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1. Passenger and Freight Transport in Japan

1-1 Passenger transport in Japan

	Number of passengers transported x 1000 passengers (% in parentheses)					
	Motor Vehicles					
		Buses	Passenger cars total			
				Commercial use	Private Use	
					Registered cars	Light cars
FY 1960	7 900 743 (38.9)	6 290 722	1 610 021	1 205 225	404 766	
1965	14 863 470 (48.3)	10 557 428	4 306 042	2 626 631	1 679 411	
1970	24 032 433 (59.2)	11 811 524	12 220 909	4 288 853	7 932 056	
1975	28 411 450 (61.5)	10 730 770	17 680 680	3 220 221	14 460 459	
1980	33 515 233 (64.8)	9 903 047	23 612 186	3 426 567	20 185 619	
1985	34 678 904 (64.4)	8 780 339	25 898 565	3 256 748	22 641 817	
1990	55 767 427 (71.6)	8 558 007	36 203 558	3 223 166	30 847 009	2 133 383
1995	61 271 653 (72.8)	7 619 016	43 054 973	2 758 386	35 018 454	5 278 133
2000	62 841 306 (74.2)	6 635 255	47 937 071	2 433 069	36 505 013	8 998 989
2001	64 590 143 (74.7)	6 489 964	50 005 870	2 343 721	37 683 632	9 978 517
2002	65 480 675 (75.1)	6 286 093	51 268 330	2 366 320	38 139 379	10 762 631
2003	65 933 252 (75.0)	6 191 302	51 801 525	2 351 547	37 891 573	11 558 405
2004	65 990 529 (75.1)	5 995 303	52 310 957	2 243 855	37 558 610	12 508 492
2005	65 946 689 (74.9)	5 888 754	52 722 207	2 217 361	37 358 034	13 146 812
2006	65 943 252 (74.6)	5 909 240	52 764 906	2 208 933	36 570 098	13 985 875
2007	66 908 896 (74.4)	5 963 212	53 729 659	2 137 352	36 625 025	14 967 282
2008	66 774 143 (74.2)	5 929 557	53 826 529	2 024 813	36 024 555	15 777 161
2009	66 599 647 (74.4)	5 733 474	54 171 896	1 948 325	35 724 780	16 498 791
2010	65 705 843 (74.2)	-	-	6 241 395	59 464 448	-
2011	64 991 077 (74.0)	-	-	6 073 486	58 917 591	-
2012	68 667 586 (74.7)	-	-	6 076 806	62 590 780	-
2013	70 179 556 (72.4)	-	-	6 152 916	64 026 640	-

	Passenger-kilometers transported x 1 million passenger-kilometers (% in parentheses)					
	Motor Vehicles					
		Buses	Passenger cars total			
				Commercial use	Private Use	
					Registered cars	Light cars
FY 1960	55 531 (22.8)	43 998	11 533	5 162	6 370	
1965	120 756 (31.6)	80 134	40 622	11 216	29 406	
1970	284 229 (48.4)	102 893	181 335	19 311	162 024	
1975	360 868 (50.8)	110 063	250 804	15 572	235 232	
1980	431 669 (55.2)	110 396	321 272	16 243	305 030	
1985	489 260 (57.0)	104 898	384 362	15 763	368 600	
1990	853 060 (65.7)	110 372	575 507	15 639	536 773	23 095
1995	917 419 (66.1)	97 288	664 625	13 796	594 712	56 117
2000	951 253 (67.0)	87 307	741 148	12 052	630 958	98 138
2001	954 292 (67.0)	86 351	752 529	11 802	633 326	107 401
2002	955 413 (67.0)	86 181	756 632	11 901	628 601	116 130
2003	954 186 (66.9)	86 391	755 062	11 968	620 698	122 396
2004	947 563 (66.8)	86 285	750 518	11 585	607 909	131 024
2005	933 006 (66.1)	88 066	737 621	11 485	587 657	138 479
2006	917 938 (65.4)	88 699	723 870	11 454	566 577	145 839
2007	919 062 (66.3)	88 969	724 591	11 100	559 533	153 958
2008	905 907 (64.9)	89 921	713 146	10 572	542 304	160 271
2009	898 721 (65.6)	87 402	588 248	10 155	533 499	44 594
2010	876 878 (65.1)	-	-	77 677	799 201	-
2011	866 347 (64.9)	-	-	73 916	792 431	-
2012	914 609 (65.3)	-	-	75 668	838 941	-
2013	926 751 (64.9)	-	-	74 571	852 180	-

Source: Transportation-related Statistics Data Collection; Annual Statistical Report on Motor Vehicle Transport (Ministry of Land, Infrastructure, Transport and Tourism)

Note: 1. Starting from FY 1987, motor vehicles include light motor vehicles and trucks in Private Use

Note: 2. Regarding the number of passengers transported and passenger-kilometers for railways: figures from FY 1987 onward are not in sequence with those of the previous fiscal year and before because of overlaps between JR (Japan Railway) Companies

Note: 3. For passenger ship transport, figures for FY 1970 and before include only scheduled transport services; figures from FY 1975 onward are the total of scheduled and nonscheduled transport services. Passenger-kilometers transported in FY 1965 and before were estimated by multiplying the number of passengers by 27 kilometers (the average kilometers per person transported).

Note: 4. For passenger cars total, the figures after the FY2010 are given only in the forms of commercial use and private use.

