

10 International Comparisons:

Notes and Definitions

This section gives some broad comparisons between transport in the United Kingdom and transport in other major industrialised countries, based on statistics obtained from international publications. Although efforts have been made to achieve comparability, there are still hazards in international comparisons because of differences in the statistical methods and definitions, so the figures should be used with caution.

In most tables, the figures relate to either 1995 and 2005 or 1996 and 2006. For some countries recent data are not available and figures for earlier years are shown as best estimates with appropriate footnotes.

To ease comparisons, much of the data in the tables have been rounded, typically to three significant figures or fewer, but it should not be assumed that figures are always accurate to the precision shown.

Some United Kingdom (or Great Britain) figures differ from comparable tables in other sections of *Transport Statistics Great Britain*, as they conform to slightly different definitions for consistency with figures for other countries.

Data sources

The data are from a wide variety of sources. Population and Gross Domestic Product estimates are from *National Accounts (OECD)*. Other data come from the EU publication *Energy and Transport in Figures, and World Road Statistics (IRF)*, or from national statistics.

General Statistics: 10.1

Values at market exchange rates are series at current domestic prices converted to Euros by way of current exchange rates for those countries outside the Euro zone. Purchasing power parities are price relatives which show the ratio of the prices in national currencies of the same good or service in different countries relative to the EU27.

Road vehicles by type: 10.3

Stock of road vehicles: The number of road vehicles registered at a given date in a country and licensed to use roads open to public traffic. This includes road vehicles exempted from annual taxes or license fees; it also includes imported second-hand vehicles and other road

vehicles according to national practices. The statistics should exclude military vehicles.

Passenger car: Road motor vehicle, other than a motor cycle, intended for the carriage of passengers and designed to seat no more than nine persons (including the driver). This, therefore, includes taxis and hired passenger cars provided that they have fewer than ten seats. This category may also include pick-ups.

Goods vehicle: Any single road motor vehicle designed to carry goods. This excludes articulated tractors and semi-trailers.

Motorcycle: Two-wheeled road motor vehicle with or without side-car, including motor scooter, or three-wheeled road motor vehicle not exceeding 400kg unladen weight. In most countries all such vehicles with a cylinder capacity of 50cc or over are included, as are those under 50cc which do not meet the definition of moped.

Moped: Two- or three-wheeled road vehicle fitted with an engine with a cylinder capacity of less than 50cc and a maximum authorised design speed in accordance with national regulations.

Buses and coaches: Passenger road motor vehicle (including mini-buses) designed to seat more than nine persons (including the driver).

Road traffic: 10.4

The Great Britain figures are gathered from traffic counts as described in Section 7 of this volume: for Great Britain, the traffic measured includes that by Great Britain registered (national) vehicles together with a small amount by foreign vehicles on British roads. Other countries' figures are generally for national vehicles, but comparable statistics are not always available since not all countries have a regular monitoring programme. Some countries rely on roadside interviews, fuel consumption and vehicle ownership data to derive the road traffic statistics.

For Great Britain, vehicle kilometres for buses and coaches relate to vehicles with bus and coach body types as opposed to just those taxed as hackneys with nine or more seats. This differs from Table 10.3 and may differ from other countries.

Freight Transport: 10.5

Road traffic: Figures relate to national and international freight carried by vehicles registered in the country. For most countries these are not comparable with those published previously, as earlier figures related to all freight moved regardless of the nationality of the vehicle.

Inland waterway traffic: Includes all transport loaded and moved on a country's inland waterways on inland waterway craft. It excludes traffic on vessels passing from the sea to an inland waterway.

Rail traffic: Includes all traffic on the country's network.

Passenger transport: 10.6

There are substantial differences in methods used to estimate passenger kilometres, so that results give only a broad indication of variation between countries.

Carbon dioxide emissions from transport: 10.7

This table is based on data from submissions by member states to the United Nations Framework Convention on Climate Change (UNFCCC). The full data can be found at:

http://unfccc.int/national_reports/annex_i_ghg_inventories/national_inventories_submissions/items/4303.php

The data follow the Intergovernmental Panel on Climate Change (IPCC) definitions of emissions, and are on the by source basis. Land Use, Land Use Change and Forestry (LULUCF) emissions have been excluded from the totals for international comparisons, because treatment of this category can vary between countries. The data in table 3.8(a) for UK 'net emissions all sources' includes LULUCF. Transport emissions of carbon dioxide are based on fuel purchases in the country in question.

Table 10.11 includes emissions from Crown Dependencies of Jersey, Guernsey and Isle of Man, and emissions from Overseas Territories. Table 3.7(a) includes emissions from Crown Dependencies but not from Overseas Territories.

Fuel prices: 10.8

The figures comparing the price of petrol and diesel are supplied by the Department for Business, Enterprise & Regulatory Reform,

and are extracted from the IEA publication 'Energy Prices & Taxes'.

The use of the term Tax in part (b) of this table is necessary because some other European countries impose other taxes and fees on fuel. For the United Kingdom this includes just fuel duty and VAT.

The figures in Table 10.8 differ from those in Table 3.3 because of the differences in availability and timing of data collection. The international comparisons in Table 10.8 are based on averages over the year. Table 3.3 attempts to be as up to date as reasonably possible.

Principal fleets: 10.9

Fleets: Includes all trading ships of 100 gross tons and over, so that totals given here for the United Kingdom are not comparable with those given in Table 5.14 which includes trading ships in excess of 500 gross tons.

Airlines: 10.10

The figures in this table are supplied by International Civil Aviation Organisation (ICAO). A substantial proportion of the figures are estimated by ICAO on the basis of part-year data; the table therefore of use only as a guide. Airlines have been allocated to the country in which they are registered, apart from Cathay Pacific, which is based in Hong Kong, and which has been excluded from the United Kingdom figures. Traffic of the Scandinavian Airline System (SAS) has been divided 2:2:3 between Denmark, Norway and Sweden, respectively. The freight tonne-kilometres shown are those carried on freight-only flights.

Because they are not necessarily based on the same airlines each year, figures for some countries will not strictly be comparable over time.

Road deaths: 10.11

The data shown in this table are reproduced from the OECD International Road Traffic and Accident Database, International Transport Forum (ITF) and EU (CARE DATABASE).

International definition (Vienna Convention 1968) of road death: Any person who was killed outright or who died within 30 days as a result of the accident. Some countries use different definitions but adjustments are made for international comparability to a common 30 day basis.

