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# **International Smoking Statistics**

Web Edition

A collection of worldwide historical data

## **Comparisons between countries**

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## Preface

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

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

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

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

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

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

### Downloads

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

For the 30 countries included in the 2<sup>nd</sup> edition of International Smoking Statistics, rank tables are presented for the sales of cigarettes and all tobacco products per adult (Tables i and iii) and for the prevalence of smoking among adults (Table ii) at different time periods. The data are based on Tables 2 and 8 of each chapter. Tables iv and v give comparisons of some characteristics of manufactured cigarettes in the 30 countries. These tables are updated as further chapters are added to the Web edition.

Other tables are presented including more countries than those covered in the chapters of International Smoking Statistics. Table vi presents data on the consumption of manufactured cigarettes and all tobacco products per adult for all 47 countries as given in Lee (1975)<sup>1</sup> for the years 1935, 1950, 1965, and 1973. Table vii gives a comparison of 121 countries for the consumption of manufactured cigarettes per adult in 1982-1983, and Table viii gives a similar comparison for 156 countries from 1960 to 2000. Table ix shows estimates of the prevalence of smoking among adults in 145 countries; these data were the latest available as of 2002 and mainly relate to the period 1995-2002.

<sup>1</sup> Lee P.N. (ed) (1975). *Tobacco consumption in various countries*, 4th edition. Tobacco Research Council, London. Research Paper 6 (RP6).

**Table i** Sales<sup>1</sup> of cigarettes (including estimated number of hand-rolled cigarettes) and of all tobacco products at six time periods<sup>2</sup>: 1931-1935, 1956-1960, 1971-1975, 1981-1985, 1991-1995 and 2001-2005. Comparison of 30 countries. Average per adult (aged 15 years and over, sexes combined) per day

**1931-1935**

	<b>Manufactured cigarettes Number/adult/day</b>	<b>Total cigarettes<sup>3</sup> Number/adult/day</b>	<b>All tobacco products<sup>4</sup> Grams/adult/day</b>
<b>10.0 or more</b>			Netherlands
<b>8.0-9.9</b>			Belgium, USA
<b>6.0-7.9</b>			Denmark
<b>4.0-5.9</b>	UK	UK	Australia, Austria, Canada, Czechoslovakia, France, Germany, Ireland, New Zealand, Norway, Spain, Sweden, Switzerland, UK
<b>2.0-3.9</b>	Austria, Belgium, Czechoslovakia, Finland, Greece, Ireland, Japan, USA	Australia, Austria, Bulgaria, Germany, Greece, Japan	Bulgaria, Finland, Greece, Hungary, Iceland, Italy, Japan, Poland, Romania, Yugoslavia
<b>Less than 2.0</b>	Australia, Canada, Denmark, France, Germany, Hungary, Iceland, Italy, Netherlands, New Zealand, Norway, Poland, Romania, Spain, Sweden, Switzerland, Yugoslavia	Iceland, Norway	
<b>No data</b>	Bulgaria, Israel, Portugal, USSR	Belgium, Canada, Czechoslovakia, Denmark, Finland, France, Hungary, Ireland, Israel, Italy, Netherlands, New Zealand, Poland, Portugal, Romania, Spain, Sweden, Switzerland, USA, USSR, Yugoslavia	Israel, Portugal, USSR

**1956-1960**

	<b>Manufactured cigarettes Number/adult/day</b>	<b>Total cigarettes<sup>3</sup> Number/adult/day</b>	<b>All tobacco products<sup>4</sup> Grams/adult/day</b>
<b>10.0 or more</b>		USA	Canada, Netherlands, USA
<b>8.0-9.9</b>	Romania, USA	Australia, Canada, Romania	Australia, Belgium, Denmark, Ireland, New Zealand, Romania, Switzerland, UK
<b>6.0-7.9</b>	Canada, Ireland, Poland, UK	Belgium, Ireland, Netherlands, New Zealand, Poland, UK	Germany(W), France, Iceland, Poland
<b>4.0-5.9</b>	Australia, Austria, Belgium, Bulgaria, Czechoslovakia, Finland, Germany(W), Greece, Hungary, Iceland, Japan, Netherlands, New Zealand, Switzerland, Yugoslavia	Austria, Bulgaria, Denmark, Finland, France, Germany(W), Greece, Hungary, Iceland, Japan, Spain	Austria, Bulgaria, Finland, Greece, Hungary, Japan, Norway, Spain, Sweden, Yugoslavia
<b>2.0-3.9</b>	Denmark, France, Italy, Portugal, Spain, Sweden	Italy, Norway, Portugal, Sweden	Italy, Portugal
<b>Less than 2.0</b>	Norway		
<b>No data</b>	Israel, Germany(E), USSR	Czechoslovakia, Germany(E), Israel, Switzerland, USSR, Yugoslavia	Czechoslovakia, Germany(E), Israel, USSR

**Table i** (continued)

**1971-1975**

	<b>Manufactured cigarettes Number/adult/day</b>	<b>Total cigarettes<sup>3</sup> Number/adult/day</b>	<b>All tobacco products<sup>4</sup> Grams/adult/day</b>
<b>10.0 or more</b>	Romania, USA	Canada, Romania, USA	Belgium, Canada, Netherlands, Romania, Switzerland, USA
<b>8.0-9.9</b>	Australia, Canada, Hungary, Ireland, Japan, Poland, Switzerland, UK	Australia, Belgium, Hungary, Ireland, Japan, Netherlands, New Zealand, Poland, UK	Australia, Denmark, Germany(W), Hungary, Iceland, Ireland, Japan, New Zealand, Poland
<b>6.0-7.9</b>	Austria, Belgium, Germany(W), Greece, Israel, Netherlands, New Zealand, Spain, USSR, Yugoslavia	Austria, Denmark, Finland, Germany(W), Greece, Israel, Spain	Austria, France, Greece, Israel, Norway, Spain, UK, Yugoslavia
<b>4.0-5.9</b>	Bulgaria, Czechoslovakia, Denmark, Finland, France, Germany(E), Iceland, Italy, Portugal, Sweden	Bulgaria, France, Iceland, Italy, Norway, Portugal, Sweden	Bulgaria, Finland, Italy, Portugal, Sweden, USSR
<b>2.0-3.9</b>			
<b>Less than 2.0</b>	Norway		
<b>No data</b>		Czechoslovakia, Germany(E), Switzerland, USSR, Yugoslavia	Czechoslovakia, Germany(E)

