80   | 1      | UC      |           |            |     |     |     |     |    |    | 18 | 19            |               | 23            |               | 21            |               | 20            |               | 16            |               |               |               | 20       |     |
| 80   | 15     | UC E*   |           |            |     |     |     | 13  |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |          |     |
| 81   | 15     | UC E*   |           |            |     |     |     | 13  |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |          |     |
| 82   | 7      | UC E    |           | 10         |     |     |     |     | 16 |    | 19 |               | 21            |               | 20            |               |               |               |               |               |               |               | 19            |          |     |
| 82   | 9      | UC      |           |            |     |     |     |     |    |    |    |               |               | 20            | 21            | 21            | 21            | 20            | 20            | 19            | 18            | 17            | 16            | 14       |     |
| 82   | 15     | UC E*   |           |            |     |     |     | 13  |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |          |     |
| 83   | 1      | UC E    |           |            |     |     |     |     | 16 | 18 |    | 19            |               | 18            |               |               |               | 16            |               |               |               | 18            |               |          |     |
| 83   | 15     | UC E*   |           |            |     |     |     | 13  |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |          |     |
| 84   | 15     | UC E*   |           |            |     |     |     | 13  |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |          |     |
| 85   | 1      | UC      |           |            |     |     |     |     | 15 | 18 |    | 20            |               | 20            |               | 18            |               | 16            |               |               |               | 18            |               |          |     |
| 85   | 7      | UC E    |           | 11         |     |     |     |     | 18 |    | 18 |               | 20            |               |               |               |               |               |               |               | 19            |               |               |          |     |
| 85   | 8      | UC      |           |            |     |     |     |     | 17 |    | 19 |               | 17            |               | 16            |               |               |               |               |               | 17            |               |               |          |     |
| 85   | 15     | UC E*   |           |            |     |     |     | 13  |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |          |     |
| 86   | 3      | UC E    |           | 19         |     |     |     |     |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |          |     |
| 86   | 15     | UC E*   |           |            |     |     |     | 13  |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |          |     |
| 87   | 1      | UC E    |           |            |     |     |     | 15  |    | 18 |    |               |               | 19            |               |               |               | 17            |               | 15            |               | 18            |               |          |     |
| 87   | 15     | UC E*   |           |            |     |     |     | 13  |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |          |     |
| 88   | 1      | UC      |           |            |     |     |     |     | 17 | 20 |    |               |               | 21            |               |               |               | 18            |               | 15            |               | 20            |               |          |     |
| 88   | 7      | UC E    |           | 9.8        |     |     |     |     | 15 |    | 18 |               | 19            |               |               |               |               |               |               |               | 18            |               |               |          |     |
| 88   | 15     | UC E*   |           |            |     |     |     | 12  |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |          |     |
| 89   | 8      | UC      |           |            |     |     |     |     | 13 |    | 20 |               | 14            |               | 16            |               |               |               |               |               | 17            |               |               |          |     |
| 89   | 15     | UC E*   |           |            |     |     |     | 12  |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |          |     |
| 90   | 1      | UC E*   |           | 16         |     |     |     |     |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |          |     |
| 90   | 7      | UC E    |           | 9.6        |     |     |     |     | 15 |    | 18 |               | 18            |               |               |               |               |               |               |               | 18            |               |               |          |     |
| 90   | 15     | UC E*   |           |            |     |     |     | 12  |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |          |     |

**Table 5M** (continued from p. 30)  
Number of cigarettes smoked per smoker per day, males

| Year | Source | Product | Estimated | Age Groups |    |    |     |    |    |    |    |         |    |         |    |         |    |         |    |         |    |         |    | All<br>ages |         |    |         |    |         |    |         |    |
|------|--------|---------|-----------|------------|----|----|-----|----|----|----|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|-------------|---------|----|---------|----|---------|----|---------|----|
|      |        |         |           | 12         | 13 | 14 | 15  | 16 | 17 | 18 | 19 | 20<br>- | 24 | 25<br>- | 29 | 30<br>- | 34 | 35<br>- | 39 | 40<br>- | 44 | 45<br>- | 49 |             | 50<br>- | 54 | 55<br>- | 59 | 60<br>- | 64 | 65<br>- | 69 |
| 91   | 1      | UC      |           |            |    |    |     |    |    | 22 |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 91   | 7      | UC E    |           | 11         |    |    |     |    |    | 18 |    |         | 19 |         |    | 23      |    |         |    |         |    |         |    |             |         |    |         |    |         | 21 |         |    |
| 91   | 15     | UC E*   |           |            | 12 |    |     | 14 |    |    | 15 |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 92   | 1      | UC E*   |           |            |    |    |     |    |    | 20 |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 92   | 7      | UC E    |           | 13         |    |    |     |    |    | 16 |    |         | 20 |         |    | 23      |    |         | 20 |         |    |         |    |             |         |    |         |    |         | 20 |         |    |
| 92   | 15     | UC E*   |           |            | 12 |    |     | 13 |    |    | 15 |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 93   | 1      | UC E*   |           |            |    |    |     |    |    | 19 |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 93   | 7      | UC E    |           | 13         |    |    |     |    |    | 16 |    |         | 20 |         |    | 21      |    |         | 25 |         |    |         |    |             |         |    |         |    |         | 21 |         |    |
| 93   | 15     | UC E*   |           |            | 13 |    |     | 14 |    |    | 14 |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 94   | 1      | UC E*   |           |            |    |    |     |    |    | 19 |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 94   | 7      | UC E    |           | 10         |    |    |     |    |    | 16 |    |         | 17 |         |    | 20      |    |         | 27 |         |    |         |    |             |         |    |         |    |         | 20 |         |    |
| 94   | 7      | UC E    |           | 13         |    |    |     |    |    | 17 |    |         | 21 |         |    | 23      |    |         | 23 |         |    |         |    |             |         |    |         |    |         | 22 |         |    |
| 94   | 15     | UC E*   |           |            | 12 |    |     | 14 |    |    | 15 |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 95   | 1      | UC E*   |           |            |    |    |     |    |    | 19 |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 95   | 7      | UC E    |           | 15         |    |    |     |    |    | 18 |    |         | 21 |         |    | 23      |    |         | 25 |         |    |         |    |             |         |    |         |    |         | 22 |         |    |
| 95   | 15     | UC E*   |           |            | 11 |    |     | 13 |    |    | 15 |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 96   | 7      | UC E    |           | 16         |    |    |     |    |    | 18 |    |         | 20 |         |    | 24      |    |         | 24 |         |    |         |    |             |         |    |         |    |         | 22 |         |    |
| 96   | 15     | UC E*   |           |            | 12 |    |     | 14 |    |    | 15 |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 96   | 21     | UC E    |           |            | 15 |    |     | 13 |    |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 97   | 2      | UC      |           |            |    |    |     |    |    | 16 | 17 | 19      | 19 | 21      | 23 | 22      | 23 | 22      | 24 | 22      | 19 | 18      | 16 |             |         |    |         |    |         |    |         |    |
| 97   | 7      | UC E    |           | 14         |    |    |     |    |    | 17 |    |         | 20 |         |    | 23      |    |         | 26 |         |    |         |    |             |         |    |         |    |         | 22 |         |    |
| 97   | 15     | UC E*   |           |            | 11 |    |     | 13 |    |    | 15 |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 98   | 2      | UC      |           |            |    |    |     |    |    | 17 | 17 | 19      | 19 | 21      | 21 | 24      | 23 | 24      | 23 | 23      | 20 | 21      | 15 |             |         |    |         |    |         |    |         |    |
| 98   | 7      | UC E    |           | 13         |    |    |     |    |    | 17 |    |         | 18 |         |    | 22      |    |         | 23 |         |    |         |    |             |         |    |         |    |         | 20 |         |    |
| 98   | 15     | UC E*   |           |            | 12 |    |     | 14 |    |    | 14 |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 98   | 21     | UC      | 6         | 4          | 9  | 7  | 10  | 10 |    |    |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 99   | 2      | UC      |           |            |    |    |     |    |    | 13 | 15 | 17      | 19 | 20      | 22 | 22      | 23 | 23      | 20 | 21      | 20 | 20      | 20 |             |         |    |         |    |         |    |         |    |
| 99   | 7      | UC E    |           | 12         |    |    |     |    |    | 16 |    |         | 18 |         |    | 20      |    |         | 21 |         |    |         |    |             |         |    |         |    |         | 19 |         |    |
| 99   | 15     | UC E*   |           |            | 12 |    |     | 13 |    |    | 15 |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 00   | 2      | UC      |           |            |    |    |     |    |    | 15 | 15 | 18      | 19 | 19      | 22 | 22      | 23 | 23      | 21 | 20      | 19 | 19      | 14 |             |         |    |         |    |         |    |         |    |
| 00   | 7      | UC E    |           | 15         |    |    | 11  |    | 13 | 15 | 16 | 19      | 21 |         |    | 21      |    |         |    |         |    |         |    |             |         |    | 19      |    |         |    |         |    |
| 00   | 15     | UC E*   |           |            | 11 |    |     | 13 |    |    | 14 |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 01   | 2      | UC      |           |            |    |    |     |    |    | 16 | 15 | 16      | 17 | 21      | 22 | 22      | 22 | 23      | 21 | 20      | 16 | 16      | 14 |             |         |    |         |    |         |    |         |    |
| 01   | 7      | UC E    |           | 8.4        |    |    | 11  |    | 12 | 14 | 16 | 18      | 21 |         |    | 22      |    |         |    |         |    |         |    |             |         |    | 19      |    |         |    |         |    |
| 01   | 15     | UC E*   |           |            | 12 |    |     | 13 |    |    | 14 |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 02   | 2      | UC      |           |            |    |    |     |    |    | 14 | 15 | 15      | 17 | 20      | 20 | 22      | 21 | 21      | 22 | 20      | 17 | 14      | 19 |             |         |    |         |    |         |    |         |    |
| 02   | 7      | UC      |           | 3.0        |    |    | 8.7 |    | 12 | 14 | 16 | 17      | 20 |         |    | 21      |    |         |    |         |    |         |    |             |         |    | 19      |    |         |    |         |    |
| 02   | 15     | UC E*   |           |            | 12 |    |     | 12 |    |    | 14 |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 03   | 7      | UC      |           | 10         |    |    | 10  |    | 12 | 13 | 15 | 16      | 20 |         |    | 20      |    |         |    |         |    |         |    |             |         |    | 18      |    |         |    |         |    |
| 03   | 15     | UC E*   |           |            | 11 |    |     | 13 |    |    | 14 |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 04   | 7      | UC      |           | 7.7        |    |    | 7.2 |    | 12 | 13 | 14 | 17      | 21 |         |    | 23      |    |         |    |         |    |         |    |             |         |    | 19      |    |         |    |         |    |
| 04   | 15     | UC E*   |           |            | 11 |    |     | 12 |    | 13 |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |
| 05   | 15     | UC E*   |           |            | 13 |    |     | 11 |    | 14 |    |         |    |         |    |         |    |         |    |         |    |         |    |             |         |    |         |    |         |    |         |    |

Source: see *Notes on sources of survey data*, p. 49  
 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. 49  
All ages: relates to ages reported; as given in original source



**Table 5F** (continued from p. 31)  
Number of cigarettes smoked per smoker per day, females:

| Year | Source | Product | Estimated | Age Groups |     |     |     |    |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               | All<br>ages |     |    |
|------|--------|---------|-----------|------------|-----|-----|-----|----|----|----|----|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|-----|----|
|      |        |         |           | 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+ |    |
| 91   | 1      | UC      |           |            |     |     |     |    |    | 18 |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |
| 91   | 7      | UC E    |           | 10         |     |     |     |    |    | 15 |    |               |               | 17            |               | 20            |               |               |               |               |               |               |               |             |     | 18 |
| 91   | 15     | UC E*   |           | 10         |     | 11  |     | 12 |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |
| 92   | 1      | UC E*   |           |            |     |     |     |    |    | 16 |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |
| 92   | 7      | UC E    |           | 10         |     |     |     |    |    | 16 |    |               |               | 17            |               | 20            |               |               |               | 18            |               |               |               |             |     | 18 |
| 92   | 15     | UC E*   |           | 9.8        |     | 10  |     | 12 |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |
| 93   | 1      | UC E*   |           |            |     |     |     |    |    | 15 |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |
| 93   | 7      | UC E    |           | 8.9        |     |     |     |    |    | 14 |    |               |               | 17            |               | 19            |               |               |               | 19            |               |               |               |             |     | 18 |
| 93   | 15     | UC E*   |           | 9.5        |     | 11  |     | 12 |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |
| 94   | 1      | UC E*   |           |            |     |     |     |    |    | 15 |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |
| 94   | 7      | UC E    |           | 11         |     |     |     |    |    | 16 |    |               |               | 15            |               | 19            |               |               |               | 17            |               |               |               |             |     | 17 |
| 94   | 7      | UC E    |           | 12         |     |     |     |    |    | 15 |    |               |               | 17            |               | 20            |               |               |               | 16            |               |               |               |             |     | 17 |
| 94   | 15     | UC E*   |           | 9.7        |     | 11  |     | 12 |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |
| 95   | 1      | UC E*   |           |            |     |     |     |    |    | 15 |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |
| 95   | 7      | UC E    |           | 11         |     |     |     |    |    | 16 |    |               |               | 17            |               | 18            |               |               |               | 17            |               |               |               |             |     | 17 |
| 95   | 15     | UC E*   |           | 9.5        |     | 11  |     | 12 |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |
| 96   | 7      | UC E    |           | 12         |     |     |     |    |    | 15 |    |               |               | 18            |               | 19            |               |               |               | 19            |               |               |               |             |     | 18 |
| 96   | 15     | UC E*   |           | 9.7        |     | 11  |     | 12 |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |
| 96   | 21     | UC E    |           | 11         |     | 10  |     |    |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |
| 97   | 2      | UC      |           |            |     |     |     |    |    | 12 | 15 | 16            | 15            | 17            | 19            | 20            | 20            | 19            | 19            | 17            | 18            | 14            | 14            |             |     |    |
| 97   | 7      | UC E    |           | 14         |     |     |     |    |    | 15 |    |               |               | 16            |               | 20            |               |               |               | 18            |               |               |               |             |     | 18 |
| 97   | 15     | UC E*   |           | 9.6        |     | 11  |     | 12 |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |
| 98   | 2      | UC      |           |            |     |     |     |    |    | 15 | 15 | 16            | 17            | 18            | 17            | 19            | 18            | 19            | 18            | 17            | 14            | 14            | 14            |             |     |    |
| 98   | 7      | UC E    |           | 13         |     |     |     |    |    | 14 |    |               |               | 17            |               | 18            |               |               |               | 19            |               |               |               |             |     | 17 |
| 98   | 15     | UC E*   |           | 9.7        |     | 11  |     | 12 |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |
| 98   | 21     | UC      | 3         | 4          | 6   | 6   | 8   | 11 |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |
| 99   | 2      | UC      |           |            |     |     |     |    |    | 12 | 13 | 15            | 16            | 17            | 17            | 19            | 18            | 19            | 18            | 17            | 14            | 14            | 13            |             |     |    |
| 99   | 7      | UC E    |           | 10         |     |     |     |    |    | 14 |    |               |               | 16            |               | 18            |               |               |               | 18            |               |               |               |             |     | 17 |
| 99   | 15     | UC E*   |           | 10         |     | 11  |     | 12 |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |
| 00   | 2      | UC      |           |            |     |     |     |    |    | 12 | 14 | 14            | 15            | 17            | 18            | 17            | 18            | 19            | 17            | 18            | 17            | 15            | 11            |             |     |    |
| 00   | 7      | UC E    | 10        |            | 9.9 |     | 11  |    | 14 | 14 | 15 | 18            |               |               |               | 18            |               |               |               |               |               |               |               | 17          |     |    |
| 00   | 15     | UC E*   |           | 9.5        |     | 10  |     | 12 |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |
| 01   | 2      | UC      |           |            |     |     |     |    |    | 10 | 13 | 14            | 16            | 17            | 18            | 18            | 18            | 17            | 18            | 17            | 17            | 16            | 13            |             |     |    |
| 01   | 7      | UC E    | 11        |            | 9.8 |     | 11  |    | 12 | 14 | 16 | 18            |               |               |               | 17            |               |               |               |               |               |               |               | 16          |     |    |
| 01   | 15     | UC E*   |           | 10         |     | 11  |     | 12 |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |
| 02   | 2      | UC      |           |            |     |     |     |    |    | 12 | 12 | 15            | 17            | 16            | 17            | 18            | 18            | 17            | 18            | 16            | 15            | 15            | 14            |             |     |    |
| 02   | 7      | UC      | 3.7       |            | 8.7 |     | 10  |    | 12 | 13 | 15 | 17            |               |               |               | 18            |               |               |               |               |               |               |               | 16          |     |    |
| 02   | 15     | UC E*   |           | 10         |     | 10  |     | 11 |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |
| 03   | 7      | UC      | 6.0       |            | 8.4 |     | 11  |    | 11 | 13 | 15 | 17            |               |               |               | 19            |               |               |               |               |               |               |               | 16          |     |    |
| 03   | 15     | UC E*   | 9.9       |            | 10  |     | 11  |    |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |
| 04   | 7      | UC      | 5.7       |            | 8.9 |     | 9.5 |    | 11 | 12 | 15 | 17            |               |               |               | 19            |               |               |               |               |               |               |               | 16          |     |    |
| 04   | 15     | UC E*   |           | 10         |     | 9.6 |     | 11 |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |
| 05   | 15     | UC E*   |           | 9.2        |     | 10  |     | 11 |    |    |    |               |               |               |               |               |               |               |               |               |               |               |               |             |     |    |

