

## Preface

Statistics Denmark - in collaboration with the Danish Ministry of Transport - hereby issues *Key figures for transport 1999*. The publication is part of the collaborative agreement between Statistics Denmark and the Ministry of Transport to enhance and improve the statistical coverage of the transport sector. As part of the collaborative agreement the Ministry of Transport has funded the preparation of the publication. A correspondent publication was published for 1998.

The aim of the publication is to provide a summary description of the structure and development of the conveyance of goods and passengers using tables and figures. As a general rule, the reference period is the 3 most recent years and 1 year 10 years back.

*Key figures for transport 1999* contains 16 pages with tables and figures and a text section at the end of the publication, including definitions, remarks and sources used for each table.

*Key figures for transport 1999* is also accessible from the web sites of Statistics Denmark (<http://www.dst.dk>) and the Ministry of Transport (<http://www.trm.dk>).

Further information may for some areas be obtained from the publication *Statistiske efterretninger* appearing in the series *Transport*.

Inquiries can be made to Statistics Denmark, Lene M. Johansen, on phone + 45 39 17 33 63, [lmj@dst.dk](mailto:lmj@dst.dk)



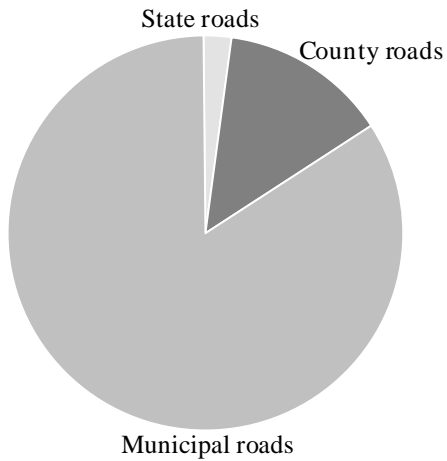
## List of contents

1. The infrastructure .....	4
2. Investments in the infrastructure .....	5
3. Private cars, buses and motorcycles.....	6
4. Goods motor vehicles.....	7
5. Rolling stock .....	8
6. Danish ships over 20 GT .....	9
7. Traffic performance: roads, railways, ports and airports .....	10
8. Passenger transport.....	11
9. National transport of goods by trucks over 6 tons total permissible weight .....	12
10. International transport of goods by Danish trucks over 6 tons total permissible weight .....	13
11. Goods transport by train, ship and aircraft .....	14
12. Road traffic accidents .....	15
13. Consumer prices and indirect taxes.....	16
14. Energy consumption of the transport sector and NO <sub>2</sub> and particles in the air.....	17
15. Employment in the transport sector.....	18
16. Gross value added in the transport sector .....	19
17. Definitions, remarks and sources.....	20

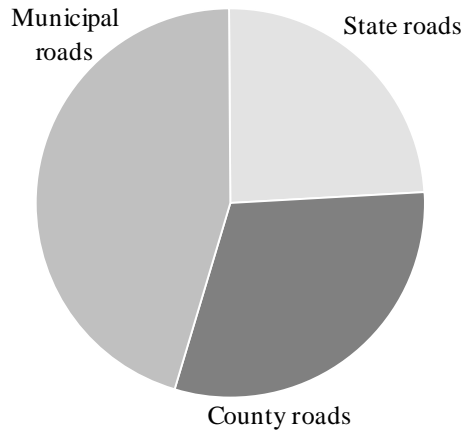
### 1. The infrastructure on 1 January

	1989	1997	1998	1999
	— km —			
<b>Road network, total</b>	<b>70 666</b>	<b>71 336</b>	<b>71 437</b>	<b>71 462</b>
State roads	4 557	4 576	1 623	1 619
Of which motorways	599	832	855	861
County roads	7 085	7 050	9 953	9 961
Municipal roads	59 024	59 710	59 861	59 882
Bicycle paths alongside state roads	1 111	1 169	295	299
<b>Rail network length, total</b>	<b>2 837</b>	<b>2 844</b>	<b>2 743</b>	<b>2 760</b>
Of which electrified	323	577	600	617
Of which private railways	493	495	495	495
	— no. —			
Stations, goods terminals	302	308	308	311
Sea ports	150	139	138	134
Airports	28	26	26	25

Road network. 1 January 1999



Traffic performance. 1998

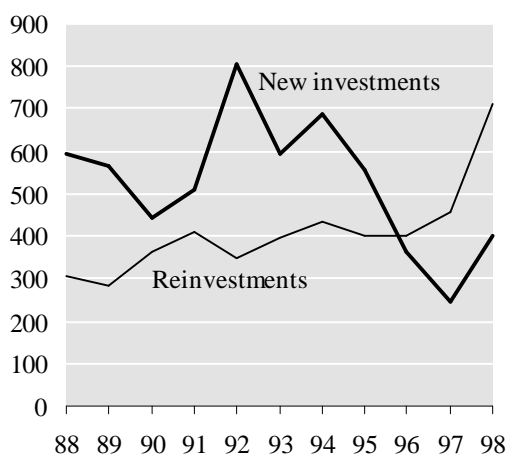


## 2. Investments in the infrastructure

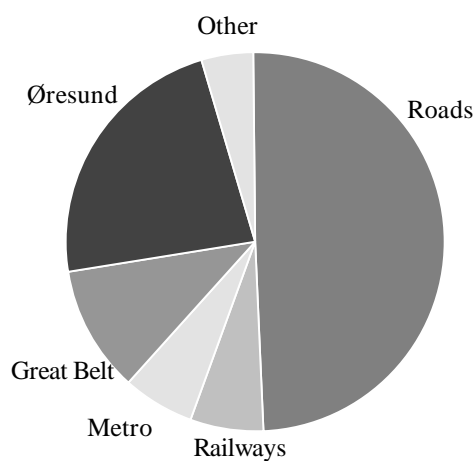
	1988	1996	1997	1998
	current prices, mio. DKK			
<b>Road network</b>	<b>5 181</b>	<b>7 386</b>	<b>6 768</b>	<b>7 082</b>
Capital costs	1 866	3 006	2 990	2 908
Current exp., maintenance	3 315	4 380	3 778	4 174
<b>Rail network</b>	<b>811</b>	<b>905</b>	<b>854</b>	<b>1 399</b>
New investments	534	430	297	505
Reinvestments	278	475	558	894
<b>Private railways</b>	<b>91</b>	<b>46</b>	<b>51</b>	<b>23</b>
<b>Sea ports</b>				
Facilities	...	275	215	...
Buildings	...	119	81	...
<b>Airports</b>				
Facilities	...	114	143	...
Buildings	...	41	108	...
<b>The Great Belt Link</b>	<b>444</b>	<b>2 675</b>	<b>1 479</b>	<b>825</b>
<b>The Øresund Link</b>	<b>-</b>	<b>3 502</b>	<b>3 223</b>	<b>2 500</b>
Of which landworks	-	1 842	1 182	205
<b>The Copenhagen Metro</b>	<b>-</b>	<b>375</b>	<b>840</b>	<b>1 050</b>

Investments in the rail network, 1990 prices.  
1988-98

DKK mio.