10.1 General Statistics: 2006

	Population ² (millions)	Area (1000 sq kms)	Population per square kilometre	Gross Domestic Product at current prices			
				At market exchange rates		At purchasing power parity ¹	
				Euro (billion)	Euro per head of Population	1 Euro = ³	Euro per head of Population
Great Britain	58.8	229	257	..	..	..	..
Northern Ireland	1.7	14	128	..	..	..	..
United Kingdom	60.6	243	250	1,910	31,500	0.68173	27,900
Austria	8.3	84	99	258	31,100	..	30,200
Belgium	10.5	31	344	317	30,000	1.956	28,900
Bulgaria	7.7	111	69	25	3,300	28.342	8,700
Cyprus	0.8	9	83	15	18,900	0.57578	21,900
Czech Republic	10.3	79	130	114	11,100	7.4591	18,600
Denmark	5.4	43	126	220	40,500	..	29,700
Estonia	1.3	45	30	13	9,800	15.6466	15,900
Finland	5.3	338	16	167	31,700	..	27,300
France	61.4	547	112	1,792	28,400	..	26,500
Germany	82.4	357	231	2,322	28,200	..	26,700
Greece	11.2	132	85	214	19,300	..	22,700
Hungary	10.1	93	108	90	8,900	264.26	15,300
Irish Republic	4.2	70	60	175	41,100	..	33,500
Italy	58.9	301	195	1,475	25,100	..	24,300
Latvia	2.3	65	36	16	7,100	0.6962	13,100
Lithuania	3.4	65	52	24	7,000	3.4528	13,500
Luxembourg	0.5	3	182	34	71,600	..	65,400
Malta	0.4	0	1,297	5	12,400	0.4293	17,700
Netherlands	16.3	42	390	534	32,700	..	31,000
Poland	38.1	313	122	272	7,100	3.8959	12,400
Portugal	10.6	92	115	155	14,700	..	17,500
Romania	21.6	238	91	97	4,500	3.5258	8,800
Slovak Republic	5.4	49	111	45	8,300	37.234	14,900
Slovenia	2.0	20	99	30	15,200	239.60	20,800
Spain	44.1	505	87	981	22,300	..	24,000
Sweden	9.1	450	20	306	33,700	9.2544	28,200
EU27	492.0	4,325	114	11,583	23,500	..	23,500
Norway	4.6	324	14	268	57,500	8.0472	44,000
Switzerland	7.5	41	182	309	40,900	1.5729	31,900
Japan	127.8	378	338	3,477	27,200	146.02	26,700
USA	299.4	9,827	30	10,509	35,000	1.2556	36,300

1 In terms of euros that have the same purchasing power over the whole of the EU calculated weighted average of the purchasing power of the national currencies of EU Member States.

2 Some figures provisional

3 Exchange rate: 1 Euro = in national currency in 2006

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The figures in this table are outside the scope of UK National Statistics

Source - European Commission, Eurostat Yearbook, *European Economic Statistics; National Accounts (OECD) Population Trends (ONS)*

Transport Statistics Great Britain 2008

10.2 Road and rail infrastructure: 1995 and 2005

	Thousand kilometres											
	Road network						Rail network					
	All roads		ow: motorways		All roads per 1,000 square kilometres (kilometres)		In operation		ow: electrified		Rail network per 1,000 square kilometres (kilometres)	
	1995	2005	1995	2005	1995	2005	1995	2005	1995	2005	1995	2005
Great Britain	386	388	3.2	3.5	1,680	1,687	16.7	15.8	5.2	5.2	72	69
Northern Ireland	24	25	0.1	0.1	1,714	1,794	0.2	0.3 ¹	..	..	14	21
United Kingdom	410	413	3.3	3.6	1,682	1,693	16.9	16.1	5.2	5.2	69	66
Austria	130	134 ¹	1.6	1.7	1,550	1,596	5.7	5.7	3.3	3.5	68	68
Belgium	143	152	1.7	1.7	4,694	4,991	3.4	3.5	2.4	3.0	110	116
Denmark	71	72	0.8	1.0	1,653	1,676	2.8	2.6	0.4	0.6	66	61
Finland	78		0.4	0.7	230		5.9	5.7	2.0	2.6	17	17
France	893	951	8.3	10.8	1,641	1,748	31.9	29.3	13.7	14.8	59	54
Germany	642		11.2	12.4	1,798		41.7	34.2	17.7	19.4	117	96
Greece	117	118	0.4	0.9	886	890	2.5	2.6	..	0.1	19	20
Irish Republic	93	97	0.1	0.2	1,316	1,373	2.0	1.9	-	0.1	28	27
Italy	315		6.4	6.5	1,045		16.0	16.5	10.1 ¹	11.6	53	55
Luxembourg	5	5	0.1	0.1	1,975	2,010	0.3	0.3	-	0.3	106	106
Netherlands	122	134	2.2	2.3	2,940	3,234	2.7	2.8	2.0	2.1	66	68
Portugal	69	79	0.7	2.3	748	858	2.9	2.8	0.5	1.4	31	31
Spain	343		7.0	11.4	678		14.3	14.5	6.9	8.2	28	29
Sweden	211	425	1.3	1.7	469	945	10.9	11.0	7.2	7.7	24	24
Cyprus	..	..	0.2	0.3	..	..	..	..	-	-	.	.
Czech Republic	56	128	0.4	0.6	708	1,620	9.4	9.5	2.6	3.0	120	121
Estonia	15	57	0.1	0.1	332	1,261	1.0	1.0	..	0.1	23	21
Hungary	159	189	0.3	0.6	1,706	2,037	8.0	8.0	2.3	2.8	86	85
Latvia	60	70	-	-	930	1,081	2.4	2.3	..	0.3	37	35
Lithuania	63	79	0.4	0.4	959	1,219	2.0	1.8	..	0.1	31	27
Malta	2	..	-	-	.	.	..	..	-	-	.	.
Poland	372	..	0.2	0.6	1,191	..	24.0	19.5	..	11.9	77	62
Slovak Republic	42	44	0.2	0.3	870	896	3.7	3.6	1.4	1.6	75	74
Slovenia	15	38	0.3	0.6	731	1,896	1.2	1.2	..	0.5	59	60
Norway	90	93	0.1	0.3	278	287	4.0	4.1	2.4	2.5	12	13
Switzerland	71	71	1.2	1.4	1,720	1,726	3.2	3.4	..	3.4	78	82
Japan	1,142	1,193	5.7 ²	7.4 ²	3,022	3,156	20.3	20.1	11.9	12.2	54	53
USA	6,296	6,430	88.1	94.6	672	687	..	205.6	22

1. 2004 data.