Source: see *Notes on sources of survey data*, p. 49  
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. 49  
All ages: 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. 36)

| Year | Source | 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+  |       |      |
| 47   | 10     | UC*     |            |     |     |     |     |     |     | 17  |               |               | 18            |               | 16            |               | 14            |               | 6.6           |               |               |               |             |                     | 15   | 101%T |      |
| 55   | 4      | UC      |            |     |     |     |     |     | 7.5 |     |               | 11            |               | 11            |               | 10            |               | 7.1           |               | 3.1           |               |               |             |                     |      | 8.9   | 60%T |
| 58   | 13     | UC      |            |     | 0.7 | 1.5 | 2.4 | 3.1 |     |     |               |               |               |               |               |               |               |               |               |               |               |               |             |                     |      | 1.8   | **   |
| 59   | 9      | UC      |            |     |     |     |     |     |     |     |               |               | 13            |               | 14            | 13            | 13            | 12            | 10            | 7.7           | 5.8           | 4.1           | 2.6         | 1.7                 |      | **    |      |
| 59   | 14     | UC*     | 0.3        | 0.8 | 1.5 | 3.4 | 5.3 | 5.9 |     |     |               |               |               |               |               |               |               |               |               |               |               |               | 2.6         | **                  |      |       |      |
| 64   | 3      | UC      |            |     |     |     |     |     |     | 12  |               |               |               |               |               |               |               |               |               |               |               |               |             |                     | 73%T |       |      |
| 65   | 1      | UC      |            |     |     |     |     |     |     | 10  | 12            |               | 12            |               | 11            |               |               |               | 4.7           |               |               |               |             |                     | 10   | 69%T  |      |
| 65   | 9      | UC      |            |     |     |     |     |     |     |     |               |               | 11            |               | 11            | 11            | 10            | 8.9           | 6.9           | 5.0           | 3.5           | 2.4           | 1.6         | 7.9                 | **   |       |      |
| 66   | 4      | UC      |            |     |     |     |     |     | 8.0 |     |               | 11            |               | 11            |               | 11            |               | 8.7           |               | 3.6           |               |               |             |                     | 9.3  | 61%T  |      |
| 67   | 4      | UC      |            |     |     |     |     |     | 7.0 |     |               | 11            |               |               | 9.8           |               |               |               | 3.9           |               |               |               |             | 9.0                 | 61%T |       |      |
| 68   | 4      | UC      |            |     |     |     |     |     | 6.6 |     |               | 11            |               |               | 9.4           |               |               |               | 4.0           |               |               |               |             | 8.7                 | 61%T |       |      |
| 68   | 20     | UC      | 0.0        | 0.0 | 0.6 | 1.2 | 2.1 | 2.8 | 4.9 |     |               |               |               |               |               |               |               |               |               |               |               |               |             | 1.6                 | **   |       |      |
| 70   | 3      | UC      |            |     |     |     |     |     |     | 10  | 9.8           |               | 11            |               | 10            |               | 8.2           |               | 3.9           |               |               |               |             | 9.3                 | 65%T |       |      |
| 70   | 20     | UC      | 0.1        | 0.3 | 0.7 | 1.0 | 2.2 | 3.7 | 5.7 |     |               |               |               |               |               |               |               |               |               |               |               |               |             | 2.0                 | **   |       |      |
| 72   | 20     | UC      | 0.0        | 0.3 | 0.6 | 1.6 | 2.0 | 4.0 | 5.2 |     |               |               |               |               |               |               |               |               |               |               |               |               |             | 1.9                 | **   |       |      |
| 74   | 1      | UC*     |            |     |     |     |     |     |     | 8.8 |               |               |               |               |               |               |               |               |               |               |               |               |             |                     | 62%T |       |      |
| 74   | 20     | UC      | 0.4        |     | 2.5 |     | 5.1 |     |     |     |               |               |               |               |               |               |               |               |               |               |               |               | 2.4         | **                  |      |       |      |
| 75   | 3      | UC      |            |     |     |     |     |     |     | 7.8 | 9.7           |               | 11            |               | 10            |               | 8.4           |               | 4.9           |               |               |               |             | 9.0                 | 64%T |       |      |
| 75   | 15     | UC*     |            |     |     |     |     |     | 4.5 |     |               |               |               |               |               |               |               |               |               |               |               |               |             |                     |      | **    |      |
| 76   | 1      | UC      |            |     |     |     |     |     |     | 8.5 | 10            |               | 11            |               | 9.4           |               |               |               | 4.1           |               |               |               |             | 8.9                 | 65%T |       |      |
| 76   | 15     | UC*     |            |     |     |     |     |     | 4.6 |     |               |               |               |               |               |               |               |               |               |               |               |               |             |                     |      | **    |      |
| 77   | 15     | UC*     |            |     |     |     |     |     | 4.5 |     |               |               |               |               |               |               |               |               |               |               |               |               |             |                     |      | **    |      |
| 78   | 1      | UC      |            |     |     |     |     |     |     | 7.4 | 9.1           |               | 10            |               | 9.5           |               |               |               | 4.3           |               |               |               |             | 9.1                 | 65%T |       |      |
| 78   | 15     | UC*     |            |     |     |     |     |     | 4.3 |     |               |               |               |               |               |               |               |               |               |               |               |               |             |                     |      | **    |      |
| 79   | 1      | UC      |            |     |     |     |     |     |     | 7.0 | 9.3           |               | 9.9           |               | 9.1           |               |               |               | 3.6           |               |               |               |             | 8.2                 | 64%T |       |      |
| 79   | 7      | UC      | 1.5        |     |     |     |     |     | 7.4 |     |               | 9.6           |               | 12            |               |               | 5.9           |               |               |               |               |               | 7.6         | 68%T                |      |       |      |
| 79   | 8      | UC      |            |     |     |     |     |     |     | 6.1 |               |               | 11            |               | 10            |               | 5.5           |               |               |               |               |               |             | 9.4                 | **   |       |      |
| 79   | 15     | UC*     |            |     |     |     |     |     | 3.6 |     |               |               |               |               |               |               |               |               |               |               |               |               |             |                     |      | **    |      |
| 79   | 20     | UC      | 0.3        |     | 1.7 |     | 3.0 |     |     |     |               |               |               |               |               |               |               |               |               |               |               |               | 1.5         | **                  |      |       |      |
| 80   | 1      | UC      |            |     |     |     |     |     |     | 7.5 | 9.1           |               | 10            |               | 9.6           |               |               |               | 3.6           |               |               |               |             | 8.3                 | 63%T |       |      |
| 80   | 15     | UC*     |            |     |     |     |     |     | 3.1 |     |               |               |               |               |               |               |               |               |               |               |               |               |             |                     |      | **    |      |
| 81   | 15     | UC*     |            |     |     |     |     |     | 2.9 |     |               |               |               |               |               |               |               |               |               |               |               |               |             |                     |      | **    |      |
| 82   | 7      | UC      | 2.0        |     |     |     |     |     | 5.7 |     |               | 10            |               | 11            |               |               | 7.3           |               |               |               |               |               | 7.5         | 69%T                |      |       |      |
| 82   | 9      | UC      |            |     |     |     |     |     |     | 7.6 |               |               | 8.7           | 8.5           | 7.8           | 7.3           | 6.5           | 5.2           | 4.1           | 3.0           | 2.0           | 1.2           |             | **                  |      |       |      |
| 82   | 15     | UC*     |            |     |     |     |     |     | 3.0 |     |               |               |               |               |               |               |               |               |               |               |               |               |             |                     |      | **    |      |
| 83   | 1      | UC      |            |     |     |     |     |     |     | 6.7 | 8.1           |               | 9.7           |               | 8.6           |               |               |               | 4.1           |               |               |               |             | 7.7                 | 66%T |       |      |
| 83   | 15     | UC*     |            |     |     |     |     |     | 3.0 |     |               |               |               |               |               |               |               |               |               |               |               |               |             |                     |      | **    |      |
| 84   | 15     | UC*     |            |     |     |     |     |     | 2.5 |     |               |               |               |               |               |               |               |               |               |               |               |               |             |                     |      | **    |      |
| 85   | 1      | UC      |            |     |     |     |     |     |     | 5.3 |               | 7.8           |               | 9.1           |               | 8.2           |               | 8.0           |               | 4.0           |               |               |             |                     | 7.1  | 66%T  |      |
| 85   | 7      | UC      | 1.6        |     |     |     |     |     | 5.8 |     |               | 9.0           |               | 7.5           |               |               |               |               |               |               |               |               |             |                     | 6.8  | 70%T  |      |
| 85   | 8      | UC      |            |     |     |     |     |     |     | 4.5 |               |               | 5.4           |               | 5.9           |               | 2.8           |               |               |               |               |               |             | 4.9                 | **   |       |      |
| 85   | 15     | UC*     |            |     |     |     |     |     | 2.8 |     |               |               |               |               |               |               |               |               |               |               |               |               |             |                     |      | **    |      |
| 86   | 3      | UC      |            |     |     |     |     |     | 6.5 |     |               |               |               |               |               |               |               |               |               |               |               |               |             | 62%T                |      |       |      |
| 86   | 15     | UC*     |            |     |     |     |     |     | 2.5 |     |               |               |               |               |               |               |               |               |               |               |               |               |             |                     |      | **    |      |
| 87   | 1      | UC      |            |     |     |     |     |     |     | 4.7 |               | 7.9           |               |               | 8.1           |               |               |               | 4.2           |               | 1.9           |               |             | 6.8                 | 66%T |       |      |
| 87   | 15     | UC*     |            |     |     |     |     |     | 2.4 |     |               |               |               |               |               |               |               |               |               |               |               |               |             |                     |      | **    |      |
| 88   | 1      | UC      |            |     |     |     |     |     |     | 4.7 |               | 8.5           |               |               | 7.9           |               |               |               | 4.4           |               | 1.9           |               |             | 7.1                 | 72%T |       |      |
| 88   | 7      | UC      | 1.1        |     |     |     |     |     | 5.0 |     |               | 8.0           |               | 7.2           |               |               |               |               |               |               |               |               |             |                     | 6.3  | 68%T  |      |
| 88   | 15     | UC*     |            |     |     |     |     |     | 2.6 |     |               |               |               |               |               |               |               |               |               |               |               |               |             |                     |      | **    |      |
| 89   | 8      | UC      |            |     |     |     |     |     |     | 4.1 |               |               | 4.8           |               | 4.7           |               | 4.4           |               |               |               |               |               |             | 4.7                 | **   |       |      |
| 89   | 15     | UC*     |            |     |     |     |     |     | 2.7 |     |               |               |               |               |               |               |               |               |               |               |               |               |             |                     |      | **    |      |
| 90   | 1      | UC*     |            |     |     |     |     |     | 5.7 |     |               |               |               |               |               |               |               |               |               |               |               |               |             | 60%T                |      |       |      |
| 90   | 7      | UC      | 1.2        |     |     |     |     |     | 5.3 |     |               | 7.4           |               | 6.6           |               |               |               |               |               |               |               |               |             |                     | 6.0  | 69%T  |      |
| 90   | 15     | UC*     |            |     |     |     |     |     | 2.8 |     |               |               |               |               |               |               |               |               |               |               |               |               |             |                     |      | **    |      |

**Table 6F** Number of cigarettes smoked per person per day, females:  
selected surveys by age; with percentage total sales  
(continues on p. 37)

| Year | Source | Product | Age Groups |     |     |     |     |     |     |     |         |         |         |         |         |         |         |         |         |         |         |         | All<br>ages | %<br>Total<br>sales |      |       |      |      |  |      |
|------|--------|---------|------------|-----|-----|-----|-----|-----|-----|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|---------------------|------|-------|------|------|--|------|
|      |        |         | 12         | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20<br>- | 25<br>- | 30<br>- | 35<br>- | 40<br>- | 45<br>- | 50<br>- | 55<br>- | 60<br>- | 65<br>- | 70<br>- | 75<br>- |             |                     | 80+  |       |      |      |  |      |
| 47   | 10     | UC*     |            |     |     |     |     |     |     | 7.3 |         |         | 7.6     |         | 4.9     |         | 2.6     |         | 1.2     |         |         |         |             |                     | 5.1  | 101%T |      |      |  |      |
| 55   | 4      | UC      |            |     |     |     |     |     | 3.3 |     | 4.6     |         |         | 4.0     |         | 2.8     |         | 1.2     |         | 0.3     |         |         |             |                     |      | 3.0   | 60%T |      |  |      |
| 58   | 13     | UC      |            |     | 0.2 | 0.5 | 0.8 | 1.4 |     |     |         |         |         |         |         |         |         |         |         |         |         |         |             |                     |      | 0.7   | **   |      |  |      |
| 59   | 9      | UC      |            |     |     |     |     |     |     |     |         |         | 6.9     |         | 6.7     | 6.3     | 5.7     | 4.5     | 3.1     | 2.0     | 1.4     | 0.9     | 0.6         | 0.2                 |      | **    |      |      |  |      |
| 59   | 14     | UC*     | 0.1        | 0.3 | 0.6 | 1.5 | 2.7 | 4.6 |     |     |         |         |         |         |         |         |         |         |         |         |         |         | 1.4         | **                  |      |       |      |      |  |      |
| 64   | 3      | UC      |            |     |     |     |     |     |     | 5.4 |         |         |         |         |         |         |         |         |         |         |         |         |             | 73%T                |      |       |      |      |  |      |
| 65   | 1      | UC      |            |     |     |     |     |     |     | 6.2 |         | 7.2     |         | 7.4     |         | 5.1     |         |         |         | 1.3     |         |         |             |                     |      | 5.4   | 69%T |      |  |      |
| 65   | 9      | UC      |            |     |     |     |     |     |     |     |         |         |         | 7.0     | 6.8     | 6.3     | 5.5     | 4.0     | 2.6     | 1.6     | 1.0     | 0.6     | 0.4         | 4.0                 | **   |       |      |      |  |      |
| 66   | 4      | UC      |            |     |     |     |     |     | 4.9 |     | 6.8     |         | 6.6     |         | 5.9     |         | 3.3     |         | 1.0     |         |         |         |             |                     | 4.9  | 61%T  |      |      |  |      |
| 67   | 4      | UC      |            |     |     |     |     |     | 4.4 |     | 6.6     |         |         |         | 4.9     |         |         |         | 1.1     |         |         |         |             |                     | 4.8  | 61%T  |      |      |  |      |
| 68   | 4      | UC      |            |     |     |     |     |     | 4.1 |     | 6.6     |         |         |         | 4.8     |         |         |         | 1.3     |         |         |         |             |                     | 4.7  | 61%T  |      |      |  |      |
| 68   | 20     | UC      | 0.0        | 0.1 | 0.0 | 0.7 | 0.9 | 1.3 | 2.1 |     |         |         |         |         |         |         |         |         |         |         |         |         | 0.7         | **                  |      |       |      |      |  |      |
| 70   | 3      | UC      |            |     |     |     |     |     |     | 5.2 |         | 7.3     |         | 7.2     |         | 6.6     |         | 4.1     |         | 1.4     |         |         |             |                     |      | 5.5   | 65%T |      |  |      |
| 70   | 20     | UC      | 0.0        | 0.1 | 0.4 | 1.0 | 1.6 | 1.7 | 2.9 |     |         |         |         |         |         |         |         |         |         |         |         |         | 1.1         | **                  |      |       |      |      |  |      |
| 72   | 20     | UC      | 0.0        | 0.2 | 0.3 | 1.3 | 1.4 | 2.8 | 3.2 |     |         |         |         |         |         |         |         |         |         |         |         |         | 1.4         | **                  |      |       |      |      |  |      |
| 74   | 1      | UC*     |            |     |     |     |     |     |     | 5.3 |         |         |         |         |         |         |         |         |         |         |         |         |             | 62%T                |      |       |      |      |  |      |
| 74   | 20     | UC      | 0.3        |     | 2.3 |     | 3.4 |     |     |     |         |         |         |         |         |         |         |         |         |         |         | 1.8     | **          |                     |      |       |      |      |  |      |
| 75   | 3      | UC      |            |     |     |     |     |     |     | 7.4 |         | 6.5     |         | 7.3     |         | 6.7     |         | 4.9     |         | 1.6     |         |         |             |                     |      | 5.5   | 64%T |      |  |      |
| 75   | 15     | UC*     |            |     |     |     |     |     | 3.4 |     |         |         |         |         |         |         |         |         |         |         |         |         |             |                     | **   |       |      |      |  |      |
| 76   | 1      | UC      |            |     |     |     |     |     |     | 5.4 |         | 6.8     |         | 6.9     |         | 6.3     |         |         |         | 2.0     |         |         |             |                     |      | 5.8   | 65%T |      |  |      |
| 76   | 15     | UC*     |            |     |     |     |     |     | 3.8 |     |         |         |         |         |         |         |         |         |         |         |         |         |             |                     | **   |       |      |      |  |      |
| 77   | 15     | UC*     |            |     |     |     |     |     | 3.9 |     |         |         |         |         |         |         |         |         |         |         |         |         |             |                     | **   |       |      |      |  |      |
| 78   | 1      | UC      |            |     |     |     |     |     |     | 5.6 |         | 6.4     |         | 6.8     |         | 6.1     |         |         |         | 1.9     |         |         |             |                     |      | 5.6   | 65%T |      |  |      |
| 78   | 15     | UC*     |            |     |     |     |     |     | 3.7 |     |         |         |         |         |         |         |         |         |         |         |         |         |             |                     | **   |       |      |      |  |      |
| 79   | 1      | UC      |            |     |     |     |     |     |     | 5.7 |         | 6.3     |         | 7.0     |         | 5.7     |         |         |         | 2.1     |         |         |             |                     |      | 5.4   | 64%T |      |  |      |
| 79   | 7      | UC      | 1.2        |     |     |     |     |     | 6.7 |     | 7.1     |         | 7.8     |         |         |         | 3.8     |         |         |         |         |         |             |                     | 5.5  | 68%T  |      |      |  |      |
| 79   | 8      | UC      |            |     |     |     |     |     |     | 5.8 |         |         | 7.1     |         | 5.7     |         | 5.5     |         |         |         |         |         |             |                     |      | 6.2   | **   |      |  |      |
| 79   | 15     | UC*     |            |     |     |     |     |     | 3.6 |     |         |         |         |         |         |         |         |         |         |         |         |         |             |                     | **   |       |      |      |  |      |
| 79   | 20     | UC      | 0.3        |     | 1.4 |     | 3.3 |     |     |     |         |         |         |         |         |         |         |         |         |         |         | 1.5     | **          |                     |      |       |      |      |  |      |
| 80   | 1      | UC      |            |     |     |     |     |     |     | 5.4 |         | 5.9     |         | 5.1     |         | 5.8     |         |         |         | 2.6     |         |         |             |                     |      | 5.5   | 63%T |      |  |      |
| 80   | 15     | UC*     |            |     |     |     |     |     | 3.1 |     |         |         |         |         |         |         |         |         |         |         |         |         |             |                     | **   |       |      |      |  |      |
| 81   | 15     | UC*     |            |     |     |     |     |     | 2.9 |     |         |         |         |         |         |         |         |         |         |         |         |         |             |                     | **   |       |      |      |  |      |
| 82   | 7      | UC      | 1.0        |     |     |     |     |     | 6.0 |     | 7.3     |         | 7.3     |         |         |         | 3.7     |         |         |         |         |         |             |                     | 5.1  | 69%T  |      |      |  |      |
| 82   | 9      | UC      |            |     |     |     |     |     |     |     |         |         | 5.2     |         | 5.7     | 5.2     | 5.1     | 4.7     | 4.3     | 3.5     | 2.8     | 1.9     | 1.3         | 0.6                 |      | **    |      |      |  |      |
| 82   | 15     | UC*     |            |     |     |     |     |     | 3.1 |     |         |         |         |         |         |         |         |         |         |         |         |         |             |                     | **   |       |      |      |  |      |
| 83   | 1      | UC      |            |     |     |     |     |     |     | 5.9 |         | 5.8     |         | 6.5     |         | 5.7     |         |         |         | 2.1     |         |         |             |                     |      | 5.3   | 66%T |      |  |      |
| 83   | 15     | UC*     |            |     |     |     |     |     | 2.9 |     |         |         |         |         |         |         |         |         |         |         |         |         |             |                     | **   |       |      |      |  |      |
| 84   | 15     | UC*     |            |     |     |     |     |     | 2.7 |     |         |         |         |         |         |         |         |         |         |         |         |         |             |                     | **   |       |      |      |  |      |
| 85   | 1      | UC      |            |     |     |     |     |     |     | 4.9 |         | 5.8     |         | 6.3     |         | 6.0     |         | 5.4     |         | 2.2     |         |         |             |                     |      | 5.1   | 66%T |      |  |      |
| 85   | 7      | UC      | 1.1        |     |     |     |     |     | 5.7 |     | 6.0     |         | 4.9     |         |         |         |         |         |         |         |         |         |             |                     |      |       | 4.8  | 70%T |  |      |
| 85   | 8      | UC      |            |     |     |     |     |     |     |     |         |         | 3.4     |         | 4.0     |         | 4.2     |         | 2.9     |         |         |         |             |                     |      |       | 3.8  | **   |  |      |
| 85   | 15     | UC*     |            |     |     |     |     |     | 2.6 |     |         |         |         |         |         |         |         |         |         |         |         |         |             |                     | **   |       |      |      |  |      |
| 86   | 3      | UC      |            |     |     |     |     |     |     |     |         |         |         |         |         | 4.4     |         |         |         |         |         |         |             | 62%T                |      |       |      |      |  |      |
| 86   | 15     | UC*     |            |     |     |     |     |     | 2.5 |     |         |         |         |         |         |         |         |         |         |         |         |         |             |                     | **   |       |      |      |  |      |
| 87   | 1      | UC      |            |     |     |     |     |     |     | 3.9 |         | 5.7     |         |         |         | 5.5     |         |         |         | 3.0     |         | 1.1     |             | 4.8                 | 66%T |       |      |      |  |      |
| 87   | 15     | UC*     |            |     |     |     |     |     | 2.6 |     |         |         |         |         |         |         |         |         |         |         |         |         |             |                     | **   |       |      |      |  |      |
| 88   | 1      | UC      |            |     |     |     |     |     |     | 4.4 |         | 5.9     |         |         |         | 5.8     |         |         |         | 3.1     |         | 1.1     |             | 5.0                 | 72%T |       |      |      |  |      |
| 88   | 7      | UC      | 0.8        |     |     |     |     |     | 4.7 |     | 5.8     |         | 4.1     |         |         |         |         |         |         |         |         |         |             |                     |      |       | 4.2  | 68%T |  |      |
| 88   | 15     | UC*     |            |     |     |     |     |     | 2.2 |     |         |         |         |         |         |         |         |         |         |         |         |         |             |                     | **   |       |      |      |  |      |
| 89   | 8      | UC      |            |     |     |     |     |     |     |     |         |         | 2.7     |         | 3.7     |         | 2.8     |         | 2.8     |         |         |         |             |                     |      |       | 3.1  | **   |  |      |
| 89   | 15     | UC*     |            |     |     |     |     |     | 2.4 |     |         |         |         |         |         |         |         |         |         |         |         |         |             |                     | **   |       |      |      |  |      |
| 90   | 1      | UC*     |            |     |     |     |     |     |     |     |         |         |         |         |         | 3.6     |         |         |         |         |         |         |             |                     |      |       |      |      |  | 60%T |
| 90   | 7      | UC      | 0.9        |     |     |     |     |     | 3.6 |     | 5.9     |         | 3.8     |         |         |         |         |         |         |         |         |         |             |                     |      |       | 3.9  | 69%T |  |      |
| 90   | 15     | UC*     |            |     |     |     |     |     | 2.4 |     |         |         |         |         |         |         |         |         |         |         |         |         |             |                     | **   |       |      |      |  |      |