Investments in the infrastructure. 1997

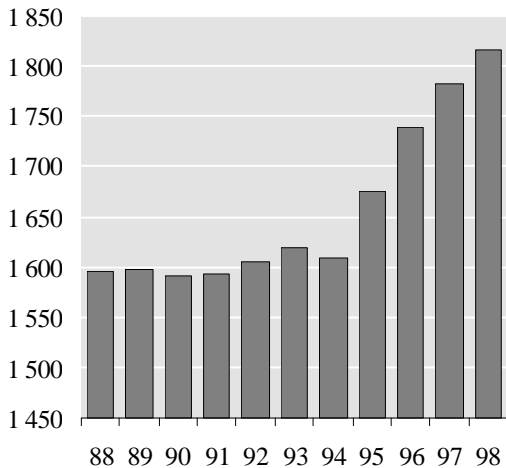


### 3. Private cars, buses and motorcycles

	1988	1996	1997	1998
	no.			
<b>Stock on 31 december</b>				
<b>Private cars, total</b>	<b>1 595 834</b>	<b>1 738 854</b>	<b>1 783 098</b>	<b>1 817 147</b>
Of which in households	...	1 618 607	1 662 324	1 694 323
Of which in firms	...	96 191	101 376	107 780
Petrol-powered cars	1 519 359	1 658 987	1 702 543	1 733 602
Diesel-powered cars	71 340	79 440	80 207	83 240
Taxis	6 528	5 891	5 889	5 936
Under 800 kg net weight	580 496	389 350	354 097	313 886
801-1 200 kg net weight	915 162	1 167 550	1 214 340	1 249 841
Over 1 200 kg net weight	100 176	181 954	214 661	253 420
Average age, years	...	8,2	8,1	7,8
<b>Buses, total</b>	<b>8 093</b>	<b>13 786</b>	<b>13 779</b>	<b>13 911</b>
Scheduled bus services	5 066	4 410	4 469	4 571
Tourist and other buses	3 027	9 376	9 310	9 340
Caravans	87 861	99 931	102 302	104 852
Motorcycles	42 450	55 607	59 889	64 013
45-mopeds	-	18 243	33 986	48 107
<b>Registrations of vehicles</b>				
Private cars	88 770	142 175	152 819	162 635
Buses	487	879	665	891
Motorcycles	2 427	2 989	3 237	3 375

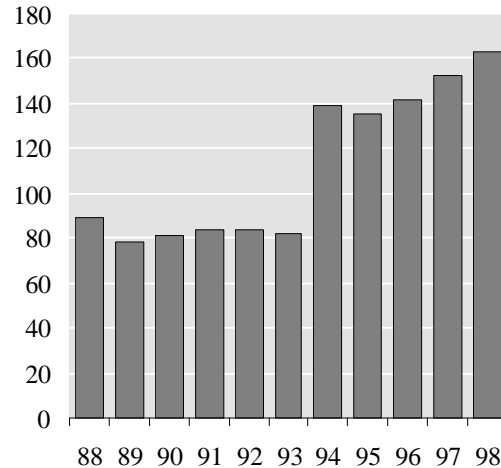
**Private cars, total. 1988-98**

1 000 cars



**Registrations of private cars. 1988-98**

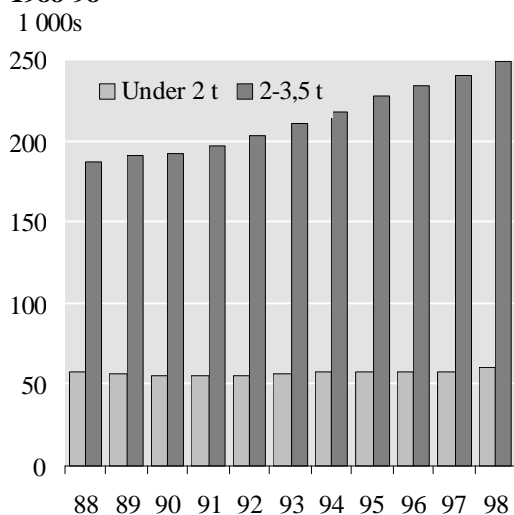
1 000 cars



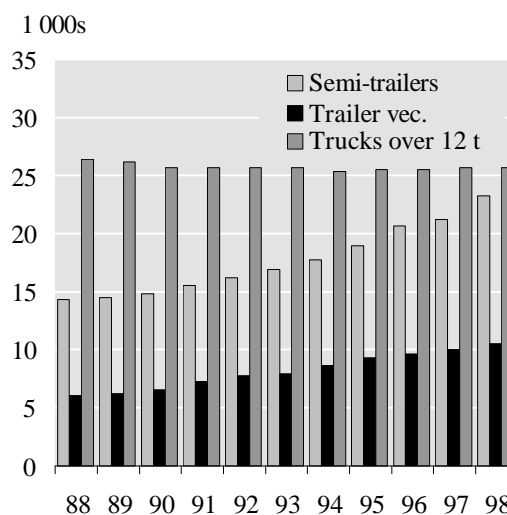
#### 4. Goods motor vehicles

	1988	1996	1997	1998
	no.			
<b>Stock on 31 december</b>				
<b>Vans, total</b>	<b>245 479</b>	<b>292 537</b>	<b>298 144</b>	<b>308 872</b>
Under 2 000 kg total weight	58 294	58 047	57 863	59 970
2 001-3 500 kg total weight	187 185	234 490	240 281	248 902
<b>Trucks, total</b>	<b>47 027</b>	<b>37 727</b>	<b>37 867</b>	<b>38 264</b>
3 501-6 000 kg total weight	5 959	4 808	4 760	5 055
6 001-12 000 kg total weight	8 771	7 460	7 431	7 459
Over 12 000 kg total weight	32 297	25 459	25 676	25 750
Articulated trailer vehicles	5 964	9 633	9 961	10 497
Trailers over 5 000 kg total weight	10 912	12 487	12 622	12 848
Semi-trailers	14 233	20 701	21 222	23 211
<b>First-time registrations</b>				
<b>Vans</b>	<b>17 981</b>	<b>26 388</b>	<b>29 658</b>	<b>28 447</b>
Under 2 000 kg total weight	3 947	3 828	3 332	2 241
2 001-3 500 kg total weight	14 034	22 560	26 326	26 206
<b>Trucks, including articulated trailer vehicles</b>	<b>4 200</b>	<b>5 014</b>	<b>5 146</b>	<b>5 783</b>
Articulated trailer vehicles	...	1 896	1 846	2 228

