
International Smoking Statistics

Web Edition

A collection of worldwide historical data

France

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Minor corrections to Tables 1.4 ('all tobacco products', 2004-2008) and 1.5 (2005).

Column headings corrected in Tables 6-7. Tables 4Ext and 6Ext and Figure 3Ext added to Excel workbook. Minor text changes. (Note that calculations of '% total sales' (Tables 6-8) and of 'adult (15+) estimates' (Tables 4Ext, 6Ext and 8, Figures 3-4) have not been updated with the revised sales and population data; there may be discrepancies for 2004 and 2006, but these will be very minor.)

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¹ See footnotes to Tables and Figures

Preface

International Smoking Statistics is a collection of smoking data covering most of Europe and various other economically developed countries. The second edition (published by Wolfson Institute of Preventive Medicine and OUP, 2002, www.oup.co.uk/isbn/0-19-850856-5) 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 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 20th 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 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*.

Data on the sales of tobacco in France are available from 1861. The consumption of manufactured cigarettes started around the 1870s and reached 0.7 cigarettes per adult per day by 1923. Consumption per adult then increased to nearly 6 cigarettes per day by the late 1970s and was then steady until the early 1990s. Consumption then decreased to 3 per day in the late 2000s. In addition to these general trends, there was a dip in the consumption of manufactured cigarettes during the Second World War.

We estimate that consumption of hand-rolled cigarettes per adult declined from about 1.5 to about 0.2 cigarettes per day between 1950 and 1990, then increased slightly, to 0.5 by the mid-2000s. Estimates of hand-rolled cigarette consumption are based on sales of 'scaferlatis' which is fine-cut tobacco used for hand-rolling and pipes.

Apart from a fall during the Second World War, the consumption per adult of all tobacco products combined increased from nearly 3 g per day in 1865 to around 7 g in the period between 1974 and 1979. Since then it declined steadily, to about 3 g by the mid-2000s.

In 1865 the majority of tobacco was consumed in the form of scaferlatis, with chewing tobacco and snuff also popular. The use of manufactured cigarettes increased rapidly during the 1920s: by 1932 over 37% of all tobacco consumed was as manufactured cigarettes. This increased to nearly 90% by the mid 1980s but declined after the mid 1990s, reaching 75% by 2004. Most of the remainder was sold as pipe and hand-rolling tobacco, with a small surge in cigar and cigarillo consumption in the 2000s. The percentage of manufactured cigarettes that were filtered increased steadily from less than 10% in 1950s to over 90% in the 2000s. Traditionally a high proportion of the cigarettes sold in France have been of dark tobacco, but in recent years blond cigarettes have almost completely taken over, the proportion rising from 20% in 1978 to 90% by 2005.

Smuggling was not a major feature of the French market before 2000: it was estimated as around 3% of consumption. However, cross-border sales and smuggling may have increased since then.

Survey data

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

In 1953, the prevalence of all tobacco smoking among those aged 15 years and over was 76% in men and 30% in women. The difference between the percentages of men and women who smoke has decreased since then owing to a steady decrease in the prevalence among men to around 30% in the 2000s (although one source (source 8) has given consistently lower estimates since the 1960s). Estimates for the prevalence among women varied around 15-35%, with no trend evident over time. Several surveys in the 1960s and 1970s showed a high prevalence of occasional smoking (about 10-15% in both sexes) so, when interpreting the prevalence estimates, the definition of smoking used by each survey should be taken into account.

The percentage of men who smoked other products but not cigarettes dropped from 15% in 1960 to 3-4% since the mid-1970s, with the prevalence somewhat higher for older men. Very few women smoked other tobacco products but not cigarettes. There are few data on prevalence by type of cigarette, but smoking of hand-rolled cigarettes only appears to be around 6% among men (perhaps rising to 9% in the 2000s) and 1% among women (perhaps rising to 4% in the 2000s). Several authors have noted that a higher proportion of men than women prefer dark tobacco brands (sources 11 and 12, see *Notes on sources of survey data*, p. 53).

During the period from the 1950s to the present, a decrease was seen within each age group in the percentages of men smoking; this appeared greatest among men aged over 65. There has always been a strong tendency for prevalence to decline with increasing age, this being particularly marked among women. Results of surveys of teenage smoking varied considerably, but most showed the prevalence of smoking among girls to be similar to that among boys, particularly when occasional smoking was included.

Comparison of survey and sales data suggests that surveys generally under-reported consumption by 5-30%. The estimated number of manufactured cigarettes smoked per person per day (sales-adjusted, averaged for the whole adult population) for men increased from 7 in 1960 to around 8 in the 1970s and 1980s, then decreased again to below 6 by the late 1990s. This may have decreased further during the 2000s. The number of cigarettes including hand-rolled cigarettes remained, for men, around 9 until the 1980s, after which it decreased to 7 by 2000 and possibly further since then. For women the number of cigarettes per person per day was 1-2 in the 1960s and 3-4 thereafter.

Table 1.1 Total annual sales of tobacco products, 1861-1924

| Year | Manufactured cigarettes & cigarillos | | Cigars | | Smoking tobacco tonnes | Chewing tobacco tonnes | Snuff tonnes | All tobacco products tonnes |
|------|---|----------|--------|----------|------------------------------|------------------------------|-----------------|-----------------------------------|
| | tonnes | millions | tonnes | millions | | | | |
| 1861 | 8 | 7 | 3 108 | 777 | 16 743 | 977 | 7 243 | 28 079 |
| 1862 | 10 | 8 | 3 120 | 780 | 17 093 | 981 | 7 320 | 28 524 |
| 1863 | 10 | 8 | 3 064 | 766 | 17 650 | 1 062 | 7 455 | 29 241 |
| 1864 | 10 | 8 | 3 108 | 777 | 17 982 | 1 093 | 7 734 | 29 927 |
| 1865 | 11 | 9 | 2 960 | 740 | 18 005 | 1 092 | 7 846 | 29 914 |
| 1866 | 12 | 10 | 3 248 | 812 | 18 237 | 1 119 | 7 946 | 30 562 |
| 1867 | 13 | 11 | 3 268 | 817 | 18 824 | 1 159 | 7 927 | 31 191 |
| 1868 | 14 | 12 | 3 120 | 780 | 19 045 | 1 224 | 9 747 | 33 150 |
| 1869 | 18 | 15 | 3 124 | 781 | 19 560 | 1 232 | 8 239 | 32 173 |
| 1870 | 20 | 17 | 2 860 | 715 | 19 412 | 1 200 | 7 808 | 31 300 |
| 1871 | 18 | 15 | 2 712 | 678 | 16 670 | 987 | 6 576 | 26 963 |
| 1872 | 48 | 40 | 3 336 | 834 | 16 190 | 950 | 6 508 | 27 032 |
| 1873 | 282 | 235 | 3 300 | 825 | 17 308 | 974 | 6 510 | 28 374 |
| 1874 | 502 | 418 | 3 284 | 821 | 17 775 | 998 | 6 643 | 29 202 |
| 1875 | 630 | 525 | 3 348 | 837 | 18 607 | 1 029 | 6 859 | 30 473 |
| 1876 | 736 | 613 | 3 396 | 849 | 19 470 | 1 079 | 6 924 | 31 605 |
| 1877 | 751 | 626 | 3 416 | 854 | 19 974 | 1 149 | 7 004 | 32 294 |
| 1878 | 826 | 688 | 3 360 | 840 | 20 028 | 1 175 | 6 983 | 32 372 |
| 1879 | 826 | 688 | 3 292 | 823 | 20 529 | 1 211 | 6 894 | 32 752 |
| 1880 | 946 | 788 | 3 400 | 850 | 21 230 | 1 244 | 6 886 | 33 706 |
| 1881 | 1 050 | 875 | 3 396 | 849 | 21 696 | 1 237 | 6 897 | 34 276 |
| 1882 | 1 127 | 939 | 3 604 | 901 | 22 266 | 1 269 | 6 962 | 35 228 |
| 1883 | 1 127 | 939 | 3 672 | 918 | 22 964 | 1 284 | 6 860 | 35 907 |
| 1884 | 1 105 | 921 | 3 724 | 931 | 23 729 | 1 222 | 6 775 | 36 555 |
| 1885 | 1 063 | 886 | 3 628 | 907 | 23 955 | 1 225 | 6 586 | 36 457 |
| 1886 | 1 030 | 858 | 3 524 | 881 | 23 771 | 1 210 | 6 446 | 35 981 |
| 1887 | 1 002 | 835 | 3 536 | 884 | 23 992 | 1 219 | 6 242 | 35 991 |
| 1888 | 1 115 | 929 | 3 496 | 874 | 24 389 | 1 249 | 6 049 | 36 298 |
| 1889 | 1 026 | 855 | 3 508 | 877 | 24 704 | 1 214 | 5 898 | 36 350 |
| 1890 | 1 062 | 885 | 3 368 | 842 | 24 962 | 1 223 | 5 732 | 36 347 |
| 1891 | 1 141 | 951 | 3 276 | 819 | 25 160 | 1 250 | 5 507 | 36 334 |
| 1892 | 1 289 | 1 074 | 3 272 | 818 | 25 225 | 1 232 | 5 478 | 36 496 |
| 1893 | 1 405 | 1 171 | 3 196 | 799 | 24 935 | 1 194 | 5 353 | 36 083 |
| 1894 | 1 457 | 1 214 | 3 128 | 782 | 25 107 | 1 181 | 5 308 | 36 181 |
| 1895 | 1 571 | 1 309 | 3 108 | 777 | 25 530 | 1 148 | 5 237 | 36 594 |
| 1896 | 1 776 | 1 480 | 3 124 | 781 | 26 411 | 1 142 | 5 187 | 37 640 |
| 1897 | 1 766 | 1 472 | 3 080 | 770 | 26 752 | 1 129 | 4 954 | 37 681 |
| 1898 | 1 859 | 1 549 | 3 140 | 785 | 27 431 | 1 144 | 4 915 | 38 489 |
| 1899 | 1 950 | 1 625 | 3 092 | 773 | 27 912 | 1 198 | 4 905 | 39 057 |
| 1900 | 2 161 | 1 801 | 2 880 | 720 | 27 734 | 1 135 | 4 918 | 38 828 |
| 1901 | 2 215 | 1 846 | 2 624 | 656 | 27 874 | 1 085 | 4 855 | 38 653 |
| 1902 | 2 372 | 1 977 | 2 580 | 645 | 28 429 | 1 075 | 4 606 | 39 062 |
| 1903 | 2 556 | 2 130 | 2 628 | 657 | 27 833 | 1 108 | 4 554 | 38 679 |
| 1904 | 2 641 | 2 201 | 2 660 | 665 | 28 340 | 1 181 | 4 640 | 39 462 |
| 1905 | 2 710 | 2 258 | 2 684 | 671 | 28 498 | 1 185 | 4 716 | 39 793 |
| 1906 | 3 026 | 2 522 | 2 688 | 672 | 28 388 | 1 162 | 4 831 | 40 095 |
| 1907 | 3 353 | 2 794 | 2 384 | 596 | 28 724 | 1 150 | 4 851 | 40 462 |
| 1908 | 3 488 | 2 907 | 2 316 | 579 | 29 156 | 1 157 | 4 756 | 40 873 |
| 1909 | 3 661 | 3 051 | 2 312 | 578 | 29 493 | 1 142 | 4 861 | 41 469 |
| 1910 | 3 900 | 3 250 | 2 368 | 592 | 29 960 | 1 151 | 4 879 | 42 258 |
| 1911 | 4 224 | 3 520 | 2 336 | 584 | 30 513 | 1 156 | 4 650 | 42 879 |
| 1912 | 4 607 | 3 839 | 2 444 | 611 | 31 498 | 1 150 | 4 719 | 44 418 |
| 1913 | 4 858 | 4 048 | 2 592 | 648 | 31 552 | 1 147 | 4 715 | 44 864 |
| 1923 | 10 121 | 8 434 | 1 452 | 363 | 38 082 | 1 078 | 4 224 | 54 957 |
| 1924 | 12 035 | 10 029 | 1 348 | 337 | 40 222 | 1 076 | 3 917 | 58 598 |

Source: see *Notes on sources of sales data: Sales data before 1960*, p. 49

Table 1.2 Total annual sales of tobacco products, 1932-1959

| Year | Manufactured cigarettes | | Cigars | | Cigarillos | | Smoking tobacco | Chewing tobacco | Snuff | All tobacco products tonnes |
|------|-------------------------|----------|--------|----------|------------|----------|-----------------|-----------------|--------|--------------------------------|
| | tonnes | millions | tonnes | millions | tonnes | millions | tonnes | tonnes | tonnes | |
| 1932 | 22 106 | 18 422 | 764 | 191 | 163 | 102 | 32 348 | 937 | 2 551 | 58 870 |
| 1933 | 21 767 | 18 139 | 720 | 180 | 165 | 103 | 32 274 | 923 | 2 413 | 58 262 |
| 1934 | 20 815 | 17 346 | 656 | 164 | 176 | 110 | 31 874 | 891 | 2 309 | 56 721 |
| 1935 | 20 082 | 16 735 | 616 | 154 | 189 | 118 | 30 364 | 848 | 2 169 | 54 268 |
| 1936 | 20 628 | 17 190 | 632 | 158 | 208 | 130 | 30 723 | 853 | 2 026 | 55 070 |
| 1937 | 21 684 | 18 070 | 680 | 170 | 256 | 160 | 29 574 | 810 | 1 897 | 54 901 |
| 1938 | 22 468 | 18 723 | 592 | 148 | 256 | 160 | 29 314 | 767 | 1 716 | 55 113 |
| 1939 | 24 601 | 20 501 | 620 | 155 | 258 | 161 | 31 841 | 685 | 1 628 | 59 633 |
| 1940 | 22 802 | 19 002 | 632 | 158 | 278 | 174 | 29 990 | 564 | 1 396 | 55 663 |
| 1941 | 18 276 | 15 230 | 268 | 67 | 182 | 114 | 24 425 | 603 | 1 112 | 44 866 |
| 1942 | 13 228 | 11 023 | 240 | 60 | 182 | 114 | 15 011 | 542 | 1 246 | 30 449 |
| 1943 | 12 048 | 10 040 | 232 | 58 | 130 | 81 | 11 560 | 447 | 1 175 | 25 592 |
| 1944 | 10 690 | 8 908 | 164 | 41 | 136 | 85 | 9 259 | 335 | 802 | 21 386 |
| 1945 | 15 930 | 13 275 | 192 | 48 | 141 | 88 | 14 470 | 470 | 883 | 32 086 |
| 1946 | 22 260 | 18 550 | 200 | 50 | 144 | 90 | 18 581 | 572 | 880 | 42 637 |
| 1947 | 29 551 | 24 626 | 236 | 59 | 149 | 93 | 23 961 | 696 | 892 | 55 485 |
| 1948 | 32 257 | 26 881 | 212 | 53 | 125 | 78 | 26 649 | 721 | 856 | 60 820 |
| 1949 | 34 186 | 28 488 | 272 | 68 | 160 | 100 | 21 075 | 644 | 786 | 57 123 |
| 1950 | 38 252 | 31 877 | 396 | 99 | 245 | 153 | 21 643 | 612 | 757 | 61 905 |
| 1951 | 41 546 | 34 622 | 424 | 106 | 251 | 157 | 19 856 | 613 | 729 | 63 420 |
| 1952 | 43 649 | 36 374 | 412 | 103 | 304 | 190 | 18 415 | 574 | 699 | 64 053 |
| 1953 | 43 426 | 36 188 | 400 | 100 | 366 | 229 | 18 519 | 536 | 656 | 63 903 |
| 1954 | 43 878 | 36 565 | 416 | 104 | 381 | 238 | 18 120 | 515 | 555 | 63 865 |
| 1955 | 47 683 | 39 736 | 472 | 118 | 440 | 275 | 17 414 | 520 | 560 | 67 089 |
| 1956 | 51 042 | 42 535 | 588 | 147 | 472 | 295 | 17 505 | 529 | 574 | 70 710 |
| 1957 | 53 549 | 44 624 | 576 | 144 | 530 | 331 | 17 839 | 558 | 559 | 73 610 |
| 1958 | 55 264 | 46 053 | 764 | 191 | 573 | 358 | 18 327 | 507 | 493 | 75 927 |
| 1959 | 52 844 | 44 037 | 868 | 217 | 517 | 323 | 17 783 | 533 | 508 | 73 053 |

Source: see *Notes on sources of sales data: Sales data before 1960*, p. 49

Table 1.3 Total annual sales of tobacco products, 1960-1989

| Year | Manufactured cigarettes | | Cigars and cigarillos | | | Smoking tobacco tonnes | Chewing tobacco and snuff tonnes | All tobacco products tonnes |
|------|-------------------------|----------|-----------------------|-----------------|---------------------|------------------------|----------------------------------|-----------------------------|
| | tonnes | millions | tonnes | cigars millions | cigarillos millions | | | |
| 1960 | 52 729 | 44 617 | 1 490 | 242 | 325 | 18 057 | 985 | 73 261 |
| 1961 | 53 999 | 46 046 | 1 614 | 264 | 350 | 18 075 | 946 | 74 635 |
| 1962 | 55 765 | 47 923 | 1 746 | 285 | 380 | 18 262 | 883 | 76 656 |
| 1963 | 57 268 | 49 602 | 1 906 | 328 | 372 | 18 371 | 821 | 78 365 |
| 1964 | 57 732 | 50 401 | 2 105 | 378 | 371 | 17 269 | 884 | 77 990 |
| 1965 | 61 508 | 54 127 | 2 251 | 406 | 393 | 16 636 | 816 | 81 211 |
| 1966 | 63 843 | 56 635 | 2 426 | 440 | 416 | 15 952 | 790 | 83 011 |
| 1967 | 67 513 | 60 377 | 2 498 | 451 | 434 | 15 549 | 775 | 86 335 |
| 1968 | 70 186 | 63 282 | 2 648 | 492 | 425 | 15 540 | 723 | 89 097 |
| 1969 | 72 428 | 65 844 | 2 788 | 533 | 410 | 14 359 | 721 | 90 296 |
| 1970 | 75 982 | 69 650 | 2 866 | 546 | 426 | 13 366 | 694 | 92 907 |
| 1971 | 78 046 | 72 143 | 3 282 | 656 | 411 | 12 514 | 705 | 94 546 |
| 1972 | 77 312 | 72 070 | 3 477 | 710 | 398 | 11 513 | 681 | 92 982 |
| 1973 | 80 176 | 75 379 | 3 785 | 795 | 378 | 10 713 | 668 | 95 342 |
| 1974 | 84 883 | 80 492 | 4 466 | 965 | 379 | 10 263 | 683 | 100 295 |
| 1975 | 88 704 | 84 847 | 5 286 | 1 172 | 374 | 9 683 | 685 | 104 358 |
| 1976 | 86 922 | 83 872 | 5 973 | 1 358 | 338 | 8 705 | 691 | 102 291 |
| 1977 | 88 793 | 86 436 | 6 790 | 1 572 | 314 | 8 260 | 671 | 104 515 |
| 1978 | 86 444 | 84 900 | 6 685 | 1 562 | 273 | 7 613 | 655 | 101 396 |
| 1979 | 88 708 | 87 909 | 6 683 | 1 568 | 257 | 7 257 | 581 | 103 229 |
| 1980 | 87 628 | 87 628 | 7 053 | | 1 926 | 7 140 | 516 | 102 337 |
| 1981 | 86 269 | 87 098 | 6 830 | | 1 865 | 6 972 | 427 | 100 497 |
| 1982 | 86 266 | 87 941 | 6 321 | | 1 726 | 6 908 | 416 | 99 911 |
| 1983 | 86 995 | 89 554 | 5 907 | | 1 613 | 6 689 | 416 | 100 007 |
| 1984 | 87 681 | 91 153 | 5 680 | | 1 551 | 6 469 | 391 | 100 220 |
| 1985 | 91 628 | 96 209 | 6 405 | | 1 749 | 6 550 | 404 | 104 987 |
| 1986 | 89 200 | 94 606 | 5 870 | | 1 603 | 5 846 | 372 | 101 288 |
| 1987 | 87 942 | 94 224 | 5 610 | | 1 532 | 5 529 | 374 | 99 456 |
| 1988 | 85 913 | 92 999 | 5 405 | | 1 476 | 5 235 | 382 | 96 936 |
| 1989 | 86 792 | 94 929 | 5 343 | | 1 459 | 4 988 | 380 | 97 503 |

Source: see *Notes on sources of sales data: Sales data for 1960-1989*, p. 49

Table 1.4 Total annual sales of tobacco products, 1990-2010

| Year | Manufactured cigarettes | | Cigars and cigarillos | | | Hand-rolling tobacco tonnes | Pipe tobacco tonnes | Chewing tobacco tonnes | Snuff tonnes | All tobacco products tonnes |
|------|-------------------------|----------|-----------------------|--------|--------|--------------------------------|------------------------|---------------------------|-----------------|--------------------------------|
| | tonnes | millions | total tonnes | large | small | | | | | |
| | | | | cigars | cigars | | | | | |
| 1990 | 86 684 | 95 809 | 5 398 | 87 | 1 387 | 2 023 | 2 910 | 397 | | 97 412 |
| 1991 | 86 928 | 97 100 | 5 398 | 88 | 1 386 | 2 193 | 2 712 | 394 | | 97 624 |
| 1992 | 85 303 | 96 310 | 5 046 | 82 | 1 296 | 2 515 | 2 454 | 351 | 53 | 95 722 |
| 1993 | 82 026 | 93 617 | 5 013 | 80 | 1 289 | 3 067 | 2 467 | 340 | 51 | 92 965 |
| 1994 | 78 098 | 90 113 | 5 156 | 79 | 1 329 | 3 759 | 2 436 | 322 | 47 | 89 818 |
| 1995 | 75 717 | 88 336 | 5 350 | 75 | 1 386 | 4 110 | 2 334 | 334 | 47 | 87 892 |
| 1996 | 73 033 | 86 163 | 5 607 | 76 | 1 455 | 4 768 | 2 230 | 328 | 45 | 86 011 |
| 1997 | 69 548 | 82 983 | 5 753 | 76 | 1 495 | 5 270 | 2 045 | 319 | 44 | 82 979 |
| 1998 | 69 463 | 83 835 | 5 973 | 78 | 1 553 | 5 369 | 1 915 | 303 | 43 | 83 066 |
| 1999 | 68 534 | 83 675 | 6 123 | 80 | 1 592 | 5 611 | 1 775 | 309 | 42 | 82 394 |
| 2000 | 66 797 | 82 514 | 6 269 | 80 | 1 632 | 5 581 | 1 589 | 319 | 39 | 80 594 |
| 2001 | 66 771 | 83 464 | 6 335 | 85 | 1 645 | 5 633 | 1 454 | 333 | 38 | 80 565 |
| 2002 | 64 423 | 80 529 | 6 255 | 83 | 1 625 | 5 721 | 1 236 | 332 | 34 | 78 001 |
| 2003 | 55 719 | 69 649 | 6 335 | | 1 730 | 5 954 | 1 041 | | 352 | 69 402 |
| 2004 | 43 939 | 54 924 | 6 929 | | 1 892 | 6 970 | 891 | | | 58 729 |
| 2005 | 43 841 | 54 801 | 6 767 | | 1 848 | 7 009 | 773 | | | 58 390 |
| 2006 | 44 618 | 55 772 | 6 661 | | 1 819 | 7 168 | 627 | | | 59 074 |
| 2007 | 43 956 | 54 945 | 6 196 | | 1 692 | 7 095 | 611 | | | 57 858 |
| 2008 | 42 871 | 53 589 | 5 965 | | 1 629 | 7 400 | 431 | | | 56 668 |
| 2009 | 43 984 | 54 980 | 5 779 | | 1 578 | 7 257 | 515 | | | 57 535 |
| 2010 | 43 838 | 54 797 | 5 698 | | 1 556 | 7 598 | 479 | | | 57 613 |

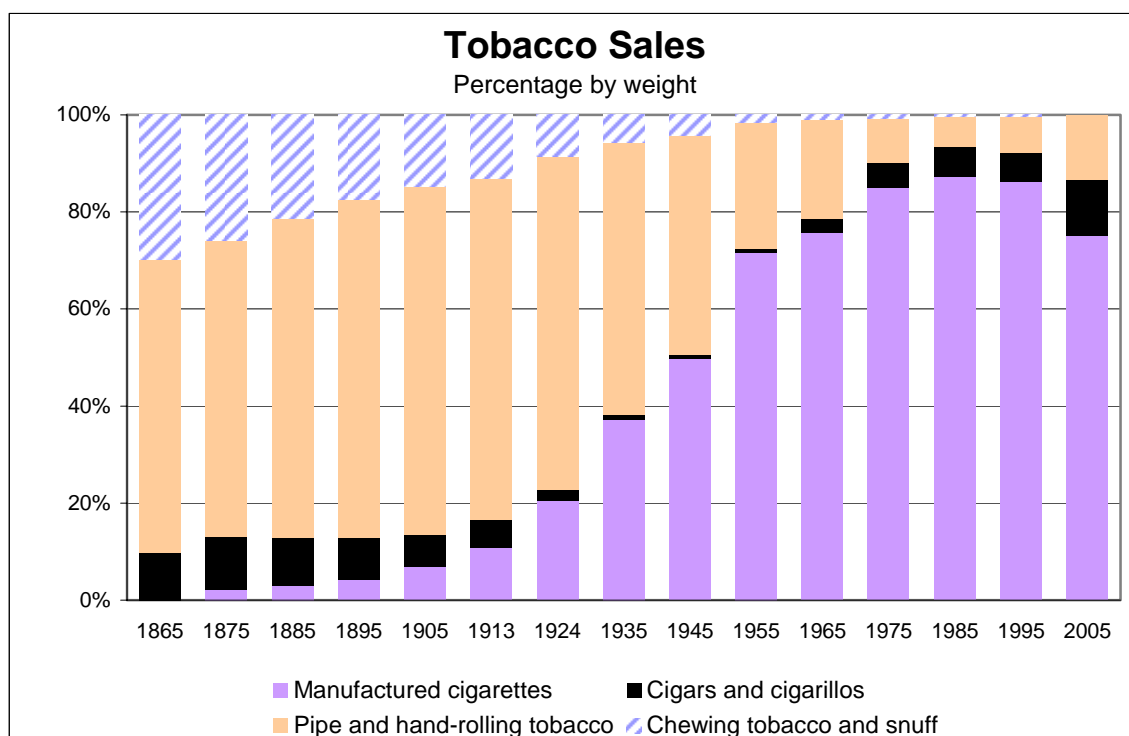
Source: see *Notes on sources of sales data: Sales data for 1990 onwards*, p. 50

Table 1.5 Percentage of sales of tobacco in different forms (by weight), selected years

| Year | Manufactured cigarettes | Cigars and cigarillos | Pipe and hand-rolling tobacco | Chewing tobacco and snuff |
|------|-------------------------|-----------------------|-------------------------------|---------------------------|
| | % | % | % | % |
| 1865 | 0.0 | 9.9 | 60.2 | 29.9 |
| 1875 | 2.1 | 11.0 | 61.1 | 25.9 |
| 1885 | 2.9 | 10.0 | 65.7 | 21.4 |
| 1895 | 4.3 | 8.5 | 69.8 | 17.4 |
| 1905 | 6.8 | 6.7 | 71.6 | 14.8 |
| 1913 | 10.8 | 5.8 | 70.3 | 13.1 |
| 1924 | 20.5 | 2.3 | 68.6 | 8.5 |
| 1935 | 37.1 | 1.1 | 56.1 | 5.6 |
| 1945 | 49.9 | 0.6 | 45.3 | 4.2 |
| 1955 | 71.5 | 0.7 | 26.1 | 1.6 |
| 1965 | 75.7 | 2.8 | 20.5 | 1.0 |
| 1975 | 85.0 | 5.1 | 9.3 | 0.7 |
| 1985 | 87.3 | 6.1 | 6.2 | 0.4 |
| 1995 | 86.1 | 6.1 | 7.3 | 0.4 |
| 2005 | 75.1 | 11.6 | 13.3 | |

Source: calculated from Tables 1.1 - 1.4

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



Source: Table 1.5

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 |
| 1865 | 9 | 0.0 | | | | | 29 914 | 2.9 |
| 1870 | 17 | 0.0 | | | | | 31 300 | 3.1 |
| 1875 | 525 | 0.1 | | | | | 30 473 | 3.1 |
| 1880 | 788 | 0.1 | | | | | 33 706 | 3.3 |
| 1885 | 886 | 0.1 | | | | | 36 457 | 3.5 |
| 1890 | 885 | 0.1 | | | | | 36 347 | 3.5 |
| 1895 | 1 309 | 0.1 | | | | | 36 594 | 3.5 |
| 1900 | 1 801 | 0.2 | | | | | 38 828 | 3.7 |
| 1901 | 1 846 | 0.2 | | | | | 38 653 | 3.7 |
| 1902 | 1 977 | 0.2 | | | | | 39 062 | 3.7 |
| 1903 | 2 130 | 0.2 | | | | | 38 679 | 3.6 |
| 1904 | 2 201 | 0.2 | | | | | 39 462 | 3.7 |
| 1905 | 2 258 | 0.2 | | | | | 39 793 | 3.7 |
| 1906 | 2 522 | 0.2 | | | | | 40 095 | 3.8 |
| 1907 | 2 794 | 0.3 | | | | | 40 462 | 3.8 |
| 1908 | 2 907 | 0.3 | | | | | 40 873 | 3.8 |
| 1909 | 3 051 | 0.3 | | | | | 41 469 | 3.9 |
| 1910 | 3 250 | 0.3 | | | | | 42 258 | 3.9 |
| 1913 | 4 048 | 0.4 | | | | | 44 864 | 4.1 |
| 1923 | 8 434 | 0.7 | | | | | 54 957 | 4.8 |
| 1924 | 10 029 | 0.9 | | | | | 58 598 | 5.1 |
| 1932 | 18 422 | 1.6 | | | | | 58 870 | 5.1 |
| 1933 | 18 139 | 1.6 | | | | | 58 262 | 5.0 |
| 1934 | 17 346 | 1.5 | | | | | 56 721 | 4.9 |
| 1935 | 16 735 | 1.4 | | | | | 54 268 | 4.7 |
| 1936 | 17 190 | 1.5 | | | | | 55 070 | 4.8 |
| 1937 | 18 070 | 1.6 | | | | | 54 901 | 4.8 |
| 1938 | 18 723 | 1.6 | | | | | 55 113 | 4.8 |
| 1939 | 20 501 | 1.8 | | | | | 59 633 | 5.2 |
| 1940 | 19 002 | 1.7 | | | | | 55 663 | 5.0 |
| 1941 | 15 230 | 1.4 | | | | | 44 866 | 4.1 |
| 1942 | 11 023 | 1.0 | | | | | 30 449 | 2.8 |
| 1943 | 10 040 | 0.9 | | | | | 25 592 | 2.3 |
| 1944 | 8 908 | 0.8 | | | | | 21 386 | 2.0 |
| 1945 | 13 275 | 1.2 | | | | | 32 086 | 2.9 |
| 1946 | 18 550 | 1.6 | | | | | 42 637 | 3.7 |
| 1947 | 24 626 | 2.1 | | | | | 55 485 | 4.8 |
| 1948 | 26 881 | 2.3 | | | | | 60 820 | 5.2 |
| 1949 | 28 488 | 2.4 | | | | | 57 123 | 4.8 |
| 1950 | 31 877 | 2.7 | 19 934 | 1.7 | 51 811 | 4.4 | 61 905 | 5.2 |
| 1951 | 34 622 | 2.9 | 18 288 | 1.5 | 52 910 | 4.5 | 63 420 | 5.4 |
| 1952 | 36 374 | 3.1 | 16 961 | 1.4 | 53 335 | 4.5 | 64 053 | 5.4 |
| 1953 | 36 188 | 3.0 | 17 057 | 1.4 | 53 245 | 4.5 | 63 903 | 5.4 |
| 1954 | 36 565 | 3.1 | 16 689 | 1.4 | 53 254 | 4.5 | 63 865 | 5.4 |
| 1955 | 39 736 | 3.3 | 16 039 | 1.3 | 55 775 | 4.7 | 67 089 | 5.6 |
| 1956 | 42 535 | 3.5 | 16 123 | 1.3 | 58 658 | 4.9 | 70 710 | 5.9 |
| 1957 | 44 624 | 3.7 | 16 431 | 1.4 | 61 055 | 5.1 | 73 610 | 6.1 |
| 1958 | 46 053 | 3.8 | 16 880 | 1.4 | 62 933 | 5.2 | 75 927 | 6.3 |
| 1959 | 44 037 | 3.6 | 16 379 | 1.3 | 60 416 | 4.9 | 73 053 | 6.0 |