**Table 6M** (continued from p. 34)  
Number of cigarettes smoked per person per day, males

| Year | Source | 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+ |
| 91   | 7      | UC      | 1.0        |     |     |     |     | 4.8 |     |     | 5.8           |               | 6.3           |               |               |               |               |               |               |               |             |                     | 5.4           | 70%T          |     |
| 91   | 15     | UC*     |            | 1.0 |     | 1.7 |     | 2.8 |     |     |               |               |               |               |               |               |               |               |               |               |             |                     |               |               | **  |
| 92   | 1      | UC*     |            |     |     |     |     |     |     |     |               |               |               |               |               |               |               | 5.6           |               |               |             |                     |               | 66%T          |     |
| 92   | 7      | UC      | 0.9        |     |     |     |     | 4.5 |     |     | 6.5           |               | 7.3           |               |               | 3.9           |               |               |               |               |             |                     | 5.1           | 68%T          |     |
| 92   | 15     | UC*     |            | 0.8 |     | 1.6 |     | 2.5 |     |     |               |               |               |               |               |               |               |               |               |               |             |                     |               |               | **  |
| 93   | 1      | UC*     |            |     |     |     |     |     |     |     |               |               |               |               |               |               |               | 5.3           |               |               |             |                     |               | 63%T          |     |
| 93   | 7      | UC      | 0.8        |     |     |     |     | 4.2 |     |     | 5.6           |               | 6.6           |               |               | 4.5           |               |               |               |               |             |                     | 4.8           | 66%T          |     |
| 93   | 15     | UC*     |            | 1.1 |     | 1.9 |     | 2.8 |     |     |               |               |               |               |               |               |               |               |               |               |             |                     |               |               | **  |
| 94   | 1      | UC*     |            |     |     |     |     |     |     |     |               |               |               |               |               |               |               | 5.2           |               |               |             |                     |               | 64%T          |     |
| 94   | 7      | UC      | 0.6        |     |     |     |     | 3.8 |     |     | 4.4           |               | 6.4           |               |               | 5.7           |               |               |               |               |             |                     | 4.8           | 63%T          |     |
| 94   | 7      | UC      | 0.5        |     |     |     |     | 3.3 |     |     | 4.7           |               | 6.2           |               |               | 4.3           |               |               |               |               |             |                     | 4.4           | 58%T          |     |
| 94   | 15     | UC*     |            | 1.1 |     | 2.1 |     | 3.0 |     |     |               |               |               |               |               |               |               |               |               |               |             |                     |               |               | **  |
| 95   | 1      | UC*     |            |     |     |     |     |     |     |     |               |               |               |               |               |               |               | 5.2           |               |               |             |                     |               | 64%T          |     |
| 95   | 7      | UC      | 0.8        |     |     |     |     | 3.4 |     |     | 5.1           |               | 6.6           |               |               | 4.0           |               |               |               |               |             |                     | 4.5           | 59%T          |     |
| 95   | 15     | UC*     |            | 1.0 |     | 2.2 |     | 3.2 |     |     |               |               |               |               |               |               |               |               |               |               |             |                     |               |               | **  |
| 96   | 7      | UC      | 0.6        |     |     |     |     | 4.0 |     |     | 4.9           |               | 6.8           |               |               | 3.3           |               |               |               |               |             |                     | 4.4           | 61%T          |     |
| 96   | 15     | UC*     |            | 1.3 |     | 2.5 |     | 3.3 |     |     |               |               |               |               |               |               |               |               |               |               |             |                     |               |               | **  |
| 96   | 21     | UC      |            | 1   |     | 1   |     |     |     |     |               |               |               |               |               |               |               |               |               |               |             |                     | **            |               |     |
| 97   | 2      | UC      |            |     |     |     |     | 2.7 | 4.8 | 4.2 | 4.5           | 5.9           | 5.9           | 5.5           | 6.4           | 5.4           | 3.9           | 3.6           | 2.1           | 1.8           | 0.5         |                     | 59%T          |               |     |
| 97   | 7      | UC      | 0.7        |     |     |     |     | 4.4 |     |     | 4.1           |               | 5.8           |               |               | 4.8           |               |               |               |               |             |                     | 4.5           | 65%T          |     |
| 97   | 15     | UC*     |            | 1.0 |     | 2.3 |     | 3.7 |     |     |               |               |               |               |               |               |               |               |               |               |             |                     |               |               | **  |
| 98   | 2      | UC      |            |     |     |     |     | 3.4 | 4.3 | 4.2 | 4.0           | 5.3           | 5.3           | 6.7           | 5.3           | 5.1           | 4.3           | 3.1           | 1.8           | 1.6           | 0.5         |                     | 60%T          |               |     |
| 98   | 7      | UC      | 0.7        |     |     |     |     | 4.3 |     |     | 4.1           |               | 5.0           |               |               | 3.1           |               |               |               |               |             |                     | 3.7           | 57%T          |     |
| 98   | 15     | UC*     |            | 1.0 |     | 2.0 |     | 3.3 |     |     |               |               |               |               |               |               |               |               |               |               |             |                     |               |               | **  |
| 98   | 21     | UC*     | 0          | 0   | 1   | 1   | 1   | 2   |     |     |               |               |               |               |               |               |               |               |               |               |             |                     |               |               | **  |
| 99   | 2      | UC      |            |     |     |     |     | 2.3 | 3.5 | 4.0 | 4.2           | 4.8           | 5.4           | 5.3           | 5.6           | 4.9           | 3.4           | 2.7           | 1.7           | 1.6           | 0.9         |                     | 60%T          |               |     |
| 99   | 7      | UC      | 0.6        |     |     |     |     | 3.5 |     |     | 3.9           |               | 4.8           |               |               | 3.2           |               |               |               |               |             |                     | 3.5           | 56%T          |     |
| 99   | 15     | UC*     |            | 0.9 |     | 2.0 |     | 3.5 |     |     |               |               |               |               |               |               |               |               |               |               |             |                     |               |               | **  |
| 00   | 2      | UC      |            |     |     |     |     | 2.4 | 3.7 | 4.0 | 4.3           | 4.4           | 6.1           | 5.5           | 5.4           | 5.0           | 3.7           | 3.0           | 1.8           | 1.2           | 0.5         |                     | 63%T          |               |     |
| 00   | 7      | UC      | 0.1        |     | 0.3 |     | 1.3 |     | 3.1 | 3.7 | 3.7           | 4.4           |               |               | 3.2           |               |               |               |               |               |             | 3.3                 | 57%T          |               |     |
| 00   | 15     | UC*     |            | 0.8 |     | 1.7 |     | 2.8 |     |     |               |               |               |               |               |               |               |               |               |               |             |                     |               |               | **  |
| 01   | 2      | UC      |            |     |     |     |     | 3.5 | 3.6 | 3.4 | 3.6           | 4.6           | 4.9           | 5.1           | 5.0           | 5.4           | 3.8           | 2.7           | 1.8           | 1.1           | 0.7         |                     | 61%T          |               |     |
| 01   | 7      | UC      | 0.0        |     | 0.3 |     | 1.1 |     | 3.0 | 3.7 | 3.7           | 4.4           |               |               | 2.8           |               |               |               |               |               |             | 3.2                 | 55%T          |               |     |
| 01   | 15     | UC*     |            | 0.7 |     | 1.6 |     | 2.5 |     |     |               |               |               |               |               |               |               |               |               |               |             |                     |               |               | **  |
| 02   | 2      | UC      |            |     |     |     |     | 2.9 | 3.7 | 3.0 | 4.0           | 4.7           | 4.9           | 5.2           | 4.7           | 3.6           | 4.2           | 2.3           | 1.8           | 1.2           | 0.7         |                     | 60%T          |               |     |
| 02   | 7      | UC      | 0.0        |     | 0.2 |     | 1.2 |     | 2.7 | 3.8 | 3.5           | 4.5           |               |               | 3.1           |               |               |               |               |               |             | 3.3                 | 58%T          |               |     |
| 02   | 15     | UC*     |            | 0.6 |     | 1.1 |     | 2.4 |     |     |               |               |               |               |               |               |               |               |               |               |             |                     |               |               | **  |
| 03   | 7      | UC      | 0.0        |     | 0.2 |     | 1.0 |     | 2.7 | 3.7 | 3.5           | 4.2           |               |               | 3.0           |               |               |               |               |               |             | 3.2                 | 57%T          |               |     |
| 03   | 15     | UC*     |            | 0.5 |     | 1.1 |     | 2.4 |     |     |               |               |               |               |               |               |               |               |               |               |             |                     |               |               | **  |
| 04   | 7      | UC      | 0.0        |     | 0.1 |     | 0.9 |     | 2.4 | 3.6 | 3.6           | 4.6           |               |               | 3.2           |               |               |               |               |               |             | 3.3                 | 61%T          |               |     |
| 04   | 15     | UC*     |            | 0.5 |     | 1.0 |     | 2.0 |     |     |               |               |               |               |               |               |               |               |               |               |             |                     |               |               | **  |
| 05   | 15     | UC*     |            | 0.5 |     | 0.8 |     | 2.0 |     |     |               |               |               |               |               |               |               |               |               |               |             |                     |               |               | **  |

Source: see *Notes on sources of survey data*, p. 49  
 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. 49  
 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  
 \*\* = cannot be calculated  
 -- = adjusted by original author

**Table 6F** (continued from p. 35)  
Number of cigarettes smoked per person per day, females

| Year | Source | 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 |
| 91   | 7      | UC      | 0.6        |     |     |     |     | 4.1 |     |     | 5.0           |               | 4.5           |               |               |               |               |               |               |             |                     |               | 4.2           | 70%T          |
| 91   | 15     | UC*     |            | 0.6 |     | 1.4 |     | 2.1 |     |     |               |               |               |               |               |               |               |               |               |             |                     |               | **            |               |
| 92   | 1      | UC*     |            |     |     |     |     | 3.9 |     |     |               |               |               |               |               |               |               |               |               |             | 66%T                |               |               |               |
| 92   | 7      | UC      | 0.6        |     |     |     |     | 4.2 |     |     | 4.9           |               | 5.2           |               |               | 3.3           |               |               |               |             |                     | 4.0           | 68%T          |               |
| 92   | 15     | UC*     |            | 0.7 |     | 1.3 |     | 2.0 |     |     |               |               |               |               |               |               |               |               |               |             |                     |               | **            |               |
| 93   | 1      | UC*     |            |     |     |     |     | 3.5 |     |     |               |               |               |               |               |               |               |               |               |             | 63%T                |               |               |               |
| 93   | 7      | UC      | 0.6        |     |     |     |     | 3.3 |     |     | 4.6           |               | 5.0           |               |               | 2.9           |               |               |               |             |                     | 3.6           | 66%T          |               |
| 93   | 15     | UC*     |            | 0.7 |     | 1.5 |     | 2.2 |     |     |               |               |               |               |               |               |               |               |               |             |                     |               | **            |               |
| 94   | 1      | UC*     |            |     |     |     |     | 3.5 |     |     |               |               |               |               |               |               |               |               |               |             | 64%T                |               |               |               |
| 94   | 7      | UC      | 0.9        |     |     |     |     | 3.2 |     |     | 3.7           |               | 5.0           |               |               | 2.2           |               |               |               |             |                     | 3.2           | 63%T          |               |
| 94   | 7      | UC      | 0.5        |     |     |     |     | 2.9 |     |     | 3.6           |               | 4.4           |               |               | 2.1           |               |               |               |             |                     | 2.9           | 58%T          |               |
| 94   | 15     | UC*     |            | 0.8 |     | 1.5 |     | 2.1 |     |     |               |               |               |               |               |               |               |               |               |             |                     |               | **            |               |
| 95   | 1      | UC*     |            |     |     |     |     | 3.5 |     |     |               |               |               |               |               |               |               |               |               |             | 64%T                |               |               |               |
| 95   | 7      | UC      | 0.5        |     |     |     |     | 3.0 |     |     | 3.9           |               | 4.0           |               |               | 2.2           |               |               |               |             |                     | 2.9           | 59%T          |               |
| 95   | 15     | UC*     |            | 0.9 |     | 1.8 |     | 2.5 |     |     |               |               |               |               |               |               |               |               |               |             |                     |               | **            |               |
| 96   | 7      | UC      | 0.7        |     |     |     |     | 2.8 |     |     | 3.8           |               | 4.2           |               |               | 2.6           |               |               |               |             |                     | 3.1           | 61%T          |               |
| 96   | 15     | UC*     |            | 1.0 |     | 2.1 |     | 2.6 |     |     |               |               |               |               |               |               |               |               |               |             |                     |               | **            |               |
| 96   | 21     | UC      |            | 0   |     | 1   |     |     |     |     |               |               |               |               |               |               |               |               |               |             |                     |               |               | **            |
| 97   | 2      | UC      |            |     |     |     |     | 2.1 | 3.2 | 3.2 | 2.9           | 3.9           | 4.2           | 3.9           | 3.8           | 3.2           | 3.2           | 2.6           | 1.8           | 1.0         | 0.6                 |               | 59%T          |               |
| 97   | 7      | UC      | 0.8        |     |     |     |     | 2.8 |     |     | 3.4           |               | 5.0           |               |               | 2.9           |               |               |               |             |                     | 3.4           | 65%T          |               |
| 97   | 15     | UC*     |            | 0.8 |     | 2.0 |     | 2.8 |     |     |               |               |               |               |               |               |               |               |               |             |                     |               | **            |               |
| 98   | 2      | UC      |            |     |     |     |     | 2.8 | 3.0 | 2.8 | 3.4           | 4.2           | 3.7           | 3.8           | 4.0           | 3.5           | 2.8           | 2.6           | 1.4           | 1.2         | 0.5                 |               | 60%T          |               |
| 98   | 7      | UC      | 0.6        |     |     |     |     | 3.0 |     |     | 3.5           |               | 3.8           |               |               | 2.4           |               |               |               |             |                     | 2.8           | 57%T          |               |
| 98   | 15     | UC*     |            | 0.9 |     | 1.8 |     | 2.5 |     |     |               |               |               |               |               |               |               |               |               |             |                     |               | **            |               |
| 98   | 21     | UC*     | 0          | 0   | 0   | 1   | 1   | 1   |     |     |               |               |               |               |               |               |               |               |               |             |                     |               | **            |               |
| 99   | 2      | UC      |            |     |     |     |     | 2.6 | 2.8 | 2.9 | 3.1           | 3.9           | 3.7           | 3.9           | 3.5           | 2.9           | 2.5           | 2.3           | 1.4           | 1.2         | 0.6                 |               | 60%T          |               |
| 99   | 7      | UC      | 0.5        |     |     |     |     | 2.8 |     |     | 3.0           |               | 3.4           |               |               | 2.2           |               |               |               |             |                     | 2.6           | 56%T          |               |
| 99   | 15     | UC*     |            | 0.8 |     | 1.7 |     | 2.6 |     |     |               |               |               |               |               |               |               |               |               |             |                     |               | **            |               |
| 00   | 2      | UC      |            |     |     |     |     | 2.6 | 2.6 | 2.3 | 2.8           | 3.9           | 3.9           | 3.4           | 3.3           | 3.3           | 3.0           | 1.7           | 1.6           | 1.1         | 0.3                 |               | 63%T          |               |
| 00   | 7      | UC      | 0.1        |     | 0.3 |     | 1.0 |     | 2.9 | 2.6 | 2.6           |               | 3.5           |               |               | 2.3           |               |               |               |             |                     | 2.5           | 57%T          |               |
| 00   | 15     | UC*     |            | 0.7 |     | 1.4 |     | 2.4 |     |     |               |               |               |               |               |               |               |               |               |             |                     |               | **            |               |
| 01   | 2      | UC      |            |     |     |     |     | 1.7 | 2.5 | 2.6 | 2.8           | 3.7           | 3.9           | 3.1           | 3.7           | 3.2           | 2.8           | 1.9           | 1.5           | 0.9         | 0.3                 |               | 61%T          |               |
| 01   | 7      | UC      | 0.1        |     | 0.4 |     | 1.2 |     | 2.3 | 2.6 | 2.8           |               | 3.5           |               |               | 1.8           |               |               |               |             |                     | 2.4           | 55%T          |               |
| 01   | 15     | UC*     |            | 0.5 |     | 1.3 |     | 2.3 |     |     |               |               |               |               |               |               |               |               |               |             |                     |               | **            |               |
| 02   | 2      | UC      |            |     |     |     |     | 2.0 | 2.3 | 2.7 | 2.8           | 3.1           | 3.5           | 3.9           | 2.9           | 2.7           | 2.8           | 1.7           | 1.3           | 1.0         | 0.5                 |               | 60%T          |               |
| 02   | 7      | UC      | 0.0        |     | 0.2 |     | 1.0 |     | 2.2 | 2.8 | 2.7           |               | 3.6           |               |               | 2.0           |               |               |               |             |                     | 2.5           | 58%T          |               |
| 02   | 15     | UC*     |            | 0.5 |     | 1.1 |     | 1.8 |     |     |               |               |               |               |               |               |               |               |               |             |                     |               | **            |               |
| 03   | 7      | UC      | 0.0        |     | 0.2 |     | 0.8 |     | 2.0 | 2.7 | 2.8           |               | 3.3           |               |               | 1.9           |               |               |               |             |                     | 2.3           | 57%T          |               |
| 03   | 15     | UC*     |            | 0.4 |     | 0.9 |     | 1.6 |     |     |               |               |               |               |               |               |               |               |               |             |                     |               | **            |               |
| 04   | 7      | UC      | 0.0        |     | 0.2 |     | 0.7 |     | 2.0 | 2.4 | 2.4           |               | 3.4           |               |               | 2.1           |               |               |               |             |                     | 2.3           | 61%T          |               |
| 04   | 15     | UC*     |            | 0.4 |     | 0.8 |     | 1.7 |     |     |               |               |               |               |               |               |               |               |               |             |                     |               | **            |               |
| 05   | 15     | UC*     |            | 0.4 |     | 0.8 |     | 1.3 |     |     |               |               |               |               |               |               |               |               |               |             |                     |               | **            |               |