**Vans by total permissible weight. 1988-98**



**Trucks by total permissible weight. 1988-98**

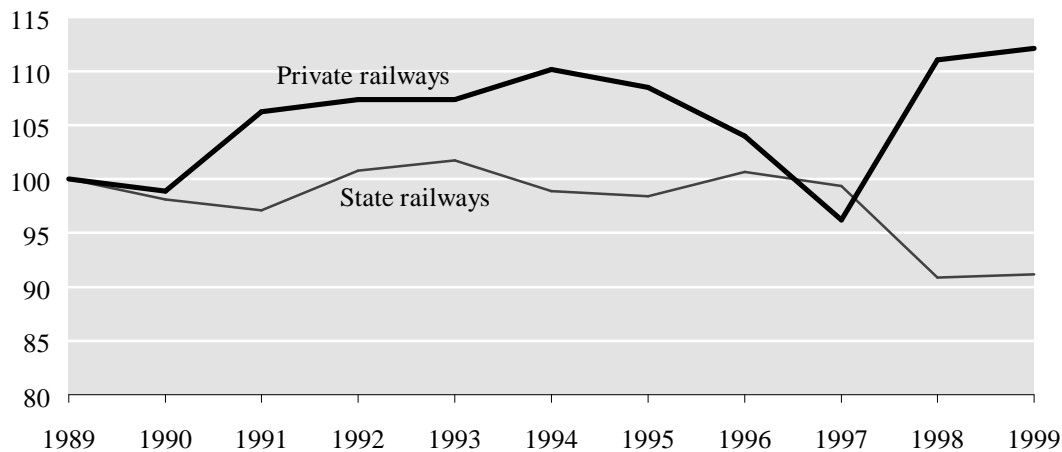


### 5. Rolling stock on 1 January

	1989	1997	1998	1999
	no.			
<b>DSB (State railways)</b>				
Multiple train units	121	238	240	245
Of which IC3	-	89	89	92
Metropolitan trains	598	574	574	574
Locomotives	191	143	123	117
Of which electric	10	22	22	22
Pas.waggons, ex. train units	776	477	307	287
Of which Wagon-lits	42	34	10	19
Goods waggons	4 712	3 791	3 428	3 108
Seats	101 644	100 959	92 344	92 688
<b>Private railways</b>				
Locomotives, total	51	40	37	35
Multiple train units	-	1	14	15
Motorcoaches	68	68	66	67
Driving trailers	58	58	57	55
Intermediate coaches	20	20	19	21
Other motorcoaches	13	7	8	4
Passenger waggons	18	16	13	14
Goods waggons	49	8	12	11
Seats	8 850	8 517	9 829	9 921

#### Seats in passenger trains. 1 January 1989-99

Index 1989=100



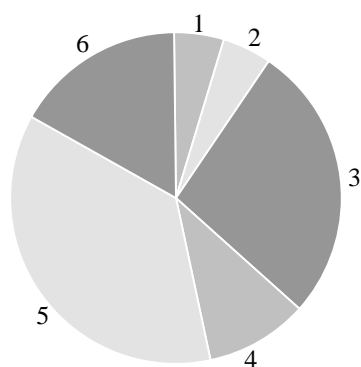


## 6. Danish ships over 20 GT on 1 January

	1989	1997	1998	1999
	no.			
<b>Danish ships, total</b>	<b>2 353</b>	<b>1 761</b>	<b>1 696</b>	<b>1 695</b>
Tankers	66	95	84	86
Container ships	...	78	79	77
Other dry cargo ships	654	488	468	460
Passenger ships/ferries	149	164	163	162
Fishing vessels	1 201	656	623	624
Other	283	280	279	286
	1 000 GT			
<b>Tonnage, total</b>	<b>4 445</b>	<b>5 927</b>	<b>5 798</b>	<b>5 735</b>
Tankers	1 996	1 893	1 475	1 312
Container ships	...	2 091	2 372	2 456
Other dry cargo ships	1 947	1 205	1 170	1 165
Passenger ships/ferries	295	506	542	545
Fishing vessels	158	118	119	123
Other	49	114	119	134

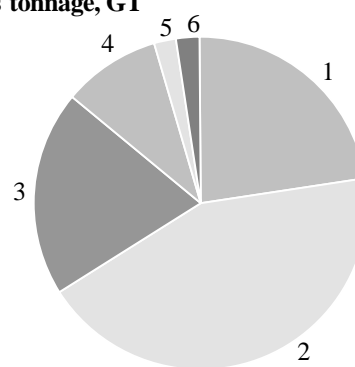
### Danish ships by use. 1. January 1999

No.



1: Tankers  
2: Container ships  
3: Other dry cargo ships

Gross tonnage, GT



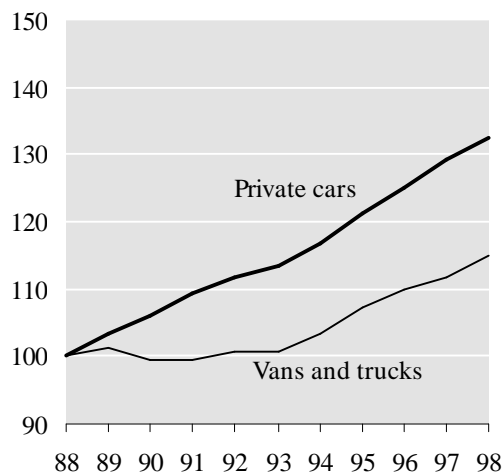
4: Passenger ships/ferries  
5: Fishing vessels  
6: Other

## 7. Traffic performance: roads, railways, ports and airports

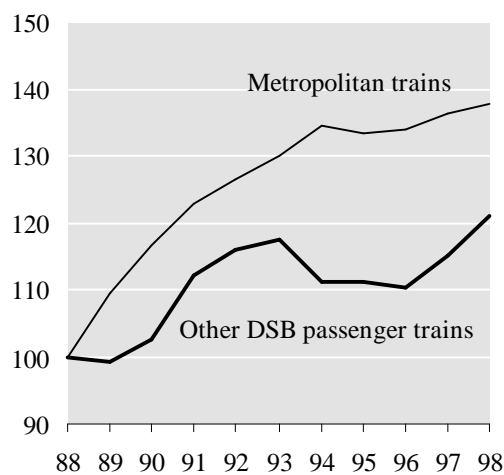
	1988	1996	1997	1998
----- mio. vehicle-km -----				
<b>Road traffic, total</b>	<b>40 023</b>	<b>46 776</b>	<b>48 243</b>	<b>49 081</b>
Private cars	27 897	34 756	35 928	36 800
Motorcycles	285	356	385	414
Vans 2-6 tons total weight	4 350	4 928	5 051	5 204
Solo trucks over 6 tons total weight	840	683	648	713
Trucks and trailers	369	379	377	378
Semi-trailers	235	326	367	358
Scheduled bus services	291	251	251	256
Tourist or other buses	198	325	322	318
Bicycles/mopeds	5 560	4 772	4 913	4 640
----- mio. train-km -----				
Metropolitan trains	10,8	14,5	14,8	14,9
Private railways	5,8	7,4	7,4	7,4
Passenger transport by rail	32,2	35,5	37,1	39,0
Carriage of goods by rail	6,6	7,2	7,2	6,8
----- 1 000 calls -----				
Ferries, domestic lines	433	470	492	460
Ferries, international lines	106	95	99	99
Cargo vessels	35	34	32	31
----- 1 000 take-offs and landings -----				
Domestic air traffic	123	132	131	110
International air traffic	159	245	262	268