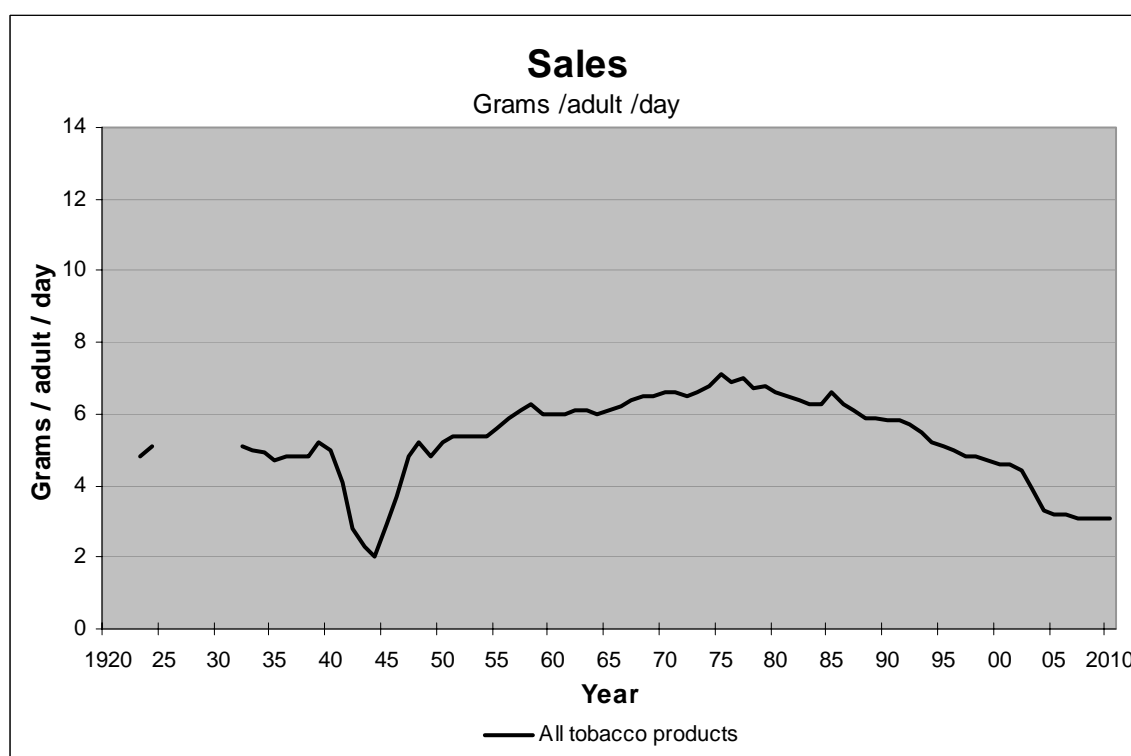
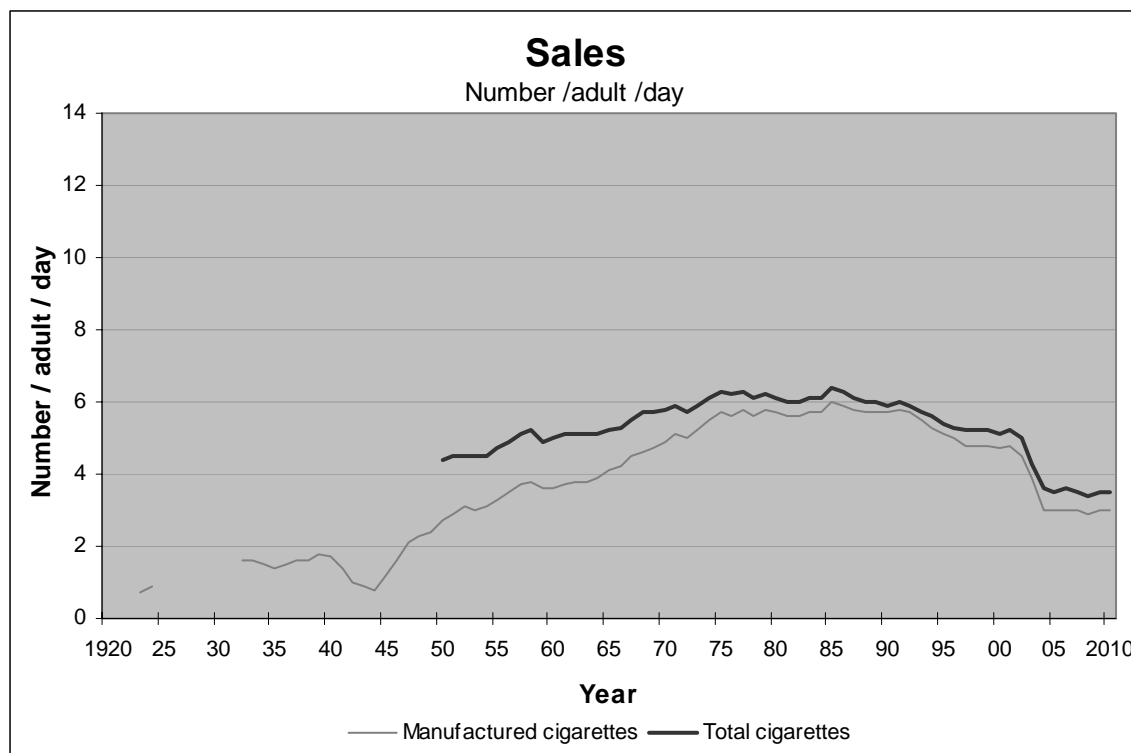
Table 2 (continued)

| 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 |
| 1960 | 44 617 | 3.6 | 16 631 | 1.4 | 61 248 | 5.0 | 73 261 | 6.0 |
| 1961 | 46 046 | 3.7 | 16 648 | 1.3 | 62 694 | 5.1 | 74 635 | 6.0 |
| 1962 | 47 923 | 3.8 | 16 820 | 1.3 | 64 743 | 5.1 | 76 656 | 6.1 |
| 1963 | 49 602 | 3.8 | 16 921 | 1.3 | 66 523 | 5.1 | 78 365 | 6.1 |
| 1964 | 50 401 | 3.9 | 15 906 | 1.2 | 66 307 | 5.1 | 77 990 | 6.0 |
| 1965 | 54 127 | 4.1 | 15 323 | 1.2 | 69 450 | 5.2 | 81 211 | 6.1 |
| 1966 | 56 635 | 4.2 | 14 693 | 1.1 | 71 328 | 5.3 | 83 011 | 6.2 |
| 1967 | 60 377 | 4.5 | 14 321 | 1.1 | 74 698 | 5.5 | 86 335 | 6.4 |
| 1968 | 63 282 | 4.6 | 14 313 | 1.0 | 77 595 | 5.7 | 89 097 | 6.5 |
| 1969 | 65 844 | 4.7 | 13 225 | 0.9 | 79 069 | 5.7 | 90 296 | 6.5 |
| 1970 | 69 650 | 4.9 | 12 311 | 0.9 | 81 961 | 5.8 | 92 907 | 6.6 |
| 1971 | 72 143 | 5.1 | 11 526 | 0.8 | 83 669 | 5.9 | 94 546 | 6.6 |
| 1972 | 72 070 | 5.0 | 10 604 | 0.7 | 82 674 | 5.7 | 92 982 | 6.5 |
| 1973 | 75 379 | 5.2 | 9 867 | 0.7 | 85 246 | 5.9 | 95 342 | 6.6 |
| 1974 | 80 492 | 5.5 | 9 453 | 0.6 | 89 945 | 6.1 | 100 295 | 6.8 |
| 1975 | 84 847 | 5.7 | 8 919 | 0.6 | 93 766 | 6.3 | 104 358 | 7.1 |
| 1976 | 83 872 | 5.6 | 8 018 | 0.5 | 91 890 | 6.2 | 102 291 | 6.9 |
| 1977 | 86 436 | 5.8 | 7 608 | 0.5 | 94 044 | 6.3 | 104 515 | 7.0 |
| 1978 | 84 900 | 5.6 | 7 012 | 0.5 | 91 912 | 6.1 | 101 396 | 6.7 |
| 1979 | 87 909 | 5.8 | 6 684 | 0.4 | 94 593 | 6.2 | 103 229 | 6.8 |
| 1980 | 87 628 | 5.7 | 6 576 | 0.4 | 94 204 | 6.1 | 102 337 | 6.6 |
| 1981 | 87 098 | 5.6 | 6 422 | 0.4 | 93 520 | 6.0 | 100 497 | 6.5 |
| 1982 | 87 941 | 5.6 | 6 363 | 0.4 | 94 304 | 6.0 | 99 911 | 6.4 |
| 1983 | 89 554 | 5.7 | 6 161 | 0.4 | 95 715 | 6.1 | 100 007 | 6.3 |
| 1984 | 91 153 | 5.7 | 5 958 | 0.4 | 97 111 | 6.1 | 100 220 | 6.3 |
| 1985 | 96 209 | 6.0 | 6 033 | 0.4 | 102 242 | 6.4 | 104 987 | 6.6 |
| 1986 | 94 606 | 5.9 | 5 384 | 0.3 | 99 990 | 6.3 | 101 288 | 6.3 |
| 1987 | 94 224 | 5.8 | 5 093 | 0.3 | 99 317 | 6.1 | 99 456 | 6.1 |
| 1988 | 92 999 | 5.7 | 4 822 | 0.3 | 97 821 | 6.0 | 96 936 | 5.9 |
| 1989 | 94 929 | 5.7 | 4 594 | 0.3 | 99 523 | 6.0 | 97 503 | 5.9 |
| 1990 | 95 809 | 5.7 | 2 662 | 0.2 | 98 471 | 5.9 | 97 412 | 5.8 |
| 1991 | 97 100 | 5.8 | 2 886 | 0.2 | 99 986 | 6.0 | 97 624 | 5.8 |
| 1992 | 96 310 | 5.7 | 3 309 | 0.2 | 99 619 | 5.9 | 95 722 | 5.7 |
| 1993 | 93 617 | 5.5 | 4 036 | 0.2 | 97 653 | 5.7 | 92 965 | 5.5 |
| 1994 | 90 113 | 5.3 | 4 946 | 0.3 | 95 059 | 5.6 | 89 818 | 5.2 |
| 1995 | 88 336 | 5.1 | 5 408 | 0.3 | 93 744 | 5.4 | 87 892 | 5.1 |
| 1996 | 86 163 | 5.0 | 6 274 | 0.4 | 92 437 | 5.3 | 86 011 | 5.0 |
| 1997 | 82 983 | 4.8 | 6 934 | 0.4 | 89 917 | 5.2 | 82 979 | 4.8 |
| 1998 | 83 835 | 4.8 | 7 064 | 0.4 | 90 899 | 5.2 | 83 066 | 4.8 |
| 1999 | 83 675 | 4.8 | 7 383 | 0.4 | 91 058 | 5.2 | 82 394 | 4.7 |
| 2000 | 82 514 | 4.7 | 7 343 | 0.4 | 89 857 | 5.1 | 80 594 | 4.6 |
| 2001 | 83 464 | 4.8 | 7 412 | 0.4 | 90 876 | 5.2 | 80 565 | 4.6 |
| 2002 | 80 529 | 4.5 | 7 528 | 0.4 | 88 057 | 5.0 | 78 001 | 4.4 |
| 2003 | 69 649 | 3.9 | 7 834 | 0.4 | 77 483 | 4.3 | 69 402 | 3.9 |
| 2004 | 54 924 | 3.0 | 9 171 | 0.5 | 64 095 | 3.6 | 58 729 | 3.3 |
| 2005 | 54 801 | 3.0 | 9 222 | 0.5 | 64 023 | 3.5 | 58 390 | 3.2 |
| 2006 | 55 772 | 3.0 | 9 432 | 0.5 | 65 204 | 3.6 | 59 074 | 3.2 |
| 2007 | 54 945 | 3.0 | 9 336 | 0.5 | 64 281 | 3.5 | 57 858 | 3.1 |
| 2008 _{/1} | 53 589 | 2.9 | 9 737 | 0.5 | 63 326 | 3.4 | 56 668 | 3.1 |
| 2009 _{/1} | 54 980 | 3.0 | 9 549 | 0.5 | 64 529 | 3.5 | 57 535 | 3.1 |
| 2010 _{/1} | 54 797 | 3.0 | 9 997 | 0.5 | 64 794 | 3.5 | 57 613 | 3.1 |

1 Uses population data for 2007

Source: Manufactured cigarettes and all tobacco products, Tables 1.1 - 1.4. Hand-rolled cigarettes, see *Notes on sources of sales data: Estimates of numbers of hand-rolled cigarette*, p. 52. Population, see *Population, Methods* p. 14.

Figure 2 Sales of (i) manufactured and total¹ cigarettes and (ii) all tobacco products. Average per adult (aged 15 years and over) per day



1 Includes estimated hand-rolled cigarette consumption
Source: Table 2
Table 2 includes data for earlier years (not shown in this figure).

Table 3 Manufactured cigarettes: percentage of total sales as filter cigarettes; percentage of total sales as blond cigarettes; sales-weighted average machine yields per cigarette of tar (SWAT)

| Year | Filter % | Blond % | SWAT mg/cig |
|------|----------|---------|-------------|
| 1950 | | | 35.0 |
| 1958 | 7.5 | | |
| 1959 | 8.7 | | |
| 1960 | 11.5 | | 30.0 |
| 1961 | 14.3 | | |
| 1962 | 17.0 | | |
| 1963 | 19.0 | | |
| 1964 | 21.5 | | |
| 1965 | 24.8 | | |
| 1966 | 28.7 | | |
| 1967 | 31.9 | | |
| 1968 | 33.6 | | |
| 1969 | 35.6 | | |
| 1970 | 38.3 | | 25.0 |
| 1971 | 42.4 | | |
| 1972 | 46.6 | | |
| 1973 | 49.9 | | |
| 1974 | 53.8 | | |
| 1975 | 56.6 | | |
| 1976 | 59.3 | | |
| 1977 | 59.0 | | |
| 1978 | 58.3 | 20.1 | |
| 1979 | 60.5 | 24.5 | |
| 1980 | 61.4 | 30.2 | |
| 1981 | 62.5 | 34.7 | |
| 1982 | 63.8 | 38.4 | |
| 1983 | 65.4 | 42.2 | |
| 1984 | 67.9 | 46.4 | 16.5 |
| 1985 | 70.2 | 50.7 | |
| 1986 | 71.7 | 53.5 | 15.9 |
| 1987 | 73.3 | 56.5 | |
| 1988 | 74.9 | 58.8 | |
| 1989 | 76.3 | 60.8 | |
| 1990 | 78.5 | 63.8 | 13.4 |
| 1991 | 80.5 | 67.6 | 12.8 |
| 1992 | 82.3 | 68.6 | 12.3 |
| 1993 | 83.2 | 70.0 | 11.5 |
| 1994 | 84.2 | 71.2 | 11.3 |
| 1995 | 85.3 | 72.7 | 11.3 |
| 1996 | 86.7 | 74.2 | 11.0 |
| 1997 | 87.5 | 76.1 | 10.2 |
| 1998 | 88.9 | 78.7 | 10.1 |
| 1999 | 90.1 | 80.7 | 10.1 |
| 2000 | 91.0 | 82.5 | 10.1 |
| 2001 | 91.8 | 84.2 | 9.9 |
| 2002 | 92.6 | 85.8 | 8.9 |
| 2004 | 94.4 | 88.1 | |
| 2005 | 94.2 | 89.9 | |

Source: see *Notes on sources of sales data: Plain/Filter cigarette sales*, p. 52, *Dark/Blond cigarette sales*, p. 53 and *Tar and nicotine machine yields of cigarettes*, p. 53.

Table 4M (continued from p. 18, continues on p. 22)
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 | 80+ |
| 79 | 1 | MC R | | 37 | | | | | | | | | | | | | | | | | | | | | |
| 79 | 1 | MCA | | 42 | | | | | | | | | | | | | | | | | | | | | |
| 79 | 1 | A U | | 50 | | | | | | | | | | | | | | | | | | | | | |
| 79 | 4 | U A | | | | | | 63 | | 65 | | 54 | | | 45 | | | 43 | | | 54 | | | | |
| 79 | 4* | UC U | | 44 | | | | | | | | | | | | | | | | | | | | | |
| 79 | 4* | U A | | | | | | 52 | | 49 | | 59 | | | 46 | | | 38 | | | 48 | | | | |
| 79 | 8 | U R | | 40 | | | | | | | | | | | | | | | | | | | | | |
| 79 | 21 | UC * | | | | | | 26 | | | | | | | | | | | | | | | | | |
| 79 | 28 | U U | | | | | | 64 | | | | | | | | | | | | | | | | | |
| 80 | 3 | UC * | | 27 | | | | | | | | | | | | | | | | | | | | | |
| 80 | 3 | U A | | 26 | 46 | 63 | | | | | | | | | | | | | | | 45 | | | | |
| 80 | 6 | UC R | | 41 | | | | | | | | | | | | | | | | | | | | | |
| 80 | 6 | A R | | | | | | 28 | | 53 | | 55 | | 50 | | 46 | | 40 | | 34 | | 30 | | 44 | |
| 80 | 7 | MC U | | 45 | | | | | | | | | | | | | | | | | | | | | |
| 80 | 7 | U U | | 52 | | | | | | | | | | | | | | | | | | | | | |
| 80 | 8 | U R | | 46 | | | | | | | | | | | | | | | | | | | | | |
| 81 | 3 | UC * | | 9 | 24 | 48 | | | | | | | | | | | | | | | 26 | | | | |
| 81 | 3 | U A | | 24 | 44 | 60 | | | | | | | | | | | | | | | 43 | | | | |
| 81 | 4 | U A | | | | | | 71 | | 58 | | 47 | | | 45 | | | 32 | | | 49 | | | | |
| 81 | 9 | UC U | | 49 | | | | | | | | | | | | | | | | | | | | | |
| 81 | 9 | A U | | 54 | | | | | | | | | | | | | | | | | | | | | |
| 81 | 22 | U U | | 36 | | | | | | | | | | | | | | | | | | | | | |
| 82 | 4 | U A | | | | | | 63 | | 61 | | 54 | | | 49 | | | 33 | | | 49 | | | | |
| 83 | 3 | UC * | | 4 | 23 | 41 | 53 | | | | | | | | | | | | | | | 26 | | | |
| 83 | 3 | U A | | 16 | 36 | 47 | 58 | | | | | | | | | | | | | | | 36 | | | |
| 83 | 4 | U A | | | | | | 57 | | 61 | | 54 | | | 44 | | | 33 | | | 51 | | | | |
| 83 | 4* | U A | | 55 | | | | | | | | | | | | | | | | | | | | | |
| 83 | 23 | UC * | | 2 | 9 | 20 | 34 | 45 | | | | | | | | | | | | | | 16 | | | |
| 84 | 3 | UC * | | 5 | 20 | 42 | 60 | | | | | | | | | | | | | | | 27 | | | |
| 84 | 3 | U A | | 10 | 34 | 52 | 66 | | | | | | | | | | | | | | | 36 | | | |
| 85 | 4 | U U | | 50 | | | | | | | | | | | | | | | | | | | | | |
| 86 | 4 | UC R | | | | | | 29 | | 51 | | 52 | | 39 | | | 34 | | | 22 | | | 39 | | |
| 86 | 4 | U A | | | | | | 37 | | 59 | | 60 | | 46 | | | 39 | | | 27 | | | 46 | | |
| 86 | 5 | UC R | | | | | | 40 | | 57 | | 54 | | 48 | | | 42 | | 35 | | 27 | | 22 | | 44 |
| 86 | 14 | UC R | | 46 | | | | | | | | | | | | | | | | | | | | | |
| 86 | 14 | UC A | | 49 | | | | | | | | | | | | | | | | | | | | | |
| 86 | 14 | A A | | 55 | | | | | | | | | | | | | | | | | | | | | |
| 86 | 15 | UC R | | 37 | | | | | | | | | | | | | | | | | | | | | |
| 86 | 15 | UC A | | 38 | | | | | | | | | | | | | | | | | | | | | |
| 86 | 15 | A A | | 45 | | | | | | | | | | | | | | | | | | | | | |
| 87 | 8 | U R | | 43 | | | | | | | | | | | | | | | | | | | | | |
| 87 | 16 | UC R | | | | | | 42 | | 40 | | 33 | | | | | | | 39 | | | | | | |
| 87 | 16 | UC A | | | | | | 46 | | 45 | | 34 | | | | | | | 42 | | | | | | |
| 87 | 16 | A A | | | | | | 49 | | 48 | | 41 | | | | | | | 47 | | | | | | |
| 87 | 29 | UC U | | | | | | 53 | | 52 | | 46 | | | 32 | | | | 43 | | | | | | |
| 87 | 29 | A U | | | | | | 54 | | 54 | | 50 | | | 37 | | | | 47 | | | | | | |

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

| Year | Source | Product | Frequency | Age Groups | | | | | | | | | | | | | | | | | | | All ages | | | | |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|-----|--|----|
| | | | | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | | 75 | 80+ | | |
| 79 | 1 | M | R | 22 | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | 1 | M | A | 29 | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | 1 | A | U | 30 | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | 4 | U | A | | | | | | 44 | 34 | | | 18 | | | 17 | | | 4 | | | 23 | | | | | |
| 79 | 4* | U | C | 24 | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | 4* | U | A | | | | | | 51 | 32 | | | 21 | | | 15 | | | 5 | | | 24 | | | | | |
| 79 | 8 | U | R | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | 21 | U | C | 26 | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | 28 | U | U | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 3 | U | C | 22 | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 3 | U | A | 20 | 43 | 62 | | | | | | | | | | | | | | | | | 42 | | | | |
| 80 | 6 | U | C | 16 | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 6 | A | R | | | | | | 20 | 36 | 25 | 17 | 12 | 10 | 4 | 2 | | | | | | | 16 | | | | |
| 80 | 7 | M | C | 28 | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 7 | U | U | 28 | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 8 | U | R | 16 | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | 3 | U | C | 12 | 33 | 38 | | | | | | | | | | | | | | | | | 29 | | | | |
| 81 | 3 | U | A | 27 | 50 | 56 | | | | | | | | | | | | | | | | | 45 | | | | |
| 81 | 4 | U | A | | | | | | 54 | 46 | | | 27 | | | 16 | | | 8 | | | 29 | | | | | |
| 81 | 9 | U | C | 40 | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | 9 | A | U | 40 | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | 22 | U | U | 41 | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | 4 | U | A | | | | | | 55 | 32 | | | 26 | | | 8 | | | 9 | | | 26 | | | | | |
| 83 | 3 | U | C | 4 | 15 | 42 | 52 | | | | | | | | | | | | | | | | | 25 | | | |
| 83 | 3 | U | A | 14 | 28 | 55 | 60 | | | | | | | | | | | | | | | | | 36 | | | |
| 83 | 4 | U | A | | | | | | 55 | 39 | | | 31 | | | 17 | | | 7 | | | 29 | | | | | |
| 83 | 4* | U | A | 34 | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | 23 | U | C | 1 | 12 | 16 | 35 | 39 | | | | | | | | | | | | | | | | | 18 | | |
| 84 | 3 | U | C | 7 | 23 | 45 | 50 | | | | | | | | | | | | | | | | | 29 | | | |
| 84 | 3 | U | A | 14 | 37 | 61 | 65 | | | | | | | | | | | | | | | | | 42 | | | |
| 85 | 4 | U | U | 25 | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | 4 | U | C | | | | | | 28 | 46 | | | 42 | | | 23 | | | 11 | | | 4 | | | 24 | | |
| 86 | 4 | U | A | | | | | | 38 | 57 | | | 48 | | | 31 | | | 14 | | | 8 | | | 30 | | |
| 86 | 5 | U | C | | | | | | 39 | 44 | 36 | 20 | | | 13 | | | 9 | | | 6 | | | 2 | | | 20 |
| 86 | 14 | U | C | 22 | | | | | | | | | | | | | | | | | | | 15 | | | | |
| 86 | 14 | U | A | 26 | | | | | | | | | | | | | | | | | | | 17 | | | | |
| 86 | 14 | A | A | 28 | | | | | | | | | | | | | | | | | | | 18 | | | | |
| 86 | 15 | U | C | 24 | | | | | | | | | | | | | | | | | | | 17 | | | | |
| 86 | 15 | U | A | 25 | | | | | | | | | | | | | | | | | | | 19 | | | | |
| 86 | 15 | A | A | 25 | | | | | | | | | | | | | | | | | | | 19 | | | | |
| 87 | 8 | U | R | 20 | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | 16 | U | C | | | | | | 20 | 13 | | | 3 | | | | | | | | | 13 | | | | | |
| 87 | 16 | U | A | 25 | | | | | | | | | | | | | | | | | | | 19 | | | | |
| 87 | 16 | A | A | 25 | | | | | | | | | | | | | | | | | | | 19 | | | | |
| 87 | 29 | U | C | | | | | | 49 | 38 | | | 17 | | | 8 | | | | | | | | | 29 | | |
| 87 | 29 | A | U | | | | | | 49 | 38 | | | 17 | | | 8 | | | | | | | | | 29 | | |

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

| Year | Source | Product | Frequency | Age Groups | | | | | | | | | | | | | | | | | All ages | | | | |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|----|----|-----|
| | | | | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | | 65 | 70 | 75 | 80+ |
| 88 | 3 | UC * | | 2 | | 21 | | 42 | | 54 | | | | | | | | | | | | | | | 26 |
| 88 | 3 | U A | | 5 | | 27 | | 51 | | 62 | | | | | | | | | | | | | | | 33 |
| 88 | 8 | U R | | 39 | | | | | | | | | | | | | | | | | | | | | |
| 88 | 27 | U R | | 20 | | | | | 47 | | 46 | | 40 | | | | 31 | | | | 20 | | | | 36 |
| 88 | 29 | TC U | | 51 | | | | | 57 | | | | 40 | | | | 25 | | | | | | | | 42 |
| 88 | 29 | A U | | 53 | | | | | 62 | | | | 43 | | | | 29 | | | | | | | | 45 |
| 88 | 29* | TC U | | 48 | | | | | 53 | | | | 48 | | | | 20 | | | | | | | | 41 |
| 88 | 29* | A U | | 48 | | | | | 54 | | | | 54 | | | | 26 | | | | | | | | 44 |
| 89 | 4 | UC R | | 45 | | | | | | | | | | | | | | | | | | | | | |
| 89 | 4 | U A | | 49 | | | | | | | | | | | | | | | | | | | | | |
| 89 | 27 | U R | | 21 | | | | | 46 | | 46 | | 46 | | | | 29 | | | | 19 | | | | 37 |
| 89 | 29 | TC U | | 49 | | | | | 51 | | | | 42 | | | | 15 | | | | | | | | 36 |
| 89 | 29 | A U | | 49 | | | | | 55 | | | | 46 | | | | 22 | | | | | | | | 41 |
| 89 | 29* | TC U | | 55 | | | | | 61 | | | | 47 | | | | 25 | | | | | | | | 47 |
| 89 | 29* | A U | | 55 | | | | | 63 | | | | 49 | | | | 29 | | | | | | | | 49 |
| 90 | 3 | UC * | | 24 | | | | | | | | | | | | | | | | | | | | | |
| 90 | 3 | U A | | 14 | | 33 | | 57 | | 62 | | | | | | | | | | | | | | | 39 |
| 90 | 8 | U R | | 38 | | | | | | | | | | | | | | | | | | | | | |
| 90 | 15 | UC R | | | | | | | | | 40 | | 25 | | 24 | | | | | | | | | | 31 |
| 90 | 15 | UC A | | | | | | | | | 40 | | 25 | | 25 | | | | | | | | | | 31 |
| 90 | 15 | A A | | | | | | | | | 41 | | 33 | | 31 | | | | | | | | | | 36 |
| 90 | 23 | UC * | | 1 | 2 | 7 | 23 | 34 | | | | | | | | | | | | | | | | | |
| 90 | 27 | U R | | 25 | | | | | 45 | | 49 | | 45 | | | | 34 | | | | 21 | | | | 39 |
| 90 | 29 | MC U | | 61 | | | | | 47 | | | | 45 | | | | 26 | | | | | | | | 44 |
| 90 | 29 | TC U | | 62 | | | | | 48 | | | | 49 | | | | 30 | | | | | | | | 46 |
| 90 | 29 | A U | | 62 | | | | | 52 | | | | 52 | | | | 31 | | | | | | | | 49 |
| 90 | 32 | U * | | | 6 | 11 | | | | | | | | | | | | | | | | | | | |
| 90 | 32 | U R | | 0 | | 10 | | | | | | | | | | | | | | | | | | | |
| 91 | 3 | U * | | 3 | | 8 | | 31 | | 50 | | | | | | | | | | | | | | | 19 |
| 91 | 3 | U A | | 9 | | 20 | | 48 | | 68 | | | | | | | | | | | | | | | 32 |
| 91 | 4 | U R | | | | | | | 59 | | | | 36 | | 44 | | 47 | | 27 | | 22 | | | | 38 |
| 91 | 4 | U A | | | | | | | 69 | | | | 48 | | 51 | | 54 | | 33 | | 26 | | | | 46 |
| 91 | 6 | UC R | | 12 | | | | | 34 | | 50 | | 51 | | 45 | | 39 | | 30 | | 23 | | 17 | | 38 |
| 91 | 27 | U R | | 20 | | | | | 46 | | 53 | | 44 | | | | 32 | | | | 20 | | | | 39 |
| 91 | 29 | MC U | | 57 | | | | | 50 | | | | 43 | | | | 23 | | | | | | | | 42 |
| 91 | 29 | TC U | | 58 | | | | | 58 | | | | 45 | | | | 28 | | | | | | | | 47 |
| 91 | 29 | A U | | 59 | | | | | 59 | | | | 52 | | | | 33 | | | | | | | | 50 |
| 91 | 31 | MC U | | 39 | | | | | | | | | | | | | | | | | | | | | |
| 92 | 3 | U * | | 2 | | 24 | | 37 | | 69 | | | | | | | | | | | | | | | 29 |
| 92 | 3 | U A | | 5 | | 30 | | 43 | | 76 | | | | | | | | | | | | | | | 35 |
| 92 | 4 | U R | | 40 | | | | | | | | | | | | | | | | | | | | | |
| 92 | 4 | U A | | | | | | | 63 | | | | 59 | | 54 | | 53 | | 40 | | 20 | | | | 48 |
| 92 | 27 | U R | | 22 | | | | | 42 | | 48 | | 45 | | | | 32 | | | | 16 | | | | 37 |
| 92 | 29 | MC U | | 52 | | | | | 53 | | | | 38 | | | | 16 | | | | | | | | 40 |
| 92 | 29 | TC U | | 53 | | | | | 56 | | | | 42 | | | | 21 | | | | | | | | 43 |
| 92 | 29 | A U | | 55 | | | | | 58 | | | | 51 | | | | 27 | | | | | | | | 47 |
| 92 | 31 | MC U | | | | | | | 21 | | | | 31 | | 26 | | 23 | | | | | | | | 38 |
| 92 | 34 | UC R | | 40 | | | | | | | | | | | | | | | | | | | | | |
| 92 | 34 | U A | | | | | | | 54 | | | | 56 | | 47 | | 45 | | 29 | | 23 | | | | 44 |