Trucks in private use		Railways	Passenger ships	Aircraft	Total	
Registerd trucks	Light trucks					
		12 290 380 (60.6)	98 887 (0.5)	1 260 (0.01)	20 291 270 (100.0)	FY 1960
		15 798 168 (51.3)	126 007 (0.4)	5 194 (0.02)	30 792 839 (100.0)	1965
		16 384 034 (40.3)	173 744 (0.4)	15 460 (0.04)	40 605 671 (100.0)	1970
		17 587 925 (38.1)	169 864 (0.4)	25 467 (0.06)	46 194 706 (100.0)	1975
		18 004 962 (34.8)	159 751 (0.3)	40 427 (0.08)	51 720 373 (100.0)	1980
		18 989 703 (35.3)	153 477 (0.3)	43 777 (0.08)	53 865 861 (100.0)	1985
3 454 128	7 551 734	21 938 609 (28.2)	162 600 (0.2)	65 252 (0.08)	77 933 888 (100.0)	1990
3 133 874	7 463 790	22 630 439 (26.9)	148 828 (0.2)	78 101 (0.09)	84 129 021 (100.0)	1995
2 484 914	5 784 066	21 646 751 (25.6)	110 128 (0.1)	92 873 (0.1)	84 691 058 (100.0)	2000
2 464 818	5 629 491	21 720 088 (25.1)	111 550 (0.1)	94 579 (0.1)	86 515 679 (100.0)	2001
2 406 007	5 520 245	21 561 067 (24.7)	108 846 (0.1)	96 662 (0.1)	87 247 250 (100.0)	2002
2 377 331	5 563 094	21 757 564 (24.8)	107 288 (0.1)	95 487 (0.1)	87 893 591 (100.0)	2003
2 200 539	5 483 730	21 686 454 (24.7)	100 872 (0.1)	93 739 (0.1)	87 871 594 (100.0)	2004
2 083 356	5 252 372	21 963 024 (24.9)	103 175 (0.1)	94 490 (0.1)	88 098 313 (100.0)	2005
2 021 509	5 247 597	22 243 472 (25.2)	99 168 (0.1)	96 971 (0.1)	88 382 863 (100.0)	2006
2 003 807	5 212 218	22 840 812 (25.4)	100 794 (0.1)	94 849 (0.1)	89 945 351 (100.0)	2007
1 906 546	5 111 511	22 976 100 (25.5)	99 032 (0.1)	90 662 (0.1)	89 939 937 (100.0)	2008
1 769 573	4 924 704	22 774 444 (25.4)	92 173 (0.1)	83 872 (0.1)	89 500 155 (100.0)	2009
-	-	22 669 011 (25.6)	85 047 (0.3)	82 211 (0.3)	88 542 112 (100.0)	2010
-	-	22 632 357 (25.8)	84 066 (0.1)	79 052 (0.1)	87 786 552 (100.0)	2011
-	-	23 041 825 (25.1)	87 134 (0.1)	85 996 (0.1)	91 882 541 (100.0)	2012
-	-	26 606 410 (27.4)	88 018 (0.1)	92 643 (0.1)	96 966 627 (100.0)	2013

Trucks in private use		Railways	Passenger ships	Aircraft	Total	
Registerd trucks	Light trucks					
		184 340 (75.8)	2 670 (1.1)	737 (0.3)	243 278 (100.0)	FY 1960
		255 484 (66.8)	3 402 (0.9)	2 952 (0.8)	382 594 (100.0)	1965
		288 815 (49.2)	4 814 (0.8)	9 319 (1.6)	587 177 (100.0)	1970
		323 800 (45.6)	6 895 (1.0)	19 148 (2.7)	710 711 (100.0)	1975
		314 542 (40.2)	6 132 (0.8)	29 688 (3.8)	782 031 (100.0)	1980
		330 101 (38.5)	5 752 (0.7)	33 119 (3.9)	858 232 (100.0)	1985
74 659	92 523	387 478 (29.8)	6 275 (0.5)	51 623 (4.0)	1 298 436 (100.0)	1990
73 887	81 620	400 056 (28.8)	5 527 (0.4)	65 012 (4.7)	1 388 014 (100.0)	1995
59 431	63 366	384 441 (27.1)	4 304 (0.3)	79 698 (5.6)	1 419 696 (100.0)	2000
56 218	59 196	385 421 (27.0)	4 006 (0.3)	81 459 (5.7)	1 425 178 (100.0)	2001
54 619	57 980	382 236 (26.8)	3 893 (0.3)	83 949 (5.9)	1 425 491 (100.0)	2002
54 113	58 621	384 958 (27.0)	4 024 (0.3)	83 311 (5.8)	1 426 479 (100.0)	2003
51 736	59 023	385 163 (27.2)	3 869 (0.3)	81 786 (5.8)	1 418 381 (100.0)	2004
49 742	57 576	391 228 (27.7)	4 025 (0.3)	83 220 (5.9)	1 411 397 (100.0)	2005
48 461	56 908	395 908 (28.2)	3 783 (0.3)	85 746 (6.1)	1 403 375 (100.0)	2006
48 656	56 846	405 544 (28.7)	3 834 (0.3)	84 327 (6.0)	1 412 767 (100.0)	2007
46 910	55 930	404 585 (29.0)	3 510 (0.3)	80 931 (5.8)	1 394 933 (100.0)	2008
168 016	55 054	393 765 (28.7)	3 073 (0.2)	75 203 (5.5)	1 370 900 (100.0)	2009
-	-	393 466 (29.2)	3 004 (0.5)	73 750 (13.5)	1 347 098 (100.0)	2010
-	-	395 067 (29.6)	3 047 (0.2)	71 165 (5.3)	1 335 626 (100.0)	2011
-	-	404 394 (28.9)	3 092 (0.2)	77 917 (5.6)	1 400 012 (100.0)	2012
-	-	414 387 (29.0)	3 265 (0.2)	84 144 (5.9)	1 428 547 (100.0)	2013

1-2 Freight transport in Japan

	Tonnage transported x 1000 tons (% in parentheses)						
	Motor Vehicle						
		Commercial use			Private Use		
			Registerd vehicles	Light vehicles		Registerd vehicles	Light vehicles
FY 1960	1 156 291 (75.8)	380 728	380 728		775 563	775 563	
1965	2 193 195 (83.8)	664 227	664 227		1 528 968	1 528 968	
1970	4 626 069 (88.1)	1 113 061	1 113 061		3 513 008	3 513 008	
1975	4 392 859 (87.4)	1 251 482	1 251 482		3 141 377	3 141 377	
1980	5 317 950 (88.9)	1 661 473	1 661 473		3 656 477	3 656 477	
1985	5 048 048 (90.2)	1 891 937	1 891 937		3 156 111	3 156 111	
1990	6 113 565 (90.2)	2 427 625	2 416 384	11 241	3 685 940	3 557 161	128 779
1995	6 016 571 (90.6)	2 647 067	2 633 277	13 790	3 369 504	3 230 135	139 369
2000	5 773 619 (90.6)	2 932 696	2 916 222	16 474	2 840 923	2 713 392	127 531
2001	5 578 227 (90.6)	2 898 336	2 881 753	16 583	2 679 891	2 556 217	123 674
2002	5 339 487 (90.6)	2 830 173	2 813 389	16 784	2 509 314	2 389 557	119 757
2003	5 234 076 (91.3)	2 843 911	2 826 770	17 141	2 390 165	2 269 573	120 592
2004	5 075 877 (91.1)	2 833 122	2 815 502	17 620	2 242 755	2 120 129	122 626
2005	4 965 874 (91.2)	2 858 258	2 840 686	17 572	2 107 616	1 983 974	123 642
2006	4 961 325 (91.4)	2 899 642	2 881 688	17 954	2 061 683	1 937 380	124 303
2007	4 932 539 (91.4)	2 927 928	2 908 987	18 941	2 004 611	1 883 959	120 652
2008	4 718 318 (91.7)	2 808 664	2 788 513	20 151	1 909 654	1 792 088	117 566
2009	4 454 028 (92.2)	2 686 556	2 666 521	20 035	1 767 472	1 652 982	114 490
2010	4 600 624 (91.8)	3 069 416	3 050 476	18 940	1 531 208	1 410 779	120 429
2011	4 619 486 (92.0)	3 153 051	3 133 872	19 179	1 466 435	1 343 904	122 531
2012	4 495 208 (91.7)	3 011 839	2 988 696	23 143	1 483 369	1 354 088	129 281
2013	4 481 702 (91.4)	2 989 496	2 967 945	21 551	1 492 206	1 356 256	135 950