**1981-1985**

	<b>Manufactured cigarettes Number/adult/day</b>	<b>Total cigarettes<sup>3</sup> Number/adult/day</b>	<b>All tobacco products<sup>4</sup> Grams/adult/day</b>
<b>10.0 or more</b>	Romania	Romania	Romania
<b>8.0-9.9</b>	Australia, Canada, Greece, Hungary, Japan, Poland, Switzerland, USA, Yugoslavia	Australia, Canada, Greece, Hungary, Japan, Netherlands, Poland, USA	Belgium, Canada, Greece, Hungary, Iceland, Japan, Netherlands, Poland, USA, Yugoslavia
<b>6.0-7.9</b>	Austria, Czechoslovakia, Germany(E, W), Iceland, Ireland, Israel, Italy, New Zealand, Spain, UK	Austria, Belgium, Denmark, France, Germany(W), Iceland, Ireland, Israel, Italy, New Zealand, Spain, UK	Australia, Austria, Denmark, France, Germany(W), Ireland, Israel, Italy, New Zealand, Spain
<b>4.0-5.9</b>	Belgium, Bulgaria, Denmark, Finland, France, Netherlands, Portugal, Sweden, USSR	Bulgaria, Finland, Norway, Portugal, Sweden	Bulgaria, Norway, Portugal, Sweden, UK, USSR
<b>2.0-3.9</b>			Finland
<b>Less than 2.0</b>	Norway		
<b>No data</b>		Czechoslovakia, Germany(E), Switzerland, USSR, Yugoslavia	Czechoslovakia, Germany(E), Switzerland

**Table i** (continued/2)

**1991-1995**

	<b>Manufactured cigarettes Number/adult/day</b>	<b>Total cigarettes<sup>3</sup> Number/adult/day</b>	<b>All tobacco products<sup>4</sup> Grams/adult/day</b>
<b>10.0 or more</b>	Romania	Romania	Romania
<b>8.0-9.9</b>	Greece, Hungary, Japan, Poland	Greece, Hungary, Japan, Poland	Greece, Hungary, Japan, Poland, Switzerland
<b>6.0-7.9</b>	Australia, Bulgaria, Czechoslovakia, Ireland, Spain, Switzerland, USA, Yugoslavia	Australia, Belgium, Bulgaria, Canada, Germany, Ireland, Netherlands, Spain, Switzerland, USA	Austria, Belgium, Bulgaria, Denmark, Germany, Iceland, Netherlands, Spain, USA, Yugoslavia
<b>4.0-5.9</b>	Austria, Belgium, Canada, Denmark, Finland, France, Germany, Iceland, Italy, Portugal, UK, USSR	Austria, Denmark, Finland, France, Iceland, Italy, New Zealand, Norway, Portugal, UK	Australia, Canada, France, Ireland, Italy, Norway, Portugal, Sweden, UK
<b>2.0-3.9</b>	Netherlands, New Zealand, Norway, Sweden	Sweden	Finland, New Zealand, USSR
<b>Less than 2.0</b>			
<b>No data</b>	Israel	Czechoslovakia, Israel, USSR, Yugoslavia	Czechoslovakia, Israel

**2001-2005<sup>5</sup>**

	<b>Manufactured cigarettes Number/adult/day</b>	<b>Total cigarettes<sup>3</sup> Number/adult/day</b>	<b>All tobacco products<sup>4</sup> Grams/adult/day</b>
<b>10.0 or more</b>			
<b>8.0-9.9</b>			
<b>6.0-7.9</b>	Japan, Spain, Switzerland	Denmark, Japan, Spain, Switzerland	Denmark, Germany, Spain, Switzerland
<b>4.0-5.9</b>	Australia, Austria, Denmark, Germany, Italy, UK, USA	Australia, Austria, Canada, Finland, France, Germany, Italy, UK, USA	Austria, Italy, Sweden, UK, USA
<b>2.0-3.9</b>	Canada, Finland, France, New Zealand, Sweden	New Zealand, Sweden	Australia, Canada, Finland, France, New Zealand
<b>Less than 2.0</b>			
<b>No data</b>			Japan

Note: Countries are listed alphabetically in each category.

1. Generally based on sales data, which for some countries may be distorted by factors such as inclusion of cross-border sales (e.g. Switzerland) or exclusion of clandestine sales (e.g. Italy), see *Notes on sources of sales data* of each chapter. See also Methods p.7, for discussion of the terms *sales* and *consumption*.
2. 5-year averages if available, otherwise estimated from the available data.
3. Including hand-rolled cigarettes; for methods of estimation of hand-rolled cigarette consumption, see *Notes on sources of sales data* of each chapter.
4. Estimation of consumption of all tobacco products by weight in many countries incorporates assumptions about the average weight of tobacco in manufactured cigarettes. These assumptions may not adequately reflect changes in the cigarette market. See also Methods, p. 7, *Notes on sources of sales data* of each chapter, and Appendix II.
5. Only includes those countries for which a chapter has been issued in the Web edition.

Source: estimated from Table 2 of each chapter.

**Table ii** Estimated prevalence of smoking at five time periods: 1956-1960, 1971-1975, 1981-1985, 1991-1995 and 2001-2005. Comparison of 30 countries. Males and females aged 15 years and over

**1956-1960**

Percentage	Cigarettes <sup>1</sup> , Males	All products, Males	Cigarettes <sup>1,2</sup> , Females
<b>80 or more</b>		Netherlands	
<b>70-79</b>	Japan, Netherlands, USSR(Caucasus region)	France, Germany(W), Japan, Poland, UK, USA	
<b>60-69</b>	Belgium, Canada, Germany(W), Greece	Australia, Belgium, Denmark, Greece, Ireland, Italy, Norway	
<b>50-59</b>	Finland, France, Ireland, Italy, Norway, UK, USA	Finland	
<b>40-49</b>	Denmark	Sweden	UK
<b>30-39</b>	Sweden		Canada, Denmark, Ireland, Netherlands
<b>20-29</b>			Australia, Germany(W), Norway, Sweden, USA
<b>10-19</b>			Belgium, France, Finland, Japan
<b>Less than 10</b>			Italy, Poland, USSR(Caucasus region)
<b>No data</b>	Australia, Austria, Bulgaria, Czechoslovakia, Germany(E), Hungary, Iceland, Israel, New Zealand, Poland, Portugal, Romania, Spain, Switzerland, USSR(other), Yugoslavia	Austria, Bulgaria, Canada, Czechoslovakia, Germany(E), Hungary, Iceland, Israel, New Zealand, Portugal, Romania, Switzerland, USSR, Yugoslavia	Austria, Bulgaria, Czechoslovakia, Germany(E), Greece, Hungary, Iceland, Israel, New Zealand, Portugal, Romania, Spain, Switzerland, USSR(other), Yugoslavia

**1971-1975**

Percentage	Cigarettes <sup>1</sup> , Males	All products, Males	Cigarettes <sup>1,2</sup> , Females
<b>70-79</b>	Japan	Japan	
<b>60-69</b>		Belgium, Denmark, Ireland, Netherlands, Poland, Spain, UK, USSR(Russia)	
<b>50-59</b>	Belgium, Czechoslovakia, Greece, Italy, Netherlands, Poland, Yugoslavia	Canada, Czechoslovakia, France, Germany(E,W), Greece, Italy, Norway, Sweden, Switzerland, Yugoslavia	
<b>40-49</b>	Australia, Canada, Denmark, France, Finland, Germany(E,W), Hungary, Ireland, Israel, New Zealand, Norway, Switzerland, UK, USA, USSR(Russia)	Australia, Finland, Israel, Romania	Netherlands, UK
<b>30-39</b>	Austria, Romania, Sweden	Austria	Canada, Denmark <sup>2</sup> , Ireland, Israel, New Zealand, Norway, Sweden, Switzerland, USA
<b>20-29</b>			Australia, Belgium, France, Germany(E,W), Hungary, Poland
<b>10-19</b>			Austria, Czechoslovakia, Finland, Greece, Italy, Japan, Spain, USSR(Russia), Yugoslavia
<b>Less than 10</b>			Romania
<b>No data</b>	Bulgaria, Iceland, Portugal, Spain, USSR(other)	Bulgaria, Hungary, Iceland, New Zealand, Portugal, USA, USSR(other)	Bulgaria, Iceland, Portugal, USSR(other)