### Traffic performance. 1988-98

Index 1988=100



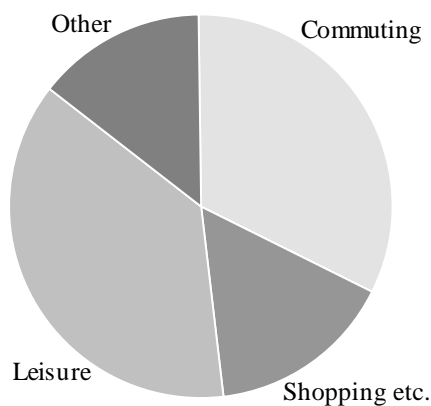
Index 1988=100



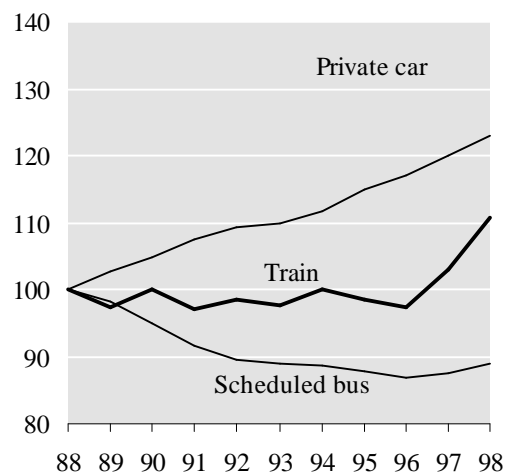
## 8. Passenger transport

	1987	1995	1996	1997
	— mio. passenger-km —			
<b>Passenger transport in DK</b>	<b>68 912</b>	<b>78 409</b>	<b>79 898</b>	<b>81 103</b>
Cars	47 760	55 778	57 067	58 460
Motorcycles	357	445	481	517
Scheduled bus services	3 876	3 372	3 390	3 445
Tourist or other buses	5 283	7 996	7 822	7 690
Bicycles/mopeds	5 560	4 772	4 913	4 640
Metropolitan trains	1 154	1 197	1 177	1 210
Other trains	3 887	3 721	4 006	4 347
Ferries	570	587	524	370
Aeroplanes	465	541	519	424
	— 1 000 passengers —			
<b>Road transport across Great Belt</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>7 255</b>
<b>Domestic ferries, total</b>	<b>20 034</b>	<b>21 782</b>	<b>19 793</b>	<b>13 173</b>
Of which East-West DK	13 664	14 665	12 001	5 772
<b>International ferries, total</b>	<b>39 742</b>	<b>36 433</b>	<b>36 580</b>	<b>37 066</b>
Denmark-Sweden	25 277	22 662	22 922	23 288
Denmark-Germany	10 905	9 699	9 355	9 389
Denmark-Norway	7 709	10 206	10 735	10 288
<b>Scheduled/charter flight</b>	<b>2 384</b>	<b>2 764</b>	<b>2 653</b>	<b>2 108</b>
Scheduled flight, domestic	4 107	6 078	6 667	6 865
Scheduled fl., international	1 218	1 364	1 415	1 315
Charter flight	1 181	1 172	1 364	1 415

Transport performance of 16-74 year-olds, by purpose. 1998



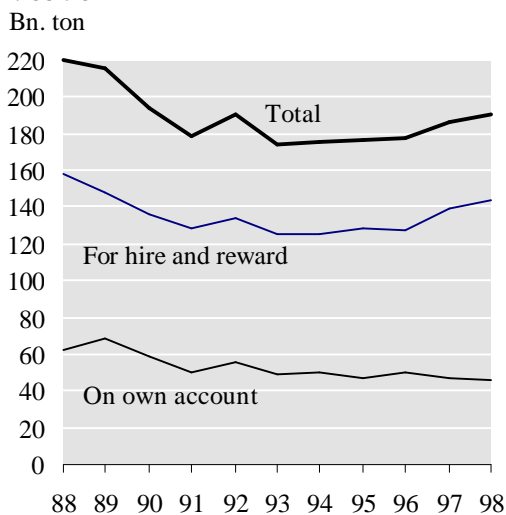
Passenger transport by private car, scheduled bus and train. 1988-98  
Index 1988=100



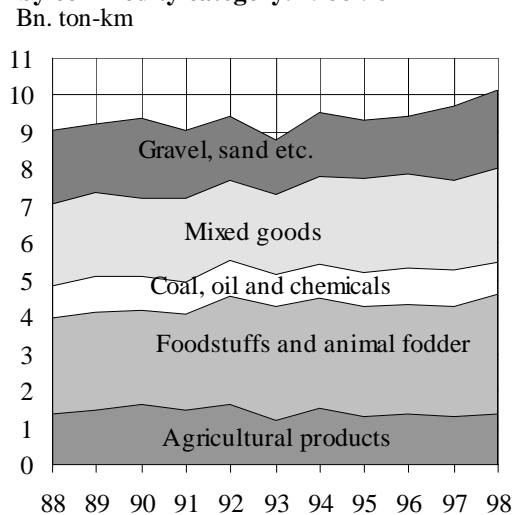
### 9. National transport of goods by trucks over 6 tons total permissible weight

	1988	1996	1997	1998
	— mio. ton —			
<b>Total</b>	<b>220,0</b>	<b>177,1</b>	<b>186,3</b>	<b>190,4</b>
Transport for hire or reward	158,2	127,4	139,3	144,3
Transport on own account	61,8	49,7	47,0	46,1
Agricultural products	30,3	25,6	26,4	26,2
Foodstuffs and animal fodder	43,6	41,1	44,5	43,9
Coal, oil and chemicals	20,2	19,9	15,2	15,6
Mixed, manufactured goods	40,5	38,3	38,0	37,6
Gravel, sand, cement, stone	85,4	52,2	62,2	67,1
	— mio. ton-km —			
<b>Total</b>	<b>9 057</b>	<b>9 432</b>	<b>9 712</b>	<b>10 108</b>
Transport for hire or reward	6 701	7 063	7 508	7 967
Transport on own account	2 356	2 369	2 204	2 141
Agricultural products	1 351	1 334	1 319	1 346
Foodstuffs and animal fodder	2 609	3 007	2 985	3 235
Coal, oil and chemicals	843	970	940	888
Mixed, manufactured goods	2 220	2 551	2 473	2 528
Gravel, sand, cement, stone	2 035	1 570	1 995	2 111