Source: see *Notes on sources of survey data*, p. 49  
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. 49  
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  
\*\* = cannot be calculated  
-- = 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

| Year | Source | 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+  |       |
| 47   | 10     | UC*     |            |    |     |    |     |    | 17  |    |               | 18            |               | 16            |               |               | 14            |               | 6.5           |               |               |             |                     |               | 15   | 101%T |
| 55   | 4      | UC      |            |    |     |    |     |    | 13  |    |               | 18            |               | 19            |               | 17            |               | 12            |               | 5.2           |               |             |                     | 15            | 60%T |       |
| 64   | 3      | UC      |            |    |     |    |     |    |     |    |               | 16            |               |               |               |               |               |               |               |               |               |             | 73%T                |               |      |       |
| 65   | 1      | UC      |            |    |     |    |     |    | 15  |    | 18            |               | 18            |               | 16            |               |               |               | 6.8           |               |               |             | 15                  | 69%T          |      |       |
| 66   | 4      | UC      |            |    |     |    |     |    | 13  |    |               | 18            |               | 19            |               | 17            |               | 14            |               | 5.9           |               |             |                     | 15            | 61%T |       |
| 67   | 4      | UC      |            |    |     |    |     |    | 12  |    |               | 18            |               |               |               | 16            |               |               |               | 6.4           |               |             |                     | 15            | 61%T |       |
| 68   | 4      | UC      |            |    |     |    |     |    | 11  |    |               | 18            |               |               |               | 15            |               |               |               | 6.5           |               |             |                     | 14            | 61%T |       |
| 70   | 3      | UC      |            |    |     |    |     |    | 16  |    | 15            |               | 17            |               | 16            |               | 13            |               | 6.0           |               |               |             | 14                  | 65%T          |      |       |
| 74   | 1      | UC*     |            |    |     |    |     |    | 14  |    |               |               |               |               |               |               |               |               |               |               |               |             |                     | 62%T          |      |       |
| 75   | 3      | UC      |            |    |     |    |     |    | 12  |    | 15            |               | 17            |               | 16            |               | 13            |               | 7.7           |               |               |             | 14                  | 64%T          |      |       |
| 76   | 1      | UC      |            |    |     |    |     |    | 13  |    | 16            |               | 17            |               | 14            |               |               | 6.3           |               |               |               | 14          | 65%T                |               |      |       |
| 78   | 1      | UC      |            |    |     |    |     |    | 11  |    | 14            |               | 16            |               | 15            |               |               | 6.6           |               |               |               | 14          | 65%T                |               |      |       |
| 79   | 1      | UC      |            |    |     |    |     |    | 11  |    | 15            |               | 16            |               | 14            |               |               | 5.7           |               |               |               | 13          | 64%T                |               |      |       |
| 79   | 7      | UC      | 2.2        |    |     |    |     |    | 11  |    |               |               | 14            |               | 18            |               |               | 8.7           |               |               |               |             | 11                  | 68%T          |      |       |
| 80   | 1      | UC      |            |    |     |    |     |    | 12  |    | 15            |               | 16            |               | 15            |               |               | 5.8           |               |               |               | 13          | 63%T                |               |      |       |
| 82   | 7      | UC      | 2.9        |    |     |    |     |    | 8.3 |    |               |               | 15            |               | 16            |               |               | 11            |               |               |               |             | 11                  | 69%T          |      |       |
| 83   | 1      | UC      |            |    |     |    |     |    | 10  |    | 12            |               | 15            |               | 13            |               |               | 6.2           |               |               |               | 12          | 66%T                |               |      |       |
| 85   | 1      | UC      |            |    |     |    |     |    | 8.0 |    |               | 12            |               | 14            |               | 12            |               | 12            |               | 6.0           |               |             |                     | 11            | 66%T |       |
| 85   | 7      | UC      | 2.3        |    |     |    |     |    | 8.4 |    |               |               | 13            |               | 11            |               |               |               |               |               |               | 9.8         | 70%T                |               |      |       |
| 86   | 3      | UC      |            |    |     |    |     |    | 11  |    |               |               |               |               |               |               |               |               |               |               | 62%T          |             |                     |               |      |       |
| 87   | 1      | UC      |            |    |     |    |     |    | 7.1 |    |               | 12            |               |               |               | 12            |               |               | 6.4           |               | 2.8           |             | 10                  | 66%T          |      |       |
| 88   | 1      | UC      |            |    |     |    |     |    | 6.6 |    |               | 12            |               |               |               | 11            |               |               | 6.2           |               | 2.7           |             | 9.9                 | 72%T          |      |       |
| 88   | 7      | UC      | 1.6        |    |     |    |     |    | 7.3 |    |               |               | 12            |               | 11            |               |               |               |               |               |               | 9.3         | 68%T                |               |      |       |
| 90   | 1      | UC*     |            |    |     |    |     |    | 9.4 |    |               |               |               |               |               |               |               |               |               |               |               |             |                     | 60%T          |      |       |
| 90   | 7      | UC      | 1.7        |    |     |    |     |    | 7.7 |    |               |               |               | 11            |               | 9.5           |               |               |               |               | 8.6           | 69%T        |                     |               |      |       |
| 91   | 7      | UC      | 1.4        |    |     |    |     |    | 6.9 |    |               |               |               | 8.3           |               | 8.9           |               |               |               |               | 7.7           | 70%T        |                     |               |      |       |
| 92   | 1      | UC*     |            |    |     |    |     |    | 8.5 |    |               |               |               |               |               |               |               |               |               |               |               |             |                     | 66%T          |      |       |
| 92   | 7      | UC      | 1.3        |    |     |    |     |    | 6.6 |    |               |               |               | 9.5           |               | 11            |               |               | 5.7           |               |               |             |                     | 7.4           | 68%T |       |
| 93   | 1      | UC*     |            |    |     |    |     |    | 8.3 |    |               |               |               |               |               |               |               |               |               |               |               |             |                     | 63%T          |      |       |
| 93   | 7      | UC      | 1.2        |    |     |    |     |    | 6.3 |    |               |               |               | 8.4           |               | 9.9           |               |               | 6.8           |               |               |             |                     | 7.3           | 66%T |       |
| 94   | 1      | UC*     |            |    |     |    |     |    | 8.2 |    |               |               |               |               |               |               |               |               |               |               |               |             |                     | 64%T          |      |       |
| 94   | 7      | UC      | 1.0        |    |     |    |     |    | 6.1 |    |               |               |               | 6.9           |               | 10            |               |               | 8.9           |               |               |             |                     | 7.6           | 63%T |       |
| 94   | 7      | UC      | 0.9        |    |     |    |     |    | 5.6 |    |               |               |               | 8.2           |               | 11            |               |               | 7.5           |               |               |             |                     | 7.5           | 58%T |       |
| 95   | 1      | UC*     |            |    |     |    |     |    | 8.1 |    |               |               |               |               |               |               |               |               |               |               |               |             |                     | 64%T          |      |       |
| 95   | 7      | UC      | 1.3        |    |     |    |     |    | 5.8 |    |               |               |               | 8.6           |               | 11            |               |               | 6.7           |               |               |             |                     | 7.6           | 59%T |       |
| 96   | 7      | UC      | 1.0        |    |     |    |     |    | 6.7 |    |               |               |               | 8.2           |               | 11            |               |               | 5.4           |               |               |             |                     | 7.2           | 61%T |       |
| 97   | 2      | UC      |            |    |     |    |     |    | 4.6 |    | 8.1           | 7.1           | 7.5           | 9.9           | 10            | 9.3           | 11            | 9.1           | 6.6           | 6.0           | 3.6           | 3.0         | 0.8                 |               | 59%T |       |
| 97   | 7      | UC      | 1.1        |    |     |    |     |    | 6.7 |    |               | 6.4           |               |               | 8.9           |               |               | 7.3           |               |               |               |             |                     |               | 6.9  | 65%T  |
| 98   | 2      | UC      |            |    |     |    |     |    | 5.6 |    | 7.2           | 6.9           | 6.6           | 8.8           | 8.7           | 11            | 8.8           | 8.5           | 7.2           | 5.2           | 3.0           | 2.6         | 0.8                 |               | 60%T |       |
| 98   | 7      | UC      | 1.2        |    |     |    |     |    | 7.5 |    |               |               |               | 7.2           |               | 8.8           |               |               | 5.5           |               |               |             |                     | 6.5           | 57%T |       |
| 99   | 2      | UC      |            |    |     |    |     |    | 3.8 |    | 5.8           | 6.5           | 7.0           | 7.9           | 8.9           | 8.8           | 9.2           | 8.1           | 5.6           | 4.5           | 2.8           | 2.6         | 1.5                 |               | 60%T |       |
| 99   | 7      | UC      | 1.1        |    |     |    |     |    | 6.1 |    |               | 6.8           |               |               | 8.5           |               |               | 5.6           |               |               |               |             |                     |               | 6.2  | 56%T  |
| 00   | 2      | UC      |            |    |     |    |     |    | 3.9 |    | 5.9           | 6.3           | 6.8           | 7.0           | 9.7           | 8.7           | 8.6           | 7.9           | 5.9           | 4.8           | 2.9           | 1.9         | 0.8                 |               | 63%T |       |
| 00   | 7      | UC      | 0.1        |    | 0.5 |    | 2.3 |    | 5.5 |    | 6.5           | 6.5           |               | 7.7           |               |               | 5.5           |               |               |               |               |             |                     | 5.8           | 57%T |       |
| 01   | 2      | UC      |            |    |     |    |     |    | 5.7 |    | 5.9           | 5.6           | 5.9           | 7.6           | 8.0           | 8.4           | 8.2           | 8.9           | 6.2           | 4.4           | 3.0           | 1.8         | 1.1                 |               | 61%T |       |
| 01   | 7      | UC      | 0.1        |    | 0.6 |    | 2.0 |    | 5.4 |    | 6.7           | 6.6           |               | 7.9           |               |               | 5.1           |               |               |               |               |             |                     | 5.8           | 55%T |       |
| 02   | 2      | UC      |            |    |     |    |     |    | 4.8 |    | 6.2           | 5.1           | 6.7           | 7.9           | 8.2           | 8.6           | 7.9           | 6.0           | 7.0           | 3.8           | 3.0           | 2.0         | 1.2                 |               | 60%T |       |
| 02   | 7      | UC      | 0.0        |    | 0.4 |    | 2.0 |    | 4.7 |    | 6.6           | 6.0           |               | 7.8           |               |               | 5.3           |               |               |               |               |             |                     | 5.7           | 58%T |       |
| 03   | 7      | UC      | 0.0        |    | 0.4 |    | 1.8 |    | 4.6 |    | 6.4           | 6.1           |               | 7.4           |               |               | 5.2           |               |               |               |               |             |                     | 5.5           | 57%T |       |
| 04   | 7      | UC      | 0.0        |    | 0.2 |    | 1.5 |    | 4.0 |    | 5.9           | 5.9           |               | 7.5           |               |               | 5.3           |               |               |               |               |             |                     | 5.4           | 61%T |       |

<sup>1</sup> 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)

Source: see *Notes on sources of survey data*, p. 49  
 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. 49  
 All ages: relates to ages reported; as given in original source  
 % Total sales: Adjustment factor used, estimated % of total sales  
 of M = manufactured or T = total cigarette consumption  
 implied by survey, sexes combined,  
 -- = adjusted by original author

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

| Year | Source | Product | Age Groups |    |     |    |     |     |     |     |         |         |         |         |         |         |         |         |         |         |         | All ages | % Total sales |         |       |
|------|--------|---------|------------|----|-----|----|-----|-----|-----|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------------|---------|-------|
|      |        |         | 12         | 13 | 14  | 15 | 16  | 17  | 18  | 19  | 20 - 24 | 25 - 29 | 30 - 34 | 35 - 39 | 40 - 44 | 45 - 49 | 50 - 54 | 55 - 59 | 60 - 64 | 65 - 69 | 70 - 74 |          |               | 75 - 79 | 80+   |
| 47   | 10     | UC*     |            |    |     |    |     |     |     | 7.2 |         |         | 7.5     |         | 4.8     |         | 2.5     |         | 1.2     |         |         |          |               | 5.0     | 101%T |
| 55   | 4      | UC      |            |    |     |    |     | 5.5 |     |     | 7.7     |         |         | 6.7     |         | 4.7     |         | 2.0     |         | 0.5     |         |          |               | 5.0     | 60%T  |
| 64   | 3      | UC      |            |    |     |    |     |     |     | 7.4 |         |         |         |         |         |         |         |         |         |         |         | 5.0      | 73%T          |         |       |
| 65   | 1      | UC      |            |    |     |    |     |     |     | 9.0 |         | 10      |         | 11      |         | 7.4     |         |         |         | 1.9     |         |          |               | 7.8     | 69%T  |
| 66   | 4      | UC      |            |    |     |    |     | 8.0 |     |     | 11      |         | 11      |         | 9.6     |         | 5.4     |         | 1.6     |         |         |          | 8.0           | 61%T    |       |
| 67   | 4      | UC      |            |    |     |    |     | 7.2 |     |     | 11      |         |         |         | 8.1     |         |         |         | 1.8     |         |         |          | 7.9           | 61%T    |       |
| 68   | 4      | UC      |            |    |     |    |     | 6.7 |     |     | 11      |         |         |         | 7.8     |         |         |         | 2.1     |         |         |          | 7.7           | 61%T    |       |
| 70   | 3      | UC      |            |    |     |    |     |     | 8.0 |     | 11      |         | 11      |         | 10      |         | 6.3     |         | 2.2     |         |         |          | 8.5           | 65%T    |       |
| 74   | 1      | UC*     |            |    |     |    |     | 8.5 |     |     |         |         |         |         |         |         |         |         |         |         |         |          | 62%T          |         |       |
| 75   | 3      | UC      |            |    |     |    |     |     |     | 12  |         | 10      |         | 11      |         | 10      |         | 7.7     |         | 2.5     |         |          |               | 8.6     | 64%T  |
| 76   | 1      | UC      |            |    |     |    |     |     |     | 8.3 |         | 10      |         | 11      |         | 9.7     |         |         |         | 3.1     |         |          |               | 8.9     | 65%T  |
| 78   | 1      | UC      |            |    |     |    |     |     |     | 8.6 |         | 9.9     |         | 10      |         | 9.4     |         |         |         | 3.0     |         |          |               | 8.6     | 65%T  |
| 79   | 1      | UC      |            |    |     |    |     |     |     | 8.9 |         | 9.9     |         | 11      |         | 9.0     |         |         |         | 3.3     |         |          |               | 8.5     | 64%T  |
| 79   | 7      | UC      | 1.8        |    |     |    |     | 9.8 |     |     | 10      |         | 11      |         |         | 5.5     |         |         |         |         |         |          | 8.0           | 68%T    |       |
| 80   | 1      | UC      |            |    |     |    |     |     |     | 8.6 |         | 9.4     |         | 8.2     |         | 9.3     |         |         |         | 4.2     |         |          |               | 8.8     | 63%T  |
| 82   | 7      | UC      | 1.5        |    |     |    |     | 8.7 |     |     | 11      |         | 11      |         |         | 5.3     |         |         |         |         |         |          | 7.4           | 69%T    |       |
| 83   | 1      | UC      |            |    |     |    |     |     |     | 9.0 |         | 8.8     |         | 9.9     |         | 8.7     |         |         |         | 3.2     |         |          |               | 8.0     | 66%T  |
| 85   | 1      | UC      |            |    |     |    |     | 7.4 |     |     | 8.7     |         | 9.5     |         | 9.0     |         | 8.1     |         | 3.3     |         |         |          | 7.7           | 66%T    |       |
| 85   | 7      | UC      | 1.6        |    |     |    |     | 8.1 |     |     | 8.6     |         | 7.0     |         |         |         |         |         |         |         |         |          | 6.9           | 70%T    |       |
| 86   | 3      | UC      |            |    |     |    |     | 7.1 |     |     |         |         |         |         |         |         |         |         |         |         |         |          | 62%T          |         |       |
| 87   | 1      | UC      |            |    |     |    |     | 5.9 |     |     | 8.5     |         |         |         | 8.3     |         |         |         | 4.5     |         | 1.7     |          | 7.2           | 66%T    |       |
| 88   | 1      | UC      |            |    |     |    |     | 6.2 |     |     | 8.3     |         |         |         | 8.1     |         |         |         | 4.3     |         | 1.5     |          | 7.0           | 72%T    |       |
| 88   | 7      | UC      | 1.2        |    |     |    |     | 6.9 |     |     | 8.5     |         | 6.0     |         |         |         |         |         |         |         |         |          | 6.1           | 68%T    |       |
| 90   | 1      | UC*     |            |    |     |    |     |     |     | 6.0 |         |         |         |         |         |         |         |         |         |         |         |          |               |         | 60%T  |
| 90   | 7      | UC      | 1.2        |    |     |    |     | 5.2 |     |     | 8.5     |         | 5.5     |         |         |         |         |         |         |         |         |          | 5.6           | 69%T    |       |
| 91   | 7      | UC      | 0.9        |    |     |    |     | 5.8 |     |     | 7.1     |         | 6.4     |         |         |         |         |         |         |         |         |          | 5.9           | 70%T    |       |
| 92   | 1      | UC*     |            |    |     |    |     |     |     | 5.9 |         |         |         |         |         |         |         |         |         |         |         |          |               |         | 66%T  |
| 92   | 7      | UC      | 0.9        |    |     |    |     | 6.2 |     |     | 7.1     |         | 7.7     |         |         | 4.8     |         |         |         |         |         |          | 5.8           | 68%T    |       |
| 93   | 1      | UC*     |            |    |     |    |     |     |     | 5.5 |         |         |         |         |         |         |         |         |         |         |         |          |               |         | 63%T  |
| 93   | 7      | UC      | 0.9        |    |     |    |     | 5.0 |     |     | 6.9     |         | 7.6     |         |         | 4.4     |         |         |         |         |         |          | 5.4           | 66%T    |       |
| 94   | 1      | UC*     |            |    |     |    |     |     |     | 5.5 |         |         |         |         |         |         |         |         |         |         |         |          |               |         | 64%T  |
| 94   | 7      | UC      | 1.4        |    |     |    |     | 5.0 |     |     | 5.8     |         | 7.8     |         |         | 3.4     |         |         |         |         |         |          | 5.0           | 63%T    |       |
| 94   | 7      | UC      | 0.9        |    |     |    |     | 5.0 |     |     | 6.2     |         | 7.6     |         |         | 3.7     |         |         |         |         |         |          | 5.1           | 58%T    |       |
| 95   | 1      | UC*     |            |    |     |    |     |     |     | 5.5 |         |         |         |         |         |         |         |         |         |         |         |          |               |         | 64%T  |
| 95   | 7      | UC      | 0.9        |    |     |    |     | 5.0 |     |     | 6.6     |         | 6.8     |         |         | 3.7     |         |         |         |         |         |          | 4.9           | 59%T    |       |
| 96   | 7      | UC      | 1.2        |    |     |    |     | 4.6 |     |     | 6.2     |         | 6.9     |         |         | 4.3     |         |         |         |         |         |          | 5.1           | 61%T    |       |
| 97   | 2      | UC      |            |    |     |    |     | 3.5 |     | 5.4 | 5.5     | 4.9     | 6.6     | 7.1     | 6.5     | 6.4     | 5.3     | 5.3     | 4.4     | 3.0     | 1.7     | 1.0      |               | 59%T    |       |
| 97   | 7      | UC      | 1.3        |    |     |    |     | 4.3 |     |     | 5.2     |         | 7.7     |         |         | 4.5     |         |         |         |         |         |          | 5.2           | 65%T    |       |
| 98   | 2      | UC      |            |    |     |    |     | 4.6 |     | 4.9 | 4.7     | 5.7     | 6.9     | 6.2     | 6.3     | 6.6     | 5.8     | 4.6     | 4.3     | 2.4     | 1.9     | 0.8      |               | 60%T    |       |
| 98   | 7      | UC      | 1.1        |    |     |    |     | 5.3 |     |     | 6.1     |         | 6.7     |         |         | 4.2     |         |         |         |         |         |          | 5.0           | 57%T    |       |
| 99   | 2      | UC      |            |    |     |    |     | 4.3 |     | 4.6 | 4.8     | 5.1     | 6.5     | 6.2     | 6.4     | 5.7     | 4.8     | 4.2     | 3.8     | 2.3     | 1.9     | 0.9      |               | 60%T    |       |
| 99   | 7      | UC      | 0.9        |    |     |    |     | 4.9 |     |     | 5.2     |         | 6.0     |         |         | 3.9     |         |         |         |         |         |          | 4.5           | 56%T    |       |
| 00   | 2      | UC      |            |    |     |    |     | 4.2 |     | 4.1 | 3.7     | 4.4     | 6.1     | 6.2     | 5.4     | 5.3     | 5.3     | 4.8     | 2.7     | 2.6     | 1.7     | 0.5      |               | 63%T    |       |
| 00   | 7      | UC      | 0.1        |    | 0.6 |    | 1.8 |     | 5.0 |     | 4.5     | 4.5     |         | 6.1     |         |         | 4.0     |         |         |         |         |          |               | 4.4     | 57%T  |
| 01   | 2      | UC      |            |    |     |    |     | 2.8 |     | 4.0 | 4.3     | 4.6     | 6.0     | 6.5     | 5.1     | 6.1     | 5.3     | 4.6     | 3.1     | 2.5     | 1.5     | 0.6      |               | 61%T    |       |
| 01   | 7      | UC      | 0.1        |    | 0.6 |    | 2.1 |     | 4.2 |     | 4.8     | 5.1     |         | 6.4     |         |         | 3.3     |         |         |         |         |          |               | 4.3     | 55%T  |
| 02   | 2      | UC      |            |    |     |    |     | 3.4 |     | 3.9 | 4.5     | 4.7     | 5.1     | 5.9     | 6.5     | 4.9     | 4.5     | 4.6     | 2.8     | 2.2     | 1.7     | 0.9      |               | 60%T    |       |
| 02   | 7      | UC      | 0.0        |    | 0.4 |    | 1.8 |     | 3.8 |     | 4.8     | 4.6     |         | 6.1     |         |         | 3.5     |         |         |         |         |          |               | 4.2     | 58%T  |
| 03   | 7      | UC      | 0.0        |    | 0.4 |    | 1.4 |     | 3.5 |     | 4.7     | 4.9     |         | 5.7     |         |         | 3.3     |         |         |         |         |          |               | 4.0     | 57%T  |
| 04   | 7      | UC      | 0.0        |    | 0.3 |    | 1.2 |     | 3.3 |     | 4.0     | 3.9     |         | 5.5     |         |         | 3.5     |         |         |         |         |          |               | 3.8     | 61%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)