**Table ii** (continued)

**1981-1985**

Percentage	Cigarettes <sup>1</sup> , Males	All products, Males	Cigarettes <sup>1,2</sup> , Females
60-69	Greece, Japan, Poland	Greece, Japan, Poland	
50-59	Czechoslovakia, Hungary, Yugoslavia	Czechoslovakia, Denmark, France, Hungary, Spain, USSR(Russia), Yugoslavia	
40-49	Belgium, Denmark, France, Israel, Italy, Romania, UK	Belgium, Canada, Germany(W), Iceland, Ireland, Israel, Italy, Netherlands, Norway, Romania, Switzerland, UK	
30-39	Australia, Austria, Canada, Germany(W), Ireland, Netherlands, New Zealand, Portugal, Switzerland, USA	Australia, Austria, Finland, Portugal, Sweden, USA	Denmark <sup>2</sup> , Canada, France, Iceland, Ireland, Israel, Netherlands, Norway, Poland, UK, Yugoslavia
20-29	Finland, Sweden		Australia, Austria, Belgium, Germany(W), Greece, Hungary, Italy, New Zealand, Spain, Sweden, Switzerland, USA
10-19			Czechoslovakia, Finland, Japan
Less than 10			Portugal, Romania, USSR(Russia)
No data	Bulgaria, Germany(E), Iceland, Norway, Spain, USSR	Bulgaria, Germany(E), New Zealand, USSR(other)	Bulgaria, Germany(E), USSR(other)

**1991-1995**

Percentage	Cigarettes <sup>1</sup> , Males	All products, Males	Cigarettes <sup>1,2</sup> , Females
60-69	USSR(Russia)	USSR(Russia, Latvia, Ukraine)	
50-59	Greece, Japan	Greece, Japan, USSR(Lithuania, Kazakhstan)	
40-49	Bulgaria, Czechoslovakia, Romania, USSR(Uzbekistan)	Bulgaria, Czechoslovakia, Denmark, France, Netherlands, Poland, Romania, Spain, USSR(Estonia, Moldova, Uzbekistan), Yugoslavia	
30-39	Austria, Denmark, France, Germany, Ireland, Italy, Portugal	Austria, Belgium, Germany, Hungary, Ireland, Israel, Italy, Norway, Portugal, Switzerland, UK	Denmark, Netherlands, Norway
20-29	Australia, Canada, Finland, New Zealand, Sweden, UK, USA	Australia, Canada, Finland, Iceland, New Zealand, Sweden, USSR(Turkmenistan)	Australia, Austria, Belgium, Canada, Czechoslovakia, France, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Poland, New Zealand, Spain, Sweden, Switzerland, UK, USA, USSR(Estonia), Yugoslavia
10-19			Bulgaria, Finland, Japan, Portugal, Romania, USSR(Latvia, Lithuania, Ukraine, Kazakhstan,)
Less than 10			USSR(Russia, Moldova, Turkmenistan, Uzbekistan)
No data	Belgium, Hungary, Iceland, Israel, Netherlands, Norway, Poland, Spain, Switzerland, USSR(other), Yugoslavia	USA, USSR(other)	USSR(other)

**Table ii** (continued/2)

2001-2005<sup>3</sup>

Percentage	Cigarettes <sup>1</sup> , Males	All products, Males	Cigarettes <sup>1,2</sup> , Females
60-69			
50-59			
40-49	Japan	Japan	
30-39	Austria, Denmark, France, Germany, Italy, Spain	Austria, Denmark, France, Germany, Italy, Spain, UK, USA <sup>4</sup>	
20-29	Australia, Finland, New Zealand, UK	Australia, Finland, Switzerland	Austria, Denmark, France, Germany, Italy, New Zealand, Spain, UK
10-19	Canada, Sweden, USA	Sweden	Australia, Canada, Finland, Japan, Sweden, Switzerland, USA
Less than 10			
No data	Switzerland	Canada, New Zealand	

Note: Countries are listed alphabetically in each category.

1. Based where possible on regular smokers of all cigarettes (including hand-rolled).
2. For females, the prevalence of smoking of all tobacco products combined is similar to the prevalence of cigarette smoking in all the countries listed, except for Denmark in the periods 1971-1975 and 1981-1985, and France in the period 1956-1960, in which the prevalence of smoking of all tobacco products combined would be in the next higher category.
3. Only includes those countries for which a chapter has been issued in the Web edition.
4. Includes occasional smokers.

Source: Estimated from Table 8 of each chapter.

**Table iii** Estimated<sup>1</sup> sales of cigarettes<sup>2</sup> by sex at five time periods: 1956-1960, 1971-1975, 1981-1985, 1991-1995 and 2001-2005. Comparison of 30 countries. Average per adult (males and females aged 15 years and over) per day

**1956-1960**

Number/adult/day	Males	Females
<b>12.0 or more</b>	<b>Poland, USA</b>	
<b>10.0-11.9</b>	Belgium, Netherlands, <b>UK</b>	
<b>8.0-9.9</b>	France, <b>Germany (W), Italy, Japan</b>	
<b>6.0-7.9</b>	Denmark, <i>France</i>	
<b>4.0-5.9</b>	<b>Sweden</b>	Denmark, Netherlands, <b>UK, USA</b>
<b>2.0-3.9</b>		Belgium, Germany (W), <b>Poland, Sweden</b>
<b>Less than 2.0</b>		<b>France, Germany (W), Italy, Japan</b>
<b>Not estimated for total cigarettes</b>	Australia, Austria, Bulgaria, Canada, Czechoslovakia, Finland, German (E), Greece, Hungary, Iceland, Ireland, Israel, New Zealand, Norway, Portugal, Romania, Spain, Switzerland, USSR, Yugoslavia	Australia, Austria, Bulgaria, Canada, Czechoslovakia, Finland, Germany (E), Greece, Hungary, Iceland, Ireland, Israel, New Zealand, Norway, Portugal, Romania, Spain, Switzerland, USSR, Yugoslavia
<b>Not estimated for manufactured cigarettes</b>	Australia, Austria, Belgium, Bulgaria, Canada, Czechoslovakia, Denmark, Finland, Germany (E), Greece, Hungary, Iceland, Ireland, Israel, Netherlands, New Zealand, Norway, Portugal, Romania, Spain, Switzerland, USSR, Yugoslavia	Australia, Austria, Belgium, Bulgaria, Canada, Czechoslovakia, Denmark, Finland, Germany (E), Greece, Hungary, Iceland, Ireland, Israel, Netherlands, New Zealand, Norway, Portugal, Romania, Spain, Switzerland, USSR, Yugoslavia