2. National expressways

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The figures in this table are outside the scope of UK National Statistics

Source - EU Energy and Transport in Figures (EUROSTAT); IRF

Ministry of Land, Infrastructure and Transport, Japan

10.3 Road vehicles by type, at end of year: 1996 and 2006

	Thousands							
	Cars and taxis		Goods vehicles ¹		Motorcycles ^{1,2}		Buses and coaches	
	1996	2006	1996	2006	1996	2006	1996	2006
Great Britain	22,272	27,873	2,555	3,472	769	1,240	158	181
Northern Ireland	547	794	63	110	13	30	5	6
United Kingdom	22,819	28,667	2,618	3,582	782	1,270	163	187
Austria	3,691	4,205	..	..	560	645	10	9
Belgium	4,339	4,976	457	670	212	360	15	15
Denmark	1,744	2,020	340	509	74	184	14	15
Finland	1,943	2,506	259	376	163	338	8	11
France	28,017	31,002	4,976	5,345	2,278	2,500 ³	82	92
Germany	41,372	46,570	2,429	2,804	4,184	5,781	85	84
Greece	2,241	4,543	902	1,220	..	1,206	25	27
Irish Republic	1,057	1,802	147	319	24	35	6	8
Italy	29,911	35,297	3,000	4,332	6,391	10,239	78	96
Luxembourg	232	315	18	31	29	39	1	1
Netherlands	5,740	7,230	684	996	335	568	11	11
Portugal	2,750	4,290	970	1,320	241	559	16	15
Spain	14,754	20,637	3,057	5,033	1,308	4,385	48	58
Sweden	3,655	4,202	312	480	273	498	15	14
Cyprus	227	373	104	116	50 ⁴	40	3	3
Czech Republic	3,193	4,109	225	491	915 ⁴	823	21	21
Estonia	407	554	71	93	5	13	7	5
Hungary	2,264	2,954	303	444	..	130	19	18
Latvia	380	822	73	121	18	37	17	11
Lithuania	785	1,592	89	136	19	26	15	15
Malta	182	218	38	46	12	12	1	1
Poland	8,054	13,384	1,371	2,393	929 ⁴	784	85	84
Slovak Republic	1,058	1,334	97	189	80	58	11	9
Slovenia	741	980	42	70	..	53	2	2
Norway	1,661	2,084	358	489	165	269	34	27
Switzerland	3,268	3,900	263	314	382	609	38	46
Japan	45,069 ⁴	57,510	21,694	16,491	15,262	..	242	232
USA	129,728	135,399	76,147 ⁵	107,944 ⁵	3,871	6,679	697	822

1 There are differences in definitions between countries which limit comparisons.

2 Includes mopeds and three-wheeled vehicles but excludes pedal cycles.

3 Estimated by Eurostat.

4 1995 data.

5 Includes 2-axle, 4-tyre vehicles other than passenger cars.

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The figures in this table are outside the scope of UK National Statistics
Source - EU Energy and Transport in Figures (EUROSTAT)
Ministry of Land, Infrastructure and Transport, Japan
Highway Statistics, USA

Transport Statistics Great Britain 2008

10.4 Road traffic on national territory: 1995 and 2005

	Billion vehicle kilometres							
	Cars and taxis		Goods vehicles ¹		Motor cycles ²		Buses and coaches	
	1995	2005	1995	2005	1995	2005	1995	2005
Great Britain	351.1	397.2	69.9	91.6	3.7	5.4	4.9	5.2
Austria	..	37.0	..	10.4	..	0.5 ³	..	0.4 ³
Belgium	91.2	79.6	1.8	13.2	..	1.1 ³	62.3	0.8 ³
Denmark	33.8	34.1 ³	6.0	10.7 ³	0.3	..	-	0.6 ³
Finland	35.8	44.2	5.8	6.9	..	..	0.6	0.6
France	367.0	420.0	102.0	125.0	4.0	8.5	2.3	2.5
Germany	514.9	578.2	53.2	57.3	12.8	13.0	3.7	3.5
Greece	35.3	65.2 ³	25.3	..	7.1	..	1.4	..
Irish Republic	22.5	..	4.8	..	0.3	..	0.3	..
Italy	187.1	..	33.6	..	..	..	..	..
Luxembourg	3.0	3.5 ⁴	0.5	0.5 ⁴	0.0	0.0 ⁴	0.3	0.0 ⁴
Netherlands	89.1	..	15.3	..	1.7	..	0.6	..
Portugal	38.4	..	39.0	..	1.2	..	0.7	..
Spain	108.0	..	18.9	..	0.7	..	2.1	..
Sweden	56.3	63.0	8.2	9.9	0.5	0.9	1.1	0.9
Cyprus	..	6.4 ³	..	2.8 ³	..	0.5 ³	..	0.3 ³
Czech Republic	24.5	..	2.4	..	0.6	..	10.4	..
Estonia	4.0	6.4	1.3	1.5	..	..	0.2	0.2
Hungary	..	..	..	..	..	..	..	..
Latvia	..	8.0	..	1.9	..	..	..	0.3
Lithuania	..	6.8	2.2	1.7	..	0.1	0.2	0.1
Malta	..	..	..	..	..	..	..	..
Poland	75.2	..	32.7	..	3.2	..	5.1	..
Slovak Republic	8.3	..	0.3	..	0.1	..	0.4	..
Slovenia	6.5	9.5	0.6	1.5	0.0	0.1	0.1	0.1
Norway	24.4	21.2 ⁴	3.8	4.9 ⁴	0.6	1.0 ⁴	0.3	1.0 ⁴
Switzerland	43.8	54.3	5.0	5.4	1.7	2.3	0.1	0.1
Japan	446.4	526.3 ³	267.1	248.7 ³	..	..	6.8	6.7 ³
USA	2,315.7	2,719.7	1,558.1	2,063.9	15.8	17.3	10.3	10.7

1 Including light vans.

2 Including mopeds and three wheeled vehicles but excluding pedal cycles.

3 2004 data.