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

| Year | Source | Product | Frequency | Age Groups | | | | | | | | | | | | | | | | | All ages | | | | | |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|----|----|-----|----|
| | | | | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | | 65 | 70 | 75 | 80+ | |
| 88 | 3 | UC * | | 3 | | 19 | | 40 | | 43 | | | | | | | | | | | | | | | 24 | |
| 88 | 3 | U A | | 5 | | 30 | | 47 | | 57 | | | | | | | | | | | | | | | 32 | |
| 88 | 8 | U R | | 19 | | | | | | | | | | | | | | | | | | | | | | |
| 88 | 27 | U R | | 17 | | | | | 35 | | 31 | | 17 | | | | 7 | | | 4 | | | | | | 18 |
| 88 | 29 | TC U | | 48 | | | | | 42 | | | | 21 | | | | 13 | | | | | | | | 31 | |
| 88 | 29 | A U | | 48 | | | | | 42 | | | | 21 | | | | 13 | | | | | | | | 31 | |
| 88 | 29* | TC U | | 47 | | | | | 34 | | | | 23 | | | | 8 | | | | | | | | 27 | |
| 88 | 29* | A U | | 47 | | | | | 34 | | | | 23 | | | | 8 | | | | | | | | 27 | |
| 89 | 4 | UC R | | 30 | | | | | | | | | | | | | | | | | | | | | | |
| 89 | 4 | U A | | 33 | | | | | | | | | | | | | | | | | | | | | | |
| 89 | 27 | U R | | 18 | | | | | 34 | | 36 | | 16 | | | | 9 | | | 5 | | | | | | 19 |
| 89 | 29 | TC U | | 41 | | | | | 36 | | | | 20 | | | | 12 | | | | | | | | 27 | |
| 89 | 29 | A U | | 41 | | | | | 37 | | | | 20 | | | | 13 | | | | | | | | 28 | |
| 89 | 29* | TC U | | 55 | | | | | 40 | | | | 27 | | | | 10 | | | | | | | | 30 | |
| 89 | 29* | A U | | 55 | | | | | 40 | | | | 28 | | | | 10 | | | | | | | | 30 | |
| 90 | 3 | UC * | | 20 | | | | | | | | | | | | | | | | | | | | | | |
| 90 | 3 | U A | | 9 | | 23 | | 54 | | 51 | | | | | | | | | | | | | | | 32 | |
| 90 | 8 | U R | | 19 | | | | | | | | | | | | | | | | | | | | | | |
| 90 | 15 | UC R | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | 15 | UC A | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | 15 | A A | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | 23 | UC * | | 0 | 3 | 13 | 23 | 38 | | | | | | | | | | | | | | | | | | |
| 90 | 27 | U R | | 16 | | | | | 42 | | 35 | | 19 | | | | 9 | | | 5 | | | | | | 21 |
| 90 | 29 | MC U | | 54 | | | | | 41 | | | | 20 | | | | 8 | | | | | | | | 28 | |
| 90 | 29 | TC U | | 56 | | | | | 42 | | | | 21 | | | | 9 | | | | | | | | 30 | |
| 90 | 29 | A U | | 56 | | | | | 42 | | | | 22 | | | | 9 | | | | | | | | 30 | |
| 90 | 32 | U * | | | 4 | 7 | | | | | | | | | | | | | | | | | | | | |
| 90 | 32 | U R | | 2 | | 7 | | | | | | | | | | | | | | | | | | | | |
| 91 | 3 | U * | | 2 | | 10 | | 33 | | 34 | | | | | | | | | | | | | | | 18 | |
| 91 | 3 | U A | | 6 | | 23 | | 49 | | 53 | | | | | | | | | | | | | | | 30 | |
| 91 | 4 | U R | | | | | | | 42 | | 42 | | 29 | | 15 | | 9 | | 3 | | | | | | 26 | |
| 91 | 4 | U A | | | | | | | 62 | | 54 | | 35 | | 26 | | 9 | | 5 | | | | | | 35 | |
| 91 | 6 | UC R | | 7 | | | | | 27 | | 38 | | 35 | | 24 | | 15 | | 9 | | 4 | | 2 | | | 20 |
| 91 | 27 | U R | | 20 | | | | | 38 | | 37 | | 22 | | | | 10 | | | 4 | | | | | | 22 |
| 91 | 29 | MC U | | 56 | | | | | 43 | | | | 24 | | | | 10 | | | | | | | | 31 | |
| 91 | 29 | TC U | | 57 | | | | | 44 | | | | 24 | | | | 11 | | | | | | | | 31 | |
| 91 | 29 | A U | | 57 | | | | | 44 | | | | 24 | | | | 12 | | | | | | | | 31 | |
| 91 | 31 | MC U | | 28 | | | | | | | | | | | | | | | | | | | | | | |
| 92 | 3 | U * | | 6 | | 23 | | 36 | | 49 | | | | | | | | | | | | | | | 26 | |
| 92 | 3 | U A | | 9 | | 31 | | 44 | | 57 | | | | | | | | | | | | | | | 33 | |
| 92 | 4 | U R | | 27 | | | | | | | | | | | | | | | | | | | | | | |
| 92 | 4 | U A | | | | | | | 63 | | 52 | | 39 | | 21 | | 12 | | 8 | | | | | | 33 | |
| 92 | 27 | U R | | 20 | | | | | 34 | | 35 | | 21 | | | | 12 | | | 7 | | | | | | 22 |
| 92 | 29 | MC U | | 46 | | | | | 47 | | | | 27 | | | | 15 | | | | | | | | 32 | |
| 92 | 29 | TC U | | 47 | | | | | 47 | | | | 27 | | | | 15 | | | | | | | | 32 | |
| 92 | 29 | A U | | 47 | | | | | 47 | | | | 27 | | | | 16 | | | | | | | | 33 | |
| 92 | 31 | MC U | | | | | | | 27 | | 34 | | 25 | | 14 | | | | | | | | | | | 28 |
| 92 | 34 | UC R | | 27 | | | | | | | | | | | | | | | | | | | | | | |
| 92 | 34 | U A | | | | | | | 54 | | 44 | | 32 | | 14 | | 8 | | 10 | | | | | | | 29 |

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

| Year | Source | Product | Frequency | Age Groups | | | | | | | | | | | | | | | | | All ages | | |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|----|
| | | | | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | | 65 | 70 |
| 93 | 4 | U | R | 36 | | | | | | | | | | | | | | | | | | | |
| 93 | 4 | U | A | | | | | 55 | | 58 | | 42 | | 28 | | 14 | | | | | | | 40 |
| 93 | 27 | U | R | | | | | 15 | | 48 | | 48 | | 42 | | 32 | | 18 | | | | | 36 |
| 93 | 31 | MC | U | | | | | 21 | | 31 | | 26 | | 22 | | | | | 37 | | | | |
| 93 | 34 | UC | R | 36 | | | | | | | | | | | | | | | | | | | |
| 93 | 34 | U | A | | | | | 55 | | 58 | | 42 | | 28 | | 14 | | | | | | | 40 |
| 93 | 37 | U | * | 2 | 9 | 19 | 34 | | | | | | | | | | | | | | | 15 | |
| 93 | 37 | U | A | 6 | 17 | 29 | 43 | | | | | | | | | | | | | | | 22 | |
| 94 | 3 | UC | * | 28 | | | | | | | | | | | | | | | | | | | |
| 94 | 3 | U | A | 8 | 24 | 52 | 55 | | | | | | | | | | | | | | | 31 | |
| 94 | 27 | U | R | | | | | 16 | | 41 | | 46 | | 40 | | 31 | | 18 | | | | | 35 |
| 94 | 29 | MC | U | | | | | 45 | | 58 | | 34 | | 21 | | | | | 40 | | | | |
| 94 | 29 | TC | U | | | | | 50 | | 60 | | 37 | | 25 | | | | | 44 | | | | |
| 94 | 29 | A | U | | | | | 50 | | 63 | | 42 | | 33 | | | | | 47 | | | | |
| 94 | 30 | MC | U | | | | | 48 | | 59 | | 34 | | 22 | | | | | 41 | | | | |
| 94 | 30 | TC | U | | | | | 51 | | 61 | | 37 | | 26 | | | | | 44 | | | | |
| 94 | 30 | A | U | | | | | 51 | | 63 | | 41 | | 33 | | | | | 48 | | | | |
| 94 | 31 | MC | U | | | | | 21 | | 31 | | 26 | | 22 | | | | | 36 | | | | |
| 94 | 36 | U | R | 11 | 23 | | | | | | | | | | | | | | | | | | |
| 95 | 3 | UC | * | 2 | 17 | 38 | 58 | | | | | | | | | | | | | | | 27 | |
| 95 | 3 | U | A | 5 | 30 | 47 | 62 | | | | | | | | | | | | | | | 35 | |
| 95 | 3* | U | A | 53 | | | | | | | | | | | | | | | | | | | |
| 95 | 4 | U | A | | | | | 55 | | 59 | | 37 | | 33 | | 14 | | | | | | | 41 |
| 95 | 15 | UC | R | | | | | | | 31 | | 21 | | 19 | | | | | | | 24 | | |
| 95 | 15 | UC | A | | | | | | | 32 | | 22 | | 20 | | | | | | | 25 | | |
| 95 | 15 | A | A | | | | | | | 33 | | 28 | | 25 | | | | | | | 29 | | |
| 95 | 27 | U | R | | | | | 20 | | 44 | | 47 | | 42 | | 27 | | 19 | | | | | 36 |
| 95 | 30 | MC | U | | | | | 44 | | 45 | | 40 | | 13 | | | | | 35 | | | | |
| 95 | 30 | TC | U | | | | | 49 | | 50 | | 45 | | 17 | | | | | 40 | | | | |
| 95 | 30 | A | U | | | | | 50 | | 50 | | 47 | | 21 | | | | | 42 | | | | |
| 95 | 31 | MC | U | | | | | 22 | | 31 | | 25 | | 22 | | | | | 34 | | | | |
| 95 | 34 | A | R | | | | | 46 | | 47 | | 45 | | 38 | | 17 | | | | | | | 39 |
| 95 | 34 | U | A | | | | | 52 | | 53 | | 47 | | 39 | | 18 | | | | | | | 42 |
| 96 | 3 | U | * | 4 | 19 | 45 | 52 | | | | | | | | | | | | | | | 27 | |
| 96 | 3 | U | A | 10 | 29 | 52 | 60 | | | | | | | | | | | | | | | 35 | |
| 96 | 3* | U | A | 40 | | | | | | | | | | | | | | | | | | | |
| 96 | 14 | UC | R | | | | | | | 30 | | 21 | | 16 | | | | | | | 23 | | |
| 96 | 14 | UC | A | | | | | | | 33 | | 25 | | 18 | | | | | | | 26 | | |
| 96 | 14 | A | A | | | | | | | 36 | | 29 | | 20 | | | | | | | 29 | | |
| 96 | 16 | UC | R | | | | | | | 38 | | 34 | | 25 | | | | | | | 33 | | |
| 96 | 16 | UC | A | | | | | | | 40 | | 34 | | 28 | | | | | | | 35 | | |
| 96 | 16 | A | A | | | | | | | 44 | | 41 | | 33 | | | | | | | 40 | | |
| 96 | 27 | U | R | | | | | 19 | | 41 | | 40 | | 38 | | 25 | | 16 | | | | | 30 |
| 96 | 31 | MC | U | | | | | 21 | | 31 | | 26 | | 23 | | | | | 33 | | | | |

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

| Year | Source | Product | Frequency | Age Groups | | | | | | | | | | | | | | | | | All ages | | | | | | | |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|----|----|-----|----|--|----|
| | | | | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | | 65 | 70 | 75 | 80+ | | | |
| 93 | 4 | U | R | 23 | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | 4 | U | A | | | | | 40 | | | | 44 | | | 29 | | | 9 | | 5 | | | | 27 | | | | |
| 93 | 27 | U | R | | | | | 19 | | | | 34 | | | 37 | | | 21 | | | 11 | | | 6 | | | | 21 |
| 93 | 31 | MC | U | | | | | 25 | | | | 35 | | | 24 | | | 16 | | | | | | | | 28 | | |
| 93 | 34 | UC | R | 23 | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | 34 | U | A | | | | | 40 | | | | 44 | | | 29 | | | 9 | | 5 | | | | 27 | | | | |
| 93 | 37 | U | * | 1 | 13 | 24 | 31 | | | | | | | | | | | | | | | | 15 | | | | | |
| 93 | 37 | U | A | 5 | 23 | 36 | 41 | | | | | | | | | | | | | | | | 24 | | | | | |
| 94 | 3 | UC | * | 26 | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | 3 | U | A | 8 | 26 | 45 | 49 | | | | | | | | | | | | | | | | 31 | | | | | |
| 94 | 27 | U | R | | | | | 17 | | | | 36 | | | 35 | | | 24 | | | 9 | | | 5 | | | | 21 |
| 94 | 29 | MC | U | | | | | 43 | | | | 44 | | | 27 | | | 11 | | | | | | | | 29 | | |
| 94 | 29 | TC | U | | | | | 46 | | | | 46 | | | 27 | | | 11 | | | | | | | | 31 | | |
| 94 | 29 | A | U | | | | | 46 | | | | 46 | | | 27 | | | 11 | | | | | | | | 31 | | |
| 94 | 30 | MC | U | | | | | 42 | | | | 45 | | | 27 | | | 11 | | | | | | | | 30 | | |
| 94 | 30 | TC | U | | | | | 46 | | | | 47 | | | 27 | | | 11 | | | | | | | | 31 | | |
| 94 | 30 | A | U | | | | | 46 | | | | 47 | | | 27 | | | 11 | | | | | | | | 31 | | |
| 94 | 31 | MC | U | | | | | 26 | | | | 33 | | | 25 | | | 16 | | | | | | | | 28 | | |
| 94 | 36 | U | R | 13 | 25 | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | 3 | UC | * | 3 | 23 | 40 | 45 | | | | | | | | | | | | | | | | 25 | | | | | |
| 95 | 3 | U | A | 9 | 31 | 57 | 55 | | | | | | | | | | | | | | | | 35 | | | | | |
| 95 | 3* | U | A | 51 | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | 4 | U | A | | | | | 62 | | | | 33 | | | 35 | | | 14 | | | 4 | | | | 30 | | | |
| 95 | 15 | UC | R | | | | | | | | | 34 | | | 19 | | | 7 | | | | | | | 22 | | | |
| 95 | 15 | UC | A | | | | | | | | | 36 | | | 20 | | | 8 | | | | | | | 23 | | | |
| 95 | 15 | A | A | | | | | | | | | 37 | | | 20 | | | 9 | | | | | | | 24 | | | |
| 95 | 27 | U | R | | | | | 14 | | | | 31 | | | 34 | | | 24 | | | 12 | | | 4 | | | | 21 |
| 95 | 30 | MC | U | | | | | 51 | | | | 44 | | | 30 | | | 9 | | | | | | | | 31 | | |
| 95 | 30 | TC | U | | | | | 53 | | | | 45 | | | 30 | | | 9 | | | | | | | | 31 | | |
| 95 | 30 | A | U | | | | | 53 | | | | 45 | | | 30 | | | 9 | | | | | | | | 31 | | |
| 95 | 31 | MC | U | | | | | 25 | | | | 34 | | | 25 | | | 16 | | | | | | | | 28 | | |
| 95 | 34 | A | R | | | | | 52 | | | | 35 | | | 33 | | | 19 | | | 8 | | | | 28 | | | |
| 95 | 34 | U | A | | | | | 59 | | | | 39 | | | 37 | | | 21 | | | 10 | | | | 31 | | | |
| 96 | 3 | U | * | 2 | 18 | 40 | 49 | | | | | | | | | | | | | | | | 26 | | | | | |
| 96 | 3 | U | A | 3 | 29 | 49 | 56 | | | | | | | | | | | | | | | | 33 | | | | | |
| 96 | 3* | U | A | 38 | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | 14 | UC | R | | | | | | | | | 24 | | | 12 | | | 6 | | | | | | | 15 | | | |
| 96 | 14 | UC | A | | | | | | | | | 26 | | | 14 | | | 7 | | | | | | | 17 | | | |
| 96 | 14 | A | A | | | | | | | | | 25 | | | 15 | | | 8 | | | | | | | 17 | | | |
| 96 | 16 | UC | R | | | | | | | | | 26 | | | 12 | | | 8 | | | | | | | 17 | | | |
| 96 | 16 | UC | A | | | | | | | | | 27 | | | 14 | | | 9 | | | | | | | 18 | | | |
| 96 | 16 | A | A | | | | | | | | | 27 | | | 15 | | | 9 | | | | | | | 18 | | | |
| 96 | 27 | U | R | | | | | 18 | | | | 29 | | | 30 | | | 24 | | | 10 | | | 4 | | | | 19 |
| 96 | 31 | MC | U | | | | | 24 | | | | 33 | | | 24 | | | 18 | | | | | | | | 27 | | |

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 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | | 65 | 70 | 75 | 80+ |
| 97 | 3 | UC * | | 1 | | 14 | | 32 | | 37 | 49 | | | | | | | | | | | | | | 24 |
| 97 | 3 | U A | | 3 | | 20 | | 37 | | 42 | 54 | | | | | | | | | | | | | | 28 |
| 97 | 4 | U A | | | | | | | | 48 | | 57 | | 46 | | 26 | | | | | 18 | | | | 40 |
| 97 | 5 | U R | | | | | | 32 | | | | 48 | | 43 | | 35 | | 26 | | | | 15 | | | 34 |
| 97 | 27 | U R | | | | | | | 26 | | 38 | | 46 | | 38 | | 28 | | | | | 15 | | | 33 |
| 97 | 31 | MC U | | | | | | | | 20 | | 30 | | 26 | | | 24 | | | | | | | | 32 |
| 97 | 34 | U R | | 1 | | 14 | | 31 | | 43 | | | | | | | | | | | | | | | |
| 97 | 34 | U A | | 3 | | 20 | | 36 | | 48 | | | | | | | | | | | | | | | |
| 98 | 4 | UC R | | | | | 15 | | | 44 | | 51 | | 44 | | 29 | | 12 | | | | | | | 39 |
| 98 | 4 | U A | | | | | 18 | | | 47 | | 53 | | 47 | | 30 | | 12 | | | | | | | 41 |
| 98 | 4* | U A | | | | | | | | | | | | 39 | | | | | | | | | | | |
| 98 | 5 | U R | | | | | | 35 | | | | 48 | | 44 | | 34 | | 28 | | | 11 | | | | 34 |
| 98 | 27 | U R | | | | | | 20 | | 34 | | 41 | | 38 | | 26 | | | | | 15 | | | | 31 |
| 98 | 31 | MC U | | | | | | | | 20 | | 31 | | 26 | | | 23 | | | | | | | | 32 |
| 98 | 36 A * | | | 5 | | 20 | | | | | | | | | | | | | | | | | | | |
| 98 | 36 A R | | | 9 | | 28 | | | | | | | | | | | | | | | | | | | |
| 99 | 4 | U A | | | | | | 46 | | 63 | | 57 | | 49 | | 49 | | 27 | | | 15 | | | | 44 |
| 99 | 4* | U A | | | | | | 32 | | 55 | | 47 | | 50 | | 41 | | 20 | | | 14 | | | | 39 |
| 99 | 5 | U R | | | | | | 38 | | | | 49 | | 42 | | 36 | | 23 | | | 12 | | | | 34 |
| 99 | 30 | U U | | | | | | 53 | | | | 54 | | 44 | | | | 22 | | | | | | | 43 |
| 99 | 31 | MC U | | | | | | | | 19 | | 30 | | 26 | | | 25 | | | | | | | | 31 |
| 99 | 34 | TC R | | 2 | | 13 | | 32 | | 41 | | 43 | | 45 | | 40 | | 28 | | 22 | | 15 | | | 31 |
| 99 | 34 | U A | | 4 | | 18 | | 40 | | 46 | | 52 | | 52 | | 46 | | 33 | | 26 | | 17 | | | 37 |
| 99 | 38 | UC * | | | 9 | 18 | 30 | 31 | 39 | * | | | | | | | | | | | | | | | 30 |
| 99 | 38 | UC * | | | | | 30 | | | | | | | | | | | | | | | | | | |
| 99 | 38 | UC A | | | 18 | 32 | 41 | 44 | 51 | 54 | | | | | | | | | | | | | | | 41 |
| 99 | 38 | UC A | | | | | 41 | | | | | | | | | | | | | | | | | | |
| 00 | 4 | U A | | | | | | | | 56 | | 56 | | 34 | | 39 | | | | | 14 | | | | 39 |
| 00 | 4* | U A | | | | | | 44 | | 58 | | 54 | | 52 | | 46 | | 20 | | | 8 | | | | 41 |
| 00 | 5 | U R | | | | | | 34 | | | | 46 | | 42 | | 34 | | 24 | | | 13 | | | | 33 |
| 00 | 27 | U R | | | | | | 25 | | 39 | | 40 | | 38 | | 26 | | | | | 12 | | | | 31 |
| 00 | 39 | UC * | | | | | | | 42 | 46 | 54 | | | | | | | | | | | | | | |
| 00 | 39 | UC A | | | | | | | 50 | 53 | 60 | | | | | | | | | | | | | | |
| 01 | 4 | U A | | | | | | | | 36 | | 40 | | 46 | | 23 | | | | | 14 | | | | 33 |
| 01 | 4* | U A | | | | | | | 43 | | 55 | | 59 | | 44 | | 45 | | 25 | | 14 | | | | 41 |
| 01 | 5 | U R | | | | | | | 33 | | | 45 | | 42 | | 34 | | 26 | | | 11 | | | | 32 |
| 01 | 39 | UC * | | | | | | | | 43 | | | | | | | | | | | | | | | |
| 01 | 39 | UC A | | | | | | | | 53 | | | | | | | | | | | | | | | |
| 02 | 5 | U R | | | | | | | | | | | | 32 | | | | | | | | | | | |
| 02 | 27 | U R | | | | | | | 37 | | | 43 | | | 33 | | | | | | 10 | | | | 32 |
| 02 | 30 | MCR | | | | | | | 51 | | | 46 | | 33 | | | | | | | 16 | | | | 35 |
| 02 | 30 | TC R | | | | | | | 52 | | | 47 | | 42 | | | | | | | 24 | | | | 40 |
| 02 | 30 | A R | | | | | | | 52 | | | 48 | | 47 | | | | | | | 27 | | | | 43 |
| 02 | 30 | MC U | | | | | | | 54 | | | 51 | | 39 | | | | | | | 17 | | | | 39 |
| 02 | 30 | TC U | | | | | | | 57 | | | 53 | | 48 | | | | | | | 26 | | | | 45 |
| 02 | 30 | A U | | | | | | | 57 | | | 54 | | 55 | | | | | | | 29 | | | | 47 |
| 02 | 33 | U * | | | | | | | 32 | | | | | | | | | | | | | | | | |
| 02 | 33 | U A | | | | | | | 45 | | | | | | | | | | | | | | | | |
| 02 | 35 | U R | | | | | | | | | | | | 31 | | | | | | | | | | | |
| 02 | 35 | U A | | | | | | | 49 | | | 46 | | 41 | | 39 | | 29 | | | 16 | | | | 38 |
| 02 | 36 A * | | | 4 | | 20 | | | | | | | | | | | | | | | | | | | |
| 02 | 36 A R | | | 7 | | 26 | | | | | | | | | | | | | | | | | | | |
| 02 | 39 | UC * | | | | | | | | 40 | 43 | 51 | | | | | | | | | | | | | 42 |
| 02 | 39 | UC A | | | | | | | | 48 | 51 | 58 | | | | | | | | | | | | | 50 |

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

| Year | Source | Product | Frequency | Age Groups | | | | | | | | | | | | | | | | | All ages | |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|
| | | | | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | | 65 |
| 03 | 5 | U | R | 32 | | | | | | | | | | | | | | | | | | |
| 03 | 38 | UC | * | 1 | 4 | 7 | 11 | 21 | 29 | 37 | | | | | | | | | | | | |
| 03 | 38 | UC | * | | | | 21 | 37 | | | | | | | | | | | | | | |
| 03 | 38 | UC | A | | | | 31 | 46 | | | | | | | | | | | | | | |
| 03 | 39 | UC | * | | | | | 37 | 43 | | | | | | | | | | | | 40 | |
| 03 | 39 | UC | A | | | | | 45 | 49 | | | | | | | | | | | | 47 | |
| 04 | 5 | U | R | 28 | | | | | | | | | | | | | | | | | | |
| 04 | 27 | U | R | 28 | | | | | | | | | | | | | | | | | | |
| 04 | 34 | A | R | 3 | | | 36 | | | 39 | 35 | 30 | 18 | 10 | | | | | | 28 | | |
| 04 | 34 | A | A | 7 | | | 43 | | | 46 | 40 | 35 | 21 | 12 | | | | | | 33 | | |
| 05 | 30 | MC | R | | | | | 35 | | | 28 | | | 22 | | | 10 | | | | 23 | |
| 05 | 30 | TC | R | | | | | 43 | | | 37 | | | 36 | | | 15 | | | | 32 | |
| 05 | 30 | A | R | | | | | 43 | | | 39 | | | 39 | | | 19 | | | | 34 | |
| 05 | 30 | MC | U | | | | | 37 | | | 32 | | | 28 | | | 12 | | | | 26 | |
| 05 | 30 | TC | U | | | | | 45 | | | 41 | | | 42 | | | 17 | | | | 35 | |
| 05 | 30 | A | U | | | | | 45 | | | 43 | | | 47 | | | 21 | | | | 38 | |
| 05 | 39 | UC | * | | | | | | | 34 | | | | | | | | | | | | |
| 05 | 39 | UC | A | | | | | | | 41 | | | | | | | | | | | | |
| 06 | 27 | U | R | 30 | | | | | | | | | | | | | | | | | | |
| 06 | 33 | U | * | | | | | 24 | | | | | | | | | | | | | | |
| 06 | 33 | U | A | | | | | 35 | | | | | | | | | | | | | | |
| 06 | 36 | A | * | | 3 | | 13 | | | | | | | | | | | | | | | |
| 06 | 36 | A | R | | 5 | | 17 | | | | | | | | | | | | | | | |
| 07 | 38 | UC | * | | | | | 18 | | | | | | | | | | | | | | |
| 07 | 38 | UC | A | | | | | 29 | | | | | | | | | | | | | | |

Source: see *Notes on sources of survey data*, p. 53
 Product: MC = manufactured cigarettes
 TC = total cigarettes (including hand-rolled)
 UC = cigarettes (type unspecified)
 A = all products

Frequency: A = all smokers (including occasional)
 R = regular or daily smokers
 U = unspecified
 * = refer to *Notes on sources of survey data*, p. 53
 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 ages | | |
|------|--------|---------|-----------|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|-----|
| | | | | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | | 75 | 80+ |
| 03 | 5 | U | R | 22 | | | | | | | | | | | | | | | | | | | | | |
| 03 | 38 | UC | * | 0 | 2 | 6 | 14 | 24 | 31 | 34 | | | | | | | | | | | | | | | |
| 03 | 38 | UC | * | | | | 25 | 34 | | | | | | | | | | | | | | | | | |
| 03 | 38 | UC | A | | | | 36 | 45 | | | | | | | | | | | | | | | | | |
| 03 | 39 | UC | * | | | | | | 38 | 42 | | | | | | | | | | | | | | | 40 |
| 03 | 39 | UC | A | | | | | | 47 | 49 | | | | | | | | | | | | | | | 48 |
| 04 | 5 | U | R | 19 | | | | | | | | | | | | | | | | | | | | | |
| 04 | 27 | U | R | 19 | | | | | | | | | | | | | | | | | | | | | |
| 04 | 34 | A | R | 5 | | | 30 | | | 30 | 30 | 21 | 9 | 6 | | | | | | | | 22 | | | |
| 04 | 34 | A | A | 11 | | | 38 | | | 36 | 35 | 25 | 11 | 7 | | | | | | | | 27 | | | |
| 05 | 30 | MC | R | | | | | | 25 | 29 | 24 | | | | | | | | 7 | 20 | | | | | |
| 05 | 30 | TC | R | | | | | | 33 | 36 | 27 | | | | | | | | 8 | 24 | | | | | |
| 05 | 30 | A | R | | | | | | 33 | 36 | 27 | | | | | | | | 8 | 24 | | | | | |
| 05 | 30 | MC | U | | | | | | 31 | 38 | 27 | | | | | | | | 9 | 24 | | | | | |
| 05 | 30 | TC | U | | | | | | 39 | 45 | 31 | | | | | | | | 10 | 29 | | | | | |
| 05 | 30 | A | U | | | | | | 39 | 45 | 31 | | | | | | | | 10 | 29 | | | | | |
| 05 | 39 | UC | * | | | | | | | 32 | | | | | | | | | | | | | | | |
| 05 | 39 | UC | A | | | | | | | 41 | | | | | | | | | | | | | | | |
| 06 | 27 | U | R | 21 | | | | | | | | | | | | | | | | | | | | | |
| 06 | 33 | U | * | | | | | | 23 | | | | | | | | | | | | | | | | |
| 06 | 33 | U | A | | | | | | 35 | | | | | | | | | | | | | | | | |
| 06 | 36 | A | * | 2 | | | 16 | | | | | | | | | | | | | | | | | | |
| 06 | 36 | A | R | 5 | | | 21 | | | | | | | | | | | | | | | | | | |
| 07 | 38 | UC | * | | | | | | 16 | | | | | | | | | | | | | | | | |
| 07 | 38 | UC | A | | | | | | 31 | | | | | | | | | | | | | | | | |

Source: see *Notes on sources of survey data*, p. 53
 Product: MC = manufactured cigarettes
 TC = total cigarettes (including hand-rolled)
 UC = cigarettes (type unspecified)
 A = all products

Frequency: A = all smokers (including occasional)
 R = regular or daily smokers
 U = unspecified
 * = refer to *Notes on sources of survey data*, p. 53
 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 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | | 65 |
| 53 | 1 | UC | | 11 | | | | | | | | | | | | | | | | | | |
| 56 | 26 | A * | | | | | | | | | 17 | | | 15 | | | 14 | | | | 15 | |
| 60 | 1 | MCE | | 14 | | | | | | | | | | | | | | | | | | |
| 64 | 13 | UC E* | | 16 | | | | | | | | | | | | | | | | | | |
| 64 | 40 | UC E | | 13 | | | | | | | | | | | | | | | | | | |
| 65 | 1 | MCE | | 14 | | | | | | | | | | | | | | | | | | |
| 71 | 17 | UC E* | | 6.5 | 7.8 | 10 | 12 | 13 | | | | | | | | | | | | | | |
| 71 | 19 | A E | | 15 16 18 | | | | | | | | | | | | | | | | | 17 | |
| 74 | 4 | UC E | | 15 | | | | | | | | | | | | | | | | | | |
| 76 | 18 | UC | | 9.3 | | | | | | | | | | | | | | | | | | |
| 77 | 3 | MCE | | 9.9 | | | | | | | | | | | | | | | | | | |
| 77 | 4 | UC E | | 18 | | | | | | | | | | | | | | | | | | |
| 78 | 12 | TC | | 16 17 16 16 15 15 10 | | | | | | | | | | | | | | | | | 17 | |
| 78 | 20 | A E | | 18 | | | | | | | | | | | | | | | | | | |
| 79 | 4 | UC E | | 16 | | | | | | | | | | | | | | | | | | |
| 79 | 21 | UC | | 9.6 | | | | | | | | | | | | | | | | | | |
| 80 | 3 | UC E | | 12 | | | | | | | | | | | | | | | | | | |
| 80 | 6 | UC | | 16 | | | | | | | | | | | | | | | | | | |
| 81 | 3 | UC E | | 12 | | | | | | | | | | | | | | | | | | |
| 81 | 9 | UC E | | 17 | | | | | | | | | | | | | | | | | | |
| 81 | 22 | UC | | 9.5 | | | | | | | | | | | | | | | | | | |
| 82 | 4 | UC E | | 16 | | | | | | | | | | | | | | | | | | |
| 83 | 3 | UC E | | 12 | | | | | | | | | | | | | | | | | | |
| 83 | 4 | UC E | | 14 18 18 17 14 | | | | | | | | | | | | | | | | | 17 | |
| 83 | 4* | UC E | | 16 | | | | | | | | | | | | | | | | | | |
| 83 | 23 | UC | | 6.1 | | | | | | | | | | | | | | | | | | |
| 84 | 3 | UC E | | 12 | | | | | | | | | | | | | | | | | | |
| 86 | 4 | UC | | 18 | | | | | | | | | | | | | | | | | | |
| 86 | 5 | UC | | 17 | | | | | | | | | | | | | | | | | | |
| 86 | 14 | UC | | 20 18 18 | | | | | | | | | | | | | | | | | 19 | |
| 86 | 15 | UC | | 19 20 16 | | | | | | | | | | | | | | | | | 18 | |
| 87 | 16 | UC | | 21 22 17 | | | | | | | | | | | | | | | | | 21 | |
| 87 | 29 | UC E | | 13 19 17 11 | | | | | | | | | | | | | | | | | 15 | |
| 88 | 3 | UC E | | 12 | | | | | | | | | | | | | | | | | | |
| 88 | 27 | UC | | 15 | | | | | | | | | | | | | | | | | | |
| 88 | 29 | TC E | | 12 18 14 15 | | | | | | | | | | | | | | | | | 15 | |
| 89 | 4 | UC E | | 16 | | | | | | | | | | | | | | | | | | |
| 89 | 27 | UC | | 14 | | | | | | | | | | | | | | | | | | |
| 89 | 29 | TC E | | 13 19 21 18 | | | | | | | | | | | | | | | | | 18 | |
| 90 | 3 | UC E | | 14 | | | | | | | | | | | | | | | | | | |
| 90 | 15 | UC | | 21 19 16 | | | | | | | | | | | | | | | | | 19 | |
| 90 | 23 | UC | | 5.0 | | | | | | | | | | | | | | | | | | |
| 90 | 27 | UC | | 15 | | | | | | | | | | | | | | | | | | |
| 90 | 29 | TC E | | 15 16 17 12 | | | | | | | | | | | | | | | | | 15 | |
| 91 | 3 | UC E | | 9.9 | | | | | | | | | | | | | | | | | | |
| 91 | 4 | UC E | | 18 | | | | | | | | | | | | | | | | | | |
| 91 | 6 | A | | 16 | | | | | | | | | | | | | | | | | | |
| 91 | 27 | UC | | 15 | | | | | | | | | | | | | | | | | | |
| 91 | 29 | TC E | | 14 18 17 12 | | | | | | | | | | | | | | | | | 16 | |