**1971-1975**

Number/adult/day	Males	Females
<b>12.0 or more</b>	Belgium, Canada, <b>Greece, Hungary, Japan, Poland, Switzerland, USA</b>	
<b>10.0-11.9</b>	Australia, <b>Austria, Belgium, Czechoslovakia, Germany (W), Ireland</b> , Netherlands, New Zealand, <b>Spain, UK, Yugoslavia</b>	
<b>8.0-9.9</b>	<b>Finland, France, Israel, Italy, Romania, USSR (Russia)</b>	<b>USA</b>
<b>6.0-7.9</b>	Denmark, <i>Germany (E), Netherlands</i> , Norway	Australia, Canada, <b>Ireland</b> , Netherlands, New Zealand, <b>Switzerland, UK</b>
<b>4.0-5.9</b>	<i>Denmark, Sweden</i>	<b>Belgium, Denmark, Germany (W), Hungary, Israel, Netherlands, Poland</b>
<b>2.0-3.9</b>		<b>Austria, Czechoslovakia, Finland, France, Germany (E), Greece, Italy</b> , Norway, <b>Sweden</b>
<b>Less than 2.0</b>		<b>Japan, Romania, Spain, USSR(Russia)</b> <i>Yugoslavia</i>
<b>Not estimated for total cigarettes</b>	Bulgaria, Czechoslovakia, Germany (E), Iceland, Portugal, USSR (other), Yugoslavia	Bulgaria, Czechoslovakia, Germany (E), Iceland, Portugal, USSR (other), Yugoslavia
<b>Not estimated for manufactured cigarettes</b>	Australia, Bulgaria, Canada, Iceland, New Zealand, Norway, Portugal, USSR (other)	Australia, Bulgaria, Canada, Iceland, New Zealand, Norway, Portugal, USSR (other)

Table iii (continued)

## 1981-1985

Number/adult/day	Males	Females
12.0 or more	<b>Greece, Hungary, Japan, Poland</b>	
10.0-11.9	<b>Austria, Belgium, Canada, Czechoslovakia, Germany (W), Ireland, Romania, Spain, Switzerland, USA, Yugoslavia</b>	
8.0-9.9	Australia, <i>Belgium</i> , Finland, <b>France, Israel, Italy, New Zealand, Portugal, USSR (Russia)</b>	Canada
6.0-7.9	Denmark, <i>Finland, Germany (W)</i> , Norway, <b>UK</b>	Australia, <b>Hungary, Ireland</b> , New Zealand, <b>USA</b>
4.0-5.9	<i>Netherlands, Sweden</i>	<b>Austria, Belgium, Denmark, Germany (W), Greece, Israel, Netherlands, Poland, Sweden, Switzerland, UK, Yugoslavia</b>
2.0-3.9		<i>Belgium, Czechoslovakia, Finland, France, Italy, Japan, Norway, Spain</i>
Less than 2.0		<b>Portugal, Romania, USSR (Russia)</b>
Not estimated for total cigarettes	Bulgaria, Czechoslovakia, Germany (E), Iceland, Netherlands, USSR (other), Yugoslavia	Bulgaria, Czechoslovakia, Germany (E), Iceland, Netherlands, USSR (other), Yugoslavia
Not estimated for manufactured cigarettes	Australia, Bulgaria, Canada, Denmark, Germany (E), Iceland, New Zealand, Norway, USSR (other)	Australia, Bulgaria, Canada, Denmark, Germany (E), Iceland, New Zealand, Norway, USSR (other)

## 1991-1995

Number/adult/day	Males	Females
12.0 or more	<b>Hungary, Japan, Poland, USSR (Turkmenistan)</b>	
10.0-11.9	<b>Bulgaria, Greece, Yugoslavia</b>	
8.0-9.9	<b>Austria, Czechoslovakia, Germany, Netherlands, Portugal, Romania, Spain, USA, USSR (Russia), Latvia, Lithuania, Ukraine</b>	
6.0-7.9	Australia, Belgium, Canada, Denmark, Finland, <b>France, Ireland, Italy</b> , Norway, UK, <b>USSR (Estonia, Moldova, Uzbekistan)</b>	<b>Hungary, Netherlands</b>
4.0-5.9	<i>Finland, Israel, New Zealand, Sweden, USSR (Kazakhstan)</i>	Australia, Belgium, Canada, <i>Czechoslovakia, Denmark, France, Germany, Greece, Ireland, Norway, Poland, Spain, UK, USA, Yugoslavia</i>
2.0-3.9		<b>Austria, Bulgaria, Finland, Israel, Italy, Japan, New Zealand, Portugal, Romania, Sweden, USSR (Estonia)</b>
Less than 2.0		<b>USSR (Russia, Latvia, Lithuania, Ukraine, Moldova, Turkmenistan, Uzbekistan, Kazakhstan)</b>
Not estimated for total cigarettes	Czechoslovakia, Iceland, Switzerland, USSR (other), Yugoslavia	Czechoslovakia, Iceland, Switzerland, USSR (other), Yugoslavia
Not estimated for manufactured cigarettes	Australia, Belgium, Canada, Denmark, Germany, Iceland, Netherlands, New Zealand, Norway, Sweden, Switzerland, UK, USSR (other)	Australia, Belgium, Canada, Denmark, Germany, Iceland, Netherlands, New Zealand, Norway, Switzerland, UK, USSR (other)

**Table iii** (continued/2)

2001-2005<sup>3</sup>

Number/adult/day	Males	Females
12.0 or more	<b>Japan</b>	
10.0-11.9		
8.0-9.9	<b>Spain, Switzerland</b>	
6.0-7.9	Austria, Denmark, Germany, <b>Italy</b> , UK, <b>USA</b>	
4.0-5.9	<b>Australia, Austria, Canada, Denmark, Finland, France, Germany, UK</b>	<b>Denmark, Germany, Spain, Switzerland, UK, USA</b>
2.0-3.9	<b>New Zealand, Sweden</b>	<b>Australia, Austria, Canada, Finland, France, Germany, Italy, Japan, New Zealand, Sweden</b>
Less than 2.0		<i>New Zealand</i>
Not estimated for total cigarettes		
Not estimated for manufactured cigarettes		

Note: Countries are listed alphabetically in each category.

1. Sales-adjusted data, which for some countries may be distorted by factors such as inclusion of cross border sales (eg. Switzerland) or exclusion of clandestine sales (e.g. Italy), see *Notes on sources of sales data* for each chapter. Method: see *Summary of adult smoking, Methods* p.13.
2. Normal type indicates the appropriate category for total cigarette (including hand-rolled) consumption, *italics indicates manufactured cigarette consumption*, and **bold indicates that the same category is appropriate for both product definitions**.
3. Only includes those countries for which a chapter has been issued in the Web edition.

Source: Estimated from Table 8 of each chapter.