4 2003 data.

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The figures in this table are outside the scope of UK National Statistics

Source - IRF

Federal Highway Administration, USA

10.5 Freight moved by mode: 1996 and 2006

	Billion tonne-kilometres							
	Road ¹		Rail		Inland waterway excluding coastal and one port traffic		Inland pipeline (Oil) 50 km long and over	
	1996	2006	1996	2006	1996	2006	1996	2006
Great Britain	..	..	15.1	23.1	0.2	0.2	11.6	10.8
Northern Ireland	..	..	-	-	-	-	-	-
United Kingdom	166.2	172.2	15.1	23.1	0.2	0.2	11.6	10.8
Austria	27.8	39.2	13.3	21.0	2.1	1.8	7.1	7.6
Belgium	41.8	43.0	7.2	8.6	5.7	8.9	1.5	1.6
Denmark	21.3	21.3	1.8	1.9	.	.	3.5	4.9
Finland	25.0	29.7	8.8	11.1	0.1	0.1	.	.
France	180.0	211.5	49.5	40.9	6.0	9.0	21.9	21.8
Germany	236.6	330.0	70.0	107.0	61.3	64.0	14.5	15.8
Greece	15.0 ²	34.0	0.3	0.7	.	.	.	0.1
Irish Republic	6.3	17.5	0.6	0.2	.	.	.	.
Italy	175.5 ²	220.4 ²	21.0	24.2	0.1	0.1	10.1	11.2
Luxembourg	3.5	8.8	0.5	0.4	0.3	0.4	.	.
Netherlands	69.4	83.2	3.1	5.3	35.5	42.3	6.0	5.8
Portugal	33.6	44.8	1.9	2.4	.	.	.	.
Spain	102.0 ²	241.8	11.1	11.6	.	.	6.1	10.1
Sweden	33.3	39.9	18.8	22.0	.	.	.	.
Cyprus	1.2	1.2	.	.	.	.	.	.
Czech Republic	30.1	50.4	22.3	15.8	0.1	0.0	2.3	2.3
Estonia	1.9	5.6	4.2	10.4	.	.	.	.
Hungary	14.3	30.5	7.6	10.2	1.4	1.9	2.4 ²	2.7
Latvia	2.2	10.8	12.4	16.8	.	.	6.1	3.6
Lithuania	4.2	18.1	8.1	12.9	.	.	2.3	2.7
Malta	0.5 ²	0.3	-	-	.	.	.	.
Poland	56.5	128.3	67.4	53.6	0.9	0.3	15.3	25.6
Slovak Republic	15.9	22.2	12.0	10.0	0.1	0.1	6.1	5.6
Slovenia	3.5 ²	12.1	2.6	3.4	.	.	.	.
Bulgaria	.	13.8	7.5	5.4	0.5	0.8	0.4	0.4
Romania	19.7	57.3	24.3	15.8	3.8	8.2	2.7	2.0
Norway	9.7	19.4	2.8	3.3	.	.	5.1	4.6
Switzerland	11.4	10.7	7.9	12.4	0.1	0.0	1.2	0.3
Japan	306.0	334.9 ³	25.0	22.8 ³	..	..	..	..
USA	1,550.4	1,888.2 ³	2,010.5	2,531.3 ³	518.5	476.4 ³	904.0	835.1 ³

1 Freight moved by vehicles registered in the country on national and international territory.

2 Estimated

3 2005 Data

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The figures in this table are outside

the scope of UK National Statistics

Source - EU Energy and Transport in Figures (EUROSTAT)

Ministry of Land, Infrastructure and Transport, Japan

Transport Statistics Great Britain 2008

10.6 Passenger transport by national vehicles on national territory: 1995 and 2005

Billion passenger kilometres								
	Cars		Buses and coaches		Rail excluding metro systems		Total of these modes	
	1995	2005	1995	2005	1995	2005	1995	2005
Great Britain	618.0	674.0	44.3	49.0	30.0	43.2	692.3	766.2
Austria	62.2	70.6	8.7	9.3	10.1	9.1	81.0	89.0
Belgium	98.2	108.9	13.1	17.5	6.8	9.2	118.1	135.6
Denmark	48.7	52.7	7.3	7.4	4.9	5.9	60.9	66.0
Finland	50.0	61.9	8.0	7.5	3.2	3.5	61.2	72.9
France	640.1	727.4	41.6	43.9	55.6	76.5	737.3	847.8
Germany	815.3	856.9	68.5	67.1	71.0	76.8	954.8	1,000.8
Greece	44.0	85.0	20.2	21.7	1.6	1.9	65.8	108.6
Irish Republic	15.5	26.0	5.2	6.7	1.3	1.8	22.0	34.5
Italy	614.7	689.0	87.1	101.2	43.9	46.1	745.7	836.3
Luxembourg	4.7	6.3	0.5	0.8	0.3	0.3	5.5	7.4
Netherlands	131.4	148.8	12.0	11.8	16.4	14.7	159.8	175.3
Portugal	40.9	70.0	11.3	11.0	4.8	3.8	57.0	84.8
Spain	250.4	337.8	39.6	53.2	16.6	21.6	306.6	412.6
Sweden	86.8	97.3	9.7	8.8	6.8	8.9	103.3	115.0
Cyprus	3.4	4.8	1.0	1.3	-	-	4.4 ¹	6.1
Czech Republic	54.5	68.6	18.6	15.6	8.0	637.0	81.1	721.2
Estonia	6.3	10.2	2.0	2.7	0.4	0.2	8.7	13.1
Hungary	45.4	46.6	16.6	17.8	8.4	9.9	70.4	74.3
Latvia	7.5	14.0	1.8	2.9	1.4	0.9	10.7	17.8
Lithuania	16.0	34.8	4.2	3.7	1.1	0.4	21.3	38.9
Malta	1.7	2.0	0.4	0.5	-	-	2.1	2.5
Poland	110.7	197.3	34.0	29.3	26.6	17.9	171.3	244.5
Slovak Republic	18.0	25.8	14.4	8.5	4.2	2.2	36.6	36.5
Slovenia	16.3	22.5	2.5	0.9	0.6	0.8	19.4	24.2
Norway	44.7	53.0	3.8	4.3	2.4	2.7	50.9	60.0
Switzerland	75.5	83.3	5.5	5.7	11.7	16.1	92.7	105.1
Japan	640.0	751.0	100.0	86.0	396.0	385.0	1,136.0	1,222.0
USA	5,702.0 ¹	7,253.5 ¹	219.0	226.8	17.0	23.1 ²	5,938.0	7,503.4

¹ Including light trucks/vans.