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 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | | 60 | 65 | 70 | 75 |
| 53 | 1 | UC | | 4.0 | | | | | | | | | | | | | | | | | | | | |
| 56 | 26 | A * | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 1 | MC E | | 8.3 | | | | | | | | | | | | | | | | | | | | |
| 64 | 13 | UC E* | | | | | | 7.9 | | 9.1 | | 9.4 | | 8.6 | | | | | | 10 | | | | |
| 64 | 40 | UC E | | 7.7 | | | | | | | | | | | | | | | | | | | | |
| 65 | 1 | MC E | | 9.1 | | | | | | | | | | | | | | | | | | | | |
| 71 | 17 | UC E* | | 5.3 | 5.6 | 7.8 | 7.9 | 6.4 | | | | | | | | | | | | | | | | |
| 71 | 19 | A E | | | | | | | | | | | | | | | | | | | | | | |
| 74 | 4 | UC E | | 10 | | | | | | | | | | | | | | | | | | | | |
| 76 | 18 | UC | | 7.1 | | | | | | | | | | | | | | | | | | | | |
| 77 | 3 | MC E | | 7.8 | | | | | | | | | | | | | | | | | | | | |
| 77 | 4 | UC E | | 14 | | | | | | | | | | | | | | | | | | | | |
| 78 | 12 | TC | | | | | | 11 | 11 | 12 | 11 | 11 | 8 | 3 | | | | | 11 | | | | | |
| 78 | 20 | A E | | | | | | | | | | | | | | | | | | | | | | |
| 79 | 4 | UC E | | 11 | | | | | | | | | | | | | | | | | | | | |
| 79 | 21 | UC | | 7.7 | | | | | | | | | | | | | | | | | | | | |
| 80 | 3 | UC E | | 9.6 | | | | | | | | | | | | | | | | | | | | |
| 80 | 6 | UC | | 12 | | | | | | | | | | | | | | | | | | | | |
| 81 | 3 | UC E | | 10 | | | | | | | | | | | | | | | | | | | | |
| 81 | 9 | UC E | | 12 | | | | | | | | | | | | | | | | | | | | |
| 81 | 22 | UC | | 8.0 | | | | | | | | | | | | | | | | | | | | |
| 82 | 4 | UC E | | 12 | | | | | | | | | | | | | | | | | | | | |
| 83 | 3 | UC E | | 9.1 | | | | | | | | | | | | | | | | | | | | |
| 83 | 4 | UC E | | 11 | | | | 11 | 14 | 10 | 11 | | | | | 12 | | | | | | | | |
| 83 | 4* | UC E | | 12 | | | | | | | | | | | | | | | | | | | | |
| 83 | 23 | UC | | 7.6 | | | | | | | | | | | | | | | | | | | | |
| 84 | 3 | UC E | | 9.8 | | | | | | | | | | | | | | | | | | | | |
| 86 | 4 | UC | | 17 | | | | | | | | | | | | | | | | | | | | |
| 86 | 5 | UC | | 13 | | | | | | | | | | | | | | | | | | | | |
| 86 | 14 | UC | | | | | | 15 | 14 | 11 | | | | | 14 | | | | | | | | | |
| 86 | 15 | UC | | | | | | 15 | 15 | 12 | | | | | 14 | | | | | | | | | |
| 87 | 16 | UC | | | | | | 17 | 16 | 8.1 | | | | | 14 | | | | | | | | | |
| 87 | 29 | UC E | | 10 | | | | 13 | 13 | 9.6 | | | | | 12 | | | | | | | | | |
| 88 | 3 | UC E | | 10 | | | | | | | | | | | | | | | | | | | | |
| 88 | 27 | UC | | 12 | | | | | | | | | | | | | | | | | | | | |
| 88 | 29 | TC E | | 12 | | | | 14 | 13 | 15 | | | | | 14 | | | | | | | | | |
| 89 | 4 | UC E | | 14 | | | | | | | | | | | | | | | | | | | | |
| 89 | 27 | UC | | 12 | | | | | | | | | | | | | | | | | | | | |
| 89 | 29 | TC E | | 11 | | | | 15 | 13 | 7.3 | | | | | 12 | | | | | | | | | |
| 90 | 3 | UC E | | 12 | | | | | | | | | | | | | | | | | | | | |
| 90 | 15 | UC | | | | | | | | | | | | | | | | | | | | | | |
| 90 | 23 | UC | | 5.5 | | | | | | | | | | | | | | | | | | | | |
| 90 | 27 | UC | | 12 | | | | | | | | | | | | | | | | | | | | |
| 90 | 29 | TC E | | 13 | | | | 15 | 17 | 7.0 | | | | | 14 | | | | | | | | | |
| 91 | 3 | UC E | | 8.0 | | | | | | | | | | | | | | | | | | | | |
| 91 | 4 | UC E | | 14 | | | | | | | | | | | | | | | | | | | | |
| 91 | 6 | A | | 13 | | | | | | | | | | | | | | | | | | | | |
| 91 | 27 | UC | | 13 | | | | | | | | | | | | | | | | | | | | |
| 91 | 29 | TC E | | 14 | | | | 14 | 13 | 17 | | | | | 14 | | | | | | | | | |

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

| Year | Source | Product | Estimated | Age Groups | | | | | | | | | | | | | | | | | All ages | | | | | | | |
|------|--------|---------|-----------|------------|-----|----|-----|----|----|----|----|----|----|----|----|----|----|----|-----|----|----------|----|----|----|-----|--|--|----|
| | | | | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | | 65 | 70 | 75 | 80+ | | | |
| 92 | 3 | UC | E | 11 | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | 4 | UC | E | 17 | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | 27 | UC | | 16 | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | 29 | TC | E | 14 | | | | 19 | | | 21 | | | 14 | | | | 18 | | | | | | | | | | |
| 92 | 34 | TC | | 15 | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | 27 | UC | | 15 | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | 34 | TC | | 15 | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | 37 | UC | E* | 15 | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | 27 | UC | | 16 | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | 29 | TC | E | 17 | | | | 18 | | | 23 | | | 14 | | | | 18 | | | | | | | | | | |
| 94 | 30 | TC | E | 17 | | | | 19 | | | 23 | | | 15 | | | | 19 | | | | | | | | | | |
| 95 | 3 | UC | E | 9.1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | 3 | UC | | 6.0 | 10 | 11 | | | | | | | | | | | | | | | | | | | | | | |
| 95 | 4 | UC | | 17 | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | 15 | UC | | | | | 16 | | | 21 | | | 14 | | | | | | | 17 | | | | | | | | |
| 95 | 27 | UC | | 16 | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | 30 | TC | E | 12 | | | | 18 | | | 18 | | | 11 | | | | 16 | | | | | | | | | | |
| 95 | 34 | TC | | 16 | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | 3* | UC | E | 13 | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | 14 | UC | | | | | 21 | | | 20 | | | 20 | | | | | | | 21 | | | | | | | | |
| 96 | 16 | UC | | | | | 22 | | | 23 | | | 16 | | | | | | | 21 | | | | | | | | |
| 96 | 27 | UC | | 14 | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | 3 | UC | E | 7.3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | 4 | UC | E | 15 | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | 5 | UC | E* | 16 | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | 27 | UC | | 14 | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | 4 | UC | E* | 13 | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | 4* | UC | E* | 13 | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | 5 | UC | E* | 16 | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | 27 | UC | | | | | 9.6 | | | 13 | | | 15 | | | 16 | | | 9.9 | | | 14 | | | | | | |
| 98 | 36 | UC | | 0.6 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | 4* | UC | E | 14 | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | 5 | UC | E* | 16 | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | 34 | TC | | 15 | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | 34 | TC | E | 8.3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | 34 | A | | 5.2 | | | 8.6 | | | 13 | | | 16 | | | | | | | | | | | | | | | |
| 99 | 38 | UC | | 13 | * | 10 | * | 10 | * | | | | | | | | | | | | 10 | | | | | | | |
| 99 | 38 | UC | E | 10 | | | | | | | | | | | | | | | | | | | | | | | | |
| 00 | 4 | UC | E | 13 | | | | | | | | | | | | | | | | | | | | | | | | |
| 00 | 5 | UC | E* | 16 | | | | | | | | | | | | | | | | | | | | | | | | |
| 00 | 27 | UC | | 14 | | | | | | | | | | | | | | | | | | | | | | | | |
| 00 | 39 | UC | | | | | 11 | | | 12 | | | 13 | | | | | | | | | | | | | | | |
| 01 | 4 | UC | E | 13 | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 5 | UC | E* | 16 | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 39 | UC | | 12 | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | 30 | TC | E | 14 | | | | 16 | | | 18 | | | 16 | | | | 16 | | | | | | | | | | |
| 02 | 39 | UC | | | | | 11 | | | 12 | | | 13 | | | | | | | 11 | | | | | | | | |
| 03 | 38 | UC | E | 9.8 | | | 12 | | | | | | | | | | | | | | | | | | | | | |
| 03 | 39 | UC | | | | | 11 | | | 12 | | | | | | | | | | | | | | 12 | | | | |
| 04 | 34 | A | | 6.4 | | | 8.4 | | | 12 | | | 14 | | | 16 | | | 16 | | | 15 | | | 12 | | | 14 |
| 05 | 30 | MC | E | 11 | | | | 14 | | | 15 | | | 17 | | | | 14 | | | | | | | | | | |
| 05 | 30 | TC | E | 11 | | | | 14 | | | 15 | | | 17 | | | | 14 | | | | | | | | | | |
| 05 | 39 | UC | | 11 | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | 33 | UC | E | 12 | | | | | | | | | | | | | | | | | | | | | | | | |

Source: see *Notes on sources of survey data*, p. 53
 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. 53

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 ages | | | | |
|------|--------|---------|-----------|------------|----|-------|-----|-------|----|-----|----|----|----|----|----|----|----|----|-----|-----|----------|----|----|----|-----|
| | | | | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | | 65 | 70 | 75 | 80+ |
| 92 | 3 | UC | E | 9.9 | | | | | | | | | | | | | | | | | | | | | |
| 92 | 4 | UC | E | 14 | | | | | | | | | | | | | | | | | | | | | |
| 92 | 27 | UC | | 12 | | | | | | | | | | | | | | | | | | | | | |
| 92 | 29 | TC | E | 12 | | | | | 15 | | | | | 12 | | | | | 12 | | 13 | | | | |
| 92 | 34 | TC | | 11 | | | | | | | | | | | | | | | | | | | | | |
| 93 | 27 | UC | | 12 | | | | | | | | | | | | | | | | | | | | | |
| 93 | 34 | TC | | 12 | | | | | | | | | | | | | | | | | | | | | |
| 93 | 37 | UC | E* | 12 | | | | | | | | | | | | | | | | | | | | | |
| 94 | 27 | UC | | 13 | | | | | | | | | | | | | | | | | | | | | |
| 94 | 29 | TC | E | 14 | | | | | 14 | | | | | 16 | | | | | 8.2 | | 14 | | | | |
| 94 | 30 | TC | E | 14 | | | | | 14 | | | | | 18 | | | | | 8.2 | | 14 | | | | |
| 95 | 3 | UC | E | 7.8 | | | | | | | | | | | | | | | | | | | | | |
| 95 | 3 | UC | | 6.2 | | 9.2 | | 11 | | | | | | | | | | | | | | | | | |
| 95 | 4 | UC | | 15 | | | | | | | | | | | | | | | | | | | | | |
| 95 | 15 | UC | | | | | | | 15 | | | | | 13 | | | | | 10 | | 13 | | | | |
| 95 | 27 | UC | | 13 | | | | | | | | | | | | | | | | | | | | | |
| 95 | 30 | TC | E | 12 | | | | | 14 | | | | | 16 | | | | | 17 | | 14 | | | | |
| 95 | 34 | TC | | 12 | | | | | | | | | | | | | | | | | | | | | |
| 96 | 3* | UC | E | 10 | | | | | | | | | | | | | | | | | | | | | |
| 96 | 14 | UC | | | | | | | 14 | | | | | 16 | | | | | 9.5 | | 14 | | | | |
| 96 | 16 | UC | | | | | | | 15 | | | | | 18 | | | | | 18 | | 17 | | | | |
| 96 | 27 | UC | | 13 | | | | | | | | | | | | | | | | | | | | | |
| 97 | 3 | UC | E | 6.4 | | | | | | | | | | | | | | | | | | | | | |
| 97 | 4 | UC | E | 12 | | | | | | | | | | | | | | | | | | | | | |
| 97 | 5 | UC | E* | 14 | | | | | | | | | | | | | | | | | | | | | |
| 97 | 27 | UC | | 12 | | | | | | | | | | | | | | | | | | | | | |
| 98 | 4 | UC | E* | 11 | | | | | | | | | | | | | | | | | | | | | |
| 98 | 4* | UC | E* | 12 | | | | | | | | | | | | | | | | | | | | | |
| 98 | 5 | UC | E* | 13 | | | | | | | | | | | | | | | | | | | | | |
| 98 | 27 | UC | | 8.3 | | | | | 11 | | | | | 13 | | | | | 14 | | 10 | | 13 | | |
| 98 | 36 | UC | | 0.4 | | 1.4 | | | | | | | | | | | | | | | | | | | |
| 99 | 4* | UC | E | 12 | | | | | | | | | | | | | | | | | | | | | |
| 99 | 5 | UC | E* | 13 | | | | | | | | | | | | | | | | | | | | | |
| 99 | 34 | TC | | 13 | | | | | | | | | | | | | | | | | | | | | |
| 99 | 34 | TC | E | 7.6 | | | | | | | | | | | | | | | | | | | | | |
| 99 | 34 | A | | 3.4 | | | 8.0 | | | 11 | | 14 | | | | | | | | | | | | | |
| 99 | 38 | UC | | 6.4 | | * 8.1 | | * 9.5 | | * | | | | | | | | | | 9.2 | | | | | |
| 99 | 38 | UC | E | 8.3 | | | | | | | | | | | | | | | | | | | | | |
| 00 | 4 | UC | E | 11 | | | | | | | | | | | | | | | | | | | | | |
| 00 | 5 | UC | E* | 13 | | | | | | | | | | | | | | | | | | | | | |
| 00 | 27 | UC | | 13 | | | | | | | | | | | | | | | | | | | | | |
| 00 | 39 | UC | | 10 | | | | | | | | | | | | | | | | | | | | | |
| 01 | 4 | UC | E | 13 | | | | | | | | | | | | | | | | | | | | | |
| 01 | 5 | UC | E* | 13 | | | | | | | | | | | | | | | | | | | | | |
| 01 | 39 | UC | | 11 | | | | | | | | | | | | | | | | | | | | | |
| 02 | 30 | TC | E | 13 | | | | | 14 | | | | | 14 | | | | | 21 | | 15 | | | | |
| 02 | 39 | UC | | 9.7 | | | 11 | | 12 | | | | | | | | | | | | 10 | | | | |
| 03 | 38 | UC | E | 9.9 | | | 9.5 | | | | | | | | | | | | | | | | | | |
| 03 | 39 | UC | | 10 | | | 11 | | | | | | | | | | | | | | 11 | | | | |
| 04 | 34 | A | | 3.4 | | | 8.3 | | | 9.3 | | 11 | | 13 | | 12 | | 12 | | 12 | | 11 | | | |
| 05 | 30 | MC | E | 10 | | | | | 11 | | | | | 18 | | | | | 12 | | 13 | | | | |
| 05 | 30 | TC | E | 10 | | | | | 11 | | | | | 18 | | | | | 12 | | 13 | | | | |
| 05 | 39 | UC | | 10 | | | | | | | | | | | | | | | | | | | | | |
| 06 | 33 | UC | E | 11 | | | | | | | | | | | | | | | | | | | | | |

Source: see *Notes on sources of survey data*, p. 53
 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. 53
 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 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+ | |
| 56 | 26 | A* | | | | | | | | | | | 15 | | 13 | | 10 | | | 12 | ** | | | | | |
| 60 | 1 | MC | 7.7 | | | | | | | | | | | | | | | | | | 114%M | | | | | |
| 64 | 13 | UC* | | | | | | | | | | | 10 | | | | | | | | ** | | | | | |
| 64 | 40 | UC | | | | | | | | | | | 6.4 | | | | | | | | ** | | | | | |
| 65 | 1 | MC | 6.0 | | | | | | | | | | | | | | | | | | 83%M | | | | | |
| 71 | 17 | UC* | 1.4 | 2.5 | 4.7 | 6.0 | | | | | | | | | | | | | ** | | | | | | | |
| 71 | 19 | A | | | | | | | | | | | 12 | 13 | 14 | | | | | | 13 | ** | | | | |
| 76 | 18 | UC | 3.1 | | | | | | | | | | | | | | | | | | ** | | | | | |
| 77 | 3 | MC | 2.9 | | | | | | | | | | | | | | | | | | ** | | | | | |
| 78 | 12 | TC | | | | | | | | | | | 9.8 | 10 | 10 | 8.4 | 5.9 | 5.0 | 2.8 | 8.4 | 79%T | | | | | |
| 78 | 20 | A | | | | | | | | | | | 13 | | | | | | | | | | | | | ** |
| 79 | 21 | UC | 2.5 | | | | | | | | | | | | | | | | | | ** | | | | | |
| 80 | 2 | MC | 8.6 | | | | | | | | | | | | | | | | | | -- | | | | | |
| 80 | 3 | UC | 3.2 | | | | | | | | | | | | | | | | | | ** | | | | | |
| 80 | 6 | UC | 6.5 | | | | | | | | | | | | | | | | | | 68%T | | | | | |
| 81 | 3 | UC | 3.2 | | | | | | | | | | | | | | | | | | ** | | | | | |
| 81 | 9 | UC | 8.3 | | | | | | | | | | | | | | | | | | 93%T | | | | | |
| 81 | 22 | UC | 3.4 | | | | | | | | | | | | | | | | | | ** | | | | | |
| 83 | 3 | UC | 3.1 | | | | | | | | | | | | | | | | | | ** | | | | | |
| 83 | 4 | UC* | | | | | | | | | | | 7.8 | 11 | 9.7 | 7.5 | 4.5 | | 95%T | | | | | | | |
| 83 | 4* | UC* | 8.6 | | | | | | | | | | | | | | | | | | 100%T | | | | | |
| 83 | 23 | UC | 0.9 | | | | | | | | | | | | | | | | | | ** | | | | | |
| 84 | 3 | UC | 3.1 | | | | | | | | | | | | | | | | | | ** | | | | | |
| 86 | 4 | UC | 6.9 | | | | | | | | | | | | | | | | | | 87%T | | | | | |
| 86 | 5 | UC | 7.5 | | | | | | | | | | | | | | | | | | 78%T | | | | | |
| 86 | 14 | UC | | | | | | | | | | | 9.1 | 5.1 | 4.7 | | | | | 6.5 | ** | | | | | |
| 86 | 15 | UC | | | | | | | | | | | 6.9 | 7.1 | 5.7 | | | | | 6.7 | ** | | | | | |
| 87 | 16 | UC | | | | | | | | | | | 8.9 | 8.9 | 5.7 | | | | | 8.1 | ** | | | | | |
| 87 | 29 | UC* | | | | | | | | | | | 7.1 | 9.9 | 7.7 | 3.7 | | | 6.6 | 82%T | | | | | | |
| 88 | 3 | UC | 3.1 | | | | | | | | | | | | | | | | | | ** | | | | | |
| 88 | 27 | UC | 5.4 | | | | | | | | | | | | | | | | | | 62%T | | | | | |
| 88 | 29 | TC* | | | | | | | | | | | 6.3 | 10 | 5.6 | 3.9 | | | 6.3 | 87%T | | | | | | |
| 89 | 4 | UC | 7.3 | | | | | | | | | | | | | | | | | | 94%T | | | | | |
| 89 | 27 | UC | 5.3 | | | | | | | | | | | | | | | | | | 62%T | | | | | |
| 89 | 29 | TC* | | | | | | | | | | | 6.7 | 10 | 9.0 | 2.7 | | | 6.5 | 82%T | | | | | | |
| 90 | 3 | UC | 3.3 | | | | | | | | | | | | | | | | | | ** | | | | | |
| 90 | 15 | UC | | | | | | | | | | | 8.3 | 4.6 | 3.8 | | | | | 5.9 | ** | | | | | |
| 90 | 27 | UC | 5.8 | | | | | | | | | | | | | | | | | | 70%T | | | | | |
| 90 | 29 | TC* | | | | | | | | | | | 9.4 | 7.6 | 8.2 | 3.6 | | | 7.1 | 92%T | | | | | | |
| 91 | 3 | UC | 3.2 | | | | | | | | | | | | | | | | | | ** | | | | | |
| 91 | 4 | UC* | 6.7 | | | | | | | | | | | | | | | | | | 84%T | | | | | |
| 91 | 6 | UC* | 6.1 | | | | | | | | | | | | | | | | | | 72%T | | | | | |
| 91 | 27 | UC | 5.9 | | | | | | | | | | | | | | | | | | 72%T | | | | | |
| 91 | 29 | TC* | | | | | | | | | | | 8.0 | 11 | 7.5 | 3.3 | | | 7.4 | 96%T | | | | | | |
| 92 | 3 | UC | 3.7 | | | | | | | | | | | | | | | | | | ** | | | | | |
| 92 | 4 | UC* | 6.9 | | | | | | | | | | | | | | | | | | 89%T | | | | | |
| 92 | 27 | UC | 5.7 | | | | | | | | | | | | | | | | | | 70%T | | | | | |
| 92 | 29 | TC* | | | | | | | | | | | 7.5 | 11 | 8.8 | 3.0 | | | 7.6 | 97%T | | | | | | |
| 92 | 34 | TC | 5.8 | | | | | | | | | | | | | | | | | | 70%T | | | | | |

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

| Year | Source | Product | Age Groups | | | | | | | | | | | | | | | | | All ages | % Total sales | | | | | | | | | | |
|------|--------|---------|------------|-----|-----|-----|----|-----|----|-----|----|-----|-----|----|-----|----|-----|-----|----|----------|---------------|-----|-------|-----|------|-----|--|-----|-------|-----|----|
| | | | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | | | 65 | 70 | 75 | 80+ | | | | | | |
| 93 | 27 | UC | 5.5 | | | | | | | | | | | | | | | | | | 69%T | | | | | | | | | | |
| 93 | 34 | TC | 5.5 | | | | | | | | | | | | | | | | | | 68%T | | | | | | | | | | |
| 93 | 37 | UC* | 2.3 | | | | | | | | | | | | | | | | | | ** | | | | | | | | | | |
| 94 | 27 | UC | 5.5 | | | | | | | | | | | | | | | | | | 72%T | | | | | | | | | | |
| 94 | 29 | TC* | 8.4 | | | | | 11 | | | | | 8.7 | | | | | 3.5 | | 7.9 | 106%T | | | | | | | | | | |
| 94 | 30 | TC* | 9.0 | | | | | 12 | | | | | 8.4 | | | | | 3.9 | | 8.3 | 110%T | | | | | | | | | | |
| 95 | 3 | UC | 2.4 | | | | | | | | | | | | | | | | | | ** | | | | | | | | | | |
| 95 | 3 | UC | | 1.8 | | 4.8 | | 6.9 | | | | | | | | | | | | | | | | ** | | | | | | | |
| 95 | 4 | UC* | 6.7 | | | | | | | | | | | | | | | | | | 94%T | | | | | | | | | | |
| 95 | 15 | UC | | | | | | 5.1 | | | | | 4.3 | | | | | 2.6 | | 4.1 | ** | | | | | | | | | | |
| 95 | 27 | UC | 5.7 | | | | | | | | | | | | | | | | | | 76%T | | | | | | | | | | |
| 95 | 30 | TC* | 5.8 | | | | | 9.1 | | | | | 7.8 | | | | | 2.0 | | 6.2 | 96%T | | | | | | | | | | |
| 95 | 34 | TC | 6.0 | | | | | | | | | | | | | | | | | | 80%T | | | | | | | | | | |
| 96 | 14 | UC | | | | | | 6.5 | | | | | 4.3 | | | | | 3.2 | | 4.8 | ** | | | | | | | | | | |
| 96 | 16 | UC | | | | | | 8.1 | | | | | 7.8 | | | | | 3.9 | | 6.9 | ** | | | | | | | | | | |
| 96 | 27 | UC | 4.2 | | | | | | | | | | | | | | | | | | 62%T | | | | | | | | | | |
| 97 | 3 | UC | 2.0 | | | | | | | | | | | | | | | | | | ** | | | | | | | | | | |
| 97 | 4 | UC* | 6.0 | | | | | | | | | | | | | | | | | | 91%T | | | | | | | | | | |
| 97 | 5 | UC* | 5.6 | | | | | | | | | | | | | | | | | | 82%T | | | | | | | | | | |
| 97 | 27 | UC | 4.5 | | | | | | | | | | | | | | | | | | 68%T | | | | | | | | | | |
| 98 | 4 | UC* | 5.3 | | | | | | | | | | | | | | | | | | 74%T | | | | | | | | | | |
| 98 | 4* | UC* | 5.0 | | | | | | | | | | | | | | | | | | 75%T | | | | | | | | | | |
| 98 | 5 | UC* | 5.6 | | | | | | | | | | | | | | | | | | 82%T | | | | | | | | | | |
| 98 | 27 | UC | | | | | | 2.1 | | | | | 4.5 | | | | | 6.1 | | 5.0 | | 1.4 | | 4.5 | 66%T | | | | | | |
| 98 | 36 | A | | 0.4 | | 2.0 | | | | | | | | | | | | | | | | ** | | | | | | | | | |
| 99 | 4* | UC* | 5.3 | | | | | | | | | | | | | | | | | | 86%T | | | | | | | | | | |
| 99 | 5 | UC* | 5.5 | | | | | | | | | | | | | | | | | | 79%T | | | | | | | | | | |
| 99 | 34 | TC | 5.0 | | | | | | | | | | | | | | | | | | 74%T | | | | | | | | | | |
| 99 | 34 | TC | 1.7 | | | | | | | | | | | | | | | | | | ** | | | | | | | | | | |
| 99 | 34 | A | | 0.1 | 2.8 | | | | | 5.5 | | | | | 5.2 | | | | | | 82%A | | | | | | | | | | |
| 99 | 38 | UC | | 1.1 | * | 3.0 | * | 4.0 | * | | | | | | | | | | | | | 3.1 | ** | | | | | | | | |
| 99 | 38 | UC | | 3.0 | | | | | | | | | | | | | | | | | | | ** | | | | | | | | |
| 00 | 4 | UC* | 4.9 | | | | | | | | | | | | | | | | | | 82%T | | | | | | | | | | |
| 00 | 5 | UC* | 5.4 | | | | | | | | | | | | | | | | | | 79%T | | | | | | | | | | |
| 00 | 27 | UC | 4.3 | | | | | | | | | | | | | | | | | | 67%T | | | | | | | | | | |
| 00 | 39 | UC | | | | | | 4.6 | | | | | 5.6 | | | | | 6.8 | | | ** | | | | | | | | | | |
| 01 | 4 | UC* | 4.2 | | | | | | | | | | | | | | | | | | 78%T | | | | | | | | | | |
| 01 | 5 | UC* | 5.3 | | | | | | | | | | | | | | | | | | 76%T | | | | | | | | | | |
| 01 | 39 | UC | | | | | | 5.0 | | | | | | | | | | | | | | | | | | ** | | | | | |
| 02 | 30 | TC | | | | | | 7.4 | | | | | 7.7 | | | | | 7.5 | | 3.9 | | 6.6 | 114%T | | | | | | | | |
| 02 | 39 | UC | | | | | | 4.3 | | | | | 5.0 | | | | | 6.6 | | | 4.8 | ** | | | | | | | | | |
| 03 | 38 | UC | | | | | | 2.1 | | | | | 4.4 | | | | | | | | | | | | | | | | | | ** |
| 03 | 39 | UC | | | | | | 5.1 | | | | | 5.8 | | | | | | | | | | | | | | | | | 5.5 | ** |
| 04 | 34 | A | 0.4 | | | | * | | | | | 6.4 | | | | | 6.3 | | | | | 5.4 | | 3.2 | | 1.5 | | 4.6 | 114%A | | |
| 05 | 30 | MC | | | | | | 3.8 | | | | | 3.9 | | | | | 3.3 | | 1.8 | | 3.1 | 93%M | | | | | | | | |
| 05 | 30 | TC | | | | | | 4.7 | | | | | 5.4 | | | | | 5.5 | | 2.6 | | 4.5 | 105%T | | | | | | | | |
| 05 | 39 | UC | | | | | | 3.7 | | | | | | | | | | | | | | | | | | ** | | | | | |
| 06 | 33 | U | 2.9 | | | | | | | | | | | | | | | | | | ** | | | | | | | | | | |

Source: *Notes on sources of survey data*, p. 53
 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. 53
 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 ages | % Total sales | | | | |
|------|--------|---------|------------|-----|-----|-----|-----|----|-----|-----|----|-----|----|----|-----|-------|-----|------|------|----------|---------------|----|----|-----|-------|
| | | | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | | | 65 | 70 | 75 | 80+ |
| 93 | 27 | UC | 2.5 | | | | | | | | | | | | | | | | | | 69%T | | | | |
| 93 | 34 | TC | 2.8 | | | | | | | | | | | | | | | | | | 68%T | | | | |
| 93 | 37 | UC* | 1.8 | | | | | | | | | | | | | | | | | | ** | | | | |
| 94 | 27 | UC | 2.7 | | | | | | | | | | | | | | | | | | 72%T | | | | |
| 94 | 29 | TC* | 6.4 | | | 6.5 | | | 4.4 | | | 0.9 | | | 4.2 | 106%T | | | | | | | | | |
| 94 | 30 | TC* | 6.5 | | | 6.6 | | | 4.8 | | | 0.9 | | | 4.3 | 110%T | | | | | | | | | |
| 95 | 3 | UC | 1.9 | | | | | | | | | | | | | | | | | | ** | | | | |
| 95 | 3 | UC | 1.9 | 5.2 | 6.0 | | | | | | | | | | | | | | | | ** | | | | |
| 95 | 4 | UC* | 4.4 | | | | | | | | | | | | | | | | | | 94%T | | | | |
| 95 | 15 | UC | 5.0 | | | 2.4 | | | 0.8 | | | | | | | | 3.0 | ** | | | | | | | |
| 95 | 27 | UC | 2.7 | | | | | | | | | | | | | | | | | | 76%T | | | | |
| 95 | 30 | TC* | 6.6 | | | 6.1 | | | 4.7 | | | 1.5 | | | 4.4 | 96%T | | | | | | | | | |
| 95 | 34 | TC | 3.4 | | | | | | | | | | | | | | | | | | 80%T | | | | |
| 96 | 14 | UC | 3.5 | | | 1.8 | | | 0.5 | | | | | | | | 2.1 | ** | | | | | | | |
| 96 | 16 | UC | 4.0 | | | 2.2 | | | 1.5 | | | | | | | | 2.7 | ** | | | | | | | |
| 96 | 27 | UC | 2.5 | | | | | | | | | | | | | | | | | | 62%T | | | | |
| 97 | 3 | UC | 1.9 | | | | | | | | | | | | | | | | | | ** | | | | |
| 97 | 4 | UC* | 3.7 | | | | | | | | | | | | | | | | | | 91%T | | | | |
| 97 | 5 | UC* | 3.0 | | | | | | | | | | | | | | | | | | 82%T | | | | |
| 97 | 27 | UC | 2.6 | | | | | | | | | | | | | | | | | | 68%T | | | | |
| 98 | 4 | UC* | 2.9 | | | | | | | | | | | | | | | | | | 74%T | | | | |
| 98 | 4* | UC* | 3.3 | | | | | | | | | | | | | | | | | | 75%T | | | | |
| 98 | 5 | UC* | 3.0 | | | | | | | | | | | | | | | | | | 82%T | | | | |
| 98 | 27 | UC | 1.8 | | | 3.6 | | | 4.3 | | | 2.4 | | | 0.5 | | | 2.8 | 66%T | | | | | | |
| 98 | 36 | A | 0.3 | 3.1 | | | | | | | | | | | | | | | | ** | | | | | |
| 99 | 4* | UC* | 3.8 | | | | | | | | | | | | | | | | | | 86%T | | | | |
| 99 | 5 | UC* | 2.9 | | | | | | | | | | | | | | | | | | 79%T | | | | |
| 99 | 34 | TC | 3.4 | | | | | | | | | | | | | | | | | | 74%T | | | | |
| 99 | 34 | TC | 1.8 | | | | | | | | | | | | | | | | | | ** | | | | |
| 99 | 34 | A | 0.2 | 2.8 | | | 4.0 | | | 3.3 | | | | | | | | 82%A | | | | | | | |
| 99 | 38 | UC | 0.5 | * | 2.6 | * | 3.9 | * | | | | | | | | | | | 3.0 | ** | | | | | |
| 99 | 38 | UC | 2.7 | | | | | | | | | | | | | | | | | | ** | | | | |
| 00 | 4 | UC* | 3.7 | | | | | | | | | | | | | | | | | | 82%T | | | | |
| 00 | 5 | UC* | 2.8 | | | | | | | | | | | | | | | | | | 79%T | | | | |
| 00 | 27 | UC | 2.7 | | | | | | | | | | | | | | | | | | 67%T | | | | |
| 00 | 39 | UC | 4.0 | | | | | | | | | | | | | | | | | | ** | | | | |
| 01 | 4 | UC* | 4.0 | | | | | | | | | | | | | | | | | | 78%T | | | | |
| 01 | 5 | UC* | 2.7 | | | | | | | | | | | | | | | | | | 76%T | | | | |
| 01 | 39 | UC | 4.3 | | | | | | | | | | | | | | | | | | ** | | | | |
| 02 | 30 | TC | 6.4 | | | 6.7 | | | 5.6 | | | 2.6 | | | 5.0 | 114%T | | | | | | | | | |
| 02 | 39 | UC | 3.8 | | | 4.6 | | | 6.6 | | | | | | | | 4.3 | ** | | | | | | | |
| 03 | 38 | UC | 2.5 | | | 3.2 | | | | | | | | | | | | | | | ** | | | | |
| 03 | 39 | UC | 4.9 | | | 5.6 | | | | | | | | | | | | | | 5.2 | ** | | | | |
| 04 | 34 | A | 0.4 | | | * | | | 4.1 | | | 4.4 | | | 3.1 | | | 1.3 | | | 0.8 | | | 2.9 | 114%A |
| 05 | 30 | MC | 2.6 | | | 3.2 | | | 4.3 | | | 0.9 | | | 2.6 | 93%M | | | | | | | | | |
| 05 | 30 | TC | 3.3 | | | 4.1 | | | 4.8 | | | 1.0 | | | 3.1 | 105%T | | | | | | | | | |
| 05 | 39 | UC | 3.3 | | | | | | | | | | | | | | | | | | ** | | | | |
| 06 | 33 | U | 2.5 | | | | | | | | | | | | | | | | | | ** | | | | |