**Table iv** Estimated percentage<sup>1</sup> of manufactured cigarettes which are filter cigarettes, at six time periods: 1951-1955, 1961-1965, 1971-1975, 1981-1985, 1991-1995 and 2001-2005. Comparison of 30 countries

Percentage	1951-1955	1961-1965	1971-1975	1981-1985	1991-1995	2001-2005 <sup>5</sup>
<b>90 or more</b>		Australia	Australia Canada Finland Japan New Zealand Switzerland	Australia Austria Bulgaria Canada Finland Germany(E,W) Greece Italy Japan New Zealand Spain Sweden Switzerland UK USA Yugoslavia	Australia Austria <sup>2</sup> Belgium Bulgaria Canada Czechoslovakia Finland Germany Greece <sup>2</sup> Hungary Italy <sup>2</sup> Japan New Zealand Portugal Spain Sweden Switzerland UK <sup>2</sup> USA Yugoslavia <sup>2</sup>	Australia <sup>2</sup> Austria <sup>2</sup> Canada <sup>2</sup> Denmark Finland France Germany Italy <sup>2</sup> Japan New Zealand Spain Sweden Switzerland <sup>2</sup> UK <sup>2</sup> USA
<b>70-89</b>		Germany(W) Switzerland	Austria Germany(E,W) Greece Ireland Italy Sweden UK USA Yugoslavia	Belgium Czechoslovakia Hungary Ireland Netherlands Norway Portugal	Denmark France Netherlands Poland	
<b>50-69</b>		Finland New Zealand USA	Belgium Czechoslovakia Denmark Hungary Iceland Norway Portugal Spain	Denmark France	Romania	
<b>30-49</b>	Switzerland	Austria Belgium Denmark Italy Norway UK	Bulgaria France Netherlands	Poland USSR <sup>3</sup>		
<b>10 -29</b>		France Ireland Japan Netherlands Portugal Spain Sweden	Poland Romania USSR <sup>3</sup>			
<b>Less than 10</b>	Australia Austria <sup>4</sup> Bulgaria <sup>4</sup> France <sup>4</sup> Greece <sup>4</sup> Hungary <sup>4</sup> Ireland <sup>4</sup> Japan <sup>4</sup> Poland <sup>4</sup> Spain <sup>4</sup> Sweden <sup>4</sup> UK USSR <sup>3,4</sup> USA Yugoslavia <sup>4</sup>	Bulgaria <sup>4</sup> Greece Hungary Poland <sup>4</sup> USSR <sup>3</sup> Yugoslavia <sup>4</sup>				

**Table iv** (continued)

<b>No data</b>	Belgium Canada Czechoslovakia Denmark Finland Germany(E,W) Iceland Israel Italy Netherlands New Zealand Norway Portugal Romania	Canada Czechoslovakia Germany(E) Iceland Israel Romania	Israel	Iceland Israel Romania	Iceland Ireland Israel Norway Switzerland USSR	
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Note: countries are listed alphabetically in each category.

1. 5-year average if available, otherwise estimated from the available data.
2. Assumed not to have decreased since most recent data.
3. Excludes papyrosi.
4. Assumed to have been at least as low as earliest data.
5. Only includes those countries for which a chapter has been issued in the Web edition.

Source: Estimated from Table 3 of each chapter.

**Table v** Sales-weighted average<sup>1</sup> machine tar yield per cigarette (SWAT) at five time periods: 1961-1965, 1971-1975, 1981-1985, 1991-1995 and 2001-2005. Comparison of 30 countries

mg per cigarette	1961-1965	1971-1975	1981-1985	1991-1995	2001-2005 <sup>2</sup>
<b>30 or more</b>	Austria France Sweden	Denmark Hungary			
<b>25-29</b>	Denmark Germany(W) UK	Norway			
<b>20-24</b>	USA	Belgium Finland France Sweden UK	Denmark Poland	Hungary	
<b>15-19</b>	Australia	Austria Canada Germany(W) Japan Switzerland USA	Belgium France Italy Japan UK	Belgium Poland	
<b>10-14</b>		Australia	Austria Canada Finland Germany(W) Sweden USA	Canada Finland France Italy Japan New Zealand Norway UK USA	New Zealand USA
<b>5-9</b>				Australia	France Italy Japan Switzerland UK
No data <sup>3</sup>	Belgium Bulgaria Canada Czechoslovakia Finland Germany(E) Greece Hungary Iceland Ireland Israel Italy Japan Netherlands New Zealand Norway Poland Portugal Romania Spain Switzerland USSR Yugoslavia	Bulgaria Czechoslovakia Germany(E) Greece Iceland Ireland Israel Italy Netherlands New Zealand Poland Portugal Romania Spain USSR Yugoslavia	Australia Bulgaria Czechoslovakia Germany(E) Greece Hungary Iceland Ireland Israel Netherlands New Zealand Norway Portugal Romania Spain Switzerland USSR Yugoslavia	Austria Bulgaria Czechoslovakia Denmark Greece Germany Iceland Ireland Israel Netherlands Portugal Romania Spain Sweden Switzerland USSR Yugoslavia	Australia Austria Canada Denmark Finland Germany Spain Sweden

Note: countries are listed alphabetically in each category.

- 1 5-year average if available, otherwise estimated from the available data.
- 2 Only includes those countries for which a chapter has been issued in the Web edition.
- 3 Although SWAT data may not be available, legislative limits on the yield have been imposed in some countries. In particular, countries in the EU have had limits of 15 mg from 1993, 12 mg from 1998 and 10 mg from 2004. (See also *Notes on sources of sales data* in the individual country chapters.)

Source: Estimated from Table 3 of each chapter.

**Table vi** Consumption of manufactured cigarettes and of all tobacco products in 1935, 1950, 1965, and 1973. Comparison of 47 countries. Average per adult (aged 15 years and over, sexes combined) per day

Country	Manufactured cigarettes Number/adult/day				All tobacco products Grams/adult/day			
	1935	1950	1965	1973	1935	1950	1965	1973
Argentina	2.9	4.0	4.5	5.3	5.6	5.8	5.6	6.1
Australia	1.2	3.5	7.3	8.4	4.9	7.8	9.2	9.3
Austria	2.4	3.0	5.3	7.0	4.7	4.0	6.0	7.3
Barbados			3.0	4.4			3.2	4.6
Belgium	2.2	3.4	5.4	7.5	8.7	7.7	9.6	10.6
Brazil	1.6	3.1	3.3	4.1	6.8	7.1	5.7	5.6
Canada	1.9	4.9	9.1	9.5	6.1	9.5	12.6	12.4
Chile			3.3	3.6			3.1	3.1
Costa Rica			5.1	5.6			4.7	4.3
Denmark	1.3	3.5	4.1	5.1	8.1	10.1	10.2	10.0
El Salvador			2.1	2.8			4.6	4.1
Finland	3.7	4.5	5.3	5.6	3.4	4.5	5.6	6.5
France	1.5	2.5	4.1	5.3	4.7	5.1	6.5	7.3
Germany		1.7	5.8	7.2		5.1	7.7	8.5
Ghana			1.3	1.3			1.4	1.6
Greece	2.6	4.4	5.3	7.0	3.0	5.0	6.1	7.8
Hong Kong			9.1	7.6			8.6	6.8
Iceland	1.3	4.1	5.0	5.6	3.4	6.1	8.1	9.3
India	0.2	0.3	0.5	0.5	2.4	2.6	2.2	1.7
Indonesia				0.6				2.2
Ireland	3.3	6.9	7.4	9.2	5.6	8.6	8.2	8.5
Italy	1.2	1.8	4.2	5.3	2.4	2.5	4.6	5.5
Jamaica			3.5	3.7			3.6	3.7
Japan	2.4	3.3	6.4	8.9	3.7	3.9	6.5	9.0
Kenya			1.1	1.3			1.0	1.1
Malawi			0.4	0.5			0.4	0.6
Malaysia			3.9	4.4			3.9	4.2
Mauritius			4.4	5.3			3.5	4.1
Mexico	3.9	4.1	4.1	3.7	4.0	4.2	4.2	3.7
Morocco	0.7	1.4	1.6	1.9	1.1	1.7	2.0	2.2
Netherlands	1.9	3.1	5.5	6.5	10.4	9.3	11.6	12.2
New Zealand	1.5	3.9	6.2	6.9	5.6	9.0	9.5	8.8
Nicaragua			3.1	4.2			2.9	3.4
Norway	0.8	1.4	1.4	1.8	4.0	5.3	5.8	6.5
Pakistan			1.2	2.1			4.6	4.7
Portugal	0.7	1.7	3.1	4.1	1.7	2.4	3.4	4.2
Sierra Leone			0.8	1.2			1.9	1.6
Singapore			6.5	6.8			7.5	7.8
South Africa	1.4	3.2	3.0	3.8	4.0	6.1	5.7	6.3
Spain	1.1	1.2	4.8	6.2	4.4	3.8	5.6	7.0
Sweden	1.0	2.2	3.7	4.3	4.5	5.1	5.8	5.0
Switzerland	1.5	4.1	8.4	9.2	5.8	7.5	11.2	11.7
Turkey	2.6	3.3	5.0	5.6	3.4	3.9	5.5	6.0
UK	4.4	6.0	7.3	8.8	6.0	7.1	7.6	7.7
USA	4.0	8.9	10.4	10.5	9.7	12.6	13.3	11.4
Venezuela			5.2	6.1				