	Ton-kilometers transported x 1 million ton-kilometers (% in parentheses)						
	Motor Vehicle						
		Commercial use			Private Use		
			Registerd vehicles	Light vehicles		Registerd vehicles	Light vehicles
FY 1960	20 801 (15.0)	9 639	9 639		11 163	11 163	
1965	48 392 (26.1)	22 385	22 385		26 006	26 006	
1970	135 916 (38.8)	67 330	67 330		68 586	68 586	
1975	129 701 (36.0)	69 247	69 247		60 455	60 455	
1980	178 901 (40.8)	103 541	103 541		75 360	75 360	
1985	205 941 (47.4)	137 300	137 300		68 642	68 642	
1990	274 244 (50.2)	194 221	193 799	422	80 023	78 358	1 665
1995	294 648 (52.7)	223 090	222 655	435	71 558	69 911	1 647
2000	313 118 (54.2)	255 533	255 012	522	57 585	56 025	1 559
2001	313 072 (53.9)	259 771	259 239	532	53 301	51 828	1 473
2002	312 028 (54.7)	262 305	261 760	545	49 723	48 308	1 415
2003	321 862 (57.1)	274 364	273 798	566	47 498	46 102	1 396
2004	327 632 (57.5)	282 151	281 555	596	45 481	44 064	1 417
2005	334 979 (58.7)	290 773	290 160	613	44 206	42 752	1 455
2006	346 534 (59.9)	302 182	301 546	636	44 352	42 853	1 499
2007	354 800 (60.9)	310 185	309 496	689	44 615	43 135	1 480
2008	346 420 (62.1)	302 816	302 092	724	43 604	42 123	1 481
2009	334 667 (63.9)	293 227	292 520	707	41 440	39 954	1 486
2010	244 750 (54.9)	213 288	212 832	456	31 462	29 862	1 600
2011	232 693 (54.3)	202 441	201 984	457	30 252	28 620	1 632
2012	211 669 (51.5)	180 336	179 865	471	31 333	29 620	1 713
2013	215 885 (51.1)	184 840	184 360	480	31 045	29 252	1 793

Source: Transportation-related Statistics Data Collection; Annual Statistical Report on Motor Vehicle Transport (Ministry of Land, Infrastructure, Transport and Tourism)
Note: 1. Starting from FY 1987, motor vehicles include light motor vehicles and trucks in Private Use
Note: 2. In FY 2010, data collection research and aggregation methods have been changed. Therefore, the number of the before and after of 2010 is not continuous

Railways	Coastal shipping	Aircraft	Total	
229 856 (15.1)	138 849 (9.1)	9 (0.00)	1 525 005 (100.0)	FY 1960
243 524 (9.3)	179 645 (6.9)	33 (0.00)	2 616 397 (100.0)	1965
250 360 (4.8)	376 647 (7.2)	116 (0.00)	5 253 192 (100.0)	1970
180 616 (3.6)	452 054 (9.0)	192 (0.00)	5 025 721 (100.0)	1975
162 827 (2.7)	500 258 (8.4)	329 (0.01)	5 981 364 (100.0)	1980
96 285 (1.7)	452 385 (8.1)	538 (0.01)	5 597 256 (100.0)	1985
86 619 (1.3)	575 199 (8.5)	874 (0.01)	6 776 257 (100.0)	1990
76 932 (1.2)	548 542 (8.3)	960 (0.01)	6 643 005 (100.0)	1995
59 274 (0.9)	537 021 (8.4)	1 103 (0.02)	6 371 017 (100.0)	2000
58 668 (1.0)	520 067 (8.4)	1 015 (0.02)	6 157 977 (100.0)	2001
56 592 (1.0)	497 251 (8.4)	1 001 (0.02)	5 894 331 (100.0)	2002
53 602 (0.9)	445 544 (7.8)	1 033 (0.02)	5 734 255 (100.0)	2003
52 219 (0.9)	440 252 (7.9)	1 065 (0.02)	5 569 413 (100.0)	2004
52 473 (1.0)	426 145 (7.8)	1 082 (0.02)	5 445 574 (100.0)	2005
51 872 (1.0)	416 644 (7.7)	1 099 (0.02)	5 430 940 (100.0)	2006
50 850 (0.9)	409 694 (7.6)	1 145 (0.02)	5 394 228 (100.0)	2007
46 225 (0.9)	378 705 (7.4)	1 074 (0.02)	5 144 322 (100.0)	2008
43 251 (0.9)	332 175 (6.9)	1 024 (0.02)	4 830 478 (100.0)	2009
43 647 (0.9)	366 734 (7.3)	1 004 (0.02)	5 012 009 (100.0)	2010
39 886 (0.8)	360 983 (7.2)	960 (0.02)	5 021 315 (100.0)	2011
42 340 (0.9)	365 992 (7.5)	977 (0.02)	4 904 517 (100.0)	2012
44 101 (0.9)	378 334 (7.7)	1 016 (0.02)	4 905 153 (100.0)	2013

Railways	Coastal shipping	Aircraft	Total	
53 916 (39.0)	63 579 (46.0)	6 (0.00)	138 302 (100.0)	FY 1960
56 678 (30.5)	80 635 (46.4)	21 (0.01)	185 726 (100.0)	1965
63 031 (18.0)	151 243 (43.2)	74 (0.02)	350 264 (100.0)	1970
47 058 (13.1)	183 579 (50.9)	152 (0.04)	360 490 (100.0)	1975
37 428 (8.5)	222 173 (50.6)	290 (0.07)	438 792 (100.0)	1980
21 919 (5.0)	205 818 (47.4)	482 (0.11)	434 160 (100.0)	1985
27 196 (5.0)	244 546 (44.7)	799 (0.15)	546 785 (100.0)	1990
25 101 (4.5)	238 330 (42.6)	924 (0.17)	559 002 (100.0)	1995
22 136 (3.8)	241 671 (41.8)	1 075 (0.19)	578 000 (100.0)	2000
22 193 (3.8)	244 451 (42.1)	994 (0.17)	580 710 (100.0)	2001
22 131 (3.9)	235 582 (41.3)	991 (0.17)	570 732 (100.0)	2002
22 794 (4.0)	218 190 (38.7)	1 027 (0.18)	563 873 (100.0)	2003
22 476 (3.9)	218 833 (38.4)	1 058 (0.19)	569 999 (100.0)	2004
22 813 (4.0)	211 576 (37.1)	1 075 (0.19)	570 443 (100.0)	2005
23 192 (4.0)	207 849 (35.9)	1 094 (0.19)	578 669 (100.0)	2006
23 334 (4.0)	202 962 (34.9)	1 145 (0.20)	582 241 (100.0)	2007
22 256 (4.0)	187 859 (33.7)	1 078 (0.19)	557 613 (100.0)	2008
20 562 (3.9)	167 315 (32.0)	1 043 (0.20)	523 587 (100.0)	2009
20 398 (4.6)	179 898 (40.3)	1 032 (0.23)	446 078 (100.0)	2010
19 998 (4.7)	174 900 (40.8)	992 (0.23)	428 583 (100.0)	2011
20 471 (5.0)	177 791 (43.3)	1 017 (0.25)	410 948 (100.0)	2012
21 071 (5.0)	184 860 (43.7)	1 049 (0.25)	422 865 (100.0)	2013