Source: *Notes on sources of survey data*, p. 53
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. 53
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 surveys¹ by age; with percentage total sales (continues on p. 40)

| 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 | | |
| 60 | 1 | MC | 6.8 | | | | | | | | | | | | | | | | | | 114%M |
| 65 | 1 | MC | 7.3 | | | | | | | | | | | | | | | | | | 83%M |
| 78 | 12 | TC | 12 13 13 11 7.5 6.4 3.6 | | | | | | | | | | | | | | | | | 11 | 79%T |
| 80 | 2 | MC | 8.6 | | | | | | | | | | | | | | | | | | -- |
| 80 | 6 | UC | 9.6 | | | | | | | | | | | | | | | | | | 68%T |
| 81 | 9 | UC | 8.9 | | | | | | | | | | | | | | | | | | 93%T |
| 83 | 4 | UC* | 8.2 12 10 7.9 4.7 | | | | | | | | | | | | | | | | | | 95%T |
| 83 | 4* | UC* | 8.5 | | | | | | | | | | | | | | | | | | 100%T |
| 86 | 4 | UC | 8.0 | | | | | | | | | | | | | | | | | | 87%T |
| 86 | 5 | UC | 9.6 | | | | | | | | | | | | | | | | | | 78%T |
| 87 | 29 | UC* | 8.7 12 9.4 4.5 | | | | | | | | | | | | | | | | | 8.0 | 82%T |
| 88 | 27 | UC | 8.8 | | | | | | | | | | | | | | | | | | 62%T |
| 88 | 29 | TC* | 7.2 12 6.4 4.4 | | | | | | | | | | | | | | | | | 7.2 | 87%T |
| 89 | 4 | UC | 7.8 | | | | | | | | | | | | | | | | | | 94%T |
| 89 | 27 | UC | 8.6 | | | | | | | | | | | | | | | | | | 62%T |
| 89 | 29 | TC* | 8.1 12 11 3.2 | | | | | | | | | | | | | | | | | 7.9 | 82%T |
| 90 | 27 | UC | 8.3 | | | | | | | | | | | | | | | | | | 70%T |
| 90 | 29 | TC* | 10 8.2 8.9 4.0 | | | | | | | | | | | | | | | | | 7.7 | 92%T |
| 91 | 4 | UC* | 8.0 | | | | | | | | | | | | | | | | | | 84%T |
| 91 | 6 | UC* | 8.5 | | | | | | | | | | | | | | | | | | 72%T |
| 91 | 27 | UC | 8.2 | | | | | | | | | | | | | | | | | | 72%T |
| 91 | 29 | TC* | 8.4 11 7.9 3.4 | | | | | | | | | | | | | | | | | 7.7 | 96%T |
| 92 | 4 | UC* | 7.8 | | | | | | | | | | | | | | | | | | 89%T |
| 92 | 27 | UC | 8.2 | | | | | | | | | | | | | | | | | | 70%T |
| 92 | 29 | TC* | 7.7 11 9.0 3.1 | | | | | | | | | | | | | | | | | 7.8 | 97%T |
| 92 | 34 | TC | 8.3 | | | | | | | | | | | | | | | | | | 70%T |
| 93 | 27 | UC | 8.0 | | | | | | | | | | | | | | | | | | 69%T |
| 93 | 34 | TC | 8.1 | | | | | | | | | | | | | | | | | | 68%T |
| 94 | 27 | UC | 7.5 | | | | | | | | | | | | | | | | | | 72%T |
| 94 | 29 | TC* | 7.9 10 8.2 3.3 | | | | | | | | | | | | | | | | | 7.5 | 106%T |
| 94 | 30 | TC* | 8.1 11 7.6 3.5 | | | | | | | | | | | | | | | | | 7.5 | 110%T |
| 95 | 4 | UC* | 7.1 | | | | | | | | | | | | | | | | | | 94%T |
| 95 | 27 | UC | 7.4 | | | | | | | | | | | | | | | | | | 76%T |
| 95 | 30 | TC* | 6.1 9.5 8.2 2.0 | | | | | | | | | | | | | | | | | 6.5 | 96%T |
| 95 | 34 | TC | 7.5 | | | | | | | | | | | | | | | | | | 80%T |
| 96 | 27 | UC | 6.8 | | | | | | | | | | | | | | | | | | 62%T |
| 97 | 4 | UC* | 6.6 | | | | | | | | | | | | | | | | | | 91%T |
| 97 | 5 | UC* | 6.8 | | | | | | | | | | | | | | | | | | 82%T |
| 97 | 27 | UC | 6.6 | | | | | | | | | | | | | | | | | | 68%T |
| 98 | 4 | UC* | 7.2 | | | | | | | | | | | | | | | | | | 74%T |
| 98 | 4* | UC* | 6.7 | | | | | | | | | | | | | | | | | | 75%T |
| 98 | 5 | UC* | 6.8 | | | | | | | | | | | | | | | | | | 82%T |
| 98 | 27 | UC | 3.2 6.7 9.3 7.5 2.2 | | | | | | | | | | | | | | | | | 6.9 | 66%T |
| 99 | 4* | UC* | 6.1 | | | | | | | | | | | | | | | | | | 86%T |
| 99 | 5 | UC* | 7.0 | | | | | | | | | | | | | | | | | | 79%T |
| 99 | 34 | TC | 6.9 | | | | | | | | | | | | | | | | | | 74%T |
| 99 | 34 | A | 0.2 3.4 6.7 6.3 | | | | | | | | | | | | | | | | | | 82%A |

Table 7F Number of cigarettes smoked per person per day, sales-adjusted, females: selected surveys¹ by age; with percentage total sales (continues on p. 41)

| 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 | | |
| 60 | 1 | MC | 0.8 | | | | | | | | | | | | | | | | | | 114%M |
| 65 | 1 | MC | 1.1 | | | | | | | | | | | | | | | | | | 83%M |
| 78 | 12 | TC | 5.7 2.9 2.4 1.8 1.0 0.3 0.0 | | | | | | | | | | | | | | | | | 1.9 | 79%T |
| 80 | 2 | MC | 3.2 | | | | | | | | | | | | | | | | | | -- |
| 80 | 6 | UC | 2.8 | | | | | | | | | | | | | | | | | | 68%T |
| 81 | 9 | UC | 5.2 | | | | | | | | | | | | | | | | | | 93%T |
| 83 | 4 | UC* | 6.2 4.5 4.5 1.8 0.7 | | | | | | | | | | | | | | | | | | 95%T |
| 83 | 4* | UC* | 4.1 | | | | | | | | | | | | | | | | | | 100%T |
| 86 | 4 | UC | 4.7 | | | | | | | | | | | | | | | | | | 87%T |
| 86 | 5 | UC | 3.4 | | | | | | | | | | | | | | | | | | 78%T |
| 87 | 29 | UC* | 6.3 6.0 2.7 1.0 | | | | | | | | | | | | | | | | | 4.2 | 82%T |
| 88 | 27 | UC | 3.4 | | | | | | | | | | | | | | | | | | 62%T |
| 88 | 29 | TC* | 6.6 6.9 3.1 2.2 | | | | | | | | | | | | | | | | | 4.8 | 87%T |
| 89 | 4 | UC | 4.4 | | | | | | | | | | | | | | | | | | 94%T |
| 89 | 27 | UC | 3.6 | | | | | | | | | | | | | | | | | | 62%T |
| 89 | 29 | TC* | 5.4 6.4 3.0 1.0 | | | | | | | | | | | | | | | | | 4.0 | 82%T |
| 90 | 27 | UC | 3.6 | | | | | | | | | | | | | | | | | | 70%T |
| 90 | 29 | TC* | 7.6 7.1 3.9 0.7 | | | | | | | | | | | | | | | | | 4.4 | 92%T |
| 91 | 4 | UC* | 4.3 | | | | | | | | | | | | | | | | | | 84%T |
| 91 | 6 | UC* | 3.6 | | | | | | | | | | | | | | | | | | 72%T |
| 91 | 27 | UC | 3.8 | | | | | | | | | | | | | | | | | | 72%T |
| 91 | 29 | TC* | 8.0 6.3 3.1 1.9 | | | | | | | | | | | | | | | | | 4.5 | 96%T |
| 92 | 4 | UC* | 4.3 | | | | | | | | | | | | | | | | | | 89%T |
| 92 | 27 | UC | 3.8 | | | | | | | | | | | | | | | | | | 70%T |
| 92 | 29 | TC* | 5.9 7.1 3.4 1.8 | | | | | | | | | | | | | | | | | 4.4 | 97%T |
| 92 | 34 | TC | 4.4 | | | | | | | | | | | | | | | | | | 70%T |
| 93 | 27 | UC | 3.7 | | | | | | | | | | | | | | | | | | 69%T |
| 93 | 34 | TC | 4.1 | | | | | | | | | | | | | | | | | | 68%T |
| 94 | 27 | UC | 3.7 | | | | | | | | | | | | | | | | | | 72%T |
| 94 | 29 | TC* | 6.0 6.2 4.2 0.8 | | | | | | | | | | | | | | | | | 3.9 | 106%T |
| 94 | 30 | TC* | 5.9 6.0 4.3 0.8 | | | | | | | | | | | | | | | | | 3.9 | 110%T |
| 95 | 4 | UC* | 4.7 | | | | | | | | | | | | | | | | | | 94%T |
| 95 | 27 | UC | 3.6 | | | | | | | | | | | | | | | | | | 76%T |
| 95 | 30 | TC* | 6.9 6.4 4.9 1.6 | | | | | | | | | | | | | | | | | 4.6 | 96%T |
| 95 | 34 | TC | 4.3 | | | | | | | | | | | | | | | | | | 80%T |
| 96 | 27 | UC | 4.0 | | | | | | | | | | | | | | | | | | 62%T |
| 97 | 4 | UC* | 4.0 | | | | | | | | | | | | | | | | | | 91%T |
| 97 | 5 | UC* | 3.6 | | | | | | | | | | | | | | | | | | 82%T |
| 97 | 27 | UC | 3.8 | | | | | | | | | | | | | | | | | | 68%T |
| 98 | 4 | UC* | 4.0 | | | | | | | | | | | | | | | | | | 74%T |
| 98 | 4* | UC* | 4.4 | | | | | | | | | | | | | | | | | | 75%T |
| 98 | 5 | UC* | 3.7 | | | | | | | | | | | | | | | | | | 82%T |
| 98 | 27 | UC | 2.7 5.4 6.5 3.6 0.7 | | | | | | | | | | | | | | | | | 4.2 | 66%T |
| 99 | 4* | UC* | 4.4 | | | | | | | | | | | | | | | | | | 86%T |
| 99 | 5 | UC* | 3.7 | | | | | | | | | | | | | | | | | | 79%T |
| 99 | 34 | TC | 4.6 | | | | | | | | | | | | | | | | | | 74%T |
| 99 | 34 | A | 0.2 | 3.4 | | 4.9 | | 4.1 | | | | | | 82%A | | | | | | | |

Table 7M (continued from p. 38)
Number of cigarettes smoked per person per day, sales-adjusted, males

| Year | Source | Product | Age Groups | | | | | | | | | | | | | | | | | All ages | % Total sales | |
|------|--------|---------|------------|----|----|----|----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|----|----------|---------------|-------|
| | | | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | | | 65 |
| 00 | 4 | UC* | 6.0 | | | | | | | | | | | | | | | | | | 82%T | |
| 00 | 5 | UC* | 6.9 | | | | | | | | | | | | | | | | | | 79%T | |
| 00 | 27 | UC | 6.4 | | | | | | | | | | | | | | | | | | 67%T | |
| 01 | 4 | UC* | 5.4 | | | | | | | | | | | | | | | | | | 78%T | |
| 01 | 5 | UC* | 6.9 | | | | | | | | | | | | | | | | | | 76%T | |
| 02 | 30 | TC | 6.5 | | | | | 6.8 | | | | 6.6 | | | | 3.4 | | | | 5.7 | 114%T | |
| 04 | 34 | A | 0.4 | | * | | | | 5.6 | | 5.5 | | 4.7 | | 2.8 | | 1.3 | | | | 4.0 | 114%A |
| 05 | 30 | MC | 4.0 | | | | | 4.2 | | | | 3.6 | | | | 1.9 | | | | 3.4 | 93%M | |
| 05 | 30 | TC | 4.5 | | | | | 5.1 | | | | 5.2 | | | | 2.4 | | | | 4.3 | 105%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: *Notes on sources of survey data*, p. 53
 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. 53
 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 (continued from p. 39)
Number of cigarettes smoked per person per day, sales-adjusted, females

| Year | Source | Product | Age Groups | | | | | | | | | | | | | | | | | All ages | % Total sales |
|------|--------|---------|------------|----|----|----|----|-----|----|-----|----|-----|-----|-----|----|-----|----|-----|----|----------|---------------|
| | | | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | | |
| 00 | 4 | UC* | 4.5 | | | | | | | | | | | | | | | | | | 82%T |
| 00 | 5 | UC* | 3.5 | | | | | | | | | | | | | | | | | | 79%T |
| 00 | 27 | UC | 4.0 | | | | | | | | | | | | | | | | | | 67%T |
| 01 | 4 | UC* | 5.2 | | | | | | | | | | | | | | | | | | 78%T |
| 01 | 5 | UC* | 3.6 | | | | | | | | | | | | | | | | | | 76%T |
| 02 | 30 | TC | 5.6 | | | | | 5.8 | | | | | 4.9 | | | | | 2.3 | | 4.4 | 114%T |
| 04 | 34 | A | 0.3 | | * | | | | | 3.6 | | 3.8 | | 2.7 | | 1.2 | | 0.7 | | 2.6 | 114%A |
| 05 | 30 | MC | 2.8 | | | | | 3.4 | | | | | 4.6 | | | | | 1.0 | | 2.8 | 93%M |
| 05 | 30 | TC | 3.2 | | | | | 3.9 | | | | | 4.5 | | | | | 1.0 | | 2.9 | 105%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: *Notes on sources of survey data*, p. 53
 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. 53
 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 Estimated¹ prevalence of smoking and estimated¹ 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 ² | Product ³ | Prevalence ⁴ | | | | | | Number of cigarettes | | | | | | | |
|------|---------------------|----------------------|-------------------------|----|-------------------------------|----|---------------------------|----|-------------------------|---------------------|---|---|-------|-------|-------|--|
| | | | Manufactured cigarettes | | Total cigarettes ⁵ | | All products ⁶ | | Unadjusted ⁷ | | | Sales-adjusted ⁸ | | | | |
| | | | M | F | M | F | M | F | Number/ person/day | Total sales % | Manufactured cigarettes number/ person/day | Total cigarettes ⁹ number/ person/day | | | | |
| | | | | | | M | F | | M | F | M | F | M | F | | |
| 1953 | 1 | A | | | | | 70 | 15 | | | | | | | | |
| | 1 | A | | | | | 76 | 30 | | | | | | | | |
| 1960 | 1 | MC+U | 57 | 11 | | | 73 | 26 | 7.7 | 0.9 | 114 | 6.8 | 0.8 | | | |
| | 8 | U | | | | | 49 | | | | | | | | | |
| 1963 | 10 | UC+A | | | 57 | 15 | 64 | 15 | | | | | | (8.8 | 1.8) | |
| 1965 | 1 | MC+U | 43 | 10 | | | 72 | 32 | 6.0 | 0.9 | 83 | 7.3 | 1.1 | | | |
| | 8 | U | | | | | 50 | | | | | | | | | |
| 1967 | 1 | MC | 45 | 10 | | | | | | | | (7.8 | 1.4) | | | |
| | 1 | MC+U | 62 | 26 | | | 70 | 27 | | | | | | | | |
| 1970 | 8 | U | | | | | 53 | | | | | | | | | |
| 1974 | 4 | U | | | | | 58 | 28 | | | | | | | | |
| 1976 | 1 | MC | 45 | 20 | | | | | | | | (8.4 | 3.0) | | | |
| | 1 | MC+A | 56 | 33 | | | 62 | 33 | | | | | | | | |
| | 4 | UC+U | | | 56 | 30 | 60 | 27 | | | | | | (8.7 | 3.8) | |
| | 4* | UC+U | | | 52 | 27 | 56 | 28 | | | | | | (8.9 | 3.6) | |
| | 8 | U | | | | | 47 | | | | | | | | | |
| 1977 | 11 | UC | | | 62 | 40 | | | | | | | | (8.2 | 4.2) | |
| | 4 | U | | | | | 41 | 19 | | | | | | | | |
| | 4 | UC+U | | | 47 | 30 | 52 | 28 | | | | | | (8.4 | 4.3) | |
| 1978 | 8 | U | | | | | 51 | 29 | | | | | | | | |
| | 12 | MC+TC+A | 45 | 17 | 52 | 18 | 56 | 18 | 7.9 | 1.8 | 79 | (8.8 | 2.6) | 10.0 | 2.3 | |
| 1979 | 1 | MC | 37 | 22 | | | | | | | | (7.9 | 3.8) | | | |
| | 1 | MC+A | 42 | 29 | | | 50 | 30 | | | | | | | | |
| | 4 | U | | | | | 53 | 23 | | | | | | | | |
| | 4* | UC+U | | | 43 | 25 | 49 | 24 | | | | | | (8.6 | 3.9) | |
| 1980 | 8 | U | | | | | 40 | | | | | | | | | |
| | 2 | MC | | | | | | | 8.6 | 3.2 | -- | 8.6 | 3.2 | | | |
| | 6 | UC+A | | | 41 | 16 | 45 | 16 | 6.5 | 1.9 | 68 | (7.7 | 3.8) | 9.6 | 2.8 | |
| | 7 | MC+U | 45 | 28 | | | 52 | 28 | | | | | | | | |
| 1981 | 8 | U | | | | | 46 | 16 | | | | | | | | |
| | 4 | U | | | | | 50 | 29 | | | | | | | | |
| 1982 | 9 | UC+A | | | 46 | 33 | 51 | 33 | 7.5 | 3.8 | 93 | | | 8.1 | 4.1 | |
| | 4 | U | | | | | 52 | 25 | | | | | | | | |

Table 8 (continued)

| Year | Source ² | Product ³ | Prevalence ⁴ | | | | Number of cigarettes | | | | | | | | |
|------|---------------------|----------------------|-------------------------|----|-------------------------------|----|---------------------------|-----|-------------------------|---------------------|---|---|-------|-------|-------|
| | | | Manufactured cigarettes | | Total cigarettes ⁵ | | All products ⁶ | | Unadjusted ⁷ | | | Sales-adjusted ⁸ | | | |
| | | | M | F | M | F | M | F | Number/ person/day | Total sales % | Manufactured cigarettes number/ person/day | Total cigarettes ⁹ number/ person/day | M | F | M |
| 1983 | 4 | UC+U | | | | | 51 | 29 | 8.4 | 3.3 | 95 | | | 8.8 | 3.5 |
| | 4* | UC+U | | | | | 54 | 34 | 8.3 | 4.0 | 100 | | | 8.3 | 4.0 |
| 1985 | 4 | U | | | | | 50 | 25 | | | | | | | |
| 1986 | 4 | UC+U | | | | | 39 | 23 | 6.9 | 4.1 | 87 | | | 8.0 | 4.7 |
| | 5 | UC | | | | | 43 | 21 | 7.3 | 2.6 | 78 | | | 9.4 | 3.3 |
| 1987 | 8 | U | | | | | 43 | 20 | | | | | | | |
| | 29 | UC+A | | | | | 45 | 26 | 7.1 | 3.0 | 82 | | | 8.7 | 3.7 |
| 1988 | 8 | U | | | | | 39 | 19 | | | | | | | |
| | 27 | UC+U | | | | | 35 | 17 | 5.4 | 2.1 | 62 | | | 8.8 | 3.4 |
| | 29 | TC+A | | | | | 43 | 29 | 6.6 | 3.9 | 87 | | | 7.6 | 4.5 |
| | 29* | TC+A | | | | | 42 | 25 | | | | | | (8.2 | 3.9) |
| 1989 | 4 | UC+U | | | | | 45 | 30 | 7.3 | 4.2 | 94 | | | 7.8 | 4.4 |
| | 27 | UC+U | | | | | | | 5.3 | 2.2 | 62 | | | 8.6 | 3.6 |
| | 29 | TC+A | | | | | 39 | 25 | 7.1 | 3.0 | 82 | | | 8.6 | 3.7 |
| | 29* | TC+A | | | | | 46 | 30 | | | | | | (8.1 | 4.1) |
| 1990 | 8 | U | | | | | 38 | 19 | | | | | | | |
| | 27 | UC+U | | | | | 38 | 19 | 5.8 | 2.5 | 70 | | | 8.3 | 3.6 |
| | 29 | MC+TC+A | 43 | 28 | | | 46 | 29 | 7.0 | 4.0 | 92 | (7.7 | 3.9) | 7.6 | 4.3 |
| 1991 | 4 | UC+U | | | | | 39 | 23 | 6.6 | 3.5 | 84 | | | 7.9 | 4.2 |
| | 4 | U | | | | | 47 | 31 | | | | | | | |
| | 6 | UC | | | | | 38 | 19 | 6.1 | 2.6 | 72 | | | 8.5 | 3.6 |
| | 27 | UC+U | | | | | 38 | 20 | 5.9 | 2.8 | 72 | | | 8.2 | 3.8 |
| | 29 | MC+TC+A | 42 | 30 | | | 47 | 30 | 7.3 | 4.2 | 96 | (7.4 | 4.2) | 7.6 | 4.4 |
| 31 | MC | 38 | 28 | | | | | | | | (7.4 | 4.3) | | | |
| 1992 | 4 | UC+U | | | | | 40 | 27 | 6.8 | 3.7 | 89 | | | 7.7 | 4.2 |
| | 4 | U | | | | | 48 | 32 | | | | | | | |
| | 27 | UC+U | | | | | 36 | 20 | 5.7 | 2.6 | 70 | | | 8.2 | 3.8 |
| | 29 | MC+TC+A | 39 | 31 | | | 42 | 32 | 7.5 | 4.1 | 97 | (7.0 | 4.5) | 7.7 | 4.3 |
| | 31 | MC | 24 | 22 | | | | | | | | (6.7 | 4.7) | | |
| 34 | TC+UC+U | | | | | 39 | 25 | 5.6 | 2.8 | 70 | | | 8.0 | 3.9 | |
| 1993 | 4 | U | | | | | 36 | 24 | | | | | | | |
| | 4 | U | | | | | 36 | 22 | | | | | | | |
| | 27 | UC+U | | | | | 36 | 20 | 5.5 | 2.5 | 69 | | | 8.0 | 3.7 |
| | 31 | MC | 24 | 22 | | | | | | | | (6.4 | 4.6) | | |
| 34 | TC+UC+U | | | | | 35 | 21 | 5.4 | 2.5 | 68 | | | 7.9 | 3.7 | |

Table 8 (continued/2)

| Year | Source ² | Product ³ | Prevalence ⁴ | | | | | | Number of cigarettes | | | | | | | | |
|------|---------------------|----------------------|-------------------------|----|-------------------------------|----|---------------------------|----|-------------------------|---------------------|---|-----------------------------|---|------|--|-----|---------|
| | | | Manufactured cigarettes | | Total cigarettes ⁵ | | All products ⁶ | | Unadjusted ⁷ | | | Sales-adjusted ⁸ | | | | | |
| | | | M | F | M | F | M | F | Number/ person/day | Total sales % | Manufactured cigarettes number/ person/day | | Total cigarettes ⁹ number/ person/day | | | | |
| | | | | | | M | F | | M | F | M | F | M | F | | | |
| 1994 | 27 | UC+U | | | | | 34 | 20 | 5.5 | 2.7 | 72 | | | | | 7.5 | 3.7 |
| | 29 | MC+TC+A | 39 | 29 | 43 | 30 | 47 | 30 | 7.8 | 4.1 | 106 | (| 6.7 | 3.9) | | 7.4 | 3.9 |
| | 30 | MC+IC+A | 40 | 29 | 43 | 30 | 47 | 30 | 8.2 | 4.2 | 110 | (| 6.7 | 3.9) | | 7.4 | 3.8 |
| | 31 | MC | 24 | 22 | | | | | | | | (| 6.2 | 4.4) | | | |
| 1995 | 4 | UC+U | | | | | 39 | 27 | 6.4 | 3.9 | 94 | | | | | 6.8 | 4.2 |
| | 27 | UC+U | | | | | 35 | 19 | 5.7 | 2.7 | 76 | | | | | 7.4 | 3.6 |
| | 30 | MC+IC+A | 35 | 30 | 39 | 31 | 41 | 31 | 6.2 | 4.3 | 96 | (| 6.1 | 4.2) | | 6.5 | 4.5 |
| | 31 | MC | 24 | 22 | | | | | | | | (| 6.0 | 4.3) | | | |
| | 34 | TC+A | | | | | 39 | 27 | 5.7 | 3.1 | 80 | | | | | 7.2 | 3.8 |
| | 34 | U | | | | | 42 | 30 | | | | | | | | | |
| 1996 | 27 | UC+U | | | | | 31 | 18 | 4.2 | 2.5 | 62 | | | | | 6.8 | 4.0 |
| | 31 | MC | 24 | 23 | | | | | | | | (| 5.7 | 4.3) | | | |
| 1997 | 4 | UC+U | | | | | 39 | 30 | 5.9 | 3.6 | 91 | | | | | 6.5 | 4.0 |
| | 5 | UC+U | | | | | 34 | 22 | 5.6 | 3.0 | 82 | | | | | 6.8 | 3.6 |
| | 27 | UC+U | | | | | 33 | 19 | 4.5 | 2.6 | 68 | | | | | 6.6 | 3.8 |
| | 31 | MC | 25 | 22 | | | | | | | | (| 5.6 | 4.0) | | | |
| 1998 | 4 | UC+U | | | 36 | 23 | 37 | 24 | 5.1 | 2.7 | 74 | | | | | 6.9 | 3.7 |
| | 4* | UC+U | | | | | 37 | 25 | 4.8 | 3.1 | 75 | | | | | 6.5 | 4.1 |
| | 5 | UC+U | | | | | 34 | 22 | 5.6 | 3.0 | 82 | | | | | 6.8 | 3.7 |
| | 27 | UC+U | | | | | 31 | 19 | 4.5 | 2.5 | 66 | | | | | 6.8 | 3.8 |
| | 31 | MC | 25 | 22 | | | | | | | | (| 5.6 | 4.1) | | | |
| 1999 | 4 | U | | | | | 45 | 31 | | | | | | | | | |
| | 4* | UC+U | | | | | 39 | 31 | 5.3 | 3.8 | 86 | | | | | 6.1 | 4.4 |
| | 5 | UC+U | | | | | 34 | 22 | 5.5 | 2.9 | 79 | | | | | 7.0 | 3.7 |
| | 30 | U | | | | | 42 | 34 | | | | | | | | | |
| | 31 | MC | 25 | 23 | | | | | | | | (| 5.6 | 4.1) | | | |
| | 34 | TC+U | | | 32 | 23 | 37 | 28 | 4.8 | 3.0 | 74 | | | | | 6.5 | 4.1 |
| 2000 | 4 | A | | | | | | | 4.8 | 3.1 | 82 | | | | | 5.8 | 3.7 /10 |
| | 4 | UC+U | | | | | 39 | 33 | 4.8 | 3.6 | 82 | | | | | 5.9 | 4.4 |
| | 4* | U | | | | | 42 | 31 | | | | | | | | | |
| | 5 | UC+U | | | | | 33 | 21 | 5.4 | 2.8 | 79 | | | | | 6.9 | 3.5 |
| | 27 | UC+U | | | | | 30 | 19 | 4.3 | 2.7 | 67 | | | | | 6.4 | 4.0 |
| 2001 | 4 | UC+U | | | | | 33 | 30 | 4.1 | 3.9 | 78 | | | | | 5.3 | 5.1 |
| | 4* | U | | | | | 42 | 26 | | | | | | | | | |
| | 5 | UC+U | | | | | 32 | 21 | 5.3 | 2.7 | 76 | | | | | 6.9 | 3.6 |

Table 8 (continued/3)

| Year | Source ² | Product ³ | Prevalence ⁴ | | | | | | Number of cigarettes | | | | | | | |
|------|---------------------|----------------------|-------------------------|----|-------------------------------|----|---------------------------|----|-------------------------|-----|---------------|---|-----------------------------|---|---------|--|
| | | | Manufactured cigarettes | | Total cigarettes ⁵ | | All products ⁶ | | Unadjusted ⁷ | | | | Sales-adjusted ⁸ | | | |
| | | | M | F | M | F | M | F | Number/person/day | | Total sales % | Manufactured cigarettes number/person/day | | Total cigarettes ⁹ number/person/day | | |
| | | | | | | M | F | M | F | | M | F | M | F | | |
| 2002 | 5 | U | | | | | 32 | 21 | | | | | | | | |
| | 27 | U | | | | | 32 | 21 | | | | | | | | |
| | 30 | MC+TC+A | 34 | 32 | 40 | 33 | 42 | 33 | 6.5 | 4.9 | 114 | (5.3 | 3.9) | 5.7 | 4.3 | |
| | 30 | <i>MC+TC+A</i> | 38 | 34 | 44 | 36 | 47 | 36 | | | | | | | | |
| | 35 | U | | | | | 30 | 23 | | | | | | | | |
| | 35 | U | | | | | 37 | 27 | | | | | | | | |
| 2003 | 5 | U | | | | | 32 | 22 | | | | | | | | |
| 2004 | 5 | U | | | | | 28 | 19 | | | | | | | | |
| | 27 | U | | | | | 28 | 19 | | | | | | | | |
| | 34 | A | | | | | 27 | 19 | 4.6 | 2.9 | 114 | | | 4.0 | 2.6 /10 | |
| | 34 | A | | | | | 32 | 24 | | | | | | | | |
| 2005 | 30 | MC | 22 | 19 | | | | | 3.1 | 2.6 | 93 | 3.3 | 2.8 | | | |
| | 30 | TC+A | | | 31 | 23 | 34 | 23 | 4.4 | 3.0 | 105 | | | 4.2 | 2.9 | |
| | 30 | <i>MC+TC+A</i> | 25 | 24 | 34 | 28 | 37 | 28 | | | | | | | | |
| 2006 | 27 | U | | | | | 30 | 21 | | | | | | | | |

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. 53. Method: see *Summary of adult smoking*, Methods p. 13.