Notes

Data for other years, usually from 1920 up to 1973, are available in RP6 for all the countries listed. Data were given in RP6 in numbers and pounds per adult per annum and have been converted to numbers and grams per adult per day. For the 22 countries included in the 2<sup>nd</sup> edition or Web edition of *International Smoking Statistics*, the data, and for more years, are also presented in Table 2 of each chapter (any minor differences being due to rounding or different population estimates).

Source: Lee P.N. (ed) (1975). *Tobacco consumption in various countries*, 4th edition. Tobacco Research Council, London. Research Paper 6 (RP6).

**Table vii** Manufactured cigarette consumption<sup>1</sup> in 1982-1983<sup>2</sup>. Comparison of 121 countries. Average per adult<sup>3</sup> (aged 15 years and over, sexes combined) per day

Number/day	Africa	America	Asia	Australasia	Europe
<b>10.0 or more</b>		Cuba			Cyprus
<b>8.0-9.9</b>	Libya	Canada USA	Japan Kuwait Lebanon		Greece + Hungary Iceland Poland Switzerland -
<b>6.0-7.9</b>		Surinam -	Brunei China (Taiwan) Israel Korea South Macau Singapore	Australia + New Zealand + Philippines	Austria Belgium * Bulgaria + Czechoslovakia Germany East Germany West Ireland Italy Spain + UK Yugoslavia +
<b>4.0-5.9</b>	Algeria Mauritius South Africa Tunisia -	Argentina Belize Brazil Martinique Neth. Antilles Nicaragua Trinidad/Tobago Uruguay Venezuela	Egypt - Hong Kong + Jordan Malaysia Saudi Arabia Syria Yemen South	Fiji	Denmark Finland - France Netherlands Portugal Romania Sweden Turkey USSR +
<b>2.0-3.9</b>	Benin Congo Morocco Reunion Sierra Leone -	Barbados Chile Columbia Costa Rica Dominican Rep. Ecuador El Salvador Guyana Honduras Jamaica Mexico Panama	Cambodia China Indonesia Iraq Korea North Pakistan - Thailand		Albania Malta
<b>Less than 2.0</b>	Angola Cameroon Cape Verde Ethiopia Ghana Ivory Coast + Kenya Malawi Mozambique Nigeria Senegal + Sudan Tanzania Uganda Zaire Zambia Zimbabwe	Bolivia Guatemala Haiti Paraguay + Peru	Bangladesh Burma India Iran Laos Nepal Sri Lanka Vietnam +		Norway

See footnotes on next page.

## Table vii (continued)

Note: Countries are listed alphabetically in each category.  
+, -, \* : see note 2 below.

1. Comparable with the first column of Table i, 1981-1985. We have not attempted to collect data on consumption of other tobacco products in countries not included as chapters in *International Smoking Statistics*. However, it should be noted that consumption of products other than manufactured cigarettes may form a major proportion of consumption in some countries.
2. Based on source A for 1983. Data for additional countries also taken from source B for 1982; of the 86 countries given in both sources, 65 would have been allocated to the same category, 12 marked + would have been allocated to the next higher category, and 7 marked - would have been allocated to the next lower category had source B been used. Belgium (marked \*) is the only country allocated to a different category compared with Table i, 1981-1985.
3. Derived from tables of per capita consumption, using population data from World health statistics annual 1985. This ignores any smoking by persons aged under 15, and averages consumption over all adults. Although the level of smoking among young people is unknown, per adult estimates are likely to give a better indication of smoking levels in the population than per capita estimates. This markedly alters the ranking of countries compared with the source tables, since the proportion of the population aged under 15 varies considerably (between 20 and 50 per cent).

Source: (A) World Smoking and Health, 1985. Manufactured cigarette consumption per capita in 130 countries, 1983. In: Tobacco in Australia, a summary of related statistics. Australian Government Publication Service, Canberra, 1990.  
(B) US Department of Agriculture, Foreign Agricultural Service, Washington, DC, FT-7-83, July 1983.

**Table viii** Manufactured cigarette consumption<sup>1</sup> in 1960, 1970, 1980, 1990 and 2000. Comparison of 156 countries<sup>2</sup>. Average per adult<sup>3</sup> (aged 15 years and over, sexes combined) per day