Source: see *Notes on sources of survey data*, p. 49  
 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. 49  
 All ages: relates to ages reported; as given in original source  
 % Total sales: Adjustment factor used, estimated % of total sales of M = manufactured or T = total cigarette consumption implied by survey, sexes combined,  
 -- = adjusted by original author

**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

| Year | Source <sup>2</sup> | Product <sup>3</sup> | Prevalence <sup>4</sup>    |   |                                  |    |                              |    | Number of cigarettes    |                     |                            |                             |                                  |              |  |
|------|---------------------|----------------------|----------------------------|---|----------------------------------|----|------------------------------|----|-------------------------|---------------------|----------------------------|-----------------------------|----------------------------------|--------------|--|
|      |                     |                      | Manufactured<br>cigarettes |   | Total<br>cigarettes <sup>5</sup> |    | All<br>products <sup>6</sup> |    | Unadjusted <sup>7</sup> |                     |                            | Sales-adjusted <sup>8</sup> |                                  |              |  |
|      |                     |                      |                            |   |                                  |    |                              |    | number/<br>person/day   | Total<br>sales<br>% | Manufactured<br>cigarettes |                             | Total<br>cigarettes <sup>9</sup> |              |  |
|      |                     |                      |                            |   |                                  |    |                              |    |                         |                     | number/<br>person/day      |                             | number/<br>person/day            |              |  |
|      |                     |                      | M                          | F | M                                | F  | M                            | F  |                         |                     | M                          | F                           | M                                | F            |  |
| 1935 | 11                  | UC                   |                            |   | 50                               | 17 |                              |    |                         |                     |                            |                             |                                  | ( 8.9 2.4 )  |  |
| 1944 | 5                   | UC                   |                            |   | 46                               | 34 |                              |    |                         |                     |                            |                             |                                  | ( 8.8 5.2 )  |  |
| 1947 | 10                  | UC+A                 |                            |   | 59                               | 28 | 70                           | 28 | 13.8                    | 4.8                 | 101                        |                             |                                  | 13.6 4.7     |  |
| 1949 | 5                   | UC                   |                            |   | 52                               | 32 |                              |    |                         |                     |                            |                             |                                  | ( 12.5 6.1 ) |  |
| 1955 | 4                   | UC                   |                            |   | 48                               | 23 |                              |    | 8.5                     | 2.8                 | 60                         |                             |                                  | 14.2 4.8     |  |
|      | 4                   | UC                   |                            |   | 52                               | 26 |                              |    |                         |                     |                            |                             |                                  |              |  |
| 1964 | 3                   | UC                   |                            |   | 50                               | 30 |                              |    | 10.6                    | 5.1                 | 73                         |                             |                                  | 14.5 6.9     |  |
| 1965 | 1                   | UC                   |                            |   | 50                               | 32 |                              |    | 9.8                     | 5.1                 | 69                         |                             |                                  | 14.2 7.5     |  |
| 1966 | 1                   | UC                   |                            |   | 53                               | 34 |                              |    |                         |                     |                            |                             |                                  | ( 14.3 7.4 ) |  |
|      | 3                   | UC                   |                            |   | 49                               | 32 |                              |    |                         |                     |                            |                             |                                  | ( 14.3 7.5 ) |  |
|      | 4                   | UC                   |                            |   | 47                               | 30 |                              |    | 8.7                     | 4.7                 | 61                         |                             |                                  | 14.2 7.6     |  |
|      | 4                   | UC                   |                            |   | 47                               | 31 |                              |    |                         |                     |                            |                             |                                  |              |  |
| 1967 | 4                   | UC                   |                            |   | 46                               | 30 |                              |    | 8.6                     | 4.6                 | 61                         |                             |                                  | 14.1 7.6     |  |
| 1968 | 4                   | UC                   |                            |   | 44                               | 29 |                              |    | 8.3                     | 4.6                 | 61                         |                             |                                  | 13.6 7.5     |  |
| 1970 | 1                   | UC                   |                            |   | 44                               | 32 |                              |    |                         |                     |                            |                             |                                  | ( 13.3 7.6 ) |  |
|      | 3                   | UC                   |                            |   | 40                               | 29 |                              |    | 8.5                     | 5.0                 | 65                         |                             |                                  | 13.1 7.8     |  |
| 1974 | 1                   | UC                   |                            |   | 41                               | 31 |                              |    | 8.3                     | 5.0                 | 62                         |                             |                                  | 13.4 8.1     |  |
| 1975 | 3                   | UC+A*                |                            |   | 37                               | 29 | 52                           | 32 | 8.3                     | 5.2                 | 64                         |                             |                                  | 12.9 8.2     |  |
| 1976 | 1                   | UC                   |                            |   | 40                               | 31 |                              |    | 8.3                     | 5.3                 | 65                         |                             |                                  | 12.8 8.1     |  |
| 1977 | 1                   | UC                   |                            |   | 39                               | 31 |                              |    |                         |                     |                            |                             |                                  | ( 12.5 8.0 ) |  |
| 1978 | 1                   | UC                   |                            |   | 37                               | 30 |                              |    | 7.9                     | 5.2                 | 65                         |                             |                                  | 12.2 8.0     |  |
| 1979 | 1                   | UC                   |                            |   | 36                               | 29 |                              |    | 7.6                     | 5.1                 | 64                         |                             |                                  | 12.0 8.0     |  |
|      | 7                   | UC                   |                            |   | 35                               | 30 |                              |    | 8.0                     | 5.6                 | 68                         |                             |                                  | 11.7 8.3     |  |
|      | 7                   | UC                   |                            |   | 37                               | 31 |                              |    |                         |                     |                            |                             |                                  |              |  |
| 1980 | 1                   | UC                   |                            |   | 36                               | 28 |                              |    | 7.7                     | 4.8                 | 63                         |                             |                                  | 12.4 7.6     |  |
| 1982 | 7                   | UC                   |                            |   | 35                               | 27 |                              |    | 8.0                     | 5.4                 | 69                         |                             |                                  | 11.7 7.9     |  |
|      | 7                   | UC                   |                            |   | 39                               | 31 |                              |    |                         |                     |                            |                             |                                  |              |  |
|      | 12                  | UC                   |                            |   | 33                               | 28 |                              |    |                         |                     |                            |                             |                                  | ( 11.6 8.0 ) |  |
| 1983 | 1                   | UC                   |                            |   | 34                               | 28 |                              |    | 7.2                     | 4.9                 | 66                         |                             |                                  | 10.9 7.5     |  |
| 1985 | 1                   | UC                   |                            |   | 31                               | 27 |                              |    | 6.9                     | 4.9                 | 66                         |                             |                                  | 10.3 7.3     |  |
|      | 4                   | UC+A*                |                            |   | 31                               | 24 | 38                           | 26 |                         |                     |                            |                             |                                  | ( 10.8 6.9 ) |  |
|      | 7                   | UC                   |                            |   | 33                               | 26 |                              |    | 7.2                     | 5.1                 | 70                         |                             |                                  | 10.4 7.3     |  |
|      | 7                   | UC                   |                            |   | 35                               | 28 |                              |    |                         |                     |                            |                             |                                  |              |  |



**Table 8** (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        | number/<br>person/day   | Total<br>sales<br>% |    | Manufactured<br>cigarettes<br>number/<br>person/day | Total<br>cigarettes <sup>9</sup><br>number/<br>person/day |             |
|      |                     |                      |                         |   |                               |    |                           |          | M                       | F                   |    | M   | F   |             |
| 1986 | 3                   | UC+A*                |                         |   | 29                            | 23 | 37                        | 24       | 6.3                     | 4.3                 | 62 |   |   | 10.2 7.0    |
| 1987 | 1                   | UC                   |                         |   | 30                            | 26 |                           |          | 6.5                     | 4.6                 | 66 |   |   | 9.9 6.9     |
| 1988 | 1                   | UC                   |                         |   | 30                            | 25 |                           |          | 6.8                     | 4.8                 | 72 |   |   | 9.5 6.7     |
|      | 7                   | UC                   |                         |   | 29                            | 23 |                           |          | 6.7                     | 4.4                 | 68 |   |   | 9.8 6.4     |
|      | 7                   | UC                   |                         |   | 32                            | 26 |                           |          |                         |                     |    |   |   |             |
| 1990 | 1                   | UC                   |                         |   | 28                            | 22 |                           |          | 5.5                     | 3.6                 | 60 |   |   | 9.1 5.9     |
|      | 7                   | UC                   |                         |   | 27                            | 22 |                           |          | 6.3                     | 4.1                 | 69 |   |   | 9.1 5.9     |
|      | 7                   | UC                   |                         |   | 29                            | 24 |                           |          |                         |                     |    |   |   |             |
| 1991 | 1                   | UC                   |                         |   | 27                            | 23 |                           |          |                         |                     |    |   |   | ( 8.6 5.8 ) |
|      | 7                   | UC                   |                         |   | 26                            | 23 |                           |          | 5.7                     | 4.4                 | 70 |   |   | 8.1 6.2     |
|      | 7                   | UC                   |                         |   | 29                            | 25 |                           |          |                         |                     |    |   |   |             |
| 1992 | 1                   | UC                   |                         |   | 28                            | 24 |                           |          | 5.4                     | 3.8                 | 66 |   |   | 8.2 5.7     |
|      | 7                   | UC                   |                         |   | 25                            | 22 |                           |          | 5.4                     | 4.1                 | 68 |   |   | 7.9 6.1     |
|      | 7                   | UC                   |                         |   | 28                            | 25 |                           |          |                         |                     |    |   |   |             |
| 1993 | 1                   | UC                   |                         |   | 27                            | 22 |                           |          | 5.1                     | 3.4                 | 63 |   |   | 8.1 5.4     |
|      | 4                   | UC                   |                         |   | 26                            | 21 |                           |          |                         |                     |    |   |   | ( 8.1 5.3 ) |
|      | 7                   | UC                   |                         |   | 23                            | 20 |                           |          | 5.1                     | 3.8                 | 66 |   |   | 7.7 5.7     |
|      | 7                   | UC                   |                         |   | 26                            | 22 |                           |          |                         |                     |    |   |   |             |
| 1994 | 1                   | UC                   |                         |   | 27                            | 22 |                           |          | 5.1                     | 3.4                 | 64 |   |   | 7.9 5.4     |
|      | 7                   | UC                   |                         |   | 24                            | 18 |                           |          | 5.1                     | 3.3                 | 63 |   |   | 8.1 5.3     |
|      | 7                   | UC                   |                         |   | 26                            | 21 |                           |          |                         |                     |    |   |   |             |
|      | 7                   | UC                   |                         |   | 20                            | 17 |                           |          | 4.6                     | 3.1                 | 58 |   |   | 8.0 5.3     |
|      | 7                   | UC                   |                         |   | 32                            | 26 |                           |          |                         |                     |    |   |   |             |
| 1995 | 1                   | UC                   |                         |   | 26                            | 22 |                           |          | 5.0                     | 3.4                 | 64 |   |   | 7.8 5.3     |
|      | 7                   | UC                   |                         |   | 20                            | 17 |                           |          | 4.7                     | 3.0                 | 59 |   |   | 8.0 5.2     |
|      | 7                   | UC                   |                         |   | 31                            | 27 |                           |          |                         |                     |    |   |   |             |
| 1996 | 7                   | UC                   |                         |   | 20                            | 17 |                           |          | 4.7                     | 3.2                 | 61 |   |   | 7.7 5.3     |
|      | 7                   | UC                   |                         |   | 31                            | 27 |                           |          |                         |                     |    |   |   |             |
| 1997 | 1                   | UC                   |                         |   | 27                            | 22 |                           |          |                         |                     |    |   |   |             |
|      | 2                   | UC                   |                         |   | 22                            | 18 |                           |          | 4.5                     | 3.0                 | 59 |   |   | 7.6 5.1     |
|      | 2                   | UC                   |                         |   | 27                            | 22 |                           |          |                         |                     |    |   |   |             |
|      | 7                   | UC                   |                         |   | 20                            | 19 |                           |          | 4.7                     | 3.5                 | 65 |   |   | 7.2 5.4     |
|      | 7                   | UC                   |                         |   | 31                            | 28 |                           |          |                         |                     |    |   |   |             |
| 1998 | 1                   | UC                   |                         |   | 26                            | 22 |                           |          |                         |                     |    |   |   |             |
|      | 2                   | UC                   |                         |   | 21                            | 18 |                           |          | 4.3                     | 3.0                 | 60 |   |   | 7.2 5.0     |
|      | 2                   | UC                   |                         |   | 26                            | 22 |                           |          |                         |                     |    |   |   |             |
|      | 7                   | UC                   |                         |   | 18                            | 16 |                           |          | 3.9                     | 3.0                 | 57 |   |   | 6.9 5.3     |
|      | 7                   | UC                   |                         |   | 30                            | 26 |                           |          |                         |                     |    |   |   |             |
| 1999 | 1                   | UC                   |                         |   | 25                            | 21 |                           |          |                         |                     |    |   |   |             |
|      | 2                   | UC                   |                         |   | 21                            | 18 |                           |          | 4.0                     | 2.9                 | 60 |   |   | 6.6 4.7     |
|      | 2                   | UC                   |                         |   | 25                            | 21 |                           |          |                         |                     |    |   |   |             |
|      | 4                   | UC                   |                         |   | 20                            | 16 |                           |          |                         |                     |    |   |   | ( 6.9 4.4 ) |
|      | 4                   | UC                   |                         |   | 24                            | 19 |                           |          |                         |                     |    |   |   |             |
|      | 7                   | UC                   |                         |   | 18                            | 15 |                           |          | 3.7                     | 2.7                 | 56 |   |   | 6.6 4.7     |
|      | 7                   | UC+A<br>A*           |                         |   | 28                            | 23 | 33<br>37                  | 24<br>24 |                         |                     |    |   |   |             |

**Table 8** (continued/2)

| Year    | Source <sup>2</sup> | Product <sup>3</sup> | Prevalence <sup>4</sup>    |  |                                  |    |                              |    | Number of cigarettes    |     |                     |   |   |   |       |
|---------|---------------------|----------------------|----------------------------|--|----------------------------------|----|------------------------------|----|-------------------------|-----|---------------------|---|---|---|-------|
|         |                     |                      | Manufactured<br>cigarettes |  | Total<br>cigarettes <sup>5</sup> |    | All<br>products <sup>6</sup> |    | Unadjusted <sup>7</sup> |     | Total<br>sales<br>% | Sales-adjusted <sup>8</sup>                         |   |   |       |
|         |                     |                      |                            |  |                                  |    |                              |    | number/<br>person/day   |     |                     | Manufactured<br>cigarettes<br>number/<br>person/day |   | Total<br>cigarettes <sup>9</sup><br>number/<br>person/day |       |
|         |                     |                      |                            |  |                                  |    |                              |    |                         |     |                     | M   | F | M   | F     |
| 2000    | 1                   | UC                   |                            |  | 25                               | 21 |                              |    |                         |     |                     |   |   |   |       |
|         | 2                   | UC                   |                            |  | 21                               | 17 |                              |    | 4.1                     | 2.7 | 63                  |   |   | 6.5   | 4.4   |
|         | 2                   | UC                   |                            |  | 25                               | 20 |                              |    |                         |     |                     |   |   |   |       |
|         | 7                   | UC                   |                            |  | 18                               | 16 |                              |    | 3.5                     | 2.7 | 57                  |   |   | 6.2   | 4.6   |
|         | 7                   | UC+A                 |                            |  | 28                               | 24 | 33                           | 24 |                         |     |                     |   |   |   |       |
|         | 7                   | A*                   |                            |  |                                  |    | 37                           | 25 |                         |     |                     |   |   |   |       |
| 2001/10 | 1                   | UC                   |                            |  | 25                               | 20 |                              |    |                         |     |                     |   |   |   |       |
|         | 2                   | UC                   |                            |  | 20                               | 17 |                              |    | 3.8                     | 2.7 | 61                  |   |   | 6.3   | 4.4   |
|         | 2                   | UC                   |                            |  | 25                               | 20 |                              |    |                         |     |                     |   |   |   |       |
|         | 7                   | UC                   |                            |  | 17                               | 15 |                              |    | 3.4                     | 2.5 | 55                  |   |   | 6.2   | 4.6   |
|         | 7                   | UC+A                 |                            |  | 28                               | 24 | 34                           | 24 |                         |     |                     |   |   |   |       |
|         | 7                   | A*                   |                            |  |                                  |    | 37                           | 24 |                         |     |                     |   |   |   |       |
| 2002/10 | 1                   | UC                   |                            |  | 25                               | 20 |                              |    |                         |     |                     |   |   |   |       |
|         | 2                   | UC                   |                            |  | 20                               | 16 |                              |    | 3.7                     | 2.6 | 60                  |   |   | 6.2   | 4.3   |
|         | 2                   | UC                   |                            |  | 25                               | 20 |                              |    |                         |     |                     |   |   |   |       |
|         | 4                   | UC                   |                            |  | 18                               | 15 |                              |    |                         |     |                     |   |   | ( 6.4   | 4.1 ) |
|         | 4                   | UC                   |                            |  | 23                               | 18 |                              |    |                         |     |                     |   |   |   |       |
|         | 7                   | UC                   |                            |  | 19                               | 16 |                              |    | 3.5                     | 2.6 | 58                  |   |   | 6.0   | 4.5   |
|         | 7                   | UC+A                 |                            |  | 30                               | 24 | 35                           | 25 |                         |     |                     |   |   |   |       |
|         | 7                   | A*                   |                            |  |                                  |    | 39                           | 25 |                         |     |                     |   |   |   |       |
| 2003/10 | 1                   | UC                   |                            |  | 24                               | 19 |                              |    |                         |     |                     |   |   | ( 6.2   | 4.0 ) |
|         | 4                   | UC                   |                            |  | 17                               | 13 |                              |    |                         |     |                     |   |   | ( 6.2   | 4.0 ) |
|         | 4                   | UC                   |                            |  | 20                               | 16 |                              |    |                         |     |                     |   |   |   |       |
|         | 7                   | UC                   |                            |  | 19                               | 15 |                              |    | 3.4                     | 2.5 | 57                  |   |   | 5.9   | 4.3   |
|         | 7                   | UC+A                 |                            |  | 30                               | 23 | 34                           | 24 |                         |     |                     |   |   |   |       |
|         | 7                   | A*                   |                            |  |                                  |    | 38                           | 25 |                         |     |                     |   |   |   |       |
| 2004/10 | 1                   | UC                   |                            |  | 23                               | 18 |                              |    |                         |     |                     |   |   | ( 6.0   | 3.8 ) |
|         | 7                   | UC                   |                            |  | 18                               | 15 |                              |    | 3.5                     | 2.5 | 61                  |   |   | 5.8   | 4.0   |
|         | 7                   | UC+A                 |                            |  | 29                               | 23 | 34                           | 24 |                         |     |                     |   |   |   |       |
|         | 7                   | A*                   |                            |  |                                  |    | 38                           | 24 |                         |     |                     |   |   |   |       |