2. Passenger and Freight Transport in Japan and Other Countries

2-1 Passenger transport in Japan and other countries (passenger-kilometers)

x 1 billion passenger-kilometers (% in parentheses)

	Survey year	Passenger cars	Buses	Railways	Coastal shipping	Aircraft	Total
Japan	2010	779.2 (58.7)	77.7 (5.9)	393.5 (29.6)	3.0 (0.2)	73.8 (5.6)	1 327.2 (100)
U.S.A	2010	6 359.9 (82.1)	470.4 (6.1)	10.3 (0.1)	—	908.9 (11.7)	7 749.5 (100)
U.K.	2009	680.2 (86.2)	38.5 (4.9)	62.5 (7.9)	—	8.3 (1.1)	789.5 (100)
France	2009	723.9 (82.1)	48.9 (5.5)	99.2 (11.3)	—	9.7 (1.1)	881.7 (100)
Germany	2009	886.8 (84.1)	62.4 (5.9)	98.9 (9.4)	—	6.5 (0.6)	1 054.6 (100)

Source: Transportation-related Statistics Data Collection (Ministry of Land, Infrastructure, Transport and Tourism)
Note: 1. Since the values of Japan are excluded the private car, it has deviated greatly from the actual situation
Note: 2. Figures for passenger cars for the U.S.A. include motorcycles
Note: 3. Figures for buses for U.K. are those for public transport vehicles
Note: 4. Figures for buses for Germany are the total of all public transport modes including taxis and streetcars

2-2 Freight transport in Japan and other countries (ton-kilometers)

x 1 billion ton-kilometers (% in parentheses)

	Survey year	Trucks	Railways	Coastal shipping	Aircraft	Pipeline	Total
Japan	2010	24.5 (10.9)	20.4 (9.0)	179.9 (79.7)	1.0 (0.4)	—	225.8 (100)
U.S.A	2009	— (32.0)	2 237.0 (39.0)	696.6 (12.0)	17.6 (0.0)	— (16.0)	— (100)
U.K.	2009	131.6 (80.3)	21.2 (12.9)	0.2 (0.1)	0.7 (0.4)	10.2 (6.2)	163.9 (100)
France	2009	156.0 (72.3)	32.1 (14.9)	8.7 (4.0)	0.9 (0.4)	18.2 (8.4)	215.9 (100)
Germany	2009	245.6 (59.4)	95.8 (23.2)	55.7 (13.5)	0.6 (0.1)	16.0 (3.9)	413.7 (100)

Source: Transportation-related Statistics Data Collection (Ministry of Land, Infrastructure, Transport and Tourism)
Note: 1. Figures for passenger cars and buses for Japan is corrected by "Motor Vehicle Transport Statistical Yearbook"

3. Road Traffic in Japan and Other Countries

3-1 Vehicle kilometers traveled in Japan

(unit: 1 million kilometers)

	Passenger cars			Trucks			Total
	Passenger cars (excl. light vehicles)	Buses	Sub total	Commercial use (excl. light trucks)	Private use (excl. light trucks)	Sub total	
FY 1960	8 725	1 994	10 719	4 377	13 068	17 445	28 164
1965	34 002	3 590	37 592	8 465	36 098	44 563	82 155
1970	120 582	5 394	125 976	15 592	84 448	100 040	226 017
1975	176 035	5 451	181 486	17 922	86 938	104 859	286 345
1980	241 459	6 046	247 505	26 883	114 664	141 547	389 052
1985	275 557	6 352	281 908	34 682	111 851	146 533	428 442
1990	350 317	7 112	357 429	48 459	122 077	170 536	527 964
1995	407 001	6 768	413 769	60 341	122 253	182 594	596 363
1996	418 980	6 706	425 686	63 135	121 362	184 496	615 939
1997	425 988	6 641	432 629	63 956	118 514	182 470	615 099
1998	427 689	6 520	434 209	63 225	116 517	179 742	613 951
1999	438 550	6 601	445 151	65 641	115 494	181 135	626 286
2000	438 204	6 619	444 823	69 204	116 728	185 932	630 755
2001	448 845	6 762	455 607	69 344	114 867	184 211	639 818
2002	445 134	6 653	451 787	70 652	111 956	182 608	634 395
2003	438 730	6 662	445 392	72 897	110 480	183 377	628 769
2004	429 260	6 665	435 925	71 607	102 804	174 411	610 336
2005	417 537	6 650	424 187	70 829	97 473	168 302	592 489
2006	405 388	6 655	412 043	73 103	95 337	168 440	580 483
2007	398 579	6 726	405 305	74 271	94 229	168 500	573 805
2008	382 499	6 568	389 067	72 148	91 015	163 163	552 230
2009	382 740	6 549	389 289	69 488	86 265	155 753	545 042

	Gasoline		Light oil		LPG	CNG	Total
	Commercial	Private	Commercial	Private			
2010	7 668	564 084	66 309	55 963	12 161	429	706 614
2011	7 482	572 516	64 535	53 632	11 245	424	709 834
2012	7 809	602 209	58 021	52 814	10 689	401	731 943
2013	7 874	621 693	55 922	49 984	10 335	369	746 177

Source: Transportation-related Statistics Data Collection; Annual Report of Automobile Fuel Consumption Statistics (Ministry of Land, Infrastructure, Transport and Tourism)

Note: The survey method and aggregation method has been changed from FY 2010. Because the numbers are aggregated by fuel, also the number of the light cars is added, so the numbers are not continuous from 2010.