	1960	1970	1980	1990	2000
Afghanistan	0.0	0.0	0.5	0.5	0.3
Albania	2.7	4.7	3.4	3.3	4.2
Algeria	3.7	2.3	4.2	3.4	2.9
Angola	0.9	2.0	1.7	1.3	1.1
Argentina	4.2	4.9	5.4	4.2	4.4
Armenia Rep.				11.2	7.0
Australia	6.9	8.2	9.0	7.5	5.5
Austria	4.6	6.4	7.3	5.9	6.3
Azerbaijan Rep.				4.4	3.0
Bangladesh		1.4	0.8	0.6	0.5
Barbados	3.2	2.8	3.5	3.1	3.1
Belarus				4.3	5.4
Belgium-Luxembourg	3.2	6.3	6.1	5.2	4.9
Belize	2.8	3.6	6.0	4.6	3.4
Benin	0.7	1.4	2.0	0.4	0.3
Bolivia	0.7	1.0	1.1	0.8	0.7
Bosnia and Herzegovina					8.4
Botswana				3.0	2.3
Brazil	4.1	3.6	5.2	4.7	2.3
Brunei	8.3	8.3	11.5	13.0	9.6
Bulgaria	4.0	4.1	5.2	4.8	7.7
Burkina	0.1	0.0	0.1		
Burma, Union of	0.3	0.3	0.4	0.4	0.1
Burundi				1.2	1.1
Cambodia	1.1	2.6	2.8	2.1	1.6
Cameroon	0.9	0.7	1.5	2.1	1.7
Canada	8.0	9.0	9.7	5.6	5.4
Cape Verde	0.7	0.5	0.6		
Chad		0.3	0.0	0.0	0.0
Chile	3.6	3.1	4.0	3.1	3.1
China, Peoples Rep.	1.5	2.1	3.2	5.4	4.8
Colombia	4.7	4.6	3.8	3.4	1.9
Congo (Brazzaville)	3.9	2.0	2.3	2.1	1.6
Congo, Democratic Rep.	1.0	1.0	0.6	0.7	0.5
Costa Rica	4.6	4.4	4.2	2.8	2.1
Cote d'Ivoire	0.9	2.0	2.2	1.8	1.4
Croatia					6.0
Cuba	6.7	10.5	11.3	5.2	5.0
Cyprus	7.1	5.6	7.3	6.3	7.0
Czechoslovakia (Former)	5.2	5.1	5.7	6.6	
Czech Rep.					6.1
Denmark	4.6	5.5	5.4	5.2	5.5
Dominican Rep.	1.5	2.4	2.8	3.0	2.0
Ecuador	1.0	1.4	2.2	2.0	1.6
Egypt	1.8	1.6	3.0	3.4	3.0
El Salvador	1.8	3.4	2.8	1.5	1.1
Estonia				4.3	5.4
Ethiopia	0.1	0.2	0.2	0.2	0.2
Fiji	3.2	3.1	4.6	4.0	3.6
Finland	5.4	5.2	5.1	5.1	3.4
France	3.7	5.1	5.7	5.8	4.7
Georgia Rep.				6.1	6.6
German Democratic Rep.	3.7	4.3	6.3	5.9	
Germany, Federal Rep.	4.7	6.9	7.0	6.8	
Germany					5.9

**Table viii** (continued)

	1960	1970	1980	1990	2000
Ghana	1.2	1.1	1.2	0.7	0.5
Greece	5.5	7.0	9.4	9.6	9.0
Guadeloupe	3.5	3.4	3.0		
Guatemala	2.3	1.9	2.0	0.9	1.0
Guinea	0.2	0.1	0.1	0.1	0.1
Guyana	3.2	3.3	3.5	3.6	3.5
Haiti	0.5	0.4	1.8	0.6	0.5
Honduras	2.9	4.9	3.0	2.5	1.5
Hong Kong	8.4	7.0	7.4	4.5	2.9
Hungary	5.8	7.5	9.4	9.4	6.9
Iceland	6.6	7.8	8.9	7.9	5.3
India	0.4	0.5	0.5	0.4	0.4
Indonesia	1.7	1.3	2.6	3.3	4.1
Iran	12.7	13.1	9.5	14.7	12.0
Iraq	3.2	3.5	2.8	7.0	2.7
Ireland	7.2	6.9	5.9	6.7	5.8
Israel	5.3	5.7	6.6	6.7	5.2
Italy	3.8	5.1	6.4	5.5	5.6
Jamaica & Dep.	2.9	3.6	2.9	2.2	2.0
Japan	5.2	7.7	9.4	8.6	8.3
Jordan	5.0	4.0	5.5	5.9	3.6
Kazakhstan Rep.				4.0	4.3
Kenya	1.0	1.2	1.5	1.3	1.1
Korea, Dem. Peoples Rep.	0.6	2.4	3.2	2.9	2.6
Korea Rep.	2.7	5.9	7.6	8.2	7.5
Kuwait	15.1	13.0	9.7	4.2	1.7
Kyrgyzstan Rep.				4.9	3.5
Laos	0.7	1.4	1.6	1.4	1.2
Latvia				4.1	5.6
Lebanon	3.8	4.1	8.3	8.2	6.6
Liberia	0.8	1.1	1.3	0.5	0.4
Libya	3.1	5.6	8.9	6.4	4.4
Lithuania				4.2	5.2
Macedonia Rep.					8.2
Madagascar	0.5	0.8	1.3	1.0	0.8
Malawi	0.7	0.5	0.9	0.5	0.4
Malaysia	4.3	4.0	5.5	4.5	3.4
Malta	6.4	5.1	7.7	13.1	12.2
Mauritius	5.0	3.6	5.3	5.2	4.7
Mexico	4.9	4.4	4.0	2.8	1.9
Moldova Rep.				6.6	3.9
Morocco	1.7	1.8	3.1	2.7	2.2
Mozambique	0.8	1.0	0.8	0.4	0.3
Nepal	0.2	0.4	0.4	0.3	0.3
Netherlands	4.6	5.7	7.4	5.2	7.7
New Zealand	5.5	7.5	7.6	6.5	5.8
Nicaragua	2.7	3.2	3.8	3.1	2.3
Niger	0.3	0.3	0.3	0.4	0.4
Nigeria	0.4	0.8	1.1	1.0	0.8
Norway	1.8	3.2	2.3	2.3	2.1
Pakistan	1.0	1.7	2.1	1.4	1.7
Panama	2.9	3.3	2.6	1.7	1.2
Papua New Guinea	0.3	0.4	0.1	0.1	0.0
Paraguay	1.2	3.4	3.9	3.2	1.6
Peru	1.4	1.1	1.1	0.9	0.7

**Table viii** (continued/2)

	1960	1970	1980	1990	2000
Philippines	3.7	5.5	5.9	5.2	4.2
Poland	6.2	7.9	9.6	9.9	6.7
Portugal	2.8	4.0	4.9	5.3	5.8
Reunion	3.7	6.4	3.0	1.5	1.2
Romania	4.3	4.7	5.7	5.0	6.1
Russian Federation				4.7	8.2
Rwanda				0.0	0.0
Saudi Arabia	0.6	3.9	5.1	5.3	4.2
Senegal	1.7	1.2	2.0	2.5	1.9
Seychelles					
Sierra Leone	0.4	0.8	2.1	1.2	1.1
Singapore	7.3	7.0	6.4	3.9	3.0
Slovakia					7.8
Slovenia					6.1
Solomon Islands		0.8	0.7	0.4	0.3
South Africa Rep.	2.8	3.8	4.8	5.0	2.4
Spain	3.3	6.0	9.0	7.1	7.2
Sri Lanka	1.0	1.2	1.4	1.2	1.0
Sudan	0.3	0.4	0.4	0.2	0.2
Suriname	1.7	2.7	5.1	4.1	3.7
Sweden	3.3	4.7	5.3	4.2	2.4
Switzerland	6.5	9.5	10.1	8.1	6.7
Syria	2.5	2.0	4.0	1.8	2.8
Tajikistan Rep.				5.1	5.7
Tanzania United Rep.	0.7	1.0	0.9	0.7	0.5
Thailand	1.6	2.1	3.0	2.8	2.3
Togo	0.9	2.2	1.3	1.3	0.9
Trinidad and Tobago	4.9	4.1	5.2	4.3	3.8
Tunisia	2.0	3.3	4.3	4.3	4.6
Turkey	4.4	4.9	6.0	5.4	6.7
Turkmenistan				6.4	5.8
Uganda	0.8	0.8	0.8	0.7	0.5
Ukraine				5.4	5.9
USSR	4.5	5.8	5.8		
United Arab Emirates			26.5	12.6	7.3
United Kingdom	7.7	8.5	7.6	5.9	4.8
United States	10.4	10.1	9.7	7.5	5.7
Uruguay	3.3	4.1	4.7	4.7	4.3
Uzbekistan Rep.				2.0	2.9
Venezuela	4.7	5.3	6.5	3.5	0.7
Vietnam			2.1	1.7	3.0
Yemen					1.4
Yugoslavia (Former)	4.4	6.5	9.3	8.9	
Yugoslavia Fed. Rep.					7.2
Zambia	1.6	2.5	1.1	0.9	0.8
Zimbabwe	5.7	3.7	1.8	1.1	0.7