National road transport of goods.  
1988-98



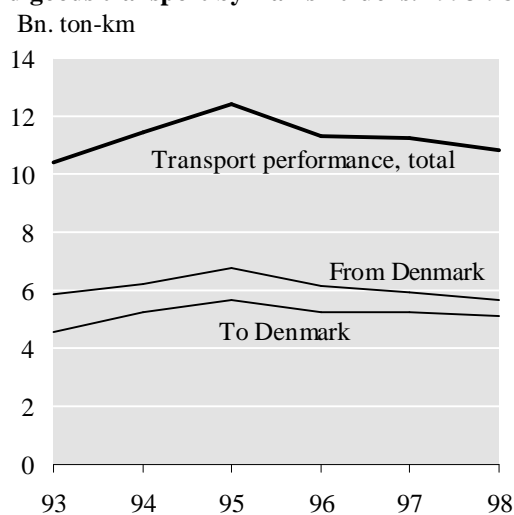
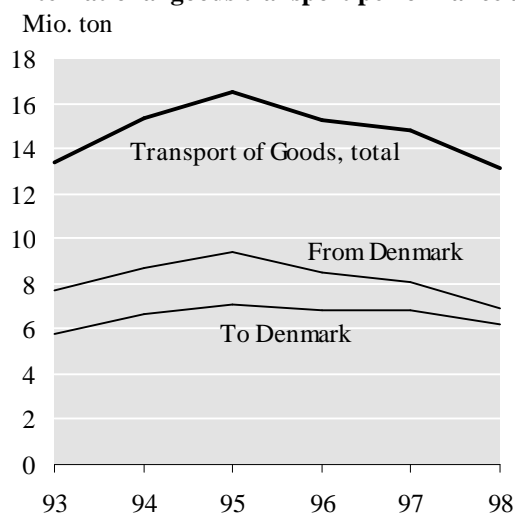
National road transport of goods,  
by commodity category. 1988-98



### 10. International transport of goods by Danish trucks over 6 tons total permissible weight

	1993	1996	1997	1998
1 000 tons				
<b>Total</b>	<b>14 577</b>	<b>16 107</b>	<b>15 749</b>	<b>13 818</b>
<b>To Denmark</b>	<b>5 732</b>	<b>6 813</b>	<b>6 809</b>	<b>6 192</b>
Agricultural products	1 160	1 265	1 346	1 164
Foodstuffs and animal fodder	991	1 030	1 004	1 133
Coal, oil and chemicals	694	743	819	593
Mixed, manufactured goods	2 636	3 431	3 390	3 003
Gravel, sand, cement, stone	252	343	250	299
<b>From Denmark</b>	<b>7 677</b>	<b>8 474</b>	<b>8 028</b>	<b>6 949</b>
Agricultural products	792	733	691	669
Foodstuffs and animal fodder	2 452	2 443	2 389	2 085
Coal, oil and chemicals	461	660	656	526
Mixed, manufactured goods	2 669	3 315	3 349	3 027
Gravel, sand, cement, stone	1 303	1 323	943	642
<b>Third-country transport</b>	<b>635</b>	<b>483</b>	<b>463</b>	<b>434</b>
<b>Cabotage</b>	<b>533</b>	<b>337</b>	<b>449</b>	<b>244</b>
mio. ton-km				
<b>Total</b>	<b>11 232</b>	<b>11 889</b>	<b>11 807</b>	<b>11 264</b>
To Denmark	4 571	5 237	5 261	5 128
From Denmark	5 853	6 107	5 963	5 668
Third-country transport	659	444	478	390
Cabotage	149	101	105	78

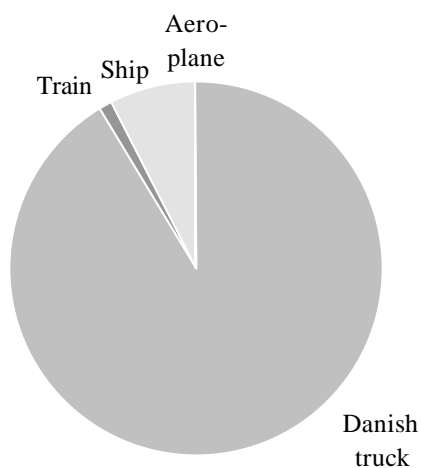
#### International goods transport performance and goods transport by Danish trucks. 1993-98



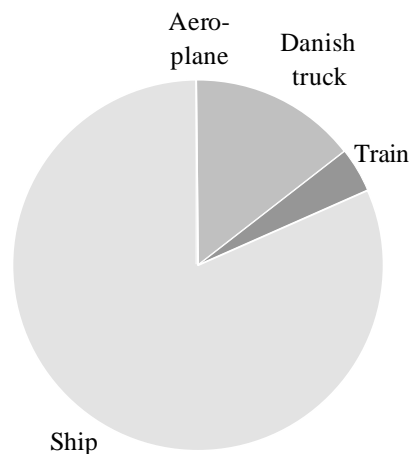
### 11. Goods transport by train, ship and aircraft

	1988	1996	1997	1998
	1 000 tons			
<b>Goods carried by train</b>	<b>7 462</b>	<b>8 141</b>	<b>8 634</b>	<b>7 988</b>
National	2 651	2 367	2 717	2 652
To Denmark	1 755	2 429	2 515	2 161
From Denmark	1 010	1 454	1 515	1 233
In transit	2 046	1 891	1 888	1 941
	mio. ton-km			
<b>Goods transport by train</b>	<b>1 685</b>	<b>1 767</b>	<b>1 992</b>	<b>2 066</b>
National	661	530	615	617
To Denmark	343	524	544	513
From Denmark	198	257	293	278
In transit	483	456	539	657
	1 000 tons			
<b>Goods carried by cargo vessel</b>	<b>54 907</b>	<b>70 294</b>	<b>72 028</b>	<b>63 246</b>
National	10 926	13 317	12 677	8 556
To Denmark	30 501	37 124	38 291	33 516
From Denmark	13 480	19 854	21 060	21 174
<b>Goods carried by ferry</b>	<b>24 050</b>	<b>30 833</b>	<b>28 973</b>	<b>24 141</b>
National	8 916	11 575	11 240	6 907
International	15 134	19 258	17 315	17 234
<b>Goods carried by aeroplane</b>	<b>92</b>	<b>129</b>	<b>133</b>	<b>119</b>
National	...	34	25	21
International	...	95	108	99