3-2 Vehicle-kilometers traveled in Japan and other countries

(unit: 1 million vehicle-kilometers)

	Survey year	Passenger cars	Buses	Trucks	Total
Asia					
Japan	2012	—		—	731 943
Korea	2012	193 371	23 100	63 172	279 643
China	2000	418 330	—	422 630	—
Hong-Kong	2012	7 345	1 297	3 515	12 157
Singapore	2012	11 149	568	5 203	16 920
India	2002	208 581	63 500	297 374	569 455
Turkey	2012	64 926	4 110	24 953	93 989
Europe					
U.K.	2012	386 678	4 381	91 441	482 500
Germany	2011	608 800	3 255	80 000	692 055
France	2012	426 280	3 511	119 988	549 779
Netherlands	2012	102 697	627	23 886	127 210
Bergium	2012	79 147	796	18 316	98 259
Spain	2012	—	—	—	115 010
Portugal	2012	—	389	—	—
Greece	2010	54 848	1 277	15 542	71 667
Switzerland	2012	52 582	124	6 185	58 891
Austria	2011	63 900	510	11 900	76 310
Norway	2012	33 115	366	9 415	42 896
Sweden	2012	62 806	949	12 195	75 950
Finland	2012	46 620	580	7 035	54 235
Denmark	2012	35 325	563	9 643	45 531
Poland	2012	166 095	2 062	34 742	202 899
Hungary	2012	24 314	637	9 714	34 665
Ukraine	2012	4 874	2 736	6 872	14 482
America					
U.S.A.	2012	3 320 643	23 745	1 399 170	4 743 558
Canada	2009	213 734	—	119 147	332 881
Mexico	2012	111 536	5 997	32 707	150 240
Africa					
Morocco	2006	23 037	—	—	—
South Africa	2007	75 573	9 007	47 278	131 858
Oceania					
Australia	2012	169 585	2 352	61 385	233 322
New Zealand	2012	36 852	241	2 522	39 615

Source: World Road Statistics (IRF)

4. Road Traffic in Japan

4-1 Traffic volume by road type/ average travel speed at peak hours

Type of road	FY	Length of road surveyed (km)	Vehicle-kilometers traveled in 12 hours (x 1000 vehicle-kilometers)	Passenger cars	Small trucks	Buses	Ordinary trucks	Estimated vehicle-kilometers traveled in 24 hours (x 1000 vehicle-kilometers)	Passenger cars	Trucks	Average travel speed at peak hours (km/h)
				Small vehicles(2010～)		Ordinary vehicles(2010～)			Small vehicles	Ordinary Vehicles	
National expressways	1980	2 698.8	38 933	15 424	9 590	1 130	12 789	55 512	21 352	34 160	82.95
	1985	3 555.4	51 762	22 699	10 953	1 465	16 646	76 438	35 066	41 372	82.81
	1990	4 675.3	80 526	34 973	16 838	2 256	26 460	121 629	55 180	66 449	84.99
	1994	5 567.7	105 461	49 661	21 051	2 620	32 128	153 673	75 083	78 590	78.34
	1999	7 094.9	128 829	69 668	22 972	2 692	33 498	187 687	94 167	93 521	79.11
	2005	8 513.1	140 500	82 193	20 092	2 660	35 406	202 400	108 180	94 220	78.20
	2010	7 807.6	149 665	110 153		39 512		214 564	138 596	75 968	71.10
Urban expressways	1980	250.8	12 316	5 638	3 943	102	2 632	17 118	8 638	8 480	42.27
	1985	322.5	16 013	7 299	5 139	194	3 381	23 592	10 997	12 595	40.05
	1990	421.0	20 820	9 750	5 766	235	5 068	32 172	15 322	16 850	51.28
	1994	490.7	23 738	11 497	5 915	236	6 090	35 634	17 436	18 198	24.58
	1999	604.1	28 032	16 578	5 107	335	6 012	41 262	25 283	15 979	44.31
	2005	675.4	29 786	16 919	5 570	447	6 881	42 931	25 302	17 629	40.40
	2010	738.7	31 239	25 126		6 113		44 142	34 635	9 507	41.70
Expressways total	1980	2 949.6	51 249	21 062	13 533	1 232	15 422	72 630	29 990	42 640	79.42
	1985	3 877.9	67 775	29 998	16 092	1 659	20 027	100 030	46 063	53 967	76.06
	1990	5 096.3	101 346	44 724	22 604	2 490	31 528	153 802	70 502	83 300	80.62
	1994	6 058.4	129 198	61 158	26 967	2 855	38 218	189 307	92 518	96 789	66.55
	1999	7 699.0	156 861	86 246	28 079	3 026	39 510	228 949	119 450	109 500	74.50
	2005	9 188.5	170 290	99 109	25 714	3 065	42 402	245 331	133 482	111 849	73.10
	2010	10 083.7	197 788	148 403		49 385		281 170	189 733	91 436	67.50
National roads (government management)	1980	19 025.0	191 007	91 783	59 238	3 457	36 530	254 878	130 363	124 515	40.86
	1985	19 710.0	208 403	101 545	64 800	3 269	38 789	284 962	142 869	142 093	37.08
	1990	20 052.3	242 582	119 468	72 413	3 365	47 336	336 002	169 790	166 212	36.92
	1994	20 622.1	263 293	142 268	66 134	3 053	51 838	362 013	199 372	162 642	34.92
	1999	20 837.4	279 297	164 875	58 869	2 867	52 685	389 786	234 203	155 583	34.62
	2005	21 280.9	281 099	174 282	53 409	2 530	50 598	390 137	243 649	146 488	34.70
	2010	21 874.0	266 801	220 098		46 702		364 001	291 259	72 743	36.50
National roads (other)	1980	20 920.9	93 836	46 721	31 900	2 048	13 167	119 232	65 154	54 078	38.01
	1985	26 395.7	123 550	61 379	43 637	2 258	16 275	159 835	82 397	77 438	36.74
	1990	26 672.3	148 720	74 334	50 639	2 366	21 381	194 672	100 544	94 128	37.63
	1994	32 428.6	185 088	101 366	54 502	2 444	26 777	239 627	134 577	105 051	36.66
	1999	32 558.2	202 744	123 706	47 695	2 433	28 911	266 163	170 278	95 885	38.21
	2005	32 954.6	204 714	132 859	42 581	2 457	27 022	267 896	180 855	87 041	38.20
	2010	32 450.1	203 166	176 179		26 987		263 489	226 923	36 566	38.10
National roads total	1980	39 945.9	284 843	138 504	91 137	5 505	49 697	374 110	195 517	178 593	39.37
	1985	46 105.7	331 952	162 925	108 436	5 528	55 064	444 797	225 266	219 531	36.88
	1990	46 724.6	391 302	193 802	123 052	5 732	68 717	530 674	270 334	260 340	37.32
	1994	53 050.7	448 381	243 634	120 636	5 497	78 614	601 641	333 948	267 692	35.96
	1999	53 395.6	482 041	288 581	106 565	5 299	81 596	655 949	404 481	251 468	36.72
	2005	54 235.5	485 787	307 018	95 700	4 858	77 726	658 032	424 503	233 529	36.70
	2010	54 324.1	469 967	396 277		73 690		627 490	518 181	109 309	37.40
Principal local roads	1980	43 582.3	156 748	79 204	54 995	3 079	19 470	201 848	114 493	87 355	36.22
	1985	49 159.7	184 220	92 800	66 155	3 134	22 131	240 932	125 619	115 313	33.73
	1990	49 710.0	216 726	110 233	75 183	3 191	28 119	287 033	150 468	136 565	35.63
	1994	56 178.6	269 128	145 938	76 502	3 223	33 465	339 056	195 382	143 674	32.91
	1999	56 377.4	284 268	177 061	67 562	3 137	36 508	377 036	250 254	126 782	33.83
	2005	57 718.3	289 169	190 851	60 725	3 181	34 411	383 419	265 774	117 646	34.20
	2010	56 512.7	279 402	246 035		33 367		365 228	320 821	44 407	33.60
General prefectural roads	1980	86 583.6	165 874	85 537	60 391	3 132	16 814	210 507	121 844	88 663	—
	1985	74 198.8	162 282	82 354	61 202	2 678	16 047	210 693	110 677	100 016	34.24
	1990	75 730.9	195 980	99 843	72 168	2 743	21 226	253 172	133 017	120 155	33.60
	1994	64 341.2	173 097	97 566	54 768	2 100	18 663	221 357	127 801	93 556	32.11
	1999	67 971.2	198 329	124 321	50 310	2 195	21 502	237 908	172 310	85 598	33.01
	2005	70 599.9	199 374	133 182	44 062	2 193	19 937	259 499	182 940	76 558	33.10
	2010	68 176.5	193 546	173 974		19 573		250 817	224 373	26 444	32.70
Local roads total	1980	130 165.9	322 622	164 741	115 387	6 211	36 284	412 355	236 337	176 018	36.22
	1985	123 358.5	346 503	175 155	127 357	5 813	38 178	451 625	236 296	215 329	33.74
	1990	125 440.9	412 706	210 077	147 351	5 934	49 345	540 205	283 485	256 720	34.19
	1994	120 519.8	432 225	243 504	131 270	5 323	52 128	560 413	323 183	237 230	32.48
	1999	124 730.0	482 597	301 383	117 872	5 332	58 010	634 944	422 564	212 380	33.38
	2005	128 318.2	488 507	323 880	104 541	5 374	54 713	642 918	448 714	194 204	33.60
	2010	124 689.2	472 948	420 008		52 940		616 045	545 194	70 851	33.10
National roads and local roads ,total	1980	170 111.8	607 466	303 245	206 524	11 716	85 981	786 466	431 854	354 612	37.74
	1985	169 464.2	678 455	338 080	235 794	11 340	93 242	896 422	461 562	434 860	35.19
	1990	172 165.5	804 008	403 879	270 403	11 665	118 061	1 070 879	533 819	517 060	34.41
	1994	173 570.5	880 607	487 138	251 906	10 820	130 743	1 162 054	657 132	504 922	33.48
	1999	178 125.6	964 638	589 964	224 437	10 631	139 606	1 290 893	827 045	463 848	34.32
	2005	182 553.7	974 289	631 339	200 704	10 717	132 503	1 300 950	873 217	427 733	34.50
	2010	179 013.3	942 915	816 285		126 629		1 243 535	1 063 376	180 160	34.30
Overall total	1980	173 061.4	658 715	324 307	220 057	12 948	101 402	859 115	461 863	397 252	39.15
	1985	173 342.1	746 230	368 077	251 885	12 999	113 269	996 452	507 625	488 827	35.95
	1990	177 261.8	905 351	448 602	293 007	14 156	149 586	1 224 681	624 321	600 360	34.41
	1994	179 628.9	1 009 805	548 296	278 872	13 675	168 961	1 351 361	749 650	601 711	34.06
	1999	185 186.7	1 115 622	672 885	251 516	13 504	177 718	1 511 810	942 060	569 750	35.04
	2005	190 607.6	1 134 687	725 065	224 668	13 616	172 472	1 532 720	998 947	533 773	35.30
	2010	187 559.6	1 123 819	951 564		172 255		1 502 241	1 236 607	265 635	35.10