² 2004 data.

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The figures in this table are outside the scope of UK National Statistics
 Source - EU Energy and Transport in Figures (EUROSTAT)
 Ministry of Internal Affairs and Communications, Japan

10.7 Carbon dioxide emissions from transport: by source: 1996 and 2006

	Million tonnes of carbon dioxide															
	Road transport						All domestic transport ¹						Memo items ³			
	1996		2006		1996		2006		1996		2006		1996		2006	
European Union	115.4	120.5	1.7	2.2	1.4	2.3	4.0	5.5	122.8	131.0	571.3	557.9	21.4	35.6	7.3	6.8
United Kingdom ⁴	15.6	21.9	0.1	0.1	0.1	0.2	0.1	0.1	16.1	22.8	67.4	77.3	1.5	1.8	..	..
Austria	21.6	24.4	0.2	0.1	-	-	0.4	0.5	22.4	25.2	128.0	119.1	3.3	3.7	15.9	27.3
Belgium	10.8	12.6	0.3	0.2	0.2	0.1	0.8	0.5	12.1	13.4	74.6	58.2	2.0	2.6	4.8	3.4
Denmark	10.2	11.9	0.2	0.1	0.3	0.3	0.5	0.6	11.8	13.7	64.0	68.1	1.0	1.4	1.2	1.8
Finland	121.5	130.1	0.8	0.6	5.6	4.8	1.8	3.0	130.2	139.1	405.4	408.7	11.4	16.8	7.6	9.3
France	165.1	148.9	2.3	1.3	3.6	5.3	1.6	0.9	176.7	160.6	943.3	880.3	14.4	21.2	6.5	8.6
Germany	14.5	19.8	0.1	0.1	0.9	1.1	1.5	2.3	17.0	23.4	89.3	109.7	2.5	2.9	9.9	9.8
Greece	6.7	13.1	0.1	0.1	0.1	0.1	0.1	-	7.1	13.5	37.1	47.3	1.0	2.8	0.5	0.4
Irish Republic	104.5	118.3	0.4	0.3	1.9	2.8	5.7	6.1	113.2	128.5	439.3	488.0	6.0	9.2	2.9	6.5
Italy	3.5	7.0	-	-	-	-	-	-	3.5	7.0	9.4	12.1	0.6	1.2	..	..
Luxembourg	29.4	34.9	0.1	0.1	-	-	0.4	0.6	29.9	35.6	177.7	172.2	8.1	11.0	36.2	56.2
Netherlands	13.1	18.5	0.2	0.1	0.3	0.4	0.2	0.2	13.7	19.3	50.3	64.0	1.5	2.3	1.2	1.7
Portugal	64.3	95.1	0.3	0.3	3.8	7.2	1.6	2.8	70.1	105.6	243.0	359.6	6.6	10.0	14.7	26.2
Spain	17.1	18.5	0.1	0.1	0.6	0.6	0.3	0.5	18.3	20.0	61.6	51.5	1.5	2.0	3.7	7.1
Sweden	5.3	7.6	0.1	0.1	0.2	0.1	-	-	6.6	8.6	65.0	55.1	0.5	0.5	0.7	0.3
Bulgaria	..	..	..	..	..	..	..	..	..	..	6.0	8.0	..	..	..	..
Cyprus	9.7	17.1	0.3	0.3	0.1	-	-	-	10.5	17.5	138.4	127.9	0.5	1.1	..	..
Czech Republic	1.4	2.1	0.1	0.1	-	-	-	-	1.7	2.4	18.7	16.0	-	0.1	0.3	0.7
Estonia	6.5	12.1	0.3	0.2	..	..	-	-	6.8	12.3	63.4	60.4	0.6	0.7	..	..
Hungary	1.7	3.1	0.2	0.2	-	-	-	-	2.0	3.3	9.2	8.3	0.1	0.2	0.3	0.6
Latvia	3.0	4.2	0.3	0.2	-	-	-	-	3.3	4.4	15.8	14.5	0.1	0.2	0.4	0.4
Lithuania	..	..	..	..	..	..	..	..	..	..	2.0	3.0	..	..	..	..
Malta	29.3	36.2	0.7	0.5	0.1	0.1	0.1	-	31.7	37.4	374.9	330.5	1.1	1.2	0.7	0.9
Poland	10.2	12.0	0.9	0.2	-	-	0.1	-	11.2	12.3	135.4	111.0	0.3	0.4	0.4	0.1
Romania	4.1	5.7	0.2	0.1	-	-	..	..	4.3	5.8	42.4	40.0	0.1	0.1	..	-
Slovak Republic	4.2	4.6	-	-	-	-	..	..	4.2	4.6	15.7	16.9	0.1	0.1	..	0.1
Slovenia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

1 Includes a small amount of emissions from other transport sources.

2 The Land Use, Land Use Change and Forestry (LULUCF) category has been excluded from the totals, because treatment of this category can differ between countries.

3 Categories not included in the national emissions total.

4 Figures for the UK are slightly higher than those in Table 3.8(a) due to the inclusion of emissions from Overseas Territories.

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The figures in this table are outside the scope of UK National Statistics
Source - UNFCCC

Transport Statistics Great Britain 2008

10.8 (a) Petrol and diesel in the European Union: current retail prices: 1997-2007