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, given in *Notes on sources of survey data*, p. 49. Method: see *Summary of adult smoking*, Methods p. 13

2 See *Notes on sources of survey data*, p. 49

3 Product: MC = manufactured cigarettes, TC = total cigarettes (including hand-rolled), UC = cigarettes (type unspecified), A = all smoking products, A\* = all smoking or smokeless products, U = unspecified. 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

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

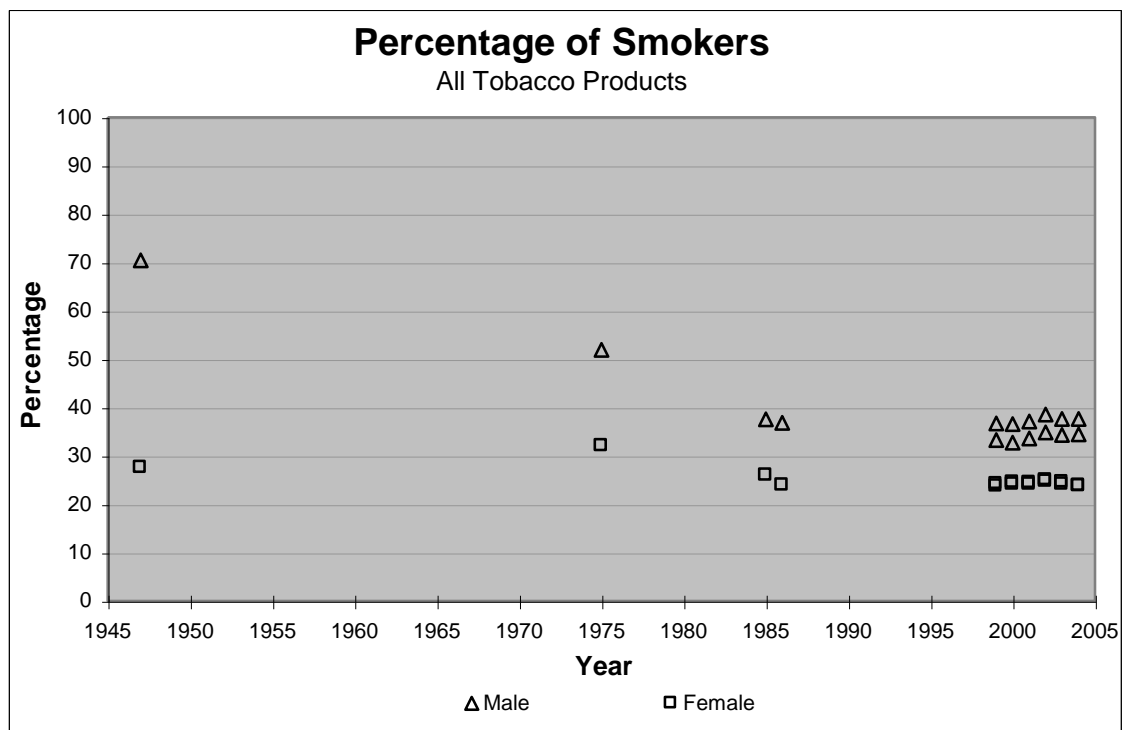
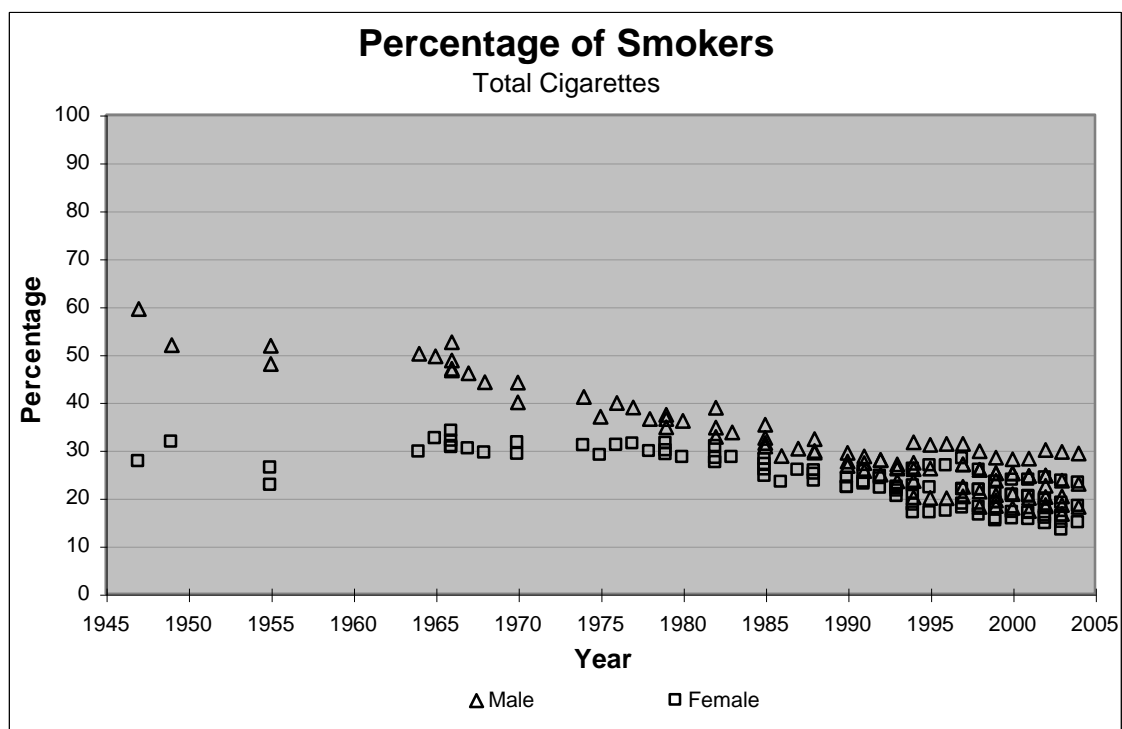
7 From Table 6

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

9 Number of cigarettes classified as UC = cigarettes (type unspecified) has been adjusted to total cigarette sales and included in this column.

10 Calculations based on 2000 population.

**Figure 3** Estimated prevalence of smoking of (i) cigarettes and (ii) all tobacco products<sup>1</sup>; by year of survey.  
Males and females aged 15 years and over



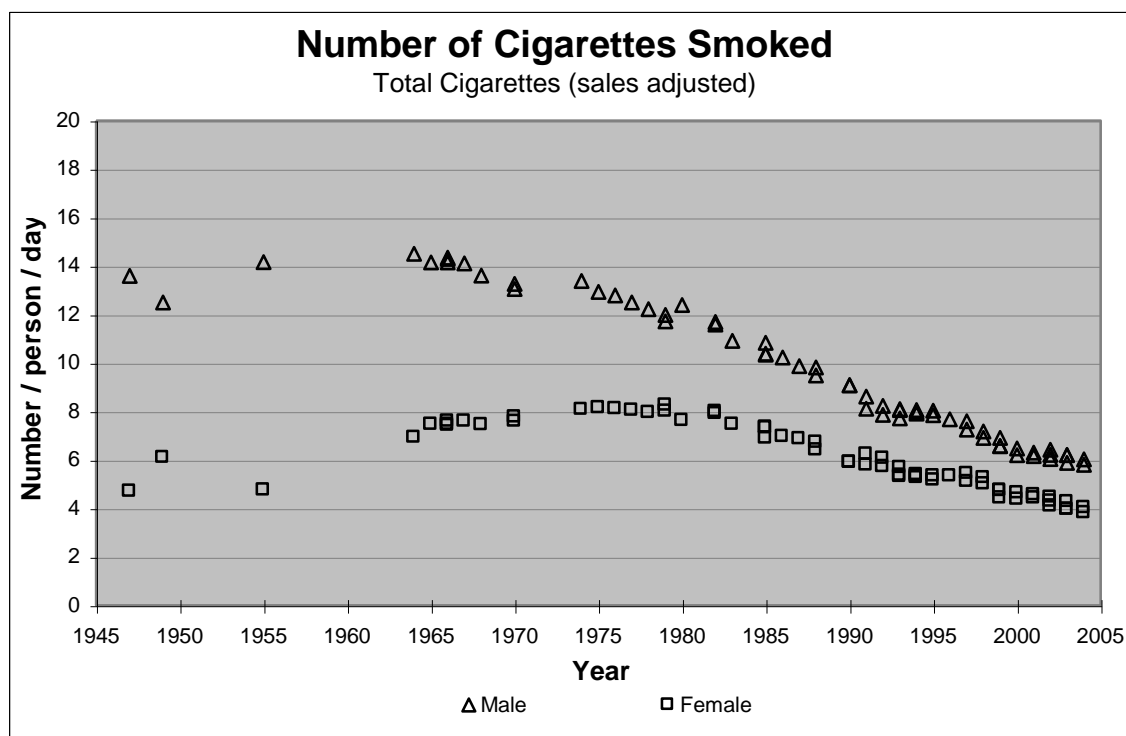
Source: Table 8

Table 8 also includes some estimates for earlier years (not shown in this figure).

<sup>1</sup> Includes estimates shown in Table 8 as product A\* which include non-smokers who use smokeless tobacco

See also customisable version of Figure 3 in the Excel workbook

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



Source: Table 8  
Table 8 also includes some estimates for earlier years (not shown in this figure).

## 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. 59 under *References*.

#### *Sales data before 1920*

Giovino *et al* (1994)

Cigarette consumption, given as total and per adult per year, quoting the Economic Research Service (ERS) of the US Department of Agriculture (USDA). Selected years shown:

| Year | Total cigarettes<br>(millions) | Cigarettes per adult <sup>1</sup> |         |
|------|--------------------------------|-----------------------------------|---------|
|      |                                | per year                          | per day |
| 1900 | 2 500                          | 54                                | 0.15    |
| 1905 | 3 600                          | 70                                | 0.19    |
| 1910 | 8 600                          | 151                               | 0.41    |
| 1915 | 17 900                         | 285                               | 0.78    |
| 1920 | 44 600                         | 665                               | 1.82    |

<sup>1</sup> Age 18+

Milmore and Conover (1956)

Consumption of tobacco products (unstemmed-processing weight) per adult (15+ years old), quoting the US Internal Revenue Service and the Agricultural Marketing Service of the USDA. The weight of tobacco in finished products is approximately 25% less than the unstemmed-processing weight. The original data are given in pounds per adult per year. From these we derived grams per adult per day:

| Year | Consumption per adult per day, unstemmed-processing weight, grams |        |                 |                 |       |       |
|------|---|--------|-----------------|-----------------|-------|-------|
|      | Cigarettes  | Cigars | Smoking tobacco | Chewing tobacco | Snuff | Total |
| 1880 | 0.06  | 1.69   | 0.91            | 3.92            | 0.15  | 6.72  |
| 1885 | 0.12  | 2.00   | 1.17            | 4.75            | 0.21  | 8.25  |
| 1890 | 0.22  | 2.21   | 1.39            | 4.96            | 0.27  | 9.06  |
| 1895 | 0.31  | 1.94   | 1.49            | 4.69            | 0.26  | 8.69  |
| 1900 | 0.20  | 2.47   | 1.77            | 4.42            | 0.37  | 9.23  |
| 1905 | 0.24  | 2.87   | 2.71            | 4.42            | 0.46  | 10.70 |
| 1910 | 0.51  | 2.72   | 2.70            | 4.16            | 0.58  | 10.68 |
| 1915 | 1.02  | 2.70   | 2.65            | 3.53            | 0.55  | 10.44 |
| 1920 | 2.35  | 3.05   | 1.86            | 2.93            | 0.58  | 10.77 |
| 1925 | 3.68  | 2.47   | 2.00            | 2.45            | 0.56  | 11.16 |

Rigdon and Kirchoff (1952) also give figures for per capita consumption of tax-paid tobacco products (1900-1950).

#### *Sales data for 1920-1973*

See Table 1.1.

RP6 (Lee (1975))

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 tobacco consumed were obtained from the following sources:

1920-35 *1st Annual Report on Tobacco Statistics*, May 1937.

1936-73 *Annual Report on Tobacco Statistics*.

These are published by the United States Department of Agriculture.

(b) Cigarettes were converted from number to weight using a factor of 2.205 lbs per 1 000 up to 1951. Since that date allowance has been made for the increasing consumption of 'king' size, 'long' size, and filter-tipped cigarettes. Cigars were converted at a rate of 18.6 lbs per 1 000 up to 1957 and at 18 lbs per 1 000 from 1958-1963. From 1964 onwards the conversion factors used for large and little cigars were 17.5 lbs per 1 000 and 2.5 lbs per 1 000 respectively.

Giovino *et al* (1994) give data on numbers of cigarettes which are similar to the RP6 data except for 1940-1949 when they are higher, possible due to inclusion of US military forces overseas.

Brooks (1952) reports that 14 states had passed prohibitory legislation against cigarettes by 1921, but all had been repealed by 1927.

See also *Sales data by type of smokeless and smoking tobacco before 1955*, below, and *Sales data by type of smokeless and smoking tobacco for 1955 onwards*, p. 47.

### *Sales data for 1974-2005*

See Table 1.2.

#### USDA

Cigarettes and large cigars: Capehart (2005), USDA (2007)

Total US consumption, calculated (by USDA) for cigarettes as taxable removals, overseas forces and shipments to Puerto Rico and other US possessions, ships stores and small tax-exempt categories and estimated inventory change, and for cigars as total removals (or sales) from US factories plus those from Puerto Rico and imports, minus exports. Cigars includes large cigars and cigarillos weighing more than 3 pounds per thousand, i.e. more than 1.36 g per cigar. Data were given by number; we derived the data by weight by estimating the average weight per cigarette and per cigar from tables giving the number and weight smoked per capita (data not shown: Creek *et al* (1994), USDA (1998, 2006, 2007)). The estimated average weight varied around 0.8 g per cigarette and 7 g per cigar.

During 1998-1999, price differentials led to some cigarettes being exported then re-imported. These grey market imports were estimated at less than 1% of total consumption in 1999, and then declined following legislative changes (USDA (2000)).

Small cigars: Capehart (2005), USDA (2007)

US taxable removals. Small cigars are described as "cigarette size", and are defined as less than 3 pounds per 1 000, i.e. less than 1.36 g per cigar. Data were given by number; we derived the data by weight by estimating the average weight per cigar as 1.13 g, based on the conversion factor used in RP6 for 1964-1973. (This differs from the conversion factor used in earlier editions of this report.)

Smoking tobacco: Capehart (2005), USDA (2007)

Total US consumption, calculated (by USDA) as total removals (or sales) plus imports, minus exports. Data for 1991-1999 are adjusted to reflect estimated re-exports to Canada. Originally given to nearest 100 000 pounds, converted to tonnes and given to the nearest 10 tonnes. See also *Sales data by type of smokeless and smoking tobacco for 1955 onwards*, p. 47.

Smokeless tobacco: Creek *et al* (1994), USDA (2000, 2006, 2007)

Invoiced to domestic customers. Originally given to nearest 10 000 or 100 000 pounds, converted to tonnes and given to the nearest 10 tonnes. See also *Sales data by type of smokeless and smoking tobacco for 1955 onwards*, p. 47.

### *Sales data for 2006 onwards*

See Table 1.3.

Alcohol and Tobacco Tax and Trade Bureau (2005, 2006, 2007, 2008, 2009, 2010, 2011)

Data for 2003-2005 from these sources are also shown for comparison with the data in Table 1.2. Estimates of sales have been calculated as the sum of "Removed taxable including from Puerto Rico" and "Imported from foreign countries". Data for 2010 are preliminary estimates.

Data given as weight in pounds have been converted to tonnes.

The distinction between small cigars and large cigars is not described, but USDA (2007), quoting the same source reports, defines small cigars as "Weight not more than 3 pounds per thousand" (i.e. not more than 1.36 g per cigar).

Data for cigarettes, large cigars and small cigars are given as numbers. These have been converted to weight assuming the same average weights for cigarettes and large cigars as were calculated for the USDA data (for 2003-2005), and continuing to use the 2005 USDA estimates for subsequent years (approximately 0.77 g per cigarettes and 7.4 g per cigar); and continuing to assume 1.13 g per small cigar.

### *Sales data by type of smokeless and smoking tobacco before 1955*

#### Smokeless tobacco: Creek *et al* (1994)

Smokeless tobacco has two main forms: chewing tobacco and snuff. Chewing tobacco is available in loose leaf form (formerly called scrap), in a pressed rectangle called a plug, or in a twist or roll. These are actively chewed. Snuff may be dry snuff (also called scotch snuff) which is dry, powdered tobacco, or moist snuff which is moist tobacco in fine particles or strips. Snuff is used by placing a pinch of tobacco between the cheek and the gum.

According to Christen *et al* (1982), during the 19th century, moist snuff, loose-leaf chewing, and block or plug tobacco were popular, with “dental snuff” later being promoted as a dental panacea. However by the end of the century, use declined as the practice of tobacco spitting became socially unacceptable and unlawful, especially in certain public places. However, smokeless tobacco remained popular until approximately 1913, when cheap mass-production and advertising boosted cigarette sales.

Prior to 1955, data are available for US output (Creek *et al* (1994)), from which we calculate the following percentages (5-year averages):

|         | <b>Plug</b> | <b>Twist</b> | <b>Fine cut</b> | <b>Loose leaf</b> | <b>Snuff</b> |
|---------|-------------|--------------|-----------------|-------------------|--------------|
| 1935-39 | 38.2        | 4.0          | 3.2             | 29.5              | 25.1         |
| 1940-44 | 35.6        | 3.9          | 3.0             | 31.1              | 26.4         |
| 1945-49 | 34.4        | 4.0          | 2.5             | 30.5              | 28.6         |
| 1950-55 | 31.5        | 4.0          | 2.3             | 30.8              | 31.6         |

#### Smoking tobacco 1933-1954: Milmore and Conover (1956)

The percentage of smoking tobacco used in roll-your-own (RYO) cigarettes was estimated as 46% for 1933-1940, and as 30% for 1950-54.

### *Sales data by type of smokeless and smoking tobacco for 1955 onwards*

#### Smokeless tobacco: Creek *et al* (1994), USDA (2000, 2006, 2007)

Percentages in Table 1.5 are based on quantities invoiced to domestic customers. The classification of smokeless products changed at the start of 1982, removing fine-cut from the chewing tobacco category and reclassifying it as moist snuff. This change in classification therefore accounts for most, but not all, of the redistribution between chewing and snuff between 1981 and 1982. During the 1980s moist snuff began to be marketed packaged in small pouches resembling tea bags (Shelton (1982), Gritz *et al* (1985), Tilashalski *et al* (1994)).

#### Smoking tobacco: Capehart (2006), Alcohol and Tobacco Tax and Trade Bureau (2008-2011)

Percentages in Table 1.5 are based on consumption (as defined in *Sales data for 1974-2005*, p. 46). Smoking tobacco comprises pipe tobacco and cut tobacco predominantly used in roll-your-own (RYO) cigarettes. Data for 2010 are preliminary estimates. From the late 1990s, higher cigarette taxes boosted cut tobacco consumption because of a resurgence in the RYO market.

### *Estimates of number of hand-rolled cigarettes*

#### 1927-1949: Jackson (1950)

Described as “rough” estimates. Based on revenue from tax-paid packages of cigarette papers, converted to numbers of cigarette papers using the tax rate of 1 cent for 100 papers, and on numbers of tax-free cigarette booklets, assuming each booklet to contain 20 papers with a wastage rate of 20%.

These estimates fit in with comment by Milmore and Conover (1956), that in the years 1933-40, consumption of RYO cigarettes was considerably higher than during later years and was probably above the pre-1933-40 period. Hammond (1958) noted that the decline in the use of hand-rolled cigarettes probably contributed to the apparent rise in manufactured cigarette consumption between 1935 and 1955.