Source: Road Traffic Census (Japan Society of Traffic Engineering)
Note: In FY 2010, aggregation methods for segmenting of vehicle model have been changed from 4 classes to 2 classes.

4-2 Traffic volume in major cities / average travel speed at peak hours

	Lengs of road surveyed(km)	Vehicle-kilometers traveled in 12 hours(x 1000 vehicle-kilometers)							Average travel speed at peak hours (km/h)						
	2010	1980	1985	1990	1994	1999	2005	2010	1980	1985	1990	1994	1999	2005	2010
Sapporo City, Hokkaido	152.3	2 572	2 688	3 099	3 463	3 574	3 167	3 080	29.4	29.0	30.3	27.5	24.6	23.2	25.9
Sendai City, Miyagi Pref.	145.3	—	—	2 373	2 627	2 845	2 951	3 080	—	—	19.6	24.1	22.2	22.6	30.0
Special Wards of Tokyo	189.1	5 491	5 584	5 663	5 917	6 156	5 269	5 241	21.4	14.8	19.1	11.6	18.0	18.2	16.2
Yokohama City, Kanagawa Pref.	157.2	3 428	4 597	4 968	5 998	6 152	5 589	5 579	31.4	23.3	27.0	18.2	23.0	23.4	23.0
Kawasaki City, Kanagawa Pref.	54.6	444	527	861	1 349	1 219	792	1 231	24.6	17.4	19.3	19.7	20.0	22.7	21.1
Nagoya City, Aichi Pref.	125.9	3 181	3 408	3 629	3 785	3 671	3 616	3 953	25.6	19.7	19.3	13.1	19.6	20.6	17.6
Kyoto City, Kyoto Pref.	168.4	1 923	2 070	2 292	2 339	2 276	2 238	2 192	29.7	23.8	20.2	20.9	21.6	25.4	26.4
Osaka City, Osaka Pref.	114.1	2 177	2 893	2 945	3 434	3 216	2 779	2 986	21.5	19.5	18.3	20.1	17.0	15.9	16.5
Kobe City, Hyogo Pref.	134.3	2 463	2 786	3 340	3 469	3 458	2 854	3 184	38.6	32.9	30.4	28.2	33.6	32.0	27.5
Hiroshima City, Hiroshima Pref.	160.5	1 909	2 144	2 503	2 783	2 888	2 859	3 013	30.9	24.3	25.7	21.7	20.2	23.6	28.6
Kitakyushu City, Fukuoka Pref.	162.8	3 251	3 413	3 688	3 209	3 257	3 210	3 151	33.6	26.9	26.6	23.5	25.7	22.7	23.1
Fukuoka City, Fukuoka Pref.	107.0	1 673	1 868	2 223	2 144	1 954	2 006	2 208	24.5	18.7	22.2	17.1	18.4	18.7	17.7

Source: Road Traffic Census (Japan Society of Traffic Engineering)
Note: The figures are measured on national highways.