1. Domestic consumption of manufactured cigarettes. We have not attempted to collect data on consumption of other tobacco products in countries not included as chapters in *International Smoking Statistics*. However, it should be noted that consumption of products other than manufactured cigarettes may form a major proportion of consumption in some countries.
2. Countries are as listed by USDA, except that a few countries have been omitted due to lack of equivalent population data.
3. Calculated from total consumption, using adult population data (derived as total population minus population under 15). This ignores any smoking by persons aged under 15, and averages consumption over all adults. Although the level of smoking among young people is unknown, per adult estimates are likely to give a better indication of smoking levels in the population than per capita estimates. UN population data has been used for this table (rather than WHO data generally used in *International Smoking Statistics*) because of availability for a wider range of countries and years.

Sources: Manufactured cigarettes: United States Department of Agriculture (USDA), Foreign Agricultural Service, Production, Supply and Distribution Online Database. (accessed June 2007) [www.fas.usda.gov/psdonline/psdHome.aspx](http://www.fas.usda.gov/psdonline/psdHome.aspx).  
Population: United Nations (UN) Population Division. *Population, resources, environment and development: the 2005 revision*. Release 1.0. (accessed June 2007) <http://unstats.un.org/pop/dVariables/DRetrieval.aspx>.



**Table ix** Estimated prevalence of smoking<sup>1</sup> among adults, latest data as of 2002<sup>2</sup>.  
Comparison of 145 countries.

Percentage	Males										Females				
	Africa <sup>3</sup>	America	Asia	Australasia <sup>3</sup>	Europe	Africa <sup>3</sup>	America	Asia	Australasia	Europe	Africa <sup>3</sup>	America	Asia	Australasia	Europe
<b>60-69</b>	Kenya Namibia Tunisia		Armenia Cambodia China Georgia Kazakhstan Korea Rep. Kyrgyzstan Mongolia Turkey Yemen	Nauru* Tonga*	Albania Romania Russian Fed.										
<b>50-59</b>	Djibouti* Guinea Uganda*	Mexico Panama	Bangladesh Indonesia Japan Philippines Syrian Arab Rep. Viet Nam	Kiribati Niue* Tuvalu*	Belarus Lithuania Slovakia Ukraine Yugoslavia										
<b>40-49</b>	Algeria Côte d'Ivoire* Mauritius South Africa Tanzania UR	Argentina Bolivia Cuba* Ecuador Peru Trinidad&Tobago* Venezuela	Brunei Darus.* Iraq Jordan Lao PDR* Lebanon Malaysia Myanmar Nepal Thailand Uzbekistan	Cook Islands* Papua N.Guinea* Vanuatu	Andorra Bulgaria Estonia Greece Hungary Latvia Macedonia FYR Moldova Rep. Poland Spain	Guinea			Nauru*						Yugoslavia
<b>30-39</b>	Egypt Gambia Lesotho Morocco Seychelles Zambia Zimbabwe	Brazil El Salvador* Guatemala* Honduras* Uruguay	Azerbaijan Israel Maldives Pakistan Qatar	Samoa*	Austria Belgium Croatia Cyprus Czech Rep. Denmark France Germany Ireland Italy Luxembourg Malta* Netherlands Norway Portugal Slovenia Switzerland	Kenya Namibia	Argentina Venezuela	Lebanon	Kiribati Tuvalu*						Croatia France Germany Ireland Macedonia FYR Norway Slovakia

**Table ix (continued)**

Percentage	Males						Females					
	Africa <sup>3</sup>	America	Asia	Australasia <sup>3</sup>	Europe	Africa <sup>3</sup>	America	Asia	Australasia	Europe		
20-29	Chad <sup>3</sup> Ghana* Malawi Sudan Swaziland	Canada Chile Colombia Costa Rica Dominican Rep. Paraguay* St Vincent & Gr. USA	Bahrain India Iran Islamic Rep. Kuwait Saudi Arabia Singapore Sri Lanka Turkmenistan*	Australia Fiji New Zealand Palau	Finland Iceland San Marino* UK		Brazil Canada Colombia Cuba* Panama USA	Bangladesh Israel Mongolia Myanmar Nepal Turkey Yemen	New Zealand Papua N Guinea* Solomon Isl. <sup>3</sup>	Andorra Belgium Bulgaria Czech Rep. Denmark Estonia Finland Greece Hungary Iceland Luxembourg Netherlands Poland Romania Slovenia Spain Switzerland UK		
10-19	Nigeria	Bahamas Haiti*	Oman* UAE		Sweden	South Africa Tanzania UR Uganda* Zambia	Bolivia Chile Dominican Rep. Ecuador Jordan Kyrgyzstan Lao PDR* Maldives Philippines Mexico Peru Uruguay	Brunei Darus.* Georgia Japan Niue* Samoa* Tonga*	Australia Cook Islands* Fiji Niue* Samoa* Tonga*	Albania Austria Italy Latvia Lithuania Malta* Moldova Rep. San Marino* Sweden Ukraine		
Less than 10	Rwanda					Algeria Congo Dem.Rep. <sup>3</sup> Côte d'Ivoire* Djibouti* Egypt Gambia Ghana* Lesotho Malawi Mauritius Morocco Nigeria Rwanda Seychelles Sudan Swaziland Tunisia Zimbabwe	Bahamas Costa Rica Haiti* Paraguay* St Vincent & Gr. Trinidad&Tobago*	Armenia Azerbaijan Bahrain Cambodia China India Indonesia Iran Islamic Rep. Iraq Kazakhstan Korea Rep. Kuwait Malaysia Oman* Pakistan Qatar Saudi Arabia Singapore Sri Lanka Syrian Arab Rep. Thailand Turkmenistan* UAE Uzbekistan Viet Nam	Palau Vanuatu	Belarus Cyprus Portugal Russian Fed.		

See footnotes next page.

## Table ix (continued/2)

Note: Countries are listed alphabetically in each category.

- 1 The definitions of smoking and survey designs vary. The coverage is not always nationally representative.
- 2,\* The date of survey (if given), or the date of publication of the original source information, was 1996 or later, except for countries marked \*.
- 3 No data for males for Congo Democratic Republic and Solomon Islands, and for females for Chad.

Source: Mackay J. and Eriksen M. (2002). *The tobacco atlas*. World Health Organization, Geneva.  
[http://www.who.int/tobacco/resources/publications/tobacco\\_atlas/en/index.html](http://www.who.int/tobacco/resources/publications/tobacco_atlas/en/index.html) (Table A).