**Goods carried. 1998  
National traffic**



**Goods carried. 1998  
International traffic**



## 12. Road traffic accidents

	1988	1996	1997	1998
	no.			
Accidents causing casualty	9 978	8 080	8 004	7 447
<b>Casualties, total</b>	<b>12 503</b>	<b>10 324</b>	<b>10 106</b>	<b>9 342</b>
Motorists	6 723	5 761	5 611	...
Motorcyclists	635	547	631	...
Moped riders	1 240	817	702	...
Cyclists	2 473	2 237	2 153	...
Pedestrians	1 432	962	1 009	...
<b>Of which fatal, total</b>	<b>713</b>	<b>514</b>	<b>489</b>	<b>454</b>
Motorists	410	309	291	...
Motorcyclists	40	24	23	...
Moped riders	43	25	23	...
Cyclists	81	88	65	...
Pedestrians	139	68	87	...
<b>Alcohol accidents</b>	<b>1 929</b>	<b>1 248</b>	<b>1 253</b>	...
Casualties	2 525	1 653	1 569	...
Of which fatal	228	130	108	...
<b>Accidents involving heavy motor vehicles</b>	<b>745</b>	<b>587</b>	<b>620</b>	...
Casualties	971	738	810	...
Of which fatal	131	102	93	...

### Trends in traffic fatalities. 1988-98

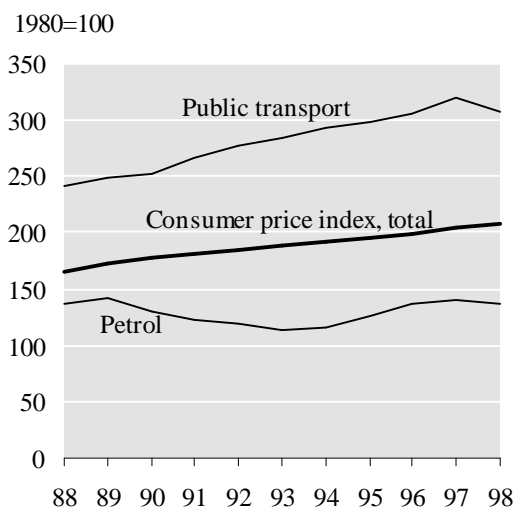
No.



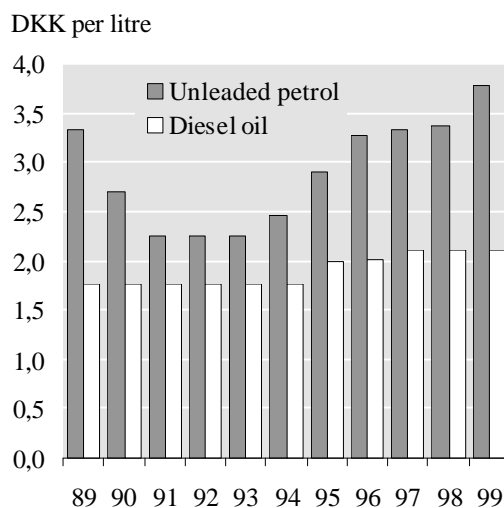
### 13. Consumer prices and indirect taxes

	1987	1995	1996	1997
	index 1980=100			
Consumer price index, total	165,0	199,7	204,1	207,9
<b>Transport, total</b>	<b>168</b>	<b>205</b>	<b>208</b>	<b>211</b>
<b>Public transport</b>	<b>242</b>	<b>305</b>	<b>320</b>	<b>307</b>
<b>Air transport</b>	<b>177</b>	<b>263</b>	<b>267</b>	<b>269</b>
National	192	262	266	304
International	172	263	268	261
<b>Sea transport</b>	<b>198</b>	<b>246</b>	<b>242</b>	<b>239</b>
National	192	266	283	266
International	217	220	214	220
Taxis	180	233	236	237
Motor vehicle purchases	154	177	177	181
Maintenance of private cars	198	290	301	293
Petrol	137	137	141	136
	mio. DKK			
<b>Revenue from taxes</b>				
Weight excise duty	3 593	4 918	5 172	5 431
Registration taxes	7 984	15 419	16 530	18 526
Petrol taxes	7 155	8 250	8 606	8 921
Third party insurance duty	930	1 099	1 314	1 347

#### Prices. 1988-98



#### Indirect tax rates. 1 January 1989-99



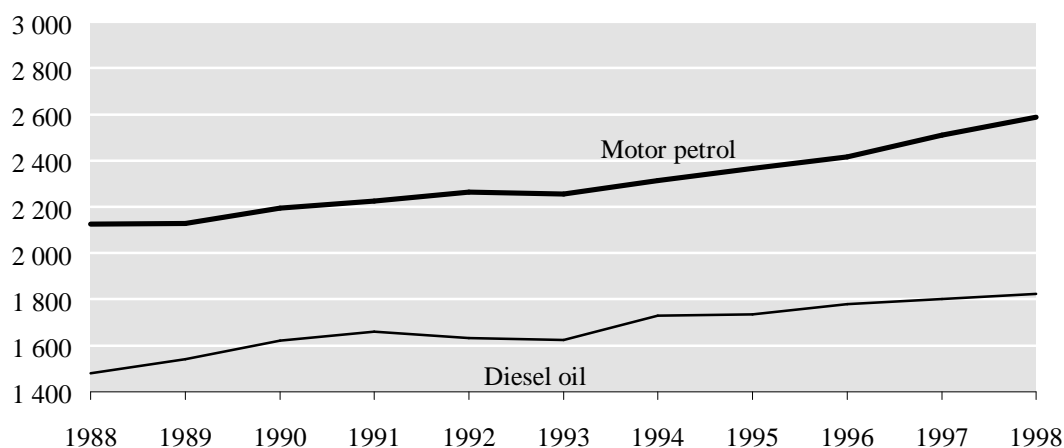


#### 14. Energy consumption of the transport activities and NO<sub>2</sub> and particles in the air

	1988	1996	1997	1998
	— mio. litre —			
Consumption of motor petrol	2 125	2 415	2 510	2 587
Consumption of diesel oil	1 480	1 779	1 801	1 824
	— PJ —			
<b>Energy consumption of national transport, total</b>	<b>136,8</b>	<b>157,8</b>	<b>160,6</b>	<b>162,0</b>
Road transport	124,3	143,3	147,3	150,8
Rail transport	5,2	5,0	4,9	4,4
Sea transport	6,0	7,9	6,9	5,5
Air transport	1,3	1,6	1,5	1,3
	— µ g/m <sup>3</sup> —			
<b>NO<sub>2</sub> (Nitrogen dioxide)</b>				
Copenhagen (city centre)	64	45	43	44
Ålborg (city centre)	50	38	34	35
Odense (city centre)	49	34	36	32
<b>Particles</b>				
Copenhagen (city centre)	93	65	47	46
Ålborg (city centre)	77	69	54	51
Odense (city centre)	76	54	61	46