5. Roads in Japan and Other Countries

5-1 Length of roads in Japan

(km, at the end of beginning of each fiscal year)

	National expressway	National Highways	Prefectural roads	Principal local roads	General prefectural roads	Municipal roads	General roads total	Total
FY 1955	—	24 092	120 536	28 019	92 517	—	—	144 628
1960	—	24 918	122 124	27 419	94 705	814 872	961 914	961 914
1965	181	27 858	120 513	32 775	87 738	836 382	984 753	984 934
1970	638	32 818	121 180	28 450	92 730	859 953	1 013 951	1 014 589
1975	1 519	38 540	125 714	33 503	92 211	901 775	1 066 028	1 067 547
1980	2 579	40 212	130 836	43 906	86 930	939 760	1 110 808	1 113 387
1985	3 555	46 435	127 436	49 947	77 489	950 078	1 123 950	1 127 505
1990	4 661	46 935	128 782	50 354	78 428	934 319	1 110 037	1 114 698
1995	5 677	53 327	125 512	57 040	68 472	957 792	1 136 631	1 142 308
1996	5 932	53 278	126 915	57 206	69 709	961 406	1 141 600	1 147 532
1997	6 114	53 355	127 663	57 338	70 325	965 074	1 146 092	1 152 206
1998	6 402	53 628	127 911	57 403	70 508	968 429	1 149 969	1 156 371
1999	6 455	53 685	127 916	57 354	70 562	973 838	1 155 439	1 161 894
2000	6 617	53 777	128 182	57 438	70 745	977 764	1 159 723	1 166 340
2001	6 851	53 866	128 409	57 574	70 835	982 521	1 164 796	1 171 647
2002	6 915	53 866	128 554	57 585	70 969	987 943	1 170 363	1 177 278
2003	7 196	54 004	128 719	57 673	71 046	992 674	1 175 398	1 182 594
2004	7 296	54 084	128 962	57 803	71 160	997 296	1 180 342	1 187 638
2005	7 383	54 264	129 139	57 821	71 318	1 002 085	1 185 589	1 192 972
2006	7 392	54 347	129 294	57 903	71 390	1 005 975	1 189 616	1 197 008
2007	7 431	54 530	129 329	57 914	71 415	1 009 599	1 193 459	1 200 890
2008	7 560	54 736	129 393	57 890	71 502	1 012 088	1 196 217	1 203 777
2009	7 642	54 790	129 377	57 877	71 500	1 016 058	1 200 225	1 207 867
2010	7 803	54 981	129 366	57 868	71 499	1 018 101	1 202 449	1 210 252
2011	7 920	55 114	129 343	57 901	71 442	1 020 286	1 204 744	1 212 664
2012	8 050	55 222	129 397	57 924	71 473	1 022 248	1 206 867	1 214 917
2013	8 358	55 432	129 397	57 931	71 444	1 023 962	1 208 769	1 217 127

Source: Annual Report on Road Statistics ((～2009)Japan Highway Users Conference, (2010～)Ministry of Land, Infrastructure, Transport and Tourism)

5-2 Length of roads in Japan and other countries (km)

	Survey year	Expressways	Principal roads	Second-class roads	Other roads	Total	Road density (expressway & principal roads) by area (m/km2)	Road density (expressway & principal roads) by vehicle owned (m/vehicle)
Asia								
Japan	2012	8 050	51 237	91 440	190 782	341 509	156.9	0.8
Korea	2012	4 044	13 766	18 162	69 731	105 703	180.4	0.9
Taiwan	2012	989	5 154	3 551	32 209	41 903	170.6	0.8
China	2012	96 200	74 271	331 455	3 735 582	4 237 508	18.3	1.4
Hong-Kong	2012	2 090	—	—	—	2 090	1 893.1	3.3
Thailand	2006	450	51 405	44 000	84 198	180 053	101.5	3.7
Malaysia	2012	—	—	—	—	180 882	—	—
Indonesia	2012	—	38 570	53 642	409 757	501 969	21.3	2.0
Singapore	2012	161	652	561	2 051	3 425	1 355.0	1.0
India	2012	—	76 818	1 186 647	3 601 929	4 865 394	25.8	2.4
Turkey	2012	2 127	31 375	31 880	329 366	394 748	42.8	2.5
Europe								
U.K.	2012	3 733	49 076	122 743	244 795	420 347	218.3	1.5
Germany	2012	12 879	39 604	178 034	413 000	643 517	150.4	1.1
France	2012	11 491	8 894	377 965	664 343	1 062 693	37.1	0.5
Netherlands	2011	2 651	2 470	7 863	124 707	137 691	151.2	0.6
Bergium	2011	1 763	12 900	1 349	138 000	154 012	473.0	2.3
Italy	2005	6 700	21 500	147 400	312 100	487 700	95.9	0.7
Spain	2012	3 025	23 500	139 070	501 053	666 648	52.4	1.0
Portugal	2011	2 737	6 254	4 420	8 750	22 161	97.5	1.6
Greece	2012	1 197	9 299	30 864	75 600	116 960	73.3	1.6
Switzerland	2012	1 809	18 013	51 691	—	71 513	495.6	4.2
Austria	2012	1 719	10 477	23 642	88 750	124 588	147.9	2.4
Norway	2012	392	10 189	44 317	38 970	93 868	32.7	3.5
Sweden	2011	1 920	13 465	83 079	481 676	580 140	37.5	3.0
Finland	2012	779	13 329	13 550	51 236	78 894	41.7	3.9
Denmark	2012	1 186	2 646	0	70 276	74 108	90.3	1.4
Poland	2012	1 365	17 817	28 423	364 430	412 035	59.4	0.8
Hungary	2012	1 515	6 836	23 341	170 249	201 941	89.8	2.4
Ukraine	2012	15	21 249	78 986	69 459	169 709	35.2	2.1
America								
U.S.A.	2012	76 335	25 531	1 932 222	4 552 535	6 586 623	11.1	0.4
Canada	2009	17 000	86 000	115 000	1 191 000	1 409 000	11.3	4.6
Mexico	2012	8 900	40 752	83 982	244 026	377 660	26.0	1.4
Brasil	2012	—	100 183	222 176	1 261 745	1 584 104	11.8	2.5
Argentina	2012	—	39 620	188 892	—	228 512	14.3	3.2
Africa								
Egypt	2010	836	23 143	113 451	—	137 430	24.1	5.3
South Africa	2001	239	2 887	60 027	300 978	364 131	2.6	0.3
Oceania								
Australia	2012	51 847	181 314	—	666 922	900 083	30.4	14.2
New Zealand	2012	—	10 916	83 244	—	94 160	40.7	3.4

Source: World Road Statistics (IRF), World Road Statistics (Japan Road Association)
Note: Only vehicles that have at least four wheels are counted as vehicles owned.