1950: US Surgeon General (1989) quoting USDA (no details of reference)

The estimated consumption was given as 3.4% of total cigarette consumption, from which we derived the total consumption and the adult daily rate. (The original report also gave consumption as 126 per capita per year, although our calculation more closely matches this as a per adult estimate.)

1951-1954: We have taken as our estimate of hand-rolled cigarette consumption 26% of pipe and hand-rolling tobacco sales, at 0.80 g per cigarette.

This method of estimation was based on estimates for 1955 (see next paragraph and Table 1.5)

1955-2005: Capehart (2006)

For 1955-1994, estimates are based on shipments of cigarette papers and tubes, and for 1995 onwards are derived from domestic invoices and imports of RYO tobacco. Data for 1994 onwards are preliminary estimates. From these data, the weight of tobacco per hand-rolled cigarette can be derived, and was generally between 0.6 g and 0.9 g per cigarette.

2006-2010: Alcohol and Tobacco Tax and Trade Bureau (2005-2011)

Data for roll-your-own tobacco given by weight has been converted to numbers assuming 0.85 g per hand-rolled cigarette. This value was chosen based on the estimates for the years 2000-2005 given by Capehart (2006).

### *Plain/Filter cigarette sales*

Creek *et al* (1994), USDA ERS (1996), USDA (1998-2002)

Represents the proportion of production rather than of consumption of filtered cigarettes. Data for 2005 are preliminary estimates.

### *Menthol cigarette sales*

Federal Trade Commission (2005)

Domestic market share of menthol cigarettes.

Data for earlier years are given by Garten and Falkner (2001) quoting Maxwell Associates (1977) (no details of reference), e.g.

|           |      |      |      |      |      |      |
|-----------|------|------|------|------|------|------|
| 1925-1932 | 1935 | 1940 | 1945 | 1950 | 1955 | 1960 |
| 0%        | 2%   | 1%   | 2%   | 3%   | 3%   | 13%  |

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

1954-1967: US Surgeon General (1981) quoting Wakeham (1976)

Data read from graph. No standard test method had been agreed at this time (Peeler (1996), Baker (2002)), and the method used is not stated. Alternative data given by Owen (1976) for 1955 are: 43 mg tar and 2.8 mg nicotine per cigarette.

1968-1998: Federal Trade Commission (FTC) (2000)

Yields are measured according to the standard FTC smoking regime of one 35 ml puff of 2 seconds duration, taken once per minute to a butt length of 23 mm for a plain cigarette, or the longer of 23 mm or the filter tipping overwrap + 3 mm for a filtered cigarette (Baker (2002)).

Sales-weighted data are not available after 1998. The following table shows the distribution of market share (%) by tar category (FTC (2005)), from which we tentatively estimate the sales-weighted average tar:

| Year | More than<br>15 mg | 12-15 mg | 9-12 mg | 6-9 mg | 3-6 mg | 3 mg or<br>less | SWAT* |
|------|--------------------|----------|---------|--------|--------|-----------------|-------|
| 1999 | 13.4               | 29.2     | 32.1    | 11.7   | 12.0   | 1.6             | 11.5  |
| 2000 | 12.9               | 36.7     | 26.7    | 10.1   | 12.3   | 1.3             | 11.7  |
| 2001 | 14.8               | 27.1     | 35.5    | 9.4    | 12.2   | 1.0             | 11.6  |
| 2002 | 15.1               | 26.7     | 35.7    | 9.6    | 12.0   | 0.9             | 11.6  |
| 2003 | 15.1               | 25.4     | 37.0    | 9.9    | 11.6   | 1.0             | 11.6  |

\* Estimated by assuming means for the categories of 17, 14, 11, 8, 5, 2 mg. Similarly calculated estimates for the years 1991-1998 would be within +/- 0.3 mg of the data shown in Table 3.

### *Tar and nicotine yield of other tobacco products*

No sales-weighted data are available for products other than cigarettes. Some authors have



published results from tests on a variety of other products, e.g. smokeless tobacco by Gritz *et al* (1981), Tilashalski *et al* (1994), Djordjevic *et al* (1995), cigars by Henningfield *et al* (1999) and bidis (a type of cigarette rolled in tendu leaf imported from India) by Rickert (1999), Malson *et al* (2001), Watson *et al* (2003).

### 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. Full citations of the sources are given on p. 59 under *References*.

We have not attempted to include information specifically related to the use of smokeless tobacco. However, because many sources provide information on cigarettes only, and on all smoking and smokeless products combined (but not on all smoking products only), we have on occasion included data on the prevalence of “smoking or smokeless tobacco use”. This is shown in Table 4 using the product code A\*.

### Source number

- 1, 2 National Center for Health Statistics (1980a, 1980b, 1985), Harris (1983), US Surgeon General (1983, 1988, 1994), Anonymous (1987, 1991a, 1992, 1993, 1994a, 1994b, 1996, 1997, 1999, 2000a, 2001, 2002, 2003a, 2004, 2005a, 2005b), Fiore *et al* (1989), Novotny *et al* (1990), US Department of Health and Human Services (USDHHS) (Accessed June 2004)**

- a. National Health Interview Surveys (NHIS). Nationally representative sample of the US non-institutionalized civilian population aged 18+. Before 1974, face-to-face interviews with one adult per household, giving proxy reports for other household members. Since 1974, smoking information taken from self-reports only, using telephone follow-up for household members not interviewed personally. Response rate before 1974 around 96%, but decreased to 90% when limited to self-reports. Data were adjusted for non-response and weighted (by the original authors) to provide national estimates.

| Year | Sample size | Response rate (%) |
|------|-------------|-------------------|
| 1974 | 22 052      | —                 |
| 1976 | 20 978      | —                 |
| 1977 | —           | —                 |
| 1978 | 10 571      | —                 |
| 1979 | 21 832      | —                 |
| 1980 | 9 553       | —                 |
| 1983 | 20 963      | —                 |
| 1985 | 31 082      | —                 |
| 1987 | 44 000      | —                 |
| 1988 | 44 000      | —                 |
| 1990 | 41 000      | 83                |
| 1991 | 43 732      | 88                |
| 1992 | 24 040      | 87                |
| 1993 | 20 860      | 81                |
| 1994 | 19 738      | 80                |
| 1995 | 17 213      | 81                |
| 1997 | 36 116      | 80                |
| 1998 | 32 440      | 74                |
| 1999 | 30 801      | 70                |
| 2000 | 32 374      | 72                |
| 2001 | 33 326      | 74                |
| 2002 | 31 044      | 74                |
| 2003 | 30 852      | 74                |
| 2004 | 31 326      | 73                |

- b. Results shown as source **1** are taken from published reports. Results shown as source **2** are derived from the public-access data files, and use 5-year age groups, so sample sizes may be small for the oldest age groups.
- c. For some years, data for a particular product and frequency are available in several different breakdowns by age. These are presented in Table 4 if this aids comparisons between years. This may result in several different estimates for adult (age 15+) prevalence appearing in Table 8.
- d. For 1966 and 1970, the *All ages* values in Table 4 refer to ages 18+; age-specific data are not available for the age groups marked \*.
- e. Current smokers: had smoked 100 cigarettes and (before 1992) answered affirmatively to question 'Do you smoke cigarettes now?' or (1992 onwards, shown as frequency A) reported now smoke every day or some days. According to Anonymous (1994a), the inclusion of some-day smoking increases the prevalence estimate by about 1.0%. Regular smokers (source 2): had smoked 100 cigarettes and now smoke every day.
- f. Prevalence of use of other tobacco products was estimated by Giovino *et al* (1994) as:

| Year | Cigar smoking |         | Pipe smoking |         | Smokeless tobacco |         |
|------|---------------|---------|--------------|---------|-------------------|---------|
|      | Males         | Females | Males        | Females | Males             | Females |
| 1970 | 16.3          | 0.2     | 13.1         | 0.1     | 5.2               | 1.8     |
| 1987 | 5.3           | 0.1     | 3.4          | 0.1     | 6.1               | 0.6     |
| 1991 | 3.5           | 0.1     | 2.0          | 0.0     | 5.6               | 0.6     |

- g. Consumption category estimation based on: (1965, 1976, 1978, 1979 and 1983) <15, 15-24, and 25+ cigarettes/smoker/day; (1987) <15, 15-24, 25-34, and 35+. For 1974, 1990, and 1992-1995, consumption category estimation based on two categories, 1-24 and 25+ cigarettes/smoker/day, and resulting figures should be regarded with caution; for years where comparisons are possible, the estimates based on two categories are always lower than the directly calculated means (e.g. 1980 (males) 21.0 vs 23.4, (females) 17.3 vs 19.7; and 1991 (males) 19.5 vs 21.6, (females) 15.9 vs 18.3). Prior to 1992, cigarettes per smoker not restricted to regular smokers.
- 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.

### 3 Waingrow *et al* (1968), US Department of Health Education and Welfare (USDHEW) (1973), USDHEW - Public Health Service (1976), US Surgeon General (1983), Pierce and Hatziaandreu (1986), Anonymous (1987)

- a. Adult Use of Tobacco Surveys.  
In 1964 and 1966: primarily in-person household interviews. Sample size (1964) 5 794, (1966) 5 768; response rate 76% and 72% respectively.  
In 1970: 91% telephone and 9% personal interviews. Sample size 5 200.  
In 1975: 7% personal interviews. Sample size 12 000; response rate 60% for telephone interviews and 44% for non-telephone segment.  
In 1986, 100% telephone interviews, results adjusted to compensate for (inter alia) exclusion of non-telephone households. Representative of non-institutionalized civilian population. Sample size 13 031, response rate 74%.
- b. Product code A\* (1975, 1986) includes non-smokers who use smokeless tobacco.
- c. In 1986, only 0.4% of smokers aged 17 or older used RYO cigarettes (US Surgeon General (1988)).
- d. Consumption category estimation based on (1964) 0-4, 5-14, 15-24, 25-34, 35-44, 45-54, 55-64, and 65+ cigarettes/smoker/day; (1986) 15 or less, 16-24, and 25+.
- 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.

### 4 USDHEW - Public Health Service (1969), Ahmed and Gleeson (1970), Marcus *et al* (1989), Shopland *et al* (1992, 1996), National Cancer Institute (NCI) (2006)

- a. Tobacco Use Supplements to Current Population Survey. Representative of civilian non-institutionalized population. 1955 data originally in Haenszel *et al* (1956), later version with minor changes used. Since 2001-2002 the survey has been co-sponsored by NCI and Centers for Disease Control and Prevention (CDC), and has used about 75% telephone interviews and 25% personal home visits.

|           | Households | Response rate (%)  | Individuals | Proxy interviews (%) |         |
|-----------|------------|--------------------|-------------|----------------------|---------|
|           |            |                    |             | Males                | Females |
| 1955      | 21 000     | 96                 | 45 000      | 42                   | 17      |
| 1966      | 35 000     | 96                 | 69 000      | 65                   | 25      |
| 1985      | 62 500     | 96                 | 114 000     |                      |         |
| 1993      |            | 95/88 <sup>1</sup> | 266 988     | 18                   | 18      |
| 1998-1999 |            |                    | 224 902     |                      |         |
| 2001-2002 |            |                    | 234 227     | (2)                  |         |
| 2003      |            |                    | 234 247     | (2)                  |         |

<sup>1</sup> Represents response rates for core questions and tobacco use supplement respectively

<sup>2</sup> About 20% proxy reports for a few measures, but not stated whether this refers to smoking

- b. Regular smokers: (1955, 1966) smoked regularly, (1999 on) had smoked at least 100 cigarettes in their lifetime and now smoke every day. All smokers: (1955, 1966) smoked regularly or occasionally, (1985) had smoked at least 100 cigarettes in their lifetime and smoked at the time of the survey, (1993 on) had smoked at least 100 cigarettes in their lifetime and smoked every day or some days.
- c. Product code A\* (1985 only) includes non-smokers who use smokeless tobacco. For males, the percentages using each product (including users of more than one product) are snuff 1.8%, chewing tobacco 4.0%, cigars 2.1%, and pipes 2.4%.
- d. Consumption category estimation based on: (1955, 1966) 1-9, 10-20, 21-40, and 41+ cigarettes/smoker/day; (1967 and 1968) <11, 11-20, 21-40, and 41+ cigarettes/smoker/day.
- 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.

## 5 Anonymous (1987), quoting Gallup Poll

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

## 6, 7 Substance Abuse and Mental Health Services Administration (SAMHSA) (Accessed February, October 2006)

- a. National Survey on Drug Use and Health (NSDUH), formerly National Household Surveys on Drug Abuse (NHSDA). Conducted by the National Institute on Drug Abuse and SAMHSA. Multistage area probability sampling of civilian non-institutionalized population of US. For 1979-1990 this was restricted to persons living in households and excluded Hawaii and Alaska; from 1991 these states were added, as were residents of group quarters (such as college dormitories, group homes, shelters and rooming houses), civilians dwelling on military installations and persons with no permanent residence (i.e. excluding those with no fixed address, residents of institutional quarters and active military personnel). In most years, ethnic minorities and youths were oversampled, as were certain metropolitan or rural areas. In 1993-1995, cigarette smokers were oversampled.
- b. Results shown as source 6 are taken from published reports. Results shown as source 7 are derived from online analysis of the public-access data files, which may differ from the full data sets due to different handling of missing data, or subsampling used in disclosure protection procedures (see Table below, 1999-2004). Estimates are weighted to take account of probability of selection, non-response and intercensal population estimates. The age categories used in Tables 4-7 are the narrowest of the categories provided in the online analysis.
- c. Two questionnaires were used in 1994, and results presented separately, with 1994A comparable to earlier years and 1994B comparable to later years. At the same time, cigarette use questions changed from interviewer administered to self-completion (Kopstein (2001)). In 1999, computer-assisted personal interviewing (CAPI) and audio computer-assisted self-interviewing (ACASI) were introduced (Gfroerer *et al* (2002)).

| Year | Interview response rate (%) | Sample size           |                              |
|------|-----------------------------|-----------------------|------------------------------|
|      |                             | Overall               | Available in public-use file |
| 1979 | 83                          | 7 224                 |                              |
| 1982 | 81                          | 5 624                 |                              |
| 1985 | 84                          | 8 021                 |                              |
| 1988 | 77                          | 8 814                 |                              |
| 1990 | n.a.                        | 9 259                 |                              |
| 1991 | 84                          | 32 594                |                              |
| 1992 | 83                          | 28 832                |                              |
| 1993 | 79                          | 26 489                |                              |
| 1994 | A: 77<br>B: 78              | A: 4 372<br>B: 17 809 |                              |
| 1995 | 81                          | 17 747                |                              |
| 1996 | 79                          | 18 269                |                              |
| 1997 | 78                          | 24 505                |                              |
| 1998 | 77                          | 25 500                |                              |
| 1999 | 69                          | 66 706                | 53 560                       |
| 2000 | 74                          | 71 764                | 58 680                       |
| 2001 | 73                          | 68 929                | 55 561                       |
| 2002 | 79                          | 68 126                | 54 079                       |
| 2003 | 77                          | 67 784                | 55 230                       |
| 2004 | 77                          | 67 760                | 55 602                       |

- d. Regular cigarette smokers: (1979-1994A) smoked an average of at least 1 cigarette per day in last 30 days, (1994B-1998) smoked a cigarette every day in last 30 days, (1999-2004) smoked part or all of a cigarette every day in last 30 days. Cigarette smokers (marked as frequency A): (1979) smoked a cigarette in last 30 days and had smoked 5 packs in lifetime, (1982-1998) smoked a cigarette in last 30 days, (1999-2003) smoked part or all of a cigarette in last 30 days. Smokers of any product: smoked part or all of a cigarette or cigar, or a pipe in last 30 days. Users of any product (shown as product A\* in Table 4 as includes non-smokers who use smokeless tobacco): smoked cigarettes, cigars or pipe tobacco or used chewing tobacco or snuff in last 30 days.
- e. In 1999-2004, the survey has included information on the type of cigarette smoked, and the following results are included as an example:

**Percentage of cigarette smokers by type of cigarette (brand smoked most often in last 30 days), 2003**

| Age          | Males |       |       |       |     |       | Females |       |       |       |     |       |
|--------------|-------|-------|-------|-------|-----|-------|---------|-------|-------|-------|-----|-------|
|              | 12-17 | 18-25 | 26-34 | 35-49 | 50+ | Total | 12-17   | 18-25 | 26-34 | 35-49 | 50+ | Total |
| Lights       | 39    | 52    | 55    | 41    | 38  | 45    | 51      | 57    | 51    | 47    | 45  | 50    |
| Ultra lights | 3     | 4     | 7     | 11    | 16  | 10    | 6       | 10    | 15    | 20    | 27  | 18    |
| Full Flavour | 57    | 44    | 38    | 48    | 46  | 45    | 43      | 34    | 33    | 33    | 28  | 33    |
| Menthol      | 36    | 28    | 19    | 23    | 27  | 25    | 37      | 31    | 25    | 36    | 31  | 32    |
| Regular      | 64    | 72    | 81    | 77    | 73  | 75    | 63      | 69    | 75    | 64    | 69  | 68    |

**Percentage of cigarette smokers who have smoked a hand-rolled cigarette in last 30 days, 2003**

|    |    |    |    |   |    |    |   |   |   |   |   |
|----|----|----|----|---|----|----|---|---|---|---|---|
| 18 | 15 | 15 | 13 | 7 | 13 | 13 | 8 | 9 | 9 | 6 | 8 |
|----|----|----|----|---|----|----|---|---|---|---|---|

- f. Consumption category estimation based on (1979-1998) 1-5, 6-15, 16-25, 26-35, and >35, (1999-2001) 1, 2-5, 6-15, 16-25, 26-35, and >35. For all years the calculation excluded those who smoked less than 1 cigarette/day and for 1994B-2001 also excluded those who did not smoke every day in last 30 days.

**8 Kuulasmaa *et al* (1998), Wolf *et al* (1998), Molarius *et al* (1999), Tolonen *et al* (2000)**

- a. Regional surveys using both personal interviews and self-completion questionnaires, carried out in three phases, forming part of WHO MONICA Project:

| Region   | Phase | Participation rate (%) |         | Sample used |         | Date              |
|----------|-------|------------------------|---------|-------------|---------|-------------------|
|          |       | Males                  | Females | Males       | Females |                   |
| Stanford | 1     | 64                     | 70      | 698         | 802     | May 1979-Apr 1980 |
|          | 2     | 57                     | 63      | 716         | 853     | May 1985-Jun 1986 |
|          | 3     | 57                     | 64      | 725         | 856     | Jun 1989-Jun 1990 |

Participation rates for phase 1 refer to age 35-64 only, all other figures are for age 25-64

- b. All ages column relates only to age 35-64 and is standardized to world population.