2 See *Notes on sources of survey data*, p. 53

3 Product: MC = manufactured cigarettes, TC = total cigarettes (including hand-rolled), UC = cigarettes (type unspecified), A = all 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 All tobacco products, grams/person/day

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

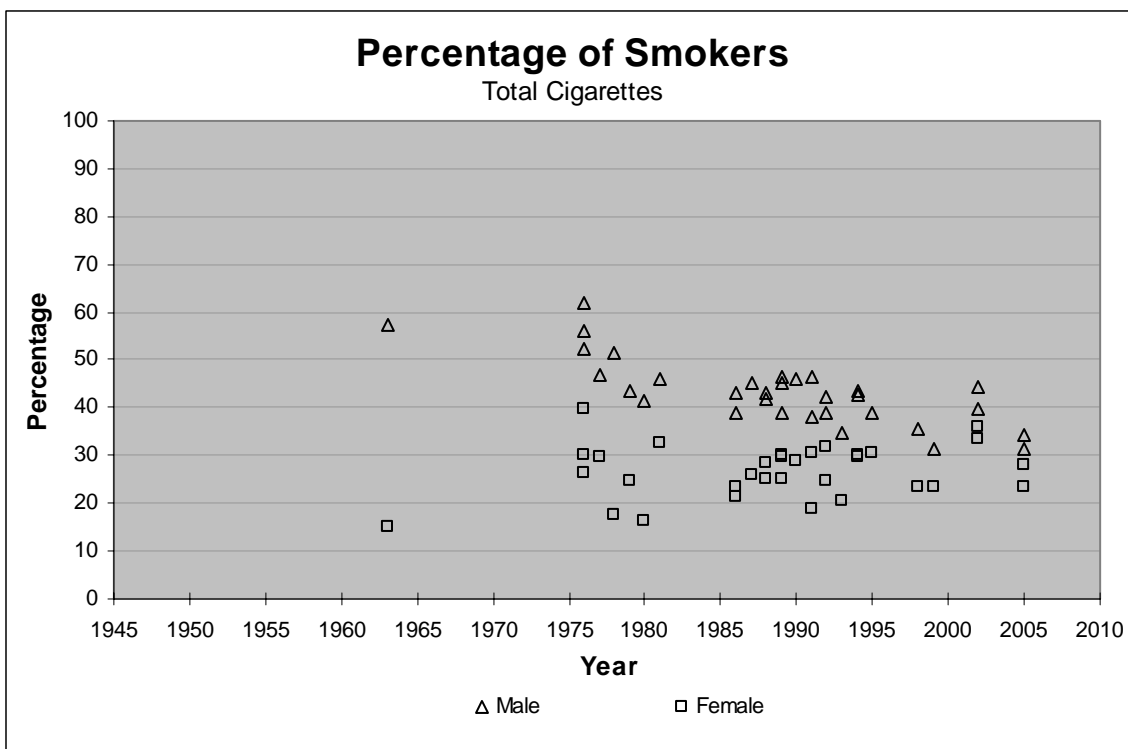
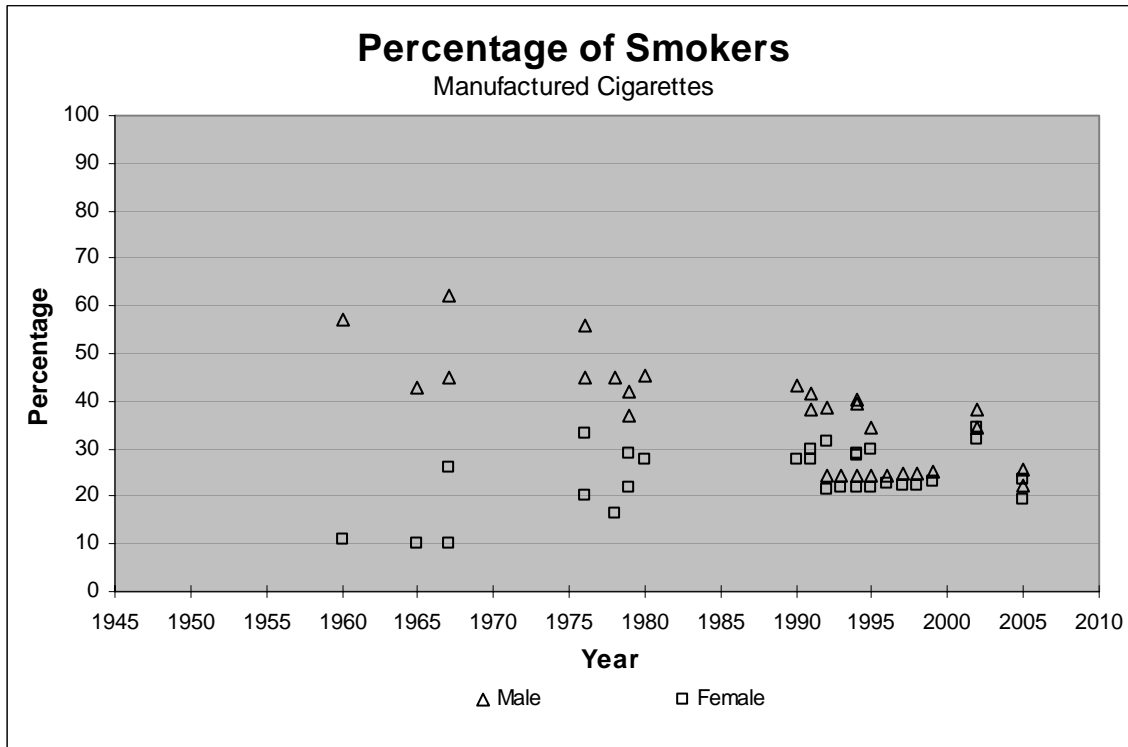
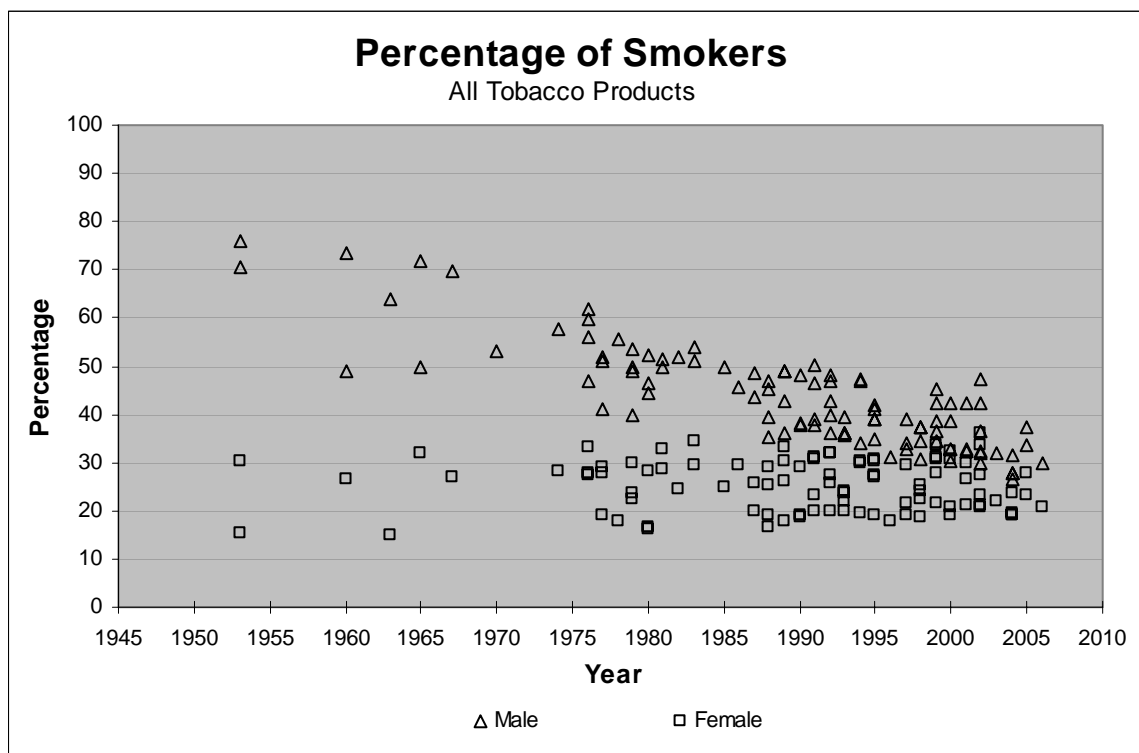
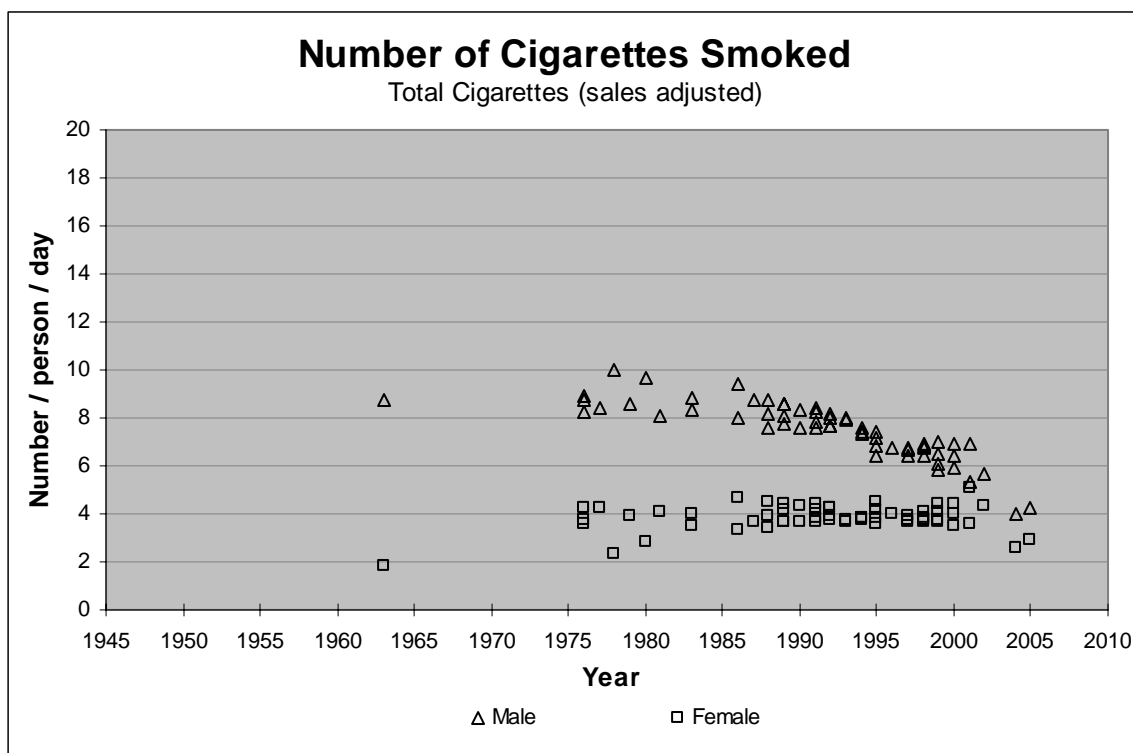
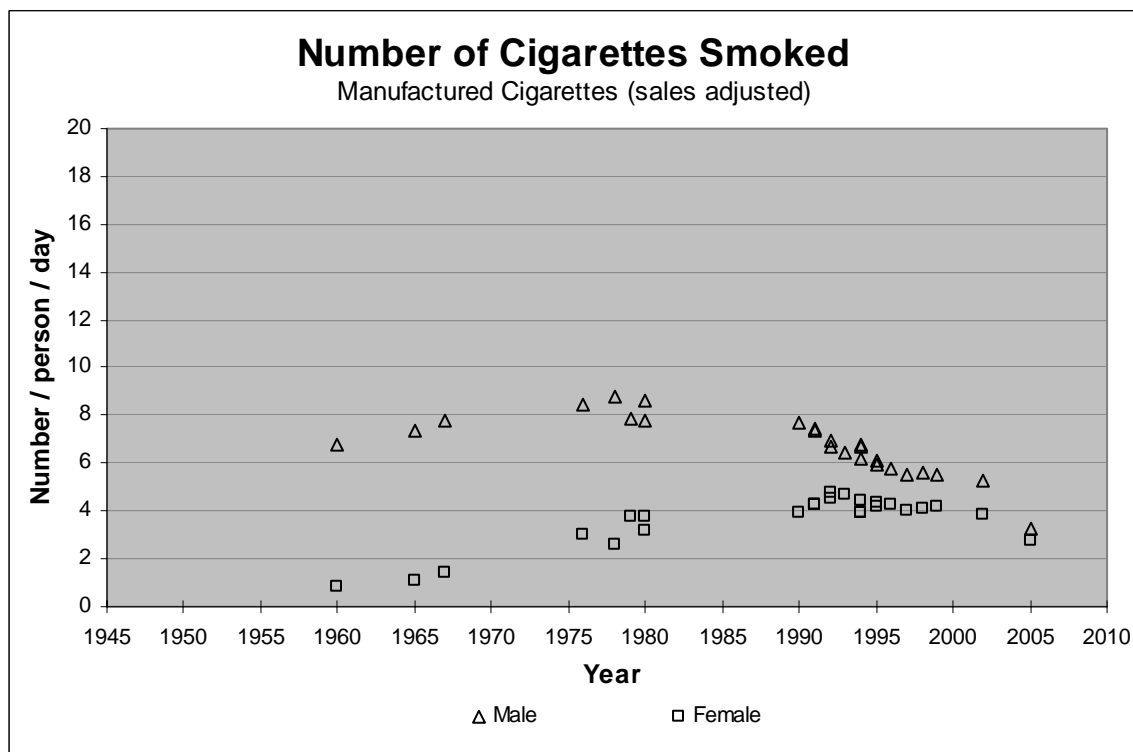


Figure 3 (continued)



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

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



Source: Table 8

Notes

Notes on sources of sales data

The data presented in the tables and figures were obtained from several sources, details of which are given below, together with estimations and related assumptions. Full citations of the sources are given on p. 65 under *References*. Acronyms used for organisations providing the data and French administrative regions are explained under *Abbreviations and acronyms* on p. 64.

Sales data before 1960

Société nationale d'exploitation industrielle des tabacs et allumettes (SEITA) (1961)
In this period SEITA had the monopoly on tobacco manufacture and distribution in France (see notes on SEITA in *Abbreviations and acronyms* on p. 64).

Data (shown in Tables 1.1 and 1.2) are for all France (rather than continental France). Data are not available for 1914-1922 and 1925-1931. Cigarillos are included in the cigarette sales data until 1924.

Data for cigarettes, cigars and cigarillos were given as numbers of pieces (to the nearest million). They have been converted to tonnes using the factors 1 cigarette/cigarillo (1861-1924) or 1 cigarettes (1932-1959) = 1.2 g, 1 cigar = 4 g, and 1 cigarillo (when data are given separately) = 1.6 g. These factors are equivalent to those used in RP6 (Lee (1975)) which had been provided by SEITA.

Smoking tobacco is known as "scaferlatis". The tobacco was used in hand-rolled cigarettes and in pipes. Chewing tobacco ("chique") was available in the form of "rôles" or "carottes".

For 1932 onwards there are some differences between the values shown and those in the previous edition of this report, which used data from RP6 (Lee (1975)). The data shown in RP6 were also based on reports from SEITA. The differences are possibly due to the conversion to imperial measures in RP6 and subsequent re-conversion to tonnes for the previous edition. We therefore now use the SEITA values directly.

Sales data for 1960-1989

SEITA, provided by Padioleau (1985, 1990)

In this period SEITA had the monopoly on tobacco manufacture in France (see notes on SEITA in *Abbreviations and acronyms* on p. 64).

The data shown in table 1.3 are for continental France.

The values shown have been calculated as the sum of imports, ordinary sales in France and special sales to organisations such as the army and old people's homes ("vente restreinte"). These special sales stopped in 1987 (Hill (1990)).

The values are from the same source as was used in Hill and Laplanche (2003) except that that report used data for all France rather than for continental France for 1960 and 1961.

In some years data are available from SEITA both for continental France and for all France, for example:

| Product | Year | All France | Continental France |
|--|------|------------|--------------------|
| Cigarettes (millions) | 1957 | 44 626 | 42 652 |
| | 1960 | 46 546 | 44 617 |
| | 1965 | 57 774 | 54 127 |
| Cigars (millions) | 1957 | 169 | 167 |
| | 1960 | 245 | 242 |
| | 1965 | 422 | 406 |
| Cigarillos (millions) | 1957 | 331 | 329 |
| | 1960 | 326 | 325 |
| | 1965 | 396 | 393 |
| Smoking tobacco (tonnes) | 1957 | 17 840 | 17 774 |
| | 1960 | 18 137 | 18 057 |
| | 1965 | 16 733 | 16 636 |
| Snuff and chewing tobacco (tonnes) | 1957 | 1 128 | 1 126 |
| | 1960 | 987 | 985 |
| | 1965 | 817 | 816 |

Data for cigarettes, cigars and cigarillos were given as numbers of pieces (to the nearest million). They have been converted to tonnes using the factors 1 cigar = 4 g, 1 cigarillo = 1.6 g (as given in RP6); 1 cigarette = 1.18 g in 1960, reducing to 0.91 in 1989 and, for cigars and cigarillos given together (1980-1989), 3.662 g per item (as in Hill and Laplanche (2003)).

There are some differences between the values shown and those in the previous edition of this report, which used data from RP6 for the years 1960-1973. As mentioned above, differences are possibly due to conversions between imperial and metric measures. In addition, we have revised the factor used for converting numbers of cigarettes to tonnes (1.2 g per cigarette was used in the previous edition).

Sales data for 1990 onwards

1990-2003: Hill and Laplanche (2003)

2004-2010: Observatoire français des drogues et des toxicomanies (2009a, 2009b, 2011a, 2011b)

See Table 1.4. Data for cigarettes and cigars were given in numbers and have been converted to tonnes using the factors used in Hill and Laplanche (2003) (1 cigarette = 0.90 g in 1990, reducing to 0.80 g in 2000, 0.80 g used from then on; 1 cigar = 3.662 g).

“Large cigars” weigh 3 g or more; “Small cigars” weigh less than 3 g and include cigarillos. The total number of cigars (large and small) was used in the conversion to tonnes. Data for snuff and chewing tobacco are not available after 2003.

Estimates of smuggling and cross-border sales

Joossens and Raw (1998) estimated that smuggling accounted for around 2% of the market for cigarettes during 1991-1997.

Costes and Palle (1999) estimated that illegal sales at that time represented no more than 3% of the tobacco use in France but that such sales were probably on the increase.

Hill and Laplanche (2003) estimated that the contraband market was of the order of 3% of the total market in 2001, and stated that since then the amounts seized by customs had increased only slightly.

In 2003, Customs estimated that contraband cigarettes represented 1-2% of the cigarettes smoked (Kletzen (2004)). This source also quotes Customs data for tobacco seizures:

| Year | Tonnes of tobacco seized |
|------|--------------------------|
| 1992 | 13 |
| 1993 | 60 |
| 1994 | 186 |
| 1995 | 117 |
| 1996 | 140 |
| 1997 | 181 |
| 1998 | 138 |
| 1999 | 194 |
| 2000 | 218 |
| 2001 | 215 |
| 2002 | 173 |

Ben Lakhdar (2005, 2006) estimated net cross-border sales into France (legal and illegal) using an analysis, by département, of changes in sales volumes:

| Year | Sales (tonnes) | Estimated net cross-border sales (tonnes) | Estimated consumption (tonnes) | Estimated proportion of consumption that is cross-border sales (%) |
|------|----------------|---|--------------------------------|--|
| 2004 | 54 924 | 8 635 | 63 559 | 13.6 |
| 2005 | 54 805 | 9 934 | 64 739 | 15.3 |

Note that the Sales (tonnes) values are from Ben Lakhdar (2006) and are different from those quoted in Table 1.4.

From a study in 2004 of 10 000 adults aged from 18 to 64 years old, British American Tobacco (BAT) estimated that, of the 26 billion fall in sales of cigarettes between 2002 and 2004, 10 billion were accounted for by increases in cross-border sales (Les Echos (2005)).

In a 2005 study by BAT of people's cigarette packets, conducted in eight big towns in France, 22% of the packets were from outside France. The towns chosen were not all near borders with other countries. In Lille 31% of the cigarette packets examined were from outside France (Les Echos (2006), Le Bien Public (2007)).

According to Copé (2007), in 2006 seizures of smuggled smoking tobacco (for hand-rolling and pipes) reached a level never attained before. Customs services seized 75.2 tonnes of these goods, compared with 33.6 tonnes in 2005; an increase of 123.8%. No estimate was given of the total amount smuggled.

Ben Lakhdar (2008) used three methods of assessing cross-border sales and smuggling of tobacco into France. The first method (similar to that used in the 2006 report by the same author, mentioned above) was an analysis, by département, of changes in sales. This gave the estimates:

| Year | Manufactured cigarettes: | |
|------|--|-------------------------------------|
| | <u>estimated net cross-border sales and smuggled</u> | |
| | tonnes | proportion of total consumption (%) |
| 2003 | 2 178 | 3.8 |
| 2004 | 8 635 | 16.4 |
| 2005 | 9 934 | 18.5 |
| 2006 | 9 930 | 18.2 |

The second method compared sales of cigarettes (manufactured and hand-rolled) with the amounts smoked as implied by Health Barometer survey of 2005. Survey results usually under-estimate true consumption, due to a tendency for survey subjects to understate their consumption, and so surveys generally imply a consumption that is lower than sales figures (see *Percentage of total sales*, Methods p.11). This was seen in the estimates for the year 1999. However, in 2005 implied consumption exceeded registered sales.

| Year | Difference between implied consumption and registered sales | |
|------|---|------------------------------------|
| | tonnes | proportion of registered sales (%) |
| 1999 | -11 185.34 | -16 |
| 2005 | 13 109.63 | +30 |

(See Tables 6 and 7 column “% Total sales” for source 34 for our estimates of implied consumption compared with registered sales.)

The third method assessed the cigarette packs retrieved from household waste on two days in each of 2005 and 2006 in Nanterre in Haut de Seine. The data may therefore not be representative of the whole of France. In 2005 106 out of 570 packs (18.6%) were not bought in France. In 2006 the equivalent figures were 113 out of 731 packs (15.5%).

In 2008, customs officers seized about 40 tonnes of cigarettes, which represents an increase of 68% in comparison with 2007. A study for BAT by the Institute Epsy estimated that 14 % of the hand-rolling tobacco used in 2008 in France was bought abroad. (Les Echos (2009))

Estimates of numbers of hand-rolled cigarettes

For 1950-1989 we have taken as our estimate of hand-rolled cigarette consumption 70% of smoking tobacco ('Scaferlatis') sales. Data specifically for hand-rolling tobacco are available for 1990 onwards. Following Dymond (1996), we have assumed an average weight of 0.76 g per cigarette throughout.

This is similar to the estimates of 0.722 g (range approximately 0.510-0.910 g) calculated in a study by SEITA, involving 200 consumers in 1992. This study also reported differences in the mean weight by age: 690 mg for smokers under 35; 870 mg for smokers over 50. A mean weight of 0.810 mg was reported from a Coresta study involving 40 consumers in 1994. The cigarettes were mainly made by simple hand-rolling, with <1% made by tubing and no data available on machine-rolling. (Coresta task force on roll-your-own (fine cut) tobacco (1999)).

'Scaferlatis' is fine-cut tobacco for hand-rolling and pipes. There is little evidence on which to base estimates of the proportion used for hand-rolled cigarettes. For 1990-2003, Hill and Laplanche (2003) give the quantities (tonnes) of smoking tobacco and hand-rolling tobacco separately. This shows the proportion of smoking tobacco used in hand rolled cigarettes increasing from 41% to 85% during that period. By contrast Merzdorf *et al* (1982) allocate all 'Scaferlatis' sales to hand-rolled cigarette smoking, ignoring pipes, which (survey source 1) were smoked by 16% of men in 1976.

Our estimate for 1978 gives hand-rolled cigarettes as 8% of total cigarette consumption, which can be compared with the smoking prevalences reported by Tuyns and Hu (1982) (survey source 12) in that year. Approximately 9% of cigarette smokers smoked hand-rolled cigarettes only and a further 8% smoked both (sexes combined).

Plain/Filter cigarette sales

1958-1989: SEITA, provided by Padioleau (1990). This included SEITA yearly "Statistiques" bulletins.

Data for 1958-1969 were calculated from sales of imports (from the common market and other countries) and sales of SEITA products in France but excluded restricted sales ("vente restreinte") as these were not split by filter and plain cigarette sales. Data for 1970-1989 were calculated by SEITA.

Data for 1958-1960 are for all France; those for 1961 onwards are for continental France. For some years both are available:

| Year | All France | Continental France |
|-------------|-------------------|---------------------------|
| 1961 | 14.1 | 14.3 |
| 1962 | 16.8 | 17.0 |
| 1963 | 18.8 | 19.0 |
| 1964 | 21.4 | 21.5 |
| 1965 | 24.8 | 24.8 |

1988-1997: Centre de Documentation et Information sur le Tabac (1998)

For years where data were also available from Padioleau (1990), the values were identical.

1998-2002: Hill and Laplanche (2003)

This source also gives values for the years 1959-1997. They are virtually identical to those quoted by us.

2004: Observatoire français des drogues et des toxicomanies (2009a)

2005: Besson (2006)

Dark/Blond cigarette sales

1978-2002: Hill and Laplanche (2003) quoting SEITA and Altadis
 2004: Observatoire français des drogues et des toxicomanies (2009a)
 2005: Besson (2006)

Tar and nicotine machine yields of cigarettes

1950-2002: Hill and Laplanche (2003) quoting CDIT

Alternative estimates for sales-weighted average tar and nicotine (SWAT and SWAN respectively), based on the market share of the top 10 cigarette brands sold in France (data supplied by Centre de Documentation et d'Information sur le Tabac (1998)), are:

| Year | SWAT (mg/cig) | SWAN (mg/cig) |
|------|---------------|---------------|
| 1992 | 13.6 | 1.03 |
| 1993 | 13.5 | 1.04 |
| 1994 | 13.2 | 1.01 |
| 1995 | 12.7 | 0.97 |
| 1996 | 12.9 | 0.98 |
| 1997 | 12.3 | 0.95 |

The values for 1992-1995 above were shown in the tables of the previous edition of this report.

In the previous edition of this report, the values for years before 1992 were taken from Joossens (1989) and Todd (1986a). Those sources gave the values:

| Year | SWAT (mg/cig) |
|------|---------------|
| 1950 | 30 |
| 1960 | 28 |
| 1971 | 24 |
| 1976 | 18 |
| 1986 | 17 |

The tar yield per cigarette was limited by EC directive (Directive 90/239/EEC) to 15 mg by the end of 1992, and to 12 mg by the end of 1997 (Harkin *et al* (1997)). From the start of 2004 cigarette yields were further limited by EU directive (Directive 2001/37/EC) to 10 mg tar, 1 mg nicotine and 10 mg carbon monoxide (ASPECT (Analysis of the Science and Policy for European Control of Tobacco) Consortium (2004)).

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. 65 under *References*. Acronyms used for survey organisations and French administrative regions are explained under *Abbreviations and acronyms* on p. 64.

Source number

- 1 Merzdorf *et al* (1982), Hill and Flamant (1985), Hill (1990), Hill and Laplanche (2003)**
 a. Surveys for SEITA.

| Year | Survey organisation | Sample size |
|--------|---------------------|-------------|
| 1953 | ETMAR | 3 573 |
| 1960 | Sema-Sofres | 24 427 |
| 1965 | Sofres | 13 710 |
| 1967/8 | Sema-Sofres | 12 940 |
| 1976 | Sofres | 6 000 |
| 1979 | Unknown | Unknown |

- b. Regular smokers: (1953) smoked at least 2 cigarettes/day or smoked tobacco bought in packets (Hill and Laplanche (2003)); (other years) undefined.

- c. According to Hill and Laplanche (2003), the prevalence of use of various tobacco products (%) among all smokers was:

| Year | Males | | | | | Females | |
|------|------------|--------------|------------|--------|------|------------|----------------|
| | Cigarettes | Hand-rolling | Cigarillos | Cigars | Pipe | Cigarettes | Other products |
| 1953 | 77 | 38 | | | 21 | 100 | 0 |
| 1960 | 78 | 36 | 16 | 20 | 17 | 100 | 0 |
| 1965 | 80 | 27 | 12 | 14 | 14 | 100 | 0 |

- d. In the previous edition of this report, the results for 1953 were assumed to relate to all adults (ages 15+). The source used in this edition clarifies that the age range for that year was 20+. This reduces the estimate of prevalence for all adults (Table 8) for that year because we assume that young people (aged 15-19) have a lower prevalence of smoking than older age groups (see note f below for details).
- e. Consumption category estimation based on 1-5, 6-10, 11-15, 16-20 and 21+ cigarettes/smoker/day.
- f. Assumed extensions to age distribution for percentage smokers are shown in the extended version of Table 4 in the Excel tables workbook.

2 Todd (1986a)

- a. Estimated by Todd.

3 Merzdorf *et al* (1982), Hill (1990), Sasco *et al* (1991, 1995), Grizeau *et al* (1997), Manninen (1997), Hill and Laplanche (2003)

- a. Surveys of adolescents for CFES. Quota samples representative of the national population. Personal interviews.

| Year | Survey organisation | Sample size | Age group |
|------------|---------------------|-------------|-----------|
| 1977 | SOFRES | 1 200 | 12-18 |
| 1980 | BVA | 1 200 | 12-17 |
| 1981 | BVA | 1 200 | 12-17 |
| 1983 | Démoscopie | 1 000 | 12-18 |
| 1984 | Démoscopie | 1 000 | 12-18 |
| 1988 | MV2 conseil | 987 | 12-18 |
| 1990 | IPSOS | 1 000 | 12-18 |
| 1991 | IPSOS | 1 000 | 12-18 |
| 1992 | IPSOS | 1 000 | 12-18 |
| 1994 | MV2 conseil | 1 005 | 12-18 |
| 1995 (Apr) | IPSOS | 1 006 | 12-18 |
| 1995 (Jun) | IOD | 600 | 15-25 |
| 1996 (Mar) | Louis Harris | 1 018 | 12-18 |
| 1996 (Jun) | BVA | 600 | 15-25 |
| 1997 | BVA | 4 115 | 12-19 |

When more than one survey was carried out in a single year (1995 and 1996), results for the second survey of the year are marked with * against the source in Tables 4 and 5

There are minor discrepancies in the sample sizes reported by different sources.

- b. Regular smokers: undefined (1977). Smokers marked as frequency *: smoked at least one cigarette/day (1980, 1981, 1988, 1990, 1994, 1995, 1997); smoked more than 6 cigarettes/week (1983, 1984); smoked every day (1991); smoked almost every day (1992, 1996). Note that cigarettes/smoker values relate to all smokers (not regular smokers) in 1991, 1992 and 1997.
- c. According to Hill and Laplanche (2003), the prevalence of use of various tobacco products (%) among all smokers (1977-1984) or regular smokers (1988) was:

| Year | Males | | Females | |
|------|------------|----------------|------------|----------------|
| | Cigarettes | Cigars or pipe | Cigarettes | Cigars or pipe |
| 1977 | 95 | 5 | 99 | 1 |
| 1980 | 100 | 0 | 100 | 0 |
| 1981 | 100 | 0 | 100 | 0 |
| 1983 | 100 | 0 | 100 | 0 |
| 1984 | 100 | 0 | 100 | 0 |
| 1988 | 100 | 0 | 100 | 0 |

- d. Consumption category estimation based on (1977, 1980) 1-5, 6-14, 15-20 and 21+ cigarettes/smoker/day; (1981, 1983, 1984, 1996) 1-5, 6-10, 11-14, 15-20 and 21+ cigarettes/smoker/day; (1988, 1990, 1995) 1-4, 5-10, 11-15, 16-20 and 21+ cigarettes/smoker/day; (1991, those smoking at least weekly) <5, 5-10, 11-15, 16-20 and 21+ cigarettes/smoker/day; (1992, all smokers) <5, 5-10, 11-15, 16-20 and 21+.

4 Merzdorf *et al* (1982), Hill and Flamant (1985), Hill (1990), Todd (1986a, 1986b), Joossens *et al* (1994), Sasco *et al* (1994, 1995), World Health Organization (1997), Guilbert *et al* (1999), Hill and Laplanche (2003)

- a. Surveys of adults for CFES. Quota samples representative of the national population. Personal interviews.

| Year | Survey organisation | Sample size | Age group |
|------------|---------------------|-------------|-----------|
| 1974 | SOFRES | 1 000 | 18+ |
| 1976 (Sep) | SOFRES | 1 050 | 18+ |
| 1976 (Dec) | Unknown | 1 052 | 18+ |
| 1977 | SOFRES | 1 010 | 18+ |
| 1979 (Jan) | SOFRES | 1 021 | 18+ |
| 1979 (Nov) | SOFRES | 1 006 | 18+ |
| 1981 | SOFRES | 1 019 | 18+ |
| 1982 | SOFRES | 1 016 | 18-74 |
| 1983 (May) | BVA | 1 977 | 15+ |
| 1983 (Dec) | BVA | 1 515 | 18+ |
| 1985 | SOFRES | 1 000 | 15+ |
| 1986 | BVA | 2 000 | 15+ |
| 1989 | BVA | 1 044 | 15+ |
| 1991 | Démoscopie | 1 022 | 18+ |
| 1992 | IPSOS | 1 000 | 18+ |
| 1995 | Démoscopie | 1 000 | 18-75 |
| 1997 | Louis Harris | 1 005 | 18+ |
| 1998 (Aug) | IFOP | 2 006 | 15-75 |
| 1998 (Nov) | IFOP | 1 503 | 15-75 |
| 1999 (Jun) | IPSOS | 2 014 | 15+ |
| 1999 (Oct) | IPSOS | 2 034 | 15+ |
| 2000 (Oct) | IPSOS | 932 | 18+ |
| 2000 (Dec) | IPSOS | 1 015 | 15+ |
| 2001 (Apr) | IPSOS | 937 | 18+ |
| 2001 (May) | IPSOS | 1 006 | 15+ |

When more than one survey was carried out in a single year, results for the second survey of the year are marked in the tables with * against the source.