Premium unleaded petrol (95 RON): per 100 litres										US Dollars	
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
United Kingdom	101	108	113	121	110	110	125	147	158	168	188
Austria	97	90	87	87	81	82	99	118	130	137	154
Belgium	104	96	96	97	90	92	115	142	142	170	190
Denmark ¹	101	96	102	103	99	104	125	140	140	161	179
Germany	96	91	93	94	91	99	123	141	152	159	182
Finland	106	104	106	105	99	101	124	146	142	162	178
France	106	102	101	101	93	96	115	132	145	155	174
Greece	78	70	69	72	67	69	84	101	109 ^R	121 ^P	138
Irish Republic	89	84	80	82	80	81	98	118	129	140	153
Italy	107	101	102	100	94	99	120	140	152	161	178
Luxembourg	76	71	74	76	72	73	88	112	127	136	154
Netherlands	109	107	107	107	103	113	131	161	168	178	200
Portugal	93	90	86	80	81	83	109	128	142	164	181
Spain	79	74	75	76	73	77	92	108	119	128	142
Sweden	108	101	101	104	91	96	116	136	147	156	172
Lead replacement petrol ^{2,3} : per 100 litres											
United Kingdom	110	118	125	130	115	115	131	155	..	..	..
Austria	..	..	..	..	..	..	..	..	..	..	..
Belgium	112	105	103	101	97	99	..	..	..	..	..
Denmark	..	..	..	..	..	..	..	..	..	..	..
Germany	..	..	..	..	..	..	..	..	..	..	..
Finland	..	..	..	..	..	..	..	..	..	..	..
France	110	107	106	108	100	103	124	142	..	..	..
Greece	84	75	75	76	71	74	89	108	117 ^R	128 ^P	..
Irish Republic	98	98	95	96	..	..	..	..	..	..	..
Italy	113	107	107	104	98	..	..	..	..	..	..
Luxembourg	85	80	..	..	..	..	..	..	..	..	..
Netherlands	..	..	..	..	..	..	..	..	..	..	..
Portugal	96	93	89	..	..	..	..	..	..	..	..
Spain	82	78	79	81	77	82	100	117	130	140	..
Sweden	121	106	105	107	..	..	..	..	..	..	..
Diesel: per 100 litres											
United Kingdom	102	109	117	123	112	113	128	150	165	175	194
Austria	77	70	68	72	67	68	82	101	119	127	142
Belgium	75	69	68	75	70	68	84	109	109	135	150
Denmark	79	77	80	88	84	86	103	114	114	138	152
Germany	72	65	68	94	73	79	100	116	133	140	160
Finland	73	69	73	78	73	74	91	103	105	128	139
France	76	72	73	78	72	73	90	110	128	135	149
Greece	59	51	56	62	56	59	72	92	109 ^R	119 ^P	135
Irish Republic	85	79	75	78	73	73	91	110	129	137	148
Italy	85	79	81	82	78	81	99	117	138	146	159
Luxembourg	62	57	58	64	59	60	72	86	105	115	128
Netherlands	77	72	74	78	73	74	90	110	127	136	150
Portugal	64	59	58	60	60	61	80	98	116	133	150
Spain	87	79	60	64	62	65	78	94	111	119	131
Sweden	89	84	81	92	84	86	100	116	139	151	163

10.8 (b) Petrol and diesel in the European Union: Tax as a percentage of retail prices: 1997-2007

Premium unleaded petrol (95 RON)											Percentage
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
United Kingdom	77	81	81	75	76	77	76	74	69	67	67
Austria	65	68	68	61	63	64	64	62	57	56	57
Belgium	73	76	74	66	67	69	67	66	66	61	61
Denmark ¹	70	72	73	67	68	70	70	68	68	62	61
Germany	72	75	74	69	72	73	74	71	67	65	65
Finland	75	78	74	67	68	70	72	68	70	64	64
France	78	81	79	70	71	74	74	72	67	64	64
Greece	65	67	63	53	55	56	55	52	49 ^R	47 ^P	50
Irish Republic	67	68	68	59	56	64	64	64	60	57	57
Italy	72	75	73	65	66	68	68	66	63	61	60
Luxembourg	62	66	64	56	58	59	59	60	56	54	54
Netherlands	72	75	73	66	69	68	71	67	66	64	63
Portugal	70	73	68	49	46	69	68	67	63	60	61
Spain	65	69	67	59	59	62	62	59	55	53	52
Sweden	73	76	73	67	68	70	70	68	65	63	63
Lead replacement petrol ^{2,3}											
United Kingdom	80	83	81	74	76	78	76	72	..	..	..
Austria	..	..	..	..	..	..	..	..	..	..	..
Belgium	74	77	76	64	64	67	..	..	..	..	..
Denmark	..	..	..	..	..	..	..	..	..	..	..
Germany	..	..	..	..	..	..	..	..	..	..	..
Finland	..	..	..	..	..	..	..	..	..	..	..
France	80	83	81	70	72	74	75	72	..	..	..
Greece	69	70	67	56	58	58	58	54	51 ^R	48 ^P	..
Irish Republic	67	70	69	61	..	..	..	..	..	..	..
Italy	74	76	74	66	68	..	..	..	..	..	..
Luxembourg	66	69	..	..	..	..	..	..	..	..	..
Netherlands	..	..	..	..	..	..	..	..	..	..	..
Portugal	73	74	67	..	..	..	..	..	..	..	..
Spain	68	71	69	60	60	63	62	59	55	52	..
Sweden	78	81	78	72	..	..	..	..	..	..	..
Diesel											
United Kingdom	77	82	81	74	74	76	74	72	67	65	65
Austria	58	63	62	54	55	57	57	55	50	50	52
Belgium	61	64	63	53	54	59	58	55	55	48	47
Denmark	64	64	61	56	59	60	61	60	60	53	53
Germany	63	68	67	61	63	66	67	64	58	56	56
Finland	62	67	63	54	55	57	58	56	56	49	49
France	70	75	73	62	64	66	66	64	57	55	56
Greece	62	65	64	52	54	55	54	48	43	42 ^P	44
Irish Republic	63	64	64	55	48	57	58	59	53	51	51
Italy	68	71	70	60	61	64	63	60	54	52	53
Luxembourg	59	63	60	50	52	53	53	50	44	43	44
Netherlands	63	67	65	56	57	59	59	57	52	50	50
Portugal	61	64	63	52	51	57	57	55	50	49	50
Spain	60	64	62	53	54	56	56	53	47	45	45
Sweden	60	62	60	55	55	57	59	59	55	53	54

1 Regular unleaded (92 RON) prices have been used from 2000 to date.

2 Refers to Four star petrol in earlier years.

3 The sale of Lead Replacement Petrol has been discontinued in most EU Countries

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The figures in this table are outside the scope of UK National Statistics
Source - Department for Business, Enterprise and Regulatory Reform