#### Consumption of motor petrol and diesel oil for cars. 1988-98

Mio. litre

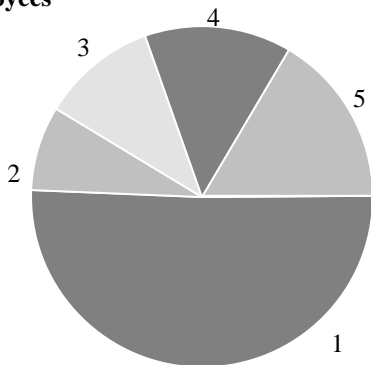


### 15. Employment in the transport sector at the end of November

	1993	1995	1996	1997
	employees			
<b>Transport sector, total</b>	<b>128 870</b>	<b>133 294</b>	<b>136 355</b>	<b>135 692</b>
<b>Road transport</b>	<b>61 515</b>	<b>66 128</b>	<b>68 539</b>	<b>68 771</b>
Scheduled bus services	11 452	12 822	13 784	13 910
Tourist coach services	3 997	4 357	4 216	4 363
Taxi operation	8 981	10 048	11 051	11 201
Haulage contractors	33 978	35 739	36 195	35 996
Furniture removers	1 254	1 369	1 496	1 464
Auxiliary land transport act.	1 853	1 793	1 797	1 837
<b>Rail transport</b>	<b>13 578</b>	<b>12 411</b>	<b>11 790</b>	<b>10 649</b>
<b>Air transport</b>	<b>13 481</b>	<b>13 296</b>	<b>14 420</b>	<b>15 073</b>
<b>Sea transport</b>	<b>21 348</b>	<b>20 275</b>	<b>19 479</b>	<b>18 808</b>
Shipping companies	12 722	11 320	10 750	10 462
Ferry services	6 212	6 483	6 229	5 694
Other sea transport	86	83	103	111
Aux. sea transport activities	2 328	2 389	2 397	2 541
Cargo handling, storage and warehousing	2 992	3 268	3 557	3 383
Travel agency activities	4 841	5 474	6 018	6 092
Other transport activities	11 115	12 442	12 552	12 916
	workplaces			
Workplaces, total	14 269	13 925	14 043	13 780

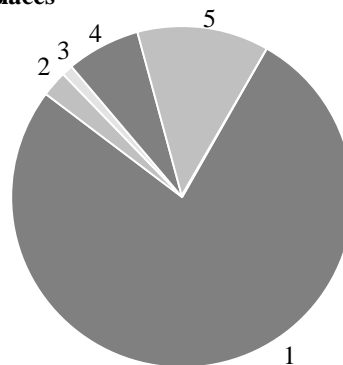
#### Number of employees and workplaces, by main groups in the transport sector. 1997

##### Employees



- 1: Road transport  
2: Rail transport  
3: Air transport

##### Workplaces



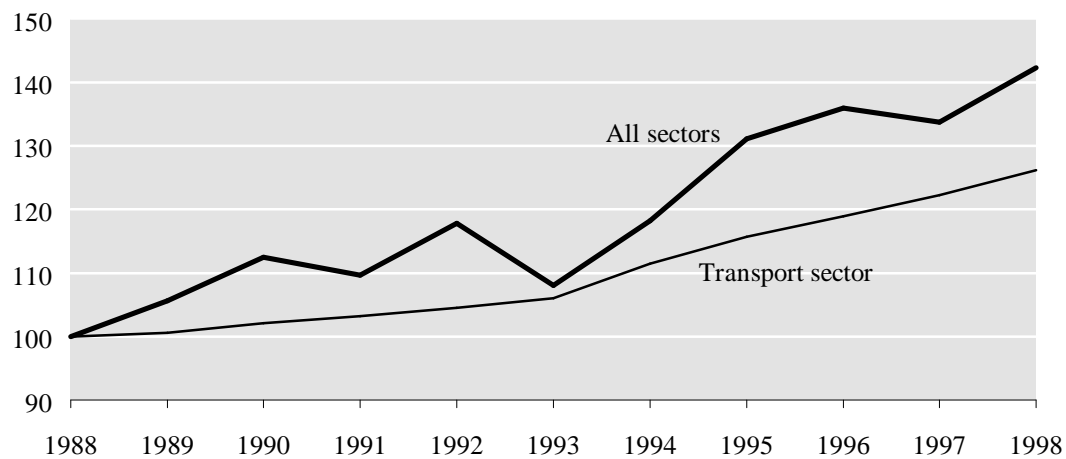
- 4: Sea transport  
5: Other

### 16. Gross value added in the transport sector

	1992	1995	1996	1997
	— mio. DKK —			
<b>Current prices</b>				
All sectors	633 757	910 602	952 362	994 349
Transport sector	35 811	52 614	57 505	60 277
<b>1990 prices</b>				
All sectors	695 297	826 710	849 731	876 932
Transport sector	36 394	49 457	48 662	51 769

### Gross value added at constant prices. 1988-98

Index 1988=100



## 17. Definitions, remarks and sources

### 1. Infrastructure

The road network comprises state roads, county roads and municipal roads. Paths and private joint roads are excluded. The total length of private joint roads is estimated at 15,000 km. State roads of just over 2,100 km were transferred to the counties on 1 January 1998. The number of motorways include motorways falling under county roads, 12 km in 1999, but exclusive of the Øresund-motorway of 7 km and the 22 km Great Belt Link managed by *Sund og Bælt A/S*. Source: *Vejdirektoratet*.

The rail network comprises the length of all railway sections falling under the Danish National Railways Agency (previously DSB, Danish State Railways) and the private railways. Source: *Banestyrelsen* and *Privatbanernes Fællesrepræsentation*.

Railway stations are compiled as railway line stops. The railway stations of the Private Railways are excluded. In 1999 the Private Railways had 201 railway line stops, of which 13 were operated jointly with DSB. Source: *DSB and Privatbanernes Fælleskontor*.

Sea ports comprise all commercial ports and ferry berths outside the actual commercial ports. Source: *Danmarks Statistik*.

Airports comprise only airports that are manned. Source: *Statens Luftfartsvæsen*.

### 2. Investments in the infrastructure

Investments in the road network cover capital costs and current expenditure. Source: *Vejdirektoratet*.

Data on investments in the rail network are reported by *Banestyrelsen* and *Jernbanetilsynet*. The investments of Banestyrelsen are incl. new investments in improved environment, IT etc., but in 1998 excl. services.

Investments in the Great Belt Link, the Øresund Link and the Copenhagen Metro cover capital costs, including own work performed, but exclusive of financing expenses. Only the Danish share of 50 pct. in the Øresund Link is included. Source: *A/S Storebæltsforbindelsen*, *A/S Øresundsforbindelsen*, *Øresundskonsortiet* and *Ørestadsselskabet*.