There are minor discrepancies in the sample sizes reported by different sources.

- b. Regular smokers: smoked every day. All smokers: smoked, even if only from time to time.
c. According to Hill and Laplanche (2003), the prevalence of use of cigarettes (%) among all smokers was:

| Year | Proportion of smokers using cigarettes (manufactured or hand-rolled), % | |
|------------|--|---------|
| | Males | Females |
| 1974 | 97 | 100 |
| 1977 | 92 | 100 |
| 1979 (Jan) | 94 | 100 |
| 1979 (Nov) | 91 | 99 |
| 1982 | 94 | 100 |
| 1983 (May) | 96 | 99 |
| 1983 (Dec) | 92 | 98 |
| 1989 | 98 | 100 |

According to Hill and Laplanche (2003), the prevalence of use of various tobacco products (% , possible use of more than one product) among all smokers was:

| Product | Males | | Females | |
|-------------------------|-------|------|---------|------|
| | 1986 | 1991 | 1986 | 1991 |
| Manufactured cigarettes | 78 | 100 | 96 | 100 |
| Hand-rolled cigarettes | 12 | 4 | 2 | 2 |
| Cigars | 3 | | 0 | |
| Cigarillos | 4 | | 1 | |
| Cigars or cigarillos | | 6 | | 1 |
| Pipe | 3 | 3 | 0 | 0 |
| Chewing tobacco | 0 | | 0 | |

- d. 1983: results in Table 5 are consumption per regular cigarette smoker, calculated by Todd, using consumption category estimation based on 1-10, 11-20, 21+ cigarettes/smoker/day; calculation of age-specific consumption per person based on percentage smokers of any product and number of cigarettes per regular cigarette smoker. They may overestimate for men.
- e. 1998, 2000, 2001: Cigarettes per smoker values relate to all smokers rather than regular smokers.
- f. 1992, 1995: Calculation of cigarettes per person based on prevalence of smoking (product unspecified) and number of cigarettes per cigarette smoker, so may over-estimate.
- g. 1997, 1999 (Oct): Calculation of cigarettes per person based on prevalence of smoking (any frequency, any product) and number of cigarette per regular cigarette smoker, so may over-estimate.
- h. 1998 (Aug and Nov): Calculation of cigarettes per person based on percentage smokers (any frequency, product unspecified) and number of cigarettes per cigarette smoker (any frequency), so should be regarded with caution.
- i. Consumption category estimation based on (1974, 1976, 1977, 1979, 1981, 1982, 1983) 1-10, 11-20 and 21+ cigarettes/smoker/day; (1986, 1992, 1995) 1-5, 6-10, 11-15, 16-20 and 21+ cigarettes/smoker/day; (1989, 1991) 1-5, 6-15, 16-20 and 21+; (1997) 1-4, 5-9, 10-14, 15-19, 20 and 21+ cigarettes/smoker/day; (1998) <6, 6-9, 10-15, 16-20 and 21+ cigarettes/smoker/day; (1999) 1-5, 6-10, 11-20 and 21+; (2000, 2001) <6, 6-10, 11-20 and 21+.
- j. 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 Hill and Laplanche (2003), Institut de recherche et documentation en économie de la santé (2009)

- a. Conditions de vie des ménages (Household living conditions) surveys for INSEE.
1986-1987 (shown in Tables 4-6 as 1986): Etude de conditions de vie, 13 154 households from which one person age 18+ selected.
1997-2004: Enquête permanente sur les conditions de vie des ménages, conducted annually in May each year, 8 000 households, 11 000 subjects age 15+.
- b. Regular smokers: (1986) smoked at least one cigarette every day; (1997 onwards) smoked every day.
- c. Consumption category estimation (1997-2001) based on two categories, 1-10 and 11+ 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.

6 Service des Statistiques des Etudes et des Systemes d'Information (SESI) (1983), Hill and Laplanche (2003)

- a. Enquête décennale (ten-yearly survey). Household surveys by INSEE for CREDOC, Ministère des Affaires Sociales, Ministère de la Santé, and INSERM. Usually face-to-face interviews with one member of household. Persons living in institutions excluded. The household member interviewed gave answers for each of the people in the household.
March 1980 - April 1981: Random sample of 7 323 households, 21 000 individuals, of which 16 220 were age 15+ and included in tobacco questions. Proxy responses for 24% of males, 57% of females.
1991-1992: 7 666 interviews representing 21 500 individuals age 14+.
- b. In tables 5-7, consumption shown as product code A (1991) refers to smoking of any product, expressed as cigarette equivalents, calculated as 1 pipe or 1 cigarillo = 2 cigarettes, 1 cigar = 4 cigarettes and one packet of loose tobacco = 40 cigarettes.
- c. According to Service des Statistiques des Etudes et des Systemes d'Information (SESI) (1983), in 1980 the prevalence of use of various tobacco products, among smokers, was:

| Tobacco product | Proportion of smokers using the product (%) | |
|-----------------|---|---------|
| | Males | Females |
| Cigarettes | 93.6 | 99.5 |
| Pipes | 5.0 | 0.2 |
| Cigarillos | 3.9 | 0.9 |
| Cigars | 3.1 | 0.4 |

- d. In Table 4 (1980), percentages of smokers adjusted to exclude non-respondents from base.
- e. Calculation of cigarettes per person (1991) based on prevalence of cigarette smoking among those aged 15+ and number of cigarettes or cigarette equivalents per smoker aged 18+, so the resulting figures should be regarded with caution.
- f. Assumed extensions to age distribution for percentage smokers are shown in the extended version of Table 4 in the Excel tables workbook.

7 SEITA

- a. Survey conducted by IFOP.

8 Organisation for Economic Co-operation and Development (1993)

- a. No original source

9 Comité National contre le Tabagisme (1982)

- a. Survey by IDEM representative of working population. Sample size 1 001.
- b. There was one female smoker of only cigars/pipe.
- c. Consumption category estimation based on ≤ 5 , 5-10 (assumed 6-10), 11-20, and 21+ cigarettes/smoker/day.
- 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.

10 Readers Digest (1963)

- a. Series of surveys conducted in European countries using identical questionnaires. French survey conducted by SOFRES. Random sample of about 2 000 people.
- b. It is also reported that 11% of men (12% age <40 and 11% age 40+) smoke a pipe, and that 13% of men (13% age <40 and 12% age 40+) smoke cigars.
- c. Assumed extensions to age distribution for percentage smokers are shown in the extended version of Table 4 in the Excel tables workbook.

11 Wynder *et al* (1981)

- a. Subjects randomly selected in 65 départements, as they left factories, stores etc. Sample size (males) 2 163, (females) 1 290. Response rate about 90%, a further 8% excluded owing to history of alcoholism or psychiatric conditions.
- b. Smokers: included those who had given up smoking within the last year.
- c. Among cigarette smokers who listed a preferred brand, 86% of men and 49% of women preferred black to blond tobacco.
- d. Assumed extensions to age distribution for percentage smokers are shown in the extended version of Table 4 in the Excel tables workbook.

12 Tuyns and Hu (1982) and Dr A.J. Tuyns (personal communication)

- a. Département of Calvados. Tuyns and Hu (1982) stated that 'Calvados can ... be considered as an average French département with regard to tobacco consumption'. Sample size (males) 923, (females) 1 053. Response rate (males) 75%, (females) 78%.
- b. There was only one female smoker of products other than cigarettes.
- c. Black tobacco brands were the type most commonly consumed by 68% of male cigarette (including hand-rolled) smokers and 50% of female smokers.
- 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.

13 Fréour *et al* (1969)

- a. Study of chronic bronchitis conducted by INSERM in Bordeaux area in 1963-1967. Representative of the regional population. Sample size (males) 1 320, (females) 1 170.
- b. The *All ages* data in Tables 4-6 are calculated from the prevalence of ever smokers of cigarettes and the proportions of smokers of more than 1 000 cigarettes who had given up smoking, or smoked in specific categories. The age-specific data (females only) are based on the prevalence of ever smokers of cigarettes and the proportion of smokers of more than 1 000 cigarettes who had given up smoking for more than 10 years, and may therefore overestimate as they include some ex-smokers.
- c. Consumption category estimation based on (males) 0-10, 10-20, 20-30, 30+ and (females) 1-10, 10-20, 20+ cigarettes/smoker/day. This has been interpreted as 1-9, 10-19, 20-29, 30+, but a different interpretation would have had considerable impact on the estimates.

14-16 Tolonen *et al* (2000), Kuulasmaa *et al* (1998), Wolf *et al* (1998), Molarius *et al* (1999)

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

| | Region | Phase | Participation rate (%) | | Sample used* | | Date |
|-----------|------------|-------|------------------------|---------|--------------|---------|-------------------|
| | | | Males | Females | Males | Females | |
| 14 | Strasbourg | 1 | 47 | 51 | 667 | 714 | Jan 1985-Aug 1987 |
| 15 | Toulouse | 1 | 73 | 67 | 678 | 645 | May 1985-Feb 1987 |
| 16 | Lille | 1 | 71 | 67 | 646 | 544 | Jun 1986-Feb 1989 |
| 15 | Toulouse | 2 | 65 | - | 586 | - | Oct 1988-May 1991 |
| 14 | Strasbourg | 3 | 52 | 50 | 536 | 543 | Mar 1995-Apr 1997 |
| 15 | Toulouse | 3 | 67 | 59 | 609 | 566 | Dec 1994-Jul 1996 |
| 16 | Lille | 3 | 76 | 76 | 571 | 578 | Jun 1995-Nov 1996 |

* Strasbourg 'Sample used' includes age 25-34; all other figures are for age 35-64 only

- b. *All ages* column relates only to age 35-64 and is standardized to world population.
- c. Regular cigarette smokers: smoked cigarettes daily. All smokers: smoked cigarettes daily or occasionally, or smoked 1 g pipe tobacco or 1 cigar per week.
- d. For phase 1, there are minor discrepancies between the data shown in Table 4 and equivalent data taken from World Health Organization (1989) used in earlier editions of this report.

17 Davidson *et al* (1973), Davidson and Choquet (1980)

- a. Studies of secondary pupils in Paris and Paris region, Rennes and département (Bretagne), and Marseille and département (Bouches-du-Rhone) during 1971 and 1978-1979. Sample size (1971) 2 339, (1978-1979) 2 088. Studies covered all lycée students, and included some students up to age 20.
- b. 1971 survey: prevalences averaged over the three regions.
- c. Regular smokers: smoked daily.
- d. Consumption category estimation based on <5, 5-9, 10-19, and 20+ cigarettes/smoker/day, excluding about 10% of boys in each age group who smoked pipes, and 10-35% of boys and 35-45% of girls with amount smoked unknown.

18 Cooreman *et al* (1978, 1979, 1985)

- a. Survey in Bas-Rhin in spring 1976, covering all schoolchildren aged 13-19 in both public and private schools. Anonymous questionnaire completed by the students in class. Sample size 29 138, response rate 93%.
- b. Smokers marked as frequency *: smoked daily.

19 Lenoir *et al* (1973), Bernard and Boyer (1976)

- a. Results combined from a study in 1971 at selection centre (CS) before military service and a study in 1972 at the end of military service (SM).

| | Sample size | Average age |
|----|-------------|-------------|
| CS | 47 942 | 19 |
| SM | 27 899 | 21 |

In the CS study, 1% smoked only pipe or cigars (no equivalent data for SM study).

- b. Numbers of cigarettes include equivalents of 1 pipe or cigarillo = 2 cigarettes and 1 cigar = 5 cigarettes.
- c. Results presented for individual ages 20-24 have been averaged.
- d. Consumption category estimation based on <10, 10-20, and 21+ cigarettes/smoker/day.

20 Bernard *et al* (1980)

- a. Part of a study on an anti-smoking campaign during military service.
- b. Numbers of cigarettes include equivalents of 1 pipe or cigarillo = 2 cigarettes and 1 cigar = 5 cigarettes.
- c. Consumption category estimation based on <10, 10-20, and 21+ cigarettes/smoker/day.

21 Perdrizet *et al* (1982), Cooreman *et al* (1985) quoting Cooreman *et al* (1982a)

- a. Survey in 1979 of all public secondary schools in Bas-Rhin. Sample size 7 963, response rate 87%. Classes from "Seconde" to "Terminale" were surveyed so the students are mainly aged 15-18 years, but some students were older or younger than this. Same method and questionnaire as was used in source 18.
- b. Smokers marked as frequency *: smoked daily.
- c. Data on cigarettes smoked per day are not given by sex, but for the sexes combined:

| Cigarettes smoked per day | Proportion of the daily smokers (%) |
|---------------------------|-------------------------------------|
| <5 | 15 |
| 5-9 | 31 |
| 10-14 | 21 |
| 15+ | 18 |

22 Cooreman *et al* (1985), quoting Cooreman *et al* (1982b)

- a. Survey in Bordeaux. Sample size 15 247. Age group 13/14 – 19 years. Same method and questionnaire as was used in source 18.

23 Oriol *et al* (1988, 1994)

- a. Studies conducted in département Yvelines (Ile-de-France). Sample drawn from all types of school (except an international school). Self-completed anonymous questionnaire, distributed by a medical researcher, completed during lesson time generally with a teacher present. Sample size (1983) 2 776, (1990) 1 916. Response rate (1983) 92%.
- b. Age range 11-16 years. Results for 11-year-olds are included in the lowest age group for prevalence in 1983 (Table 4) and in the *All ages* prevalence results for both years, but are not included in the age-specific prevalence results for 1990. Results for 11-year-olds are also included in the lowest age group for cigarettes per smoker and per person in 1983 and 1990.

- c. Smokers marked as frequency *: smoked at least 1 cigarette per day on average. Consumption levels based on numbers smoked per week.

24 Neukirch *et al* (1982)

- a. Survey of all pupils at a secondary school in Paris. Upper age not stated, results for pupils under age 12 not presented here. Sample size 2 266.
b. Smokers: smoked at least 1 cigarette per day.

25 Chicou (1978) quoting SOFRES

- a. Survey by SOFRES for ONSER and CNCT. Lower age limit not stated.
b. Results were erroneously shown as year 1977 in the previous edition of this report.

26 Schwartz *et al* (1961)

- a. Patients hospitalized due to work or traffic accident in Paris or large provincial cities (control group in a study of cancer). Study started in 1954, but end year not stated. Age range not stated. Sample size 1 807.
b. Smokers: smoked an average of 1 cigarette or 1 g of pipe tobacco a day during the 10 years before interview.
c. The amount smoked shown in Tables 5-6 relates to all smokers and includes equivalents of 1 g pipe tobacco = 1 cigarette. The amount smoked per smoker was 14.5 cigarettes for cigarette only smokers, 13.6 cigarettes or 21.3 cigarette equivalents for smokers of cigarette *and* pipe, and 16.3 cigarette equivalents for pipe only smokers.

27 Bocagnano *et al* (1999a, 1999b), Auvray *et al* (2003), Hill and Laplanche (2003), Allonier *et al* (2006, 2008)

- a. ESPS (Enquête sur la santé et la protection sociale) by IRDES (formerly CREDES). Survey of households in which at least one member has health insurance. This includes 85-95% of households in metropolitan France. Partly conducted by telephone (with some additional questionnaires sent by post), partly face to face (for those who could not be contacted by telephone). Results weighted to be representative of all insured households or to be representative of all households (2002 only).
b. Survey details:

| Year | Sample size | Response rate (%) |
|------|-------------|-------------------|
| 1988 | 7 783 | |
| 1989 | 9 000 | |
| 1990 | 8 485 | |
| 1991 | 8 697 | |
| 1992 | 9 462 | |
| 1993 | 11 521 | 72 |
| 1994 | 9 934 | 69 |
| 1995 | 9 962 | 69 |
| 1996 | 12 203 | 66 |
| 1997 | 11 425 | |
| 1998 | 23 035 | 66 |
| 2000 | 20 045 | |
| 2002 | 20 834 | 65 |
| 2004 | 12 939 | 70 |
| 2006 | 12 428 | 63 |

- c. Regular smokers: smoked habitually (“de façon habituelle”).
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.

28 Treguer *et al* (1983)

- a. Two studies conducted at the Nancy selection centre before military service, in June and December 1979. Results presented here are average. Age limits are approximate, average age 19.5. Sample size 2 067, response rate 93%.

29, 30 Rabier *et al* (1989), Reif and Melich (1990, 1991a, 1991b, 1992, 1995, 1998a, 1998b, 2000), Reif and Marlier (1998), Christensen (2004), Melich (2006), Papacostas (2008)

- a. Eurobarometer Surveys commissioned by the European Commission to monitor public opinion in the European Union. Some Eurobarometer surveys include questions on smoking habits. Sample size about 1 000.
- b. For surveys before 1994 the sample consisted of people aged 15 and over who were resident in the country and had the country's nationality (source 29). For surveys after 1994 the sample consisted of people aged 15 and over who were resident in the country and had the nationality of any of the member states (source 30). For 1994 itself (Eurobarometer survey 41.0) results were available according to both sample definitions and both are presented.
- c. Two waves of the survey were carried out in each of 1988 and 1989. Prevalence data from both waves are presented in Table 4 but data on cigarettes per smoker and per person are available only from the first. Results for the second survey of the year are marked with * against the source.
- d. Frequency U represents positive answers to questions such as "Do you smoke cigarettes?" or "You smoke packeted cigarettes". From 2002 an additional question made it possible to identify regular smokers also.
- e. In 2006, the prevalence of smoking (age 15+, sexes combined, sex-specific data not yet available) was 26% for packeted cigarettes, 8% for hand-rolled cigarettes and 2% for cigars or pipe. 89% of smokers smoked regularly. (Special Eurobarometer 272c, European Commission (2007))
- f. Consumption category estimation based on <5, 5-9, 10-14, 15-19, 20-24, 25-29, 30-34, 35-39 and 40+ cigarettes/smoker/day.
- g. Before 2002 the calculation of cigarettes per person was based on prevalence of smoking (daily and non-daily) and number of cigarettes per daily smoker, so may overestimate.

31 Tobacco industry, CDIT

- a. Assumed extensions to age distribution for percentage smokers are shown in the extended version of Table 4 in the Excel tables workbook.
- b. For prevalence of smoking in males (Table 4) the values for *All ages* appear to be incompatible with the age-specific values, from which the values in Table 8 were calculated.

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

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

33 Karsenty and Díaz-Gómez (2003), Karsenty *et al* (2007)

- a. La lutte contre le tabagisme en milieu scolaire (Fight against smoking in schools). Surveys by OFDT, MILDT and le Ministère de l'Éducation nationale. Representative sample of Lycées (secondary schools). Self-completed questionnaire.
- b. Sample size (2002) 3 590, (2006) 9 476. Table 4 shows approximate ages corresponding to collège and lycée classes 6th, 5th, 4th, 3rd, 2nd and 1st.
- c. Smokers marked as frequency *: smoked at least one cigarette/day.

34 Arènes *et al* (1996), Baudier and Arènes (1997), Dressen *et al* (2001), Guilbert *et al* (2001), Hill and Laplanche (2003), Beck *et al* (2007)

- a. Baromètre Santé (Health Barometer), a random sample telephone survey for CFES and INSERM, in cooperation with CNAMTS, Ministère du travail et des affaires sociales, le Haut-Comité de santé publique and MILDT. Includes Baromètre santé adultes (surveys of adults), Baromètre santé jeunes (surveys of young people aged 12-19 years) and surveys that include both adults and young people.

| Year | Study type | Sample size | Survey dates |
|------|-------------------------|-------------|-------------------|
| 1992 | Adults | 2 099 | Nov 1992 |
| 1993 | Adults | 1 950 | Nov-Dec 1993 |
| 1995 | Adults | 1 993 | Nov-Dec 1995 |
| 1997 | Young people | 4 115 | Nov-Dec 1997 |
| 1999 | Adults and young people | 13 685 | Oct-Dec 1999 |
| 2004 | Adults and young people | 30 514 | Oct 2004-Feb 2005 |

- b. The questionnaire uses the same questions on smoking as the CFES quota samples (sources 3 and 4). For the adult surveys, a random sample of households is selected. One person aged 18 or older is randomly selected from each household.

- c. From 1999 survey results were weighted to correct for non-responses and household size. In 2004 the survey method was amended to include households on the “liste rouge” (ex-directory, unlisted) and those with no telephone land line but with a mobile phone (14% of households).
- d. Smokers marked as frequency *: smoked daily. Regular smokers: (1992) smoked every day; (1993, 1997, 1999, 2004) smoked at least one cigarette a day; (1995) smoked at least one cigarette a day or tobacco in packets. Smokers: smoked, even if only occasionally.
- e. In Tables 5-7, consumption shown as product code A refers to smoking of all products expressed as cigarette equivalents at a rate of 1 pipe = 5 cigarettes; 1 cigar or cigarillo = 2 cigarettes. In 2004, cigarettes per smoker (Table 5) relate to all smokers rather than regular smokers.
- f. For 1999 Hill and Laplanche (2003) gives smoking prevalence for ages 18 and 19 separately:

| Product, frequency | Prevalence of smoking (%) | | | |
|-------------------------------------|---------------------------|--------|--------|--------|
| | Male | | Female | |
| | age 18 | age 19 | age 18 | age 19 |
| Cigarettes, daily | 39 | 44 | 38 | 41 |
| All products, daily or occasionally | 43 | 48 | 45 | 54 |

- g. In 1999 (according to Guilbert *et al* (2001)) pipe or cigar/cigarillo smoking was very rare among those aged 12-25 years (2.9% and 0.5% respectively). Among those aged 26-75, 4.9% smoked cigars/cigarillos and 1.2% smoked a pipe. Hand-rolled cigarettes were smoked by 5.8% of all subjects (ages 12-75 years, sexes combined). This proportion varied by age as follows:

| Age group (years) | Prevalence of smoking hand-rolled cigarettes (%) |
|-------------------|--|
| 12-14 | 0.7 |
| 15-19 | 10.8 |
| 20-25 | 11.1 |
| 26-34 | 7.9 |
| 35-44 | 6.3 |
| 45-54 | 4.2 |
| 55-64 | 2.6 |
| 65-75 | 1.8 |

In 1999, product use among smokers (according to Hill and Laplanche (2003)) was:

| Tobacco product | Proportion of smokers using the product (%) | | | |
|-------------------------|---|---------|------------|---------|
| | Ages 12-19 | | Ages 18-75 | |
| | Males | Females | Males | Females |
| Manufactured cigarettes | 97 | 99 | 84 | 97 |
| Hand rolling tobacco | 33 | 17 | 23 | 9 |
| Cigars/cigarillos | 10 | 0 | 23 | 3 |
| Pipes | 0 | 0 | 6 | 0 |

In 1999 and 2004 (according to Beck *et al* (2007)), tobacco products were used by the following percentages of adult smokers:

| Tobacco product | Proportion of smokers using the product (%) | |
|-------------------------|---|------|
| | 1999 | 2004 |
| Manufactured cigarettes | 90.6 | 87.8 |
| Hand rolling tobacco | 17.4 | 22.7 |
| Cigars/cigarillos | 13.3 | 13.9 |
| Pipes | 3.2 | 2.5 |
| Chewing tobacco | - | 0.2 |

- h. In 1999, calculation of cigarettes per person based on prevalence of cigarette smoking (manufactured and hand-rolled) and cigarette equivalents (any product) per smoker per day and should be regarded with caution.
- i. Consumption category estimation (adolescents, 1999) based on 1-5, 6-10, 11-15, 16-20 and 21+ cigarettes/smoker/day.
- j. Assumed extensions to age distribution for percentage smokers and for cigarettes/person/day are shown in the extended versions of Tables 4 and 6 respectively in the Excel tables workbook.

35 Beck *et al* (2003)

- a. Enquête sur les représentations, opinions et perceptions sur les psychotropes (EROPP) 2002: a telephone survey of opinions on drugs carried out by SOFRES. Quota sample, age range 15-75. Sample size 2 009.
- b. Although reported as EROPP 2002, the survey was carried out during November and December 2001.
- c. Assumed extensions to age distribution for percentage smokers are shown in the extended version of Table 4 in the Excel tables workbook.

36 King and Coles (1992), King *et al* (1996), Currie *et al* (2000, 2004, 2008)

- a. Part of the HBSC (Health Behaviour in School-Aged Children) Study, a collaborative cross-national research study organised by the WHO. In 1994 and 1998, conducted in Nancy-Metz in Lorraine and Toulouse in Midi-Pyrénées. National survey for later years. School classes or schools were randomly selected, targeting age groups 11 (not presented here), 13 and 15. Questionnaires self-completed in class.

| Year | Target age | Mean age | Sample size |
|------|------------|----------|-------------|
| 1994 | 13 | 13.5 | 1 283 |
| | 15 | 15.5 | 1 260 |
| 1998 | 13 | 13.6 | 1 421 |
| | 15 | 15.6 | 1 245 |
| 2002 | 13 | 13.1 | 2 900 |
| | 15 | 15.1 | 2 614 |
| 2006 | 13 | 13.6 | 2 426 |
| | 15 | 15.6 | 2 222 |

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

37 Choquet and Ledoux (1994)

- a. Santé de l'adolescent (National Adolescent Health Survey) by INSERM in 1993. Representative national sample of those attending public secondary school aged 11-19. Self-completed questionnaire. Sample size 12 391, participation rate approximately 92%.
- b. Considered comparable with the ESPAD surveys (source 38) (Choquet *et al* (2004)).
- c. Smokers marked as frequency *: smoked daily.
- d. Lowest age group includes 11 year olds.
- e. Consumption category estimation based on 2 categories, 1-9 and 10+ cigarettes/smoker/day, and the resulting figures should be regarded with caution.

38 Hibell *et al* (2000, 2004), Choquet *et al* (2000, 2002, 2004), Andersson *et al* (2007), Legleye *et al* (2009)

- a. ESPAD surveys (European School Survey Project on Alcohol and Other Drugs) carried out every 4 years. Conducted in France since 1999 under the "Santé de l'adolescent" programme by INSERM, OFDT and the Minister for Education. Anonymous questionnaire completed by the pupil, in class. A doctor or nurse was present, but discouraged from walking round the classroom.

| Year | Sample size | | Response rate (%) |
|------|-------------|-----------|-------------------|
| | Age 12-19 | Age 15-16 | |
| 1999 | 11 870 | 2 284 | 84 |
| 2003 | 16 833 | 2 119 | 78 |
| 2007 | | 2 807 | >90 |

- b. France was not involved in the 1995 survey, but the INSERM survey of 1993 (source 37) is considered comparable with the ESPAD surveys (Choquet *et al* (2004)). Although the international ESPAD surveys consider pupils aged 15-16 at the time of the survey (and, for some countries, pupils aged 17-18), the surveys carried out in France included a wider age range: students aged 12-19 years. Results are presented for ages 15-16 and 17-18 (for comparison with other countries) and also for the wider age range where available.
- c. A large proportion of young people in France stay in education (e.g. in 2003: 98% at ages 13-15, 92% at age 16, 82% at age 17 and 75% at age 18) so the survey can be considered representative of young people in France, especially in the younger age groups. However,

students who are often absent are under-represented and these students have a higher prevalence of smoking than other students (Choquet *et al* (2004)).

- d. Smokers marked as frequency *: smoked 1 or more cigarettes per day in the last 30 days. All smokers: smoked in the last 30 days.
- e. The *All ages* values refer to ages 14-19; age-specific data are not available for the age groups marked *.
- f. Consumption category estimation based on 1-5, 6-10, 11-20, 21+ cigarettes/smoker/day.

39 Beck *et al* (2000, 2002, 2004, 2005, 2006), Beck and Legleye (2003), Legleye *et al* (2007)

- a. ESCAPAD surveys (Enquête sur la Santé et les Comportements lors de l'Appel de Préparation À la Défense – inquiry into health and behaviours during the call to preparation for defence). Since the end of national service in 1996, each young person with French nationality (including those resident in the DOM) has been obliged to attend a “journée d'appel de préparation à la défense” (JAPD – day of preparation for defence). The certificate issued at the end of the day is required in order to sit public exams or to apply for a driving licence. Completing this survey is included as one of the activities of the day. Thus, unlike most surveys of young people, this survey includes those who are not in education. Young people with severe illness or handicap are not required to attend (approximately 1-2%). Non-nationals are not included (approximately 4% of the population in this age group). Self-completed questionnaire.

- b. Survey details:

| Year | Sample size | Response rate (%)* | Regions reported | Age group reported (yrs) |
|------|-------------|--------------------|-----------------------------------|--------------------------|
| 2000 | 13 957 | 96 | Metropolitan France | 17-19 |
| 2001 | 12 512 | 97 | Metropolitan France [†] | 18 |
| 2002 | 16 552 | 97 | Metropolitan France [†] | 17-19 |
| 2003 | 15 069 | 98 | Metropolitan France ^{†‡} | 17-18 |
| 2005 | 29 393 | 92 | Metropolitan France | 17 |

* Response among those attending the day.

[†] Prevalence of smoking in the DOM reported separately – see note c below.

[‡] Prevalence of smoking in the TOM reported separately – see note c below.

- c. Results quoted in the main tables are for metropolitan France only. Prevalence of smoking in the DOM-TOM was as follows:

| Year | Age group | Region | Daily smoking (%) | |
|------|-----------|------------------|-------------------|---------|
| | | | Males | Females |
| 2001 | 17-18 | Réunion | 19 | 19 |
| | | Guadeloupe | 13 | 9 |
| | | Martinique | 10 | 12 |
| 2002 | 17-19 | Réunion | 24 | 12 |
| | | Guadeloupe | 16 | 9 |
| | | Martinique | 12 | 10 |
| 2003 | 17-18 | Réunion | 28.5 | 23.8 |
| | | Guadeloupe | 13.2 | 9.4 |
| | | Martinique | 14.8 | 9.3 |
| | | New Caledonia | 35.3 | 42.5 |
| | | French Polynesia | 31.4 | 41.0 |

- d. Smokers marked as frequency *: smoked daily in the last 30 days. All smokers: smoked in the last 30 days.
- e. Consumption category estimation based on 1-5, 6-10, 11-20, 20+ (assumed 21+) cigarettes/smoker/day.

40 Hill and Laplanche (2003)

- a. Survey of young people aged 15-24 for SEITA. Random sample, size 6 317.
- b. Smokers marked as frequency *: smoked at least one cigarette/day.
- c. Tobacco products smoked (multiple products used by some):
Boys: manufactured cigarettes (99%), hand-rolled cigarettes (6%), cigarillos (25%), cigars (6%), pipe (31%);
Girls: manufactured cigarettes (100%), pipe (2%).
- d. Consumption category estimation based on 1-4, 5-9, 10, 11-19 and 20+ cigarettes/smoker/day.