Transport Statistics Great Britain 2008

10.9 Principal trading fleets by type of vessel and flag at mid year: 1997 and 2007

	Gross tonnage (million)									
	All trading ships of 100 gross tons and over		of which:							
	1997	2007	Tankers		Bulk carriers		Container ships		General cargo	
	1997	2007	1997	2007	1997	2007	1997	2007	1997	2007
United Kingdom and Crown Dependencies	7.1	20.1	3.4	7.5	0.8	2.9	1.1	6.0	0.6	2.1
Denmark	5.3	8.9	1.5	2.1	0.5	0.3	2.1	5.5	0.7	0.5
France	4.1	5.8	2.4	3.1	0.4	0.2	0.5	1.6	0.3	0.1
Germany	5.5	12.1	0.2	0.6	0.0	0.2	4.1	10.8	0.9	0.3
Greece	26.5	33.6	13.5	19.6	9.9	10.0	0.9	2.3	1.1	0.4
Italy	6.1	12.6	2.3	3.7	1.5	2.1	0.4	1.2	0.8	2.4
Netherlands	4.5	6.3	0.9	0.5	0.2	0.2	1.1	1.4	1.7	3.0
Bahamas	24.5	40.6	12.1	18.8	4.4	7.7	1.0	1.9	5.7	6.4
Bermuda	4.0	8.3	2.3	3.7	0.9	1.8	0.5	0.8	0.2	0.2
China	15.5	22.6	2.2	4.6	6.5	9.6	1.4	3.2	5.2	4.8
Cyprus	23.5	19.3	4.0	4.1	12.3	9.5	1.7	3.4	4.9	1.9
Hong Kong	6.8	34.6	0.3	8.2	4.9	18.0	0.9	6.3	0.7	2.1
India	6.6	8.4	2.9	5.3	3.0	2.5	0.1	0.1	0.6	0.4
Japan	17.6	11.5	8.0	5.5	4.6	2.4	1.0	0.4	2.4	2.0
Liberia	59.1	71.9	32.1	34.5	17.3	12.5	3.8	21.2	4.3	3.7
Malaysia	4.5	6.4	1.9	4.8	1.3	0.4	0.5	0.7	0.8	0.5
Malta	20.6	25.2	8.3	7.9	8.0	12.2	0.6	1.3	3.4	3.4
Marshall Islands	6.1	33.8	3.4	20.8	1.6	7.5	1.0	3.9	0.1	1.4
Norway	21.7	16.7	12.9	9.0	4.1	2.5	0.1	0.2	3.7	4.2
Panama	86.1	160.2	25.4	41.1	36.6	69.5	8.6	25.6	14.1	21.1
Philippines	8.9	4.8	0.2	0.4	6.3	2.5	0.2	0.2	1.9	1.3
Russia	8.3	5.1	1.7	1.3	1.6	0.6	0.3	0.1	4.5	2.9
St Vincent and the Grenadines	7.7	5.6	1.4	0.3	3.1	2.3	0.1	0.1	2.9	2.8
Singapore	16.6	32.9	7.2	17.4	4.3	6.8	2.5	5.5	2.5	3.2
South Korea	7.0	10.5	0.6	1.5	3.7	6.4	1.7	1.2	1.0	1.2
Taiwan	6.1	2.6	1.0	0.8	2.6	1.2	2.4	0.4	0.2	0.1
Turkey	6.5	4.9	0.8	0.9	4.3	2.1	0.0	0.3	1.2	1.4
USA	12.2	10.4	5.5	2.6	1.3	1.2	2.7	3.1	2.6	2.8
World total ¹	492.2	716.4	177.9	256.7	160.9	210.3	44.8	117.8	90.3	101.4

¹ Including other trading fleets not listed.

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The figures in this table are outside the scope of UK National Statistics
Source - Lloyds Register - Fairplay

10.10 Selected outputs of airlines: 1997 and 2007

State of airline registration	Scheduled services						Non-scheduled services			
	International and domestic traffic									
	Aircraft kilometres flown (million)		Freight ¹ tonne-kilometres flown (billion)		Passenger kilometres flown (billion)		International passenger kilometres flown (billion)		International and domestic passenger kilometres flown (billion)	
	1997	2007	1997	2007	1997	2007	1997	2007	1997	2007
United Kingdom ²	809	1,474	4.6	6.3	136.4	227.7	129.7	218.3	76.8	86.5
Austria	118	160	0.2	0.5	10.1	17.4	10.0	17.3	2.1	2.6
Belgium	122	124	0.3	0.8	11.3	7.8	11.3	7.8	0	0
Denmark	93	110	0	-	8.1	15.5	7.3	12.1	2.2	5.3
Finland	92	140	0.3	0.5	9.6	16.4	8.5	15.5	2.3	4.6
France	619	996	5.1	6.4	84.7	151.3	55.2	129.4	3.6	4.8
Germany	674	1,486	6.2	8.5	84.7	214.9	79.1	205.2	57.6	10.5
Greece	68	93	0.1	0.1	9.3	9.7	8.0	7.7	-	0.8
Irish Republic	44	436	0.1	0.1	7.3	64.2	7.2	64.2	0.1	-
Italy	339	440	1.4	1.6	38.0	52.3	29.3	39.1	2.6	8.8
Luxembourg	39	97	2.3	5.5	0.3	0.7	0.3	0.7	0.4	0.7
Netherlands	375	521	3.9	5.0	66.7	90.9	66.6	90.9	0.1	5.4
Portugal	107	199	0.3	0.3	10.5	21.4	9.0	18.9	0.6	2.0
Spain	305	639	0.7	1.2	37.2	88.4	23.6	62.4	16.5	14.0
Sweden	93	99	0.0	0.0	7.3	14.1	4.6	7.6	0.4	8.5
Bulgaria	23	18 0	0	0	1.8	1.4	1.8	1.4	0.2	0.4
Cyprus	20	34 0	-	0.1	2.7	4.5	2.7	4.5	-	0.2
Czech Republic	29	73 0	-	-	2.4	6.3	2.4	6.3	0.5	4.0
Estonia	5	10 0	0	0	0.2	0.8	0.2	0.8	0.1	0.3
Hungary	28	58 0	0	-	2.3	4.4	2.3	4.4	0.4	0.4
Latvia	6	26 0	0	-	0.2	1.5	0.2	1.5	0.1	0.5
Lithuania	9	13 0	0	0	0.3	0.6	0.3	0.6	0.1	0.9
Malta	20	27 0	-	-	1.7	2.7	1.7	2.7	0.6	0.3
Poland	45	92 0	0.1	0.1	4.2	7.3	4.1	7.0	0.5	0.1
Romania	24	51 0	0	0	1.7	3.7	1.6	3.6	0.2	0.3
Slovak Republic	2	25 0	0	0.1	0.1	2.9	0.1	2.9	0.1	1.2
Slovenia	0	18 0	0	0	0	0.9	0	0.9	0	0.3
Norway	115	121	0	-	9.1	17.5	5.0	8.3	0.7	4.3
Switzerland	239	178	1.8	1.1	26.5	25.2	26.2	25.0	8.0	4.5
Japan	777	862	7.5	8.4	151.1	147.6	84.1	77.5	0.4	1.9
USA	9,005	12,456	25.5	40.5	965.6	1,312.1	267.8	376.0	18.8	18.2
Russian Federation	480	868	0.8	2.2	49.3	82.3	18.1	34.7	7.3	28.6