Investments in sea ports cover capital costs of all enterprises engaged in commercial ports and marinas. Source: *Danmarks Statistik*.

Investments in airports cover all capital investments of enterprises engaged in airport activities. Source: *Danmarks Statistik*.

### **3. Private cars, buses and motorcycles**

Private cars are designed for transport of 9 passengers and under, including the driver. Buses are designed for transport of 10 passengers and over, including the driver. It should be noted that about 1,500 private cars were reclassified to the group of buses in 1991.

Data were not available on the use of all private cars in households and in firms. They accounted for about 15,000 on 31 December 1998.

Tourist coaches are buses that are only used for non-scheduled services, including buses used by associations and societies.

Motorcycles comprise two-wheeled motor vehicles with a stroke volume larger than 50 cm<sup>3</sup>. Furthermore, 3-wheeled motor vehicles under 400 kg of total permissible weight are included.

45-mopeds are mopeds with a maximum permissible speed of 45 km/h.

Source: *Danmarks Statistik*.

### **4. Goods motor vehicles**

Vans are motor vehicles with a total permissible weight not exceeding 3,500 kg. They are mainly designed for transport of goods.

Trucks are motor vehicles over 3,500 kg, and are mainly designed for transport of goods.

Articulated trailer vehicles are especially designed for driving with semi-trailers, i.e. vehicles without a front axle.

Source: *Danmarks Statistik*.

### **5. Rolling stock**

Locomotives are railway vehicles with an engine power of at least 110 KW, designed for pulling/pushing railway waggons. In this context, multiple train units are not regarded as locomotives.

Multiple train units consist of two or more connected waggons, which normally are not self-propelled.

Metropolitan trains are counted separately.

Source: *DSB and Jernbanetilsynet*

### **6. Danish ships**

Danish ships comprise ships over 20 GT, which are registered with the Danish Shipping Register or DIS, Danish International Shipping Register.

GT indicates the gross tonnage of a ship. The gross tonnage is based on the measurements of a ship. Its capacity is ascertained by measuring all covered spaces in cubic feet.

Up to 1993 the statistics covered about 90 ships just under 20 GT.

Source: *Danmarks Statistik*.

### **7. Traffic performance: roads, railways, sea ports and airports**

Road traffic performance, i.e. vehicle-kilometres, is calculated by Vejdirektoratet, primarily from measurements of traffic flows recorded by permanent census takers. For motorcycles, buses, vans and small trucks, vehicle-kilometres are calculated on the basis of the total stock and a rough estimate of vehicle-kilometres. For trucks over 6,000 tons the results of the sample survey of national goods transport conducted by Statistics Denmark are used. Source: *Vejdirektoratet*.

Train-kilometres exclude shunting work and transport of empty wagons. Source: *DSB* and *Privatbanernes Fællesrepræsentation*.

Until 1996 the statistics on freight ships calling at Danish ports were compiled by *Trafikministeriet* and from 1997 by *Danmarks Statistik* on the basis of data reported by Danish ports. The statistics on ferry services are compiled by *Danmarks Statistik* on the basis of data reported by shipping companies.

Air traffic is compiled by *Statens Luftfartsvæsen*. Take-offs by scheduled flights, charter flights, and taxi flights are included.

### **8. Passenger transport**

Road passenger transport is calculated on the basis of traffic performance and special surveys of the number of passenger per car and bus. Source: *Vejdirektoratet*.

Data on passenger-kilometres by train are reported by the *DSB* and *Jernbanetilsynet*.

Passenger-kilometre is a measurement of the transport performance. One passenger-km corresponds to one person transported one kilometre.

Road transport across Great Belt includes passengers by private cars and buses. The statistics are compiled based on traffic data delivered by *A/S Storebæltsforbindelsen*.

The shipping companies report data on ferry passengers to *Danmarks Statistik*.

Air traffic covers departing passengers by scheduled flights and charter flights. Passengers in transit and in transfer are included. Source: *Statens Luftfartsvæsen*.

Passenger transport performance of 16-74 year-olds by purpose of trip is compiled by *Danmarks Statistik*.

### **9. National transport of goods by trucks**

The statistics cover transport by Danish trucks over 6 tons total permissible weight. Transport between the places of loading and unloading, both places situated in Denmark, is included.

Ton-kilometre is a measurement of the transport performance. One ton-km corresponds to one ton of goods carried one kilometre.

Source: *Danmarks Statistik*.

### **10. International transport of goods by Danish trucks**

The statistics cover transport by Danish trucks over 6 tons total permissible weight. Transport between Denmark and abroad, transport between 2 foreign countries (third-country transport) and transport in one foreign country (cabotage) are included.

Source: *Danmarks Statistik*.

### **11. Goods transport by train, ship and aircraft**

Goods transport by train comprises transport on the Danish rail network. Ton-kilometres of the private railways are added to national transport, whereas goods carried by the private railways are assumed to fall under the Danish State Railways, as a majority of the goods are also carried by the Danish State Railways. Source: *DSB* and *Jernbanetilsynet*.

Statistics on sea transport are compiled by *Danmarks Statistik* on the basis of data reported by ports and shipping companies.

Goods transport by aircraft covers loaded and unloaded goods at airports. Source: *Statens Luftfartsvæsen*.

### **12. Road traffic accidents**

Traffic accidents on public road etc. are accidents with at least one driving unit involved. The statistics cover road traffic accidents causing casualties and for which a police report has been prepared.

Motorists include persons by modes n. e. s. and by modes not stated. Motorcyclists cover 45-moped riders. Road traffic accidents of 45-moped riders casualties were estimated at 100 and 222, respectively, in 1996 and 97. Alcohol accidents are accidents involving at least one person influenced by alcohol. Accidents involving heavy vehicles are accidents where one of the parties involved is a lorry with trailer or a truck over 3,500 kg.

Source: *Danmarks Statistik*.

### **13. Consumer prices and indirect taxes**

The consumer price index shows the trends of the Danish consumer prices, including indirect taxes and VAT.

The consumption of energy for domestic transportation is excl. the consumption of the armed forces and excl. off road transportation.

Source: *Danmarks Statistik*.

### **14. Energy consumption of the transport sector and NO<sub>2</sub> and particles in the air**

Particles in the air consist of substances such as aluminium, silicon, sulphur, chlorine, potassium and lead.

Source: *Danmarks Statistik*.

**15. Employment in the transport sector**

The statistics cover full- and part-time employees working at workplaces in the transport sector.

Source: *Danmarks Statistik*.

**16. Gross value added in the transport sector**

The gross value added is the output value less intermediate consumption in the production process, excluding deductions in the consumption of fixed capital (depreciations)

Source: *Danmarks Statistik*.