Abbreviations and acronyms

| | |
|---------------------|--|
| BVA | A survey organisation. |
| CDIT | Centre de Documentation et d'Information sur le Tabac |
| CFES | le Comité français d'éducation pour la santé |
| CNAMTS | Caisse Nationale d' Assurance Maladie des Travailleurs Salariés |
| CNCT | Comité National Contre le Tabagisme, Paris |
| Continental France | The part of France in mainland Europe (excludes Corsica and DOM-TOM). |
| CREDES | Centre de recherche d'étude et de documentation en économie de la santé |
| CREDOC | Centre de recherche pour l'étude et l'observation des conditions de vie |
| Département | An administrative region of France. France consists of 96 départements. |
| DOM | “Départements d'outre-mer”, the overseas départements of France: Réunion, French Guiana, Martinique and Guadeloupe. |
| DOM-TOM | “Départements et territoires d'outre mer”; DOM plus other overseas territories such as New Caledonia and French Polynesia. |
| ETMAR | A survey organisation. |
| IDEM | Institut Développement—Études—Marketing. A survey organisation. |
| IFOP | A survey organisation. |
| INSEE | Institut National de la Statistique et des Études Économiques |
| INSERM | Institut national de la santé et de la recherche médicale. |
| IOD | Institut d'Observation et de Décision. A survey organisation. |
| IPSOS | A survey organisation. |
| IRDES | Institut de recherche et documentation en économie de la santé |
| Metropolitan France | The part of France that is in Europe (includes Corsica but excludes DOM-TOM). |
| MILDT | Mission interministérielle de lutte contre les drogues et les toxicomanies. |
| MV2 conseil | A survey organisation. |
| OFDT | Observatoire français des drogues et des toxicomanies. |
| ONSER | A survey organisation. |
| SEITA | Société nationale d'exploitation industrielle des tabacs et allumettes. Until 1976 this was the monopoly for manufacture and supply of tobacco products in France. In 1976 it lost the monopoly on supply of tobacco but retained the monopoly on manufacture. Privatised in 1995. In 1999 SEITA merged with Tabacalera to become Altadis. In 2008 Altadis was acquired by Imperial Tobacco. |
| Sema-Sofres | A survey organisation. |
| SESI | Service des Statistiques des Etudes et des Systemes d'Information |
| SOFRES | A survey organisation. |

References

- Allonier C., Dourgnon P. and Rochereau T. (2006). *Santé, soins et la protection sociale en 2004: enquête santé et protection sociale (ESPS)*. IRDES (Institut de recherche et documentation en économie de la santé), Paris. Biblio no. 1621. <http://www.irdes.fr/Publications/Rapports2006/rap1621.pdf>.
- Allonier C., Dourgnon P. and Rochereau T. (2008). *Enquête sur la santé et la protection sociale 2006*. IRDES (Institut de recherche et documentation en économie de la santé), Paris. Biblio no. 1701. <http://www.irdes.fr/Publications/Rapports2008/rap1701.pdf>.
- Andersson B., Hibell B., Beck F., Choquet M., *et al* (2007). *Alcohol and drug use among European 17-18 year old students: data from the ESPAD project*. The Swedish Council for Information on Alcohol and Other Drugs (CAN) and Council of Europe, Co-operation Group to Combat Drug Abuse and Illicit Trafficking in Drugs (Pompidou Group). http://www.espad.org/documents/Espad/ESPAD_reports/17_18_Year_Old_Students_Full_Report.pdf.
- Arènes J., Grizeau D., Baudier F., Chan-Chee C., *et al* (1996). *Evolution des comportements de santé des médecins généralistes en matière de tabagisme de 1992 à 1994. (Changes in smoking habits in general practitioners 1992-94)*. Bulletin épidémiologique hebdomadaire No 19. http://www.invs.sante.fr/BEh/1996/9619/beh_19_1996.pdf.
- ASPECT (Analysis of the Science and Policy for European Control of Tobacco) Consortium (2004). *Tobacco or health in the European Union. Past, present and future*. European Commission. http://europa.eu.int/comm/health/ph_determinants/life_style/Tobacco/Documents/tobacco_fr_en.pdf.
- Auvray L., Doussin A. and Le Fur P. (2003). *Santé, soins et protection sociale en 2002: Enquête sur la santé et la protection sociale, France 2002*. CREDES (Centre de recherche d'étude et de documentation en économie de la santé), Paris. Biblio no. 1509. <http://www.irdes.fr/Publications/Rapports2003/rap1509.pdf>.
- Baudier F. and Arènes J. (1997). *Baromètre santé adultes 95/96*. Éditions CFES, Paris. (Collections Baromètres.) <http://www.inpes.sante.fr>.
- Beck F., Guilbert P. and Gautier A. (2007). *Baromètre santé 2005: attitudes et comportements da santé*. INPES, Saint-Denis. http://www.inpes.sante.fr/Barometres/BS2005/pdf/BS2005_Methodologie.pdf; http://www.inpes.sante.fr/Barometres/BS2005/pdf/BS2005_Tabac.pdf; http://www.inpes.sante.fr/Barometres/BS2005/pdf/BS2005_Questionnaire.pdf.
- Beck F. and Legleye S. (2003). *Drogues et adolescence: usages de drogues et contextes d'usage entre 17 et 19 ans, évolutions récentes - ESCAPAD 2002*. Observatoire français des drogues et des toxicomanies. <http://www.ofdt.fr/BDD/publications/docs/epfxfbja.pdf>.
- Beck F., Legleye S. and Peretti-Watel P. (2000). *Regards sur la fin de l'adolescence: consommations de produits psychoactifs dans l'enquête ESCAPAD 2000*. Observatoire français des drogues et des toxicomanies. <http://www.ofdt.fr/BDD/publications/docs/escapad00.pdf>.
- Beck F., Legleye S. and Peretti-Watel P. (2002). *Santé, mode de vie et usages de drogues à 18 ans: ESCAPAD 2001*. Observatoire français des drogues et des toxicomanies. <http://www.ofdt.fr/BDD/publications/docs/epfxfbj6.pdf>.
- Beck F., Legleye S. and Peretti-Watel P. (2003). *Penser les drogues: perceptions des produits et des politiques publiques. Enquête sur les représentations, opinions et perceptions sur les psychotropes (EROPP) 2002*. OFDT, Paris. <http://www.ofdt.fr/BDD/publications/docs/epfxfbj1.pdf>.

- Beck F., Legleye S. and Spilka S. (2004). *Drogues à l'adolescence. Niveaux et contextes d'usage de cannabis, alcool, tabac et autres drogues à 17-18 ans en France -ESCAPAD 2003-*. (Enquêtes en population générale.) <http://www.ofdt.fr/BDD/publications/docs/escap03db.pdf>; <http://www.ofdt.fr/BDD/publications/docs/epfxfbka.pdf>.
- Beck F., Legleye S. and Spilka S. (2005). *Baisse du tabagisme parmi les adolescents: principaux résultats de l'enquête Escapad, France, 2003*. Bulletin épidémiologique hebdomadaire No 21-22. <http://mvst.free.fr/InVSBEH2005.pdf>.
- Beck F., Legleye S. and Spilka S. (2006). *Les drogues à 17 ans: évolutions, contextes d'usages et prises de risque*. OFDT. Tendances No 49. <http://www.ofdt.fr/BDD/publications/docs/eftxfbm9.pdf>.
- Ben Lakhdar C. (2005). *Contrebande et ventes de tabac 1999-2004*. OFDT. Tendances No 44. <http://www.ofdt.fr/BDD/publications/docs/eftxcblb.pdf>; <http://www.ofdt.fr/BDD/publications/docs/eftacblb.pdf>.
- Ben Lakhdar C. (2006). *Actualisation du Tendances no. 44: contrebande et ventes de tabac 1999-2004*. OFDT. <http://www.ofdt.fr/BDD/publications/docs/tend44b.pdf>.
- Ben Lakhdar C. (2008). Quantitative and qualitative estimates of cross-border tobacco shopping and tobacco smuggling in France. *Tob Control*, **17**, 12-6.
- Bernard J.-G., Nauroy J., Bizeau J.M. and Bernard J.-J. (1980). Le tabagisme du jeune Français et le service militaire. (Tobacco addiction of the young French male and his military service). *Rev Epidemiol Sante Publique*, **28**, 413-21.
- Bernard J.G. and Boyer G. (1976). Etude épidémiologique du tabagisme de l'adulte jeune en France. (Epidemiological study of tobacco smoking among young men in France). *Bull World Health Organ*, **53**, 75-81.
- Besson D. (2006, Décembre (accessed November 2008)). *Consommation de tabac: la baisse s'est accentuée depuis 2003*. INSEE, Paris. INSEE Première No 1110. <http://www.insee.fr/fr/ffc/ipweb/ip1110/ip1110.pdf>.
- Bocagnano A., Dumesnil S., Frérot L., Le Fur P. and Sermet C. (1999a). *Santé, soins et protection sociale en 1998: Enquête sur la santé et la protection sociale, France 1998*. CREDES, Paris. Biblio no 1282. <http://www.irdes.fr/Publications/Rapports1999/rap1282.pdf>.
- Bocagnano A., Dumesnil S., Frérot L., Le Fur P. and Sermet C. (1999b). *Santé, soins et protection sociale en 1998: Enquête sur la santé et la protection sociale, France 1998: Annexes*. CREDES, Paris. Biblio no 1282 bis. <http://www.irdes.fr/Publications/Rapports1999/ann1282bis.pdf>.
- Centre de Documentation et d'Information sur le Tabac [Personal communication to Hamling J. S.] 1998.
- Centre de Documentation et d'Information sur le Tabac (1998). Le tabac en France en 1997. *Tabac News*, **19**, 1-14.
- Chicou F.-J. (1978). La prévention du tabagisme chez les jeunes français. (Prevention of smoking among the young in France). *Rev Prat*, **28**, 1423-8.
- Choquet M., Beck F., Hassler C., Spilka S., Morin D. and Legleye S. (2004). *Les substances psychoactives chez les collégiens et lycéens: consommations en 2003 et évolutions depuis dix ans*. OFDT. Tendances No 35. <http://www.ofdt.fr/BDD/publications/docs/eftxmck3.pdf>.
- Choquet M. and Ledoux S. (1994). *Adolescents: enquête nationale*. INSERM, Paris. Analyses et prospective (U169).
- Choquet M., Ledoux S. and Hassler C. (2002). *Alcool, tabac, cannabis et autres drogues illicites parmi les élèves de collège et de lycée: ESPAD 99 France European School Survey Project on Alcohol and other Drugs. Tome I*. OFDT. <http://www.ofdt.fr/BDD/publications/docs/esp991.pdf>.

- Choquet M., Ledoux S., Hassler C., Beck F. and Peretti-Watel P. (2000). *Consommation de substances psychoactives chez les 14-18 ans scolarisés: premiers résultats de l'enquête Espad 1999, évolution 1993-1999*. Tendances No 6 (Suppl). http://ifr69.vjf.inserm.fr/~ado472/INTRODUCTION/files/Tend6_supl.pdf.
- Christensen T. (2004). *Euro-barometer 58.2: Health and developing countries, October-December 2002 [Computer file]*. Inter-university Consortium for Political and Social Research, Ann Arbor, Michigan. <http://www.data-archive.ac.uk/findingData/snDescription.asp?sn=4810>.
- Comité National contre le Tabagisme (1982). La consommation de tabac chez les travailleurs. *Tabac et Sante*, (45), 15.
- Cooreman J., Burghard G. and Perdrizet S. (1978). L'adolescent et le tabagisme. Responsabilité des parents et des professeurs. Résultats d'une campagne de sensibilisation (Teenagers and tobacco consumption. The responsibility of parents and teachers. Results of a sensitizing campaign). *J Med Strasb*, 9, 483-8.
- Cooreman J., Neukirch F. and Perdrizet S. (1985). Le tabagisme et les adolescentes scolarisées. *Med Hyg*, 43, 3381-4.
- Cooreman J., Perdrizet S. and Burghard G. (1982a). La lutte anti-tabagique à l'école primaire. (The results of educational anti-smoking measures at the primary school level). *Arch Fr Pediatr*, 39, 113-7.
- Cooreman J., Perdrizet S., Metz-Marcy G., Welsch M. and Burghard G. (1979). Un auto-questionnaire appliqué à 30 000 adolescents. Evaluation de ce mode de recueil des données. (A self-administered questionnaire applied to 30,000 teen-agers. Assessment of this method of data collection). *Rev Epidemiol Sante Publique*, 27, 301-5.
- Cooreman J., Redon S. and Perdrizet S. (1982b). Etiologie de la toux chronique des lycéens de l'agglomération bordelaise: methodologie de l'enquête et résultats préliminaires. *Bull Int Union Tuberc*, 57, 272-9. §
- Copé J.-F. (2007). *Resultats 2006, La douane: "Agir pour protéger"*. Conférence de presse de Jean-François Copé. Direction générale des douanes et droits directs. <http://www.douane.gouv.fr/data/file/4494.pdf>.
- Coresta task force on roll-your-own (fine cut) tobacco (1999). *Report of the CORESTA task force on roll-your-own (fine cut) tobacco*. Special CORESTA Bulletin 1999-2. <http://www.coresta.org/>.
- Costes J.-M. and Palle C. (1999). *Drogues et toxicomanies - indicateurs et tendances 1999 (Drugs and drug addictions: indicators and trends 1999)*. OFDT. <http://www.ofdt.fr/BDD/publications/docs/dt99.pdf>; http://www.ofdt.fr/BDD/publications/docs/epa_xjcf1.pdf.
- Currie C., Hurrelmann K., Settertobulte W., Smith R. and Todd J. (eds) (2000). *Health and health behaviour among young people: Health behaviour in school-aged children: a WHO cross-national study (HBSC) international report*. World Health Organization. (WHO Policy Series: Health policy for children and adolescents, issue 1.) www.hbsc.org/downloads/Int_Report_00.pdf.
- Currie C., Roberts C., Morgan A., Smith R., Settertobulte W., Samdal O. and Barnekow Rasmussen V. (eds) (2004). *Young people's health in context. Health behaviour in school-aged children (HBSC) study: international report from the 2001/2002 survey*. World Health Organization. Health policy for children and adolescents, No. 4. <http://www.euro.who.int/Document/e82923.pdf>.
- Currie C., Gabhainn S.N., Godeau E., Roberts C., Smith R., Currie D., Pickett W., Richter M., Morgan A. and Barnekow V. (eds) (2008). *Inequalities in young people's health. Health behaviour in school-aged children: international report from the 2005/2006 survey*. World Health Organization. Health policy for children and adolescents, No. 5. <http://www.euro.who.int/Document/E91416.pdf>.

- Davidson F. and Choquet M. (1980). *Les jeunes et les drogues permises et interdites. Les lycéens, le tabac, l'alcool, les médicaments psychotropes et les drogues illicites. Genèse et évolution de la toxicomanie*. INSERM, Paris.
- Davidson F., Choquet M. and Depagne M. (1973). La connaissance et l'usage par les jeunes de produits ayant une affinité psychotrope. Résultats d'une enquête auprès des lycéens. (Results of a survey carried out in secondary schools on the pupils' knowledge and use of psychotropic substances). *Rev Epidemiol Med Soc Sante Publique*, **21**, 23-49.
- Dressen C., Guilbert P. and Oddoux K. (2001). *Health barometers in France 95/99: key findings*. Comité français d'éducation pour la santé (CFES), Vanves.
<http://www.inpes.sante.fr/CFESBases/catalogue/pdf/472.pdf>.
- Dymond H.F. (1996). A survey of roll-your-own tobacco use and practice and considerations for the analysis of smoking articles made from it. *Tobacco Science*, **40**, 82-6.
- European Commission (2007). *Attitudes of Europeans towards tobacco. Special Eurobarometer 272c/Wave 66.2*. http://ec.europa.eu/public_opinion/archives/ebs/ebs_272c_en.pdf.
- Fréour P., Coudray P. and Fontan M.E.C. (1969). La consommation de tabac. Contribution à son étude en France sur un groupe d'adultes des deux sexes. *Bull Inst Natl Sante Rech Med*, **24**, 1151-83.
- Grizeau D., Baudier F. and Allemand H. (1997). Opinions et comportements des adolescents français face au tabac en 1995. (Opinions and behaviour of French adolescents confronted with tobacco in 1995). *Arch Pediatr*, **4**, 1079-86.
- Guilbert P., Baudier F. and Arwidson P. (1999). Comparaison de 2 modalités d'enquête sur les comportements et attitudes au sujet de l'alcool, du tabac et des drogues illégales (Comparison of two types of KABP surveys on alcohol, tobacco and illegal drugs). *Rev Epidemiol Sante Publique*, **47**, 129-38.
- Guilbert P., Baudier F. and Gautier A. (2001). *Baromètre santé 2000*. INPES, Vanves.
<http://www.inpes.sante.fr/Barometres/Baro2000/pdf/questionnaireb2k.pdf>; <http://www.inpes.sante.fr/Barometres/Baro2000/pdf/tabac.pdf>.
- Harkin A.M., Anderson P. and Goos C. (1997). *Smoking, drinking and drug taking in the European Region*. Alcohol, Drugs and Tobacco Programme, WHO Regional Office for Europe, Copenhagen.
- Hibell B., Andersson B., Ahlström S., Balakireva O., et al (2000). *The 1999 ESPAD report. Alcohol and other drug use among students in 30 European countries*. The Swedish Council for Information on Alcohol and Other Drugs (CAN) and Council of Europe, Co-operation Group to Combat Drug Abuse and Illicit Trafficking in Drugs (Pompidou Group).
http://www.espad.org/documents/Espad/ESPAD_reports/The_1999_ESPAD_report.pdf.
- Hibell B., Andersson B., Bjarnason T., Ahlstrom S., et al (2004). *The ESPAD report 2003. Alcohol and other drug use among students in 35 european countries*. The Swedish Council for Information on Alcohol and Other Drugs (CAN) and Council of Europe, Co-operation Group to Combat Drug Abuse and Illicit Trafficking in Drugs (Pompidou Group), Stockholm, Sweden.
http://www.espad.org/documents/Espad/ESPAD_reports/The_2003_ESPAD_report.pdf.
- Hill C. (Institut Gustave-Roussy) *Re: Tobacco situation in France* [Personal communication to Forey B. A.] 1990, 7 November.
- Hill C. and Flamant R. (1985). Une cause d'épidémie majeure: l'augmentation de la consommation de tabac en France. (A major cause of epidemic: the tobacco consumption increase in France). *Rev Epidemiol Sante Publique*, **33**, 387-95.
- Hill C. and Laplanche A. (2003). *Le tabac en France: les vrais chiffres*. La documentation française, Paris. <http://www.igr.fr/doc/cancer/pdf/prevention/tabacvraichiffres.pdf>.

- Institut de recherche et documentation en économie de la santé (2009, (downloaded 27 February 2009)). *Eco-santé France - consommation de tabac*.
<http://www.ecosante.fr/>; <http://www.ecosante.fr/index2.php?base=FRAN&langh=FRA&langs=FR&sessionid=>.
- Joossens L. (1989). *Documentation Tabac*. CRIOC, Bruxelles. (Hilgers P. (ed) .)
- Joossens L., Naett C., Howie C. and Muldoon A. (1994). *Tobacco and health in the European Union. An overview*. European Bureau for Action on Smoking Prevention (BASP), Brussels.
- Joossens L. and Raw M. (1998). Cigarette smuggling in Europe: who really benefits? *Tob Control*, **7**, 66-71.
- Karsenty S. and Díaz-Gómez C. (2003). *Le tabac en milieu scolaire - Résultats de la première évaluation de la loi Évin dans les écoles, collèges et lycées (2002)*. OFDT, Paris. (Évaluation des politiques publiques.) <http://www.ofdt.fr/BDD/publications/docs/epfxskjc.pdf>.
- Karsenty S., Maignon G., Díaz-Gómez C. and Brannellec T. (2007). *Règles et usages en matière de tabac: évolution 2002-2006 dans les lycées français*. OFDT, Paris.
<http://www.ofdt.fr/BDD/publications/docs/epfxskn1.pdf>; <http://www.ofdt.fr/BDD/publications/doc/Annexes.pdf>.
- King A., Wold B., Tudor-Smith C. and Harel Y. (1996). *The health of youth, a cross-national survey*. WHO Regional Publications, Europe, Copenhagen. European Series No. 69.
<http://www.hbsc.org/publications/reports.html>.
- King A.J.C. and Coles B. (1992). *The health of Canada's youth. Views and behaviours of 11-, 13- and 15-year-olds from 11 countries*. Health and Welfare Canada, Ottawa. Catalogue No. H39-239/1992E.
- Kletzlen A. (2004). *La douane face aux trafics de cigarettes et de monnaies*, No 94. CESDIP, Paris. (Études et Données Pénales.)
http://www.cesdip.org/IMG/pdf/EDP_no_94.pdf; http://www.cesdip.fr/spip.php?article122&var_recherche=La%20douane%20face%20aux%20trafics; <http://www.cesdip.org/spip.php?page=recherche&recherche=transnational>.
- Kuulasmaa K., Tolonen H., Ferrario M. and Ruokokoski E. (1998). *Age, date of examination and survey periods in the MONICA surveys*. World Health Organization.
www.ktl.fi/publications/monica/age/ageqa.htm.
- Le Bien Public, Cupaiolo-Verney S. (2007, Apr 13). Coup de tabac sur les ventes de cigarettes.
<http://www.bienpublic.com/archives/article.php?a=art&num=000002941&aaaammjj=20070413&g>.
- Lee P.N. (ed) (1975). *Tobacco consumption in various countries*, 4th edition. Tobacco Research Council, London. Research Paper 6.
- Legleye S., Beck F., Spilka S. and Le Nézet O. (2007). *Drogues à l'adolescence en 2005: niveaux, contextes d'usage et évolutions à 17 ans en France - résultats de la cinquième enquête nationale ESCAPAD*. OFDT, Paris. <http://www.ofdt.fr/BDD/publications/docs/epfxsln5.pdf>.
- Legleye S., Spilka S., Le Nézet O., Hassler C. and Choquet M. (2009). *Alcool, tabac et cannabis à 16 ans*. OFDT, Paris. Tendances No 64. <http://www.ofdt.fr/BDD/publications/docs/efxslp1.pdf>.
- Lenoir P., Bernard J.G. and Boyer G. (1973). Étude épidémiologique du tabagisme de l'adolescent. *Bull Acad Natl Med*, **1572**, 130-6.
- Les Echos, Anonymous (2005, Apr 11). Les ventes de cigarettes en France ont reculé de 21% l'an dernier (French cigarette sales down 21% in 2004). p.21.
<http://archives.lesechos.fr/archives/2005/LesEchos/19389-92-ECH.htm>.

- Les Echos, Anonymous (2006, Feb 8). Tabac : le marché officiel a cessé de chuter (Tobacco: official trade stops falling). p.19. <http://archives.lesechos.fr/archives/2006/LesEchos/19601-120-ECH.htm?texte=marche%20tabac>.
- Les Echos, Cougard M.-J. (2009, Mar 13). Tabac : le gouvernement veut mettre fin au «tourisme fiscal» (Tobacco: the government wants to end "fiscal tourism"). <http://www.lesechos.fr/info/france/4842062.htm>.
- Manninen J. (ed) (1997). *Smoking prevalence and tobacco policies in the member states of the European Union. A summary of the overviews by country*. National Public Health Institute, Helsinki. http://www.ktl.fi/enypat/data/smokprev_eu.htm.
- Melich A. (2006). *Euro-barometer 52.1: Modern biotechnology, quality of life, and consumers access to justice, November-December 1999 [Computer file]*. Zentralarchiv für Empirische Sozialforschung, Cologne, and Inter-university Consortium for Political and Social Research, Ann Arbor, Michigan. <http://www.data-archive.ac.uk/findingData/snDescription.asp?sn=4203>.
- Merzdorf J., Reuter U. and Welsch G. (1982). *Daten und Fakten zur Entwicklung des Rauchens in Mitgliedsländern der Europäischen Gemeinschaften (Facts and figures on the development of smoking in the member states of the European Communities)*. Kommission der Europäischen Gemeinschaften, Luxemburg. Medizin - EUR 7907 DE.
- Molarius A., Kuulasmaa K., Evans A., McCrum E. and Tolonen H. (1999). *Quality assessment of data on smoking behaviour in the WHO MONICA project*. World Health Organization. <http://www.ktl.fi/publications/monica/smoking/qa30.htm>.
- Neukirch F., Liard R., Cooreman J. and Perdrizet S. (1982). Prevalence of respiratory symptoms in Parisian teenagers according to smoking habits. *J Epidemiol Community Health*, **36**, 202-4.
- Observatoire français des drogues et des toxicomanies (2009a). *Recherche thématique: tabac: production/offre*. OFDT. http://www.ofdt.fr/ofdtdev/live/produits/tabac/offre-1.html#aff_rech; <http://www.ofdt.fr/ofdtdev/live/produits/tabac/2pdf//produits/tabac/offre-1.pdf>.
- Observatoire français des drogues et des toxicomanies (2009b). *Tabagisme et arrêt du tabac en 2008*. OFDT. (Tableau de bord mensuel des indicateurs tabac.) http://www.ofdt.fr/ofdt/fr/tt_08bil.pdf.
- Observatoire français des drogues et des toxicomanies (2011a, (accessed August 2011)). *Recherche thématique: Tabac : production / offre*. http://www.ofdt.fr/ofdtdev/live/produits/tabac/offre-1.html#aff_rech.
- Observatoire français des drogues et des toxicomanies (2011b, (accessed August 2011)). *Tabagisme et arrêt du tabac en 2010*. http://www.ofdt.fr/ofdt/fr/tt_10bil.pdf.
- Organisation for Economic Co-operation and Development (1993). *OECD health systems. Facts and trends 1960-1991. Health policy studies no 3*. OECD, Paris. (Health policy studies, Volume 1.)
- Oriol P., Patois E., Guenin-Tostain F., Benotman H. and Kauffmann F. (1994). Le tabagisme des jeunes de 11-16 ans dans le département des Yvelines en 1990 (Smoking by 11-16 year olds in the Yvelines department in 1990). *Rev Mal Respir*, **11**, 583-92.
- Oriol P., Patois E., Guenin-Tostain F. and Kauffmann F. (1988). Facteurs de risque du tabagisme chez les jeunes de 11 à 16 ans. (Risk factors for smoking in the young age 11 to 16). *Rev Mal Respir*, **5**, 393-400.
- Padioleau M. (Société nationale d'exploitation industrielle des tabacs et allumettes (SEITA)) *Re: Tobacco sales in France* [Personal communication to Forey B. A.] 1990, 24 September.
- Padioleau M. (Société nationale d'exploitation industrielle des tabacs et allumettes (SEITA)) *Re: Tobacco sales in France from 1861 and cigarette consumption per adult for the years 1974-84* [Personal communication to Lee P. N.] 1985, 30 August.

- Papacostas A. (2008, (accessed April 2008)). *Euro-barometer 64.1: Mobility, food risk, smoking, AIDS prevention, and medical errors, September-October 2005 [Computer file]*, 1st GESIS-ZA edition as of March 12, 2008. Zentralarchiv für Empirische Sozialforschung an der Universität zu Köln (ZA). ZA4413. <http://zacat.gesis.org/webview/index.jsp>.
- Perdrizet S., Cooreman J. and Burghard G. (1982). Les adolescents et le tabac dans un département français, en 1979. In: Fontana F. (ed) *Tabacco e giovani (Tobacco and youth), International conference, Venice 9-11 November 1981*. ATTI, Venice; 315-26.
- Rabier J.-R., Riffault H. and Inglehart R. (1989). *Euro-barometer 27: The common agricultural policy and cancer, March-May 1987 [Computer file]*. Inter-university Consortium for Political and Social Research, Ann Arbor, Michigan. <http://www.data-archive.ac.uk/findingData/snDescription.asp?sn=2695>.
- Readers Digest (1963). *Products and people. A digest of the marketing survey of the European Common Market and Britain, 1963*. Reader's Digest Association Limited, London.
- Reif K. and Marlier E. (1998). *Euro-barometer 43.0: Cross-border purchases, smoking habits and cancer risks, March-April 1995 [Computer file]*. Zentralarchiv für Empirische Sozialforschung, Cologne. <http://www.data-archive.ac.uk/findingData/snDescription.asp?sn=3811>.
- Reif K. and Melich A. (1990). *Euro-barometer 29: Environmental problems and cancer, March-April 1988 [Computer file]*. Inter-university Consortium for Political and Social Research, Ann Arbor, Michigan. <http://www.data-archive.ac.uk/findingData/snDescription.asp?sn=2745>.
- Reif K. and Melich A. (1991a). *Euro-barometer 30: Immigrants and out-groups in Western Europe, October-November 1988 [Computer file]*. Inter-university Consortium for Political and Social Research, Ann Arbor, Michigan. <http://www.data-archive.ac.uk/findingData/snDescription.asp?sn=2857>.
- Reif K. and Melich A. (1991b). *Euro-barometer 31: European elections, 1989: Pre-election survey, March-April 1989 [Computer file]*. Inter-university Consortium for Political and Social Research, Ann Arbor, Michigan, and Zentralarchiv für Empirische Sozialforschung, Cologne. <http://www.data-archive.ac.uk/findingData/snDescription.asp?sn=2729>.
- Reif K. and Melich A. (1992). *Euro-barometer 32: The single european market, drugs, alcohol, and cancer, November 1989 [Computer file]*, Second edition. Inter-university Consortium for Political and Social Research, Ann Arbor, Michigan, and Zentralarchiv für Empirische Sozialforschung, Cologne. <http://www.data-archive.ac.uk/findingData/snDescription.asp?sn=2977>.
- Reif K. and Melich A. (1995). *Euro-barometer 38: European court of justice, passive smoking, and consumer issues, September-October 1992 [Computer file]*, Second edition. Zentralarchiv für Empirische Sozialforschung, Cologne, and Inter-university Consortium for Political and Social Research, Ann Arbor, Michigan. <http://www.data-archive.ac.uk/findingData/snDescription.asp?sn=3216>.
- Reif K. and Melich A. (1998a). *Euro-barometer 36: Regional identity and perceptions of the third world, Fall 1991 [Computer file]*. Inter-university Consortium for Political and Social Research, Ann Arbor, Michigan, and Zentralarchiv für Empirische Sozialforschung, Cologne. <http://www.data-archive.ac.uk/findingData/snDescription.asp?sn=3228>.
- Reif K. and Melich A. (1998b). *Euro-barometer 41: Trade issues, blood donation, aids, and smoking, April-May 1994 [Computer file]*, Fourth edition. Inter-university Consortium for Political Ann Arbor, Michigan, and Social Research, and Zentralarchiv für Empirische Sozialforschung, Cologne. <http://www.data-archive.ac.uk/findingData/snDescription.asp?sn=3525>.
- Reif K. and Melich A. (2000). *Euro-barometer 34.1: Health problems, Fall 1990 [Computer file]*, Second edition. Zentralarchiv für Empirische Sozialforschung, Cologne, and Inter-university Consortium for Political and Social Research, Ann Arbor, Michigan. <http://www.data-archive.ac.uk/findingData/snDescription.asp?sn=2968>.

- Sasco A.J., Grizeau D. and Danzon M. (1995). Is tobacco use finally decreasing in France? *Cancer Detect Prev*, **19**, 210-8.
- Sasco A.J., Grizeau D., Pobel D., Chatard O. and Danzon M. (1994). Tabagisme et classe sociale en France de 1974 à 1991 (Smoking and social class in France 1974-1991). *Bull Cancer*, **81**, 355-9.
- Sasco A.J., Pobel D., Grizeau D. and Danzon M. (1991). Évolution récente du tabagisme des jeunes en France (Current development of smoking in young people in France). *Pediatric*, **46**, 555-60.
- Schwartz D., Flamant R., Lellouch J. and Denoix P.F. (1961). Results of a French survey on the role of tobacco, particularly inhalation, in different cancer sites. *J Natl Cancer Inst*, **26**, 1085-108.
- Service des Statistiques, des Etudes et des Systemes d'Information (SESI) (1983). *Quelques résultats sur les consommateurs de boissons alcooliques et de tabac en France en 1980. Enquête auprès des menages sur la santé et les soins médicaux - 1980-81*. Ministère des Affaires Sociales. Informations Rapides 20.
- Société nationale d'exploitation industrielle des tabacs et allumettes (SEITA) (1961). *Un siècle d'activité du Monopole des Tabacs: II - Ventes totales de tabacs fabriqués*. Paris. Bulletin d'Information de la Direction Générale, No 127.
- SOFRES (date unknown). *Les français et le tabac. Résultats d'un sondage de la SOFRES effectué entre le 7 et le 10 décembre 1974 auprès d'un échantillon national de 1000 personnes représentatif de la population française âgée de 18 ans et plus*.
- Todd G. (1986a). *Medicine. Statistics of smoking in the Member States of the European Community*. Commission of the European Communities, Luxembourg.
- Todd G.F. (1986b). *Cigarette Data Collection : A record of six cigarette smoking parameters in 20 countries*. Internal report.
- Tolonen H., Kuulasmaa K. and Ruokokoski E. (2000, revised November 2005). *MONICA population survey data book*. World Health Organization. <http://www.ktl.fi/publications/monica/surveydb/title.htm>.
- Treguer M., D'Houtard A., Deschamps J.P., Martin J., Andre G. and Chau N. (1983). Données épidémiologiques concernant le tabagisme chez les jeunes. *Med Armees*, **11**, 595-600.
- Tuyns A.J. and Hu M.X. (1982). Changing smoking patterns in Calvados (France). *Br J Addict*, **77**, 167-83.
- van Reek J. and Adriaanse H. (1995). Daily smoking among adolescents in the European Community. *Rev Epidemiol Sante Publique*, **43**, 281-2.
- van Reek J., Adriaanse H. and Karaoglou A. (1992). Smoking among children in the European Community. *J Public Health Med*, **14**, 93-4.
- Wolf H.K., Kuulasmaa K., Tolonen H. and Ruokokoski E. (1998). *Participation rates, quality of sampling frames and sampling fractions in the MONICA surveys*. World Health Organization. <http://www.ktl.fi/publications/monica/nonres/nonres.htm>.
- World Health Organization (1989). The WHO MONICA project: a worldwide monitoring system for cardiovascular diseases. In: *World Health Statistics Annual 1989*. WHO, Geneva; 25-149.
- World Health Organization (1997). *Tobacco or health: A global status report*. WHO, Geneva.
- Wynder E.L., Mushinski M.H., Stellman S.D. and Choay P. (1981). Tobacco usage in France: An epidemiological study. *Prev Med*, **10**, 301-15.

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