1 Excludes mail.

2 Source - UK Civil Aviation Authority (CAA).

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The figures in this table are outside the scope of UK National Statistics

Source - International Civil Aviation Organisation (ICAO)

Transport Statistics Great Britain 2008

10.11 International comparisons of road deaths for selected OECD countries: 1996-2007¹

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007 ²	Rate of road deaths in 2007 per 100,000 population ³
Great Britain	3,598	3,599	3,421	3,423	3,409	3,450	3,431	3,508	3,221	3,201	3,172	2,946	5.0
Northern Ireland	142	144	160	141	171	148	150	150	147	135	126	113	6.4
United Kingdom	3,740	3,743	3,581	3,564	3,580	3,598	3,581	3,658	3,368	3,336	3,298	3,059	5.0
Austria	1,027	1,105	963	1,079	976	958	956	931	878	768	730	691	8.3
Belgium	1,356	1,364	1,500	1,397	1,470	1,486	1,306	1,214	1,162	1,089	1,069	1,103	10.1
Denmark	514	489	499	514	498	431	463	432	369	331	306	407	7.5
Finland	404	438	400	431	396	433	415	379	375	379	336	382	7.1
France	8,541	8,444	8,918	8,487	8,079	8,160	7,655	6,058	5,530	5,318	4,709	4,620	7.3
Germany	8,758	8,549	7,792	7,772	7,503	6,977	6,842	6,613	5,842	5,361	5,091	4,949	6.0
Greece	2,157	2,105	2,182	2,116	2,037	1,880	1,634	1,605	1,670	1,658	1,657	1,580	14.4
Irish Republic	453	472	458	413	415	411	376	337	374	399	365	338	7.8
Italy	6,688	6,724	6,849	6,688 ⁴	7,061 ⁴	7,096 ⁴	6,980 ⁴	6,563 ⁴	6,122 ⁴	5,818 ⁴	5,669	5,215	8.8
Luxembourg	71	60	57	58	76	70	62	53	50	45	36	43	9.0
Netherlands	1,180	1,163	1,066	1,090	1,082	993	987	1,028	804	750	730	709	4.3
Portugal	2,394	2,210	2,126	1,995	1,860	1,671	1,675	1,546	1,294	1,247	969	974	9.2
Spain	5,483	5,604	5,957	5,738	5,776	5,517	5,347	5,400	4,749	4,442	4,104	3,821	8.6
Sweden	537	541	531	580	591	554	532	529	480	440	445	471	5.2
Bulgaria	..	..	..	..	..	1,011	959	960	943	957	1,043	1,006	13.1
Cyprus	128	115	111	113	111	98	94	97	117	102	86	89	11.4
Czech Republic	1,568	1,597	1,360	1,455	1,486	1,334	1,431	1,447	1,382	1,286	1,063	1,222	11.9
Estonia	213	280	284	232	204	199	223	164	170	169	204	196	14.6
Hungary	1,370	1,391	1,371	1,306	1,200	1,239	1,429	1,326	1,296	1,278	1,303	1,232	12.2
Latvia	550	525	627	604	588	558	559	532	516	442	407	419	18.4
Lithuania	667	725	829	748	641	706	697	709	752	773	759	739	21.8
Malta	19	18	17	4	15	16	16	16	13	17	11	14	3.4
Poland	6,359	7,310	7,080	6,730	6,294	5,534	5,827	5,640	5,712	5,444	5,243	5,583	14.6
Romania	..	..	..	..	..	2,461	2,398	2,235	2,418	2,461	2,478	2,791	12.9
Slovakia	616	788	819	647	628	614	610	645	603	560	579	627	11.6
Slovenia	389	357	309	334	313	278	269	242	274	258	263	293	14.6
Norway	255	303	352	304	341	275	312	282	259	224	242	233	5.0
Switzerland	616	587	597	583	592	554	513	546	510	409	370	384	5.1
Australia	1,970	1,768	1,755	1,758	1,817	1,737	1,715	1,621	1,590	1,637	1,598	1,617	7.7
Canada	3,091	3,064	2,934	2,972	2,927	2,779	2,931	2,766	2,725	2,925	2,892	2,847	8.4
Iceland	10	15	27	21	32	24	29	23	23	19	31	15	4.9
Japan	11,674	11,254	10,805	10,372	10,403	10,060	9,575	8,877	8,492	7,931	7,272	6,639	5.2
New Zealand	514	540	502	509	462	455	404	461	436	405	391	422	10.0
Republic of Korea	14,551	13,343	10,416	10,756	10,236	8,097	7,222	7,212	6,563	6,376	6,327	6,166	12.7
USA	42,065	42,013	41,501	41,717	41,945	42,116	42,815	42,643	42,636	43,443	42,708	41,059	13.7

1 In accordance with the commonly agreed international definition, most countries define a fatality as one being due to a road accident where death occurs within 30 days of the accident. The official road accident statistics of some countries however, limit the fatalities to those occurring within shorter periods after the accident. Numbers of deaths and death rates in the above table have been adjusted according to the factors used by the Economic Commission for Europe and International Transport Forum, to represent standardised 30-day deaths: Italy (7 days) +8%; France (6 days) +5.7%; Portugal (1 day) +14%; Republic of Korea (3 days) +15%.

2 Provisional data

3 Population taken from the OECD's International Road and Traffic Accidents Database and EU Pocket Book and may differ from the figures in Tables 10.1 and 10.4.

4 Figures revised since publication of the TSGB 2007 bulletin.

020-7944 6595
Source - OECD, EUROSTAT,
IRTAD and ITF