- c. The US centre did not use the standard MONICA smoking questionnaire; the same questionnaire was used in all three phases. Regular cigarette smokers: smoked cigarettes daily. All smokers: smoked cigarettes, pipe, cigars or cigarillos regularly. Occasional cigarette smoking was not enquired about. However in phases 2 and 3, subjects who had smoked in last week but reported smoking 0 cigarettes per day were coded as occasional smokers and are included in UC A category in Table 4.
- 9 Hammond and Garfinkel (1961, 1964), Hammond and Garfinkel (1968), Thun *et al* (1997)**
- a. American Cancer Society Cancer Prevention Studies (Million Person Studies) conducted in 25 states, 1959-1960 and 1982-1986. Families with at least one member aged over 45 enrolled by volunteers. Not representative, as samples over-represented whites (97% and 93% respectively), married and better educated persons.
  - b. Entries for 1959 marked \* in Table 4 represent analyses of a sub-set of the study (43 068 subjects) drawn proportionally from all study areas. The category A A includes a few subjects who smoked, but with smoking pattern uncertain, and a few women who smoked pipes or cigars only.
  - c. Data for 1965 refer to a follow-up of the 1959 sample, restricted to selected sampling units in 24 states. Sample size 502 631, 92% of eligible subjects.
  - d. Data for 1982 derived by combining prevalence data presented separately for white people and black people. The results are not adjusted for 'unclassifiable' subjects—these accounted for between 1.9% (white men aged 30-34) and 23.4% (black women aged 80-84).
  - e. Cigarettes per smoker and per person are based on regular cigarette smokers.
  - f. Consumption category estimation for 1959 by Thun *et al* (1997), based on mean value of categories published by Hammond *et al* (1977). However categories given by Hammond *et al* (1977), with means in parentheses, are 1-9 (4.8), 10-19 (12), 20 (20), 21-39 (29.2), 40 (40), and 41+ (58.6), and appear to refer to men only. Consumption category estimation for 1965 based on 1-9, 10-19, 20-39 and 40+ cigarettes/smoker/day.
- 10 Mills and Porter (1953)**
- a. Survey conducted in Columbus, Ohio. Sample size 4 387. House-to-house visits at random in all census tracts in the city, with blacks over-sampled. Information obtained directly or from a responsible household member.
  - b. Results were originally presented by race. Results presented here are standardized to the race- and age-specific population of the city as given. (This differs from earlier editions of this report, where results for whites only were given.)
  - c. Consumption category estimation based on two categories, <1 pack (assume 1-19) and 1+ packs (assume 20+) cigarettes/smoker/day, and resulting figures should be regarded with caution.
  - 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.
- 11 Rigdon and Kirchoff (1952), US Surgeon General (1980), quoting Fortune magazine (1935)**
- a. Nationally representative survey conducted by *Fortune Magazine*. Age range and product uncertain.
  - b. Assumed extensions to age distribution for percentage smokers are shown in the extended version of Table 4 in the Excel tables workbook.
- 12 Remington *et al* (1985)**
- a. Behavioral Risk Factor Surveys, carried out during 1981-1983, in 28 states and District of Columbia, and supplemental survey conducted by University of Carolina in 1983 in all remaining states except Hawaii. In most states and in the supplemental survey, multistage cluster sampling using random-digit-dialling, otherwise simple random sampling. Telephone interviews with one adult per household. Sample size 22 236, median response rate 80%. Results weighted to be representative of civilian population.
  - b. Results reported against 1982.
  - c. Smokers: had smoked 100 cigarettes in lifetime and currently smoke.
  - d. State-specific rather than national estimates are generally presented from this series. For instance, prevalence among men (in 49 states and District of Columbia) in 2004 ranged from 11.7% in Utah to 29.3% in Kentucky, and among women from 9.4% in Utah to 26.4% in West Virginia (Anonymous (2005c)).
  - e. Assumed extensions to age distribution for percentage smokers are shown in the extended version of Table 4 in the Excel tables workbook.

**13 Horn *et al* (1959)**

- a. Survey by American Cancer Society of schools in and around Portland, Oregon. Sample size (boys) 11 060, (girls) 10 920.
- b. Smokers: had smoked more than a few times and smoked currently. Regular smokers: smoked at least once a week.
- c. Consumption category estimation based on 1-4, 5-9, 10-19 and 20+ cigarettes/smoker/day.

**14 Salber *et al* (1961)**

- a. A survey of students in public high schools in Newton, Massachusetts. Approximate ages corresponding to school grades. Sample size: (boys) 3 449, (girls) 3 361, response rate 92%.
- b. Smokers: had smoked at least 10 cigarettes and considered themselves to be smokers.
- c. Consumption category estimation based on <1 pack/week, 1-4 packs/week and 5+ packs/week (1-2, 3-10 and 11+ cigarettes/smoker/day assumed). This includes occasional smokers in the 1-2 cigarettes/smoker/day category and uses a low starting point for the heaviest smoking group and so the resulting figures should be treated with caution.

**15 Johnston *et al* (2006)**

- a. Monitoring the Future surveys, sponsored by the National Institute on Drug Abuse. Conducted in the spring of each year, nationally representative sample of public and private school students in grade 12 since 1975 and additionally in grades 8 and 10 since 1991. Tables 4-6 show approximate ages corresponding to school grades. High school drop-outs (about 15-20% of each graduating cohort) are excluded. Self-completion questionnaires administered in class by research staff, with teachers present but not participating.

| Year | Sample size | Response rates (%) |       |          |      |      |
|------|-------------|--------------------|-------|----------|------|------|
|      |             | Schools            |       | Students |      |      |
|      |             | Initial            | Total | 8th      | 10th | 12th |
| 1975 | 15 791      |                    |       | —        | —    | 78   |
| 1976 | 16 678      |                    |       | —        | —    | 77   |
| 1977 | 18 436      | 59                 | 98    | —        | —    | 79   |
| 1978 | 18 924      | 63                 | 99    | —        | —    | 83   |
| 1979 | 16 662      | 62                 | 97    | —        | —    | 82   |
| 1980 | 16 524      | 63                 | 95    | —        | —    | 82   |
| 1981 | 18 267      | 71                 | 96    | —        | —    | 81   |
| 1982 | 18 348      | 71                 | 97    | —        | —    | 83   |
| 1983 | 16 947      | 66                 | 99    | —        | —    | 84   |
| 1984 | 16 499      | 72                 | 98    | —        | —    | 83   |
| 1985 | 16 502      | 67                 | 96    | —        | —    | 84   |
| 1986 | 15 713      | 66                 | 99    | —        | —    | 83   |
| 1987 | 16 843      | 72                 | 99    | —        | —    | 84   |
| 1988 | 16 795      | 71                 | 98    | —        | —    | 83   |
| 1989 | 17 142      | 68                 | 99    | —        | —    | 86   |
| 1990 | 15 676      | 70                 | 99    | —        | —    | 86   |
| 1991 | 48 323      | 59                 | 98    | 90       | 87   | 83   |
| 1992 | 50 263      | 55                 | 98    | 90       | 88   | 84   |
| 1993 | 51 099      | 60                 | 99    | 90       | 86   | 84   |
| 1994 | 49 717      | 53                 | 97    | 89       | 88   | 84   |
| 1995 | 51 090      | 52                 | 96    | 89       | 87   | 84   |
| 1996 | 49 065      | 53                 | 96    | 91       | 87   | 83   |
| 1997 | 50 807      | 51                 | 98    | 89       | 86   | 83   |
| 1998 | 49 866      | 51                 | 99    | 88       | 87   | 82   |
| 1999 | 45 228      | 57                 | 99    | 87       | 85   | 83   |
| 2000 | 45 173      | 62                 | 97    | 89       | 86   | 83   |
| 2001 | 44 346      | 56                 | 98    | 90       | 88   | 82   |
| 2002 | 43 716      | 49                 | 97    | 91       | 85   | 83   |
| 2003 | 48 467      | 53                 | 98    | 89       | 88   | 83   |
| 2004 | 49 474      | 62                 | 99    | 89       | 88   | 82   |
| 2005 | 49 347      | 63                 | 97    | 90       | 88   | 82   |

- b. Questionnaires include a tear-off sheet for personal information, except for half the 1998 sample and all following years for 8<sup>th</sup> and 10<sup>th</sup> graders which were anonymous. Comparison of the 1998 subsamples showed no effect of the change on daily or half-pack per day usage, but for any smoking (in past 30 days) showed a greater decline (0.6%) in the group with unchanged methodology than in the overall sample (0.3% decline).

- c. Regular smokers: smoked daily. All smokers: smoked any cigarette in last 30 days. Cigarettes per smoker (Table 5) refers to daily cigarette smokers.
- d. Consumption category estimation based on 1-9, 10+ cigarettes/smoker/day and resulting figures should be regarded with caution.

#### 16 Anonymous (1991b)

- a. Teenage Attitudes and Practices Survey (TAPS), which in 1989 focussed on tobacco use. Adolescents were sampled from households that had participated in the 1988 and 1989 NHIS. Computer assisted telephone interviewing (CATI) or mail questionnaires (for homes without telephones and for initial non-respondents). Sample size 9 965, response rate 82%. Data weighted to provide national estimates.
- b. Among 17-18-year-olds, the prevalence of smoking during the previous week was substantially higher among those who had dropped out of school (43.3%) than among non-dropouts (17.1% ).
- c. Smokers: smoked cigarettes in the 30 days preceding the survey. Regular smokers: smoked cigarettes in the 7 days preceding the survey.

#### 17 Hearn *et al* (1991)

- a. Survey conducted in 10 Minneapolis schools using a standardized questionnaire. Sample size (males) 237, (females) 202. Response rate 88%. Age range not stated, but average age 15.0 years. Year not stated. Included for comparison with data for USSR from the same source (see Chapter 29 of second edition, source 41).
- b. Smokers: smoked at least a few cigarettes per month. Regular smokers: smoked at least a partial pack of cigarettes a week.

#### 18 Anonymous (1991c), Everett *et al* (2000), Brener *et al* (2005), CDC (2006), Eaton *et al* (2006)

- a. Youth Risk Behavior Surveillance System (YRBSS). Nationally representative surveys of high school students in public and private schools. Self-completion questionnaires completed in class, with measures taken to ensure privacy of responses. Approximate ages corresponding to school grades 9-12.

| Year | Sample size | Response rate (%) |         |         |
|------|-------------|-------------------|---------|---------|
|      |             | School            | Student | Overall |
| 1990 | 11 631      |                   |         |         |
| 1991 | 12 272      | 75                | 90      | 70      |
| 1993 | 16 296      | 78                | 90      | 70      |
| 1995 | 10 904      | 70                | 86      | 60      |
| 1997 | 16 262      | 79                | 87      | 69      |
| 1999 | 15 028      | 77                | 86      | 66      |
| 2001 | 13 627      | 75                | 83      | 63      |
| 2003 | 15 240      | 81                | 83      | 67      |
| 2005 | 13 953      | 78                | 86      | 67      |

- b. Regular cigarette smokers: (1990) smoked on more than 25 of past 30 days, (1991-2005) smoked cigarettes on 20 or more of the past 30 days. Cigarette smokers: smoked cigarettes in the past 30 days. All tobacco smokers: (1997) smoked cigarettes or cigars. All tobacco users (shown as product A\* in Table 4 as includes non-smokers who used smokeless tobacco): (1990) smoked cigarettes or used chewing tobacco or snuff in past 30 days, (1997-2005) smoked cigarettes or cigars, or used chewing tobacco, snuff or dip in past 30 days.
- c. Prevalence of use of smokeless tobacco (irrespective of smoking) was, for example, 19.1% in boys and 1.4% in girls in 1990, and 13.6% in boys and 2.2% in girls in 2005.
- d. See also source 19.

#### 19 Escobedo *et al* (1997)

- a. Youth Risk Behavior Supplement to the 1992 NHIS. Within each sample household, one youth who attended school and up to two who were not in school or whose student status was unknown were eligible. Questionnaire same as the national YRBSS surveys (see source 18). Face-to-face interviews using audiocassette technology to enhance privacy. Sample size 10 645, response rate 74%.
- b. Smokers: smoked cigarettes in past 30 days.
- c. A comparison of 12-19 year olds who attended school and those who did not gave prevalence of current cigarette smoking as: (school attenders) 20.4%, (not attending school) 33.7% (Anonymous (1994c)).

**20 USDHEW - Health Services and Mental Health Administration (1972, 1974), Green *et al* (1979)**

- a. National Teenage Tobacco Surveys. Telephone surveys. Sample size (1968) 4 414, (1970) 2 640, (1972) 2 790, (1974) 2 553, and (1979) 2 639. The 1968 survey included an additional 10% personal interviews in non-telephone households; results were found to be similar and they are not included in the results shown here.
- b. Smokers marked frequency \*: smoked cigarettes daily. Regular smokers: smoked one or more cigarettes a week. Smokers: smoked regularly but less than one cigarette a week.
- c. For 18 year olds, the prevalence of regular smoking according to school status was as follows (USDHEW - Public Health Service (1972)):

|       |      | High school | College | Not in school |
|-------|------|-------------|---------|---------------|
| Boys  | 1968 | 28.0        | 31.6    | 55.7          |
|       | 1970 | 38.9        | 35.4    | 59.1          |
| Girls | 1968 | 16.8        | 18.2    | 27.2          |
|       | 1970 | 21.4        | 17.6    | 41.0          |

- d. Consumption category estimation based on 1-4, 5-9, and 10+ cigarettes/smoker/day.

**21 WHO (2001, 2003), Currie *et al* (2004)**

- a. Part of the Health Behaviour in School-Aged Children (HBSC) Study, a collaborative cross-national research study sponsored by the WHO. School classes or schools were randomly selected, targeting age groups 11 (not presented here), 13 and 15. Results presented here are from online analysis of the public-access data files.
- b. In 1996, children in grades 6, 8 and 10 were sampled. Sample size 9 938 of whom 294 were omitted due to missing data for smoking.
- c. The US part of the 1997-1998 survey was carried out in April 1998. Multistage cluster sampling. Sample achieved was 386 schools (response rate 58%) and 17 000 students (83%); some students were excluded from the data file due to missing data, giving a sample size of 15 686, and a further 494 had missing data for the key smoking question. Unlike other surveys in this series, results are available by age rather than school grade. Results for 11 year olds not presented here. See Currie *et al* (2000) for results by school grade.
- d. The US part of the 2001-2002 survey was carried out in November-December 2001. Recommended minimum sample size was 1 536 for each age group.

| Target age | Mean age | Sample size |
|------------|----------|-------------|
| 13         | 13.5     | 1 921       |
| 15         | 15.5     | 1 625       |

- e. Smokers marked as frequency \*: smoked daily. Regular smokers: (1996) smoked on at least 6 days in last month, (1998, 2001) smoked once a week or more. All smokers: (1996) smoked in last month, (1998) smoke now (including smoking less than once a week). Cigarettes per smoker (Table 5) and cigarettes per person (Table 6) refer to daily smokers.
- f. Consumption category estimation (1996) based on 1, 2-5, 6-10, 11-20, and 21+ cigarettes/smoker/day.
- g. Calculation of cigarettes per person (1997-1998) based on percentage smokers (all products), and number of cigarettes per cigarette smoker, so may overestimate.

**22 Anonymous (2000b, 2003b, 2005d), CDC (2001)****23 Global Youth Tobacco Survey Collaborating Group (2003)**

- a. Results shown as source 22 refer to the National Youth Tobacco Survey (NYTS), conducted by the American Legacy Foundation in collaboration with the CDC Foundation. Three-stage cluster sample giving a nationally representative sample of students at public and private schools, grades 6-12. Anonymous self-completed questionnaire, in English. Approximate ages corresponding to grades 6-8 (middle school, includes 11 year olds), and 9-12 (high school).

| Year | Sample size | Response rate (%) |         |         |
|------|-------------|-------------------|---------|---------|
|      |             | School            | Student | Overall |
| 1999 | 15 061      | 90                | 93      | 84      |
| 2000 | 35 828      | 90                | 93      | 84      |
| 2002 | 26 119      | 83                | 91      | 75      |
| 2004 | 27 933      |                   |         | 88      |

- b. Results shown as source 23 are reported as part of the GYTS (Global Youth Tobacco Survey) surveillance system supported by WHO and CDC. They refer to a subset of the 2000 NYTS survey, ages 13-15 only, sample size 16 416.



- c. Cigarette smokers: smoked cigarettes in last 30 days. All tobacco users (shown as product A\* in Table 4 because includes non-smokers who used smokeless tobacco): used bidis, cigarettes, cigars, kreteks, pipes or smokeless tobacco in last 30 days. The authors comment that this does not include smoking of "roll-your-own" tobacco.

**24 Simantov *et al* (2000)**

- a. Commonwealth Fund Survey of the Health of Adolescent Girls and Boys. Nationally representative stratified sample of students at public, private and parochial schools. Anonymous self-completion questionnaire completed in class and handed to teacher in sealed envelope. Sample size 5 513, response rate not determined due to method of sampling. Grades 5-12 were included, but no results available for grades 5-6. Approximate ages corresponding to school grades 7-8, 9-10 and 11-12.
- b. Regular smokers: smoked several cigarettes per week or more. All smokers: smoked cigarettes at least sometimes.

**25 Chollat-Traquet (1992)**

- a. No original source.

*Additional information (not presented in tables)*

Jackson (1950) quoting Borden (date unknown) reported that in 1910 cigarette smoking was "limited to a very small percentage of men and to a negligible fraction of women."

Brooks (1952) reported that smoking by women was frowned upon in the early 20th century. An ordinance of 1908 made it illegal for them to use tobacco publicly in New York City. The first advertisement featuring an oriental female smoker appeared in 1919. There were frequent cases, in the 1920s, of women dismissed from employment, expelled from institutions of learning or otherwise penalized for daring to smoke. Heimann (1960) reported that "the nation's ladies took to smoking in large numbers..." while "opposition to tobacco during the 20's continued to be based on social objections with the short-skirted cigarette-brandishing flapper as the symbolic target." However Howe (1984) reported that the first cigarette advertisements aimed at women did not appear until the mid 1920s, with the first woman smoking featured in 1933, and that "it was only during World War II that large numbers of women first adopted the smoking habit." Kellogg (2002, reprinted from 1922) reported that "It is claimed that 90% of all men smoke, while comparatively few women do so. .... There can be no doubt that the practice is no longer confined to street women and actresses and women of the 'smart set' as a few years ago, but is rapidly expanding to the more conservative classes." US Surgeon General (1980) concluded that "smoking rates among women did not exceed one-quarter until the onset of World War II."

Howe (1984) and US Surgeon General (1980) quoting the Milwaukee Journal presented data from an annual survey in the Greater Milwaukee area, of adult (age 18+) men from 1923 and also of women from 1934. In 1923, 87% of men smoked some form of tobacco, and 60% of male cigarette smokers also smoked pipe or cigars. The prevalence of cigarette smoking was as follows (selected years, mostly read from graph):

|      | Males | Females |
|------|-------|---------|
| 1923 | 51.8  |         |
| 1930 | 57    |         |
| 1934 | 61    | 16.7    |
| 1935 | 62.5  | 20      |
| 1940 | 64    | 27      |
| 1945 | 66    | 32      |
| 1948 | 67.1  | 38      |
| 1950 | 65    | 38      |
| 1953 | 69    | 42.9    |
| 1955 | 69    | 43      |
| 1958 | 73    | 45.4    |
| 1960 | 63    | 50      |
| 1965 | 54    | 45      |
| 1970 | 38    | 36      |

Male cigarette smokers smoked 3.7 packs per week in 1923, and 4.8 packs in 1935 (equivalent to 10.6 and 13.7 cigarettes/smoker/day respectively). Women smokers smoked about half as many as male smokers in 1934.

In addition to the Milwaukee and Columbus surveys (reported above and as source 10), US Surgeon General (1980) gave estimates of the prevalence of adult smoking from other local consumer surveys of urban areas in 1948:

|              | <b>Males</b> | <b>Females</b> |
|--------------|--------------|----------------|
| Omaha        | 69.1         | 34.3           |
| Birmingham   | 67.4         | 35.6           |
| Philadelphia | 69.4         | 46.7           |
| Seattle      | 63.9         | 38.3           |
| San Jose     | 63.4         | 34.0           |

Pirie *et al* (1988) reported a follow-up study in 1985 of students originally interviewed in 1979 and 1980 when in the 7<sup>th</sup> grade in the Twin Cities metropolitan area. Original sample size 7 124. 78% were still enrolled in their original school district and were surveyed using confidential self-completion questionnaires in class. 20% were located by other means and interviewed by telephone. The 2% (155) not re-interviewed include 7 deaths and 47 runaways. The prevalence of smoking (at least one cigarette per day in past 30 days) differed according to school status as follows:

|         | <b>School status*</b> |                 |                 |                 |              |
|---------|-----------------------|-----------------|-----------------|-----------------|--------------|
|         | <b>In school</b>      | <b>Absentee</b> | <b>Transfer</b> | <b>Drop-out</b> | <b>Total</b> |
| Males   | 16.6                  | 18.2            | 25.7            | 77.7            | 21.2         |
| Females | 22.5                  | 32.8            | 32.1            | 77.7            | 27.0         |

\* In school = still enrolled in the original school district and present on the date of the school survey; Absentee = student still enrolled in the original school district, absent on the first day but surveyed in school 10 days later; Transfer = enrolled in school elsewhere (includes students enrolled in schools outside the public school system and a few who had fallen behind their classes); Drop-out = not enrolled in any school.

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