5-3 Changes in the amount of investment for road construction in Japan

(x 100 million yen)

	General road construction		Toll road construction		Independent construction by local government		Total	
	Amount of investment	From the previous FY, increased by (%)	Amount of investment	From the previous FY, increased by (%)	Amount of investment	From the previous FY, increased by (%)	Amount of investment	From the previous FY, increased by (%)
FY 1960	1 243	8.4	281	92.1	589	26.5	2 113	20.1
1965	4 109	15.4	1 254	2.7	1 628	13.3	6 991	12.4
1970	7 784	17.9	3 100	15.0	5 095	31.9	15 979	21.4
1975	14 140	0.7	7 517	7.6	7 893	△3.1	29 550	1.3
1980	26 428	△1.6	13 067	3.3	18 795	10.5	58 290	3.2
1985	31 581	20.5	18 819	7.1	21 473	△3.9	71 874	8.7
1990	43 675	1.4	27 339	6.3	36 253	13.9	107 328	6.6
1991	44 685	2.3	30 311	10.6	39 647	9.4	114 643	6.8
1992	53 110	18.9	33 874	11.8	46 937	18.4	133 921	16.8
1993	63 568	19.7	36 918	9.0	50 156	6.9	150 642	12.5
1994	50 130	△21.1	36 476	△1.2	49 368	△1.6	135 974	△9.7
1995	66 131	31.9	35 677	△2.2	50 937	3.2	152 745	12.3
1996	54 572	△17.5	34 236	△4.0	53 342	4.7	142 151	△6.9
1997	51 873	△4.9	33 729	△1.5	50 958	△4.5	136 560	△3.9
1998	72 789	40.3	32 590	△3.4	48 687	△4.5	154 066	12.8
1999	63 550	△12.7	28 496	△12.6	42 956	△11.8	135 002	△12.4
2000	62 168	△2.2	25 810	△9.4	39 708	△7.6	127 686	△5.4
2001	60 690	△2.4	25 725	△0.3	36 527	△8.0	122 942	△3.7
2002	58 092	△4.3	21 692	△15.7	33 676	△7.8	113 460	△7.7
2003	50 916	△12.4	21 035	△3.0	30 521	△9.4	102 471	△9.7
2004	49 934	△2.0	18 675	△11.2	26 850	△12.0	95 459	△6.8
2005	48 343	△3.2	16 201	△13.2	23 986	△10.7	88 530	△7.3
2006	47 870	△1.0	14 277	△11.9	23 200	△3.3	85 347	△3.6
2007	46 198	△3.5	14 343	0.5	20 916	△3.9	81 457	△2.9
2008	43 631	△5.6	13 563	△5.4	19 386	△7.3	76 580	△6.0
2009	47 910	0.1	10 776	△0.2	18 027	△0.1	76 713	0.0
2010	39 851	△0.2	9 081	△0.2	17 941	0.0	66 873	△0.1
2011	39 077	0.0	9 198	0.0	18 040	0.0	66 315	0.0
2012	38 094	0.0	10 727	0.2	18 211	0.0	67 032	0.0

Source: Road Handbook (Japan Highway Users Conference)

6. The Number of Motor Vehicles Owned in Japan and Other Countries

6-1 The Number of motor vehicles owned in Japan

(prior to 1999, vehicles were counted at the end of December; afterward, at the end of March)

	Passenger cars	Light four-wheeled passenger cars	Trucks	Light four-wheeled trucks	Buses	Vehicles for special use	Total
1950	42 588	—	152 109	—	18 306	12 494	225 497
1955	153 325	—	250 988	—	34 421	32 572	471 306
1960	457 333	37 530	775 715	36 648	56 192	64 286	1 353 526
1965	2 181 275	393 786	3 865 478	1 405 442	102 695	150 572	6 300 020
1970	8 778 972	2 244 417	8 281 759	3 005 017	187 980	333 132	17 581 843
1975	17 236 321	2 611 130	10 043 853	2 785 182	226 284	584 100	28 090 558
1980	23 659 520	2 176 110	13 177 479	4 527 794	230 020	789 155	37 856 174
1985	27 844 580	2 016 487	17 139 806	8 791 289	231 228	941 647	46 157 261
1990	34 924 172	2 584 926	21 321 439	12 535 415	245 668	1 206 390	57 697 669
1995	44 680 037	5 775 386	20 430 149	11 642 311	243 095	1 500 219	66 853 500
1996	46 868 362	6 552 382	20 089 329	11 336 096	242 243	1 601 444	68 801 378
1997	48 610 747	7 264 826	19 652 180	10 983 683	240 354	1 500 016	70 003 297
1998	49 895 735	7 980 965	19 080 885	10 632 080	237 701	1 600 233	70 814 554
1999	51 222 129	9 166 424	18 424 997	10 158 863	235 725	1 386 036	71 268 887
2000	52 449 354	10 084 285	18 064 744	9 958 458	235 550	1 431 162	72 180 810
2001	53 487 293	10 959 561	17 726 154	9 819 281	234 244	1 429 840	72 877 531
2002	54 471 376	11 816 447	17 343 079	9 677 137	233 180	1 395 991	73 443 626
2003	55 288 124	12 663 918	17 015 253	9 600 918	231 984	1 349 798	73 885 159
2004	56 288 256	13 512 078	16 860 783	9 580 608	232 000	1 318 212	74 699 251
2005	57 097 670	14 350 390	16 707 445	9 547 749	231 696	1 293 236	75 330 047
2006	57 510 360	15 280 951	16 490 944	9 476 686	231 758	1 272 655	75 505 717
2007	57 551 248	16 082 259	16 264 317	9 380 627	230 981	1 251 465	75 298 011
2008	57 682 475	16 883 230	15 858 749	9 291 247	229 804	1 202 242	74 973 270
2009	57 902 835	17 483 915	15 533 270	9 170 836	228 295	1 188 275	74 852 675
2010	58 139 471	18 004 339	15 137 641	8 922 794	226 839	1 175 676	74 679 627
2011	58 729 343	18 585 902	15 008 821	8 872 908	226 270	1 171 571	75 136 005
2012	59 357 223	19 347 873	14 851 666	8 783 528	226 047	1 654 739	76 089 675
2013	60 051 338	20 230 295	14 749 266	8 708 181	226 542	1 669 679	76 696 825

Source: (～1999) survey by Ministry of Transport; (2000～2011) Transportation-related Statistics Data Collection (Ministry of Land, Infrastructure, Transport and Tourism); (2012～)Automobile Inspection & Registration Information Association, Light Motor Vehicle Inspection Organization

Note: 1. For statistics of light passenger cars owned and light trucks owned: those that had not had a vehicle inspection were erased from the data in October 1975; data from 1975 onward are not in sequence with data of 1970 and before. Figures for 1999 onward are those collected at the end of the fiscal year; they are not in sequence with figures before 1999.

Note: 2. Since source of data are different, the number of vehicles for special use are not continuous.

6-2 The number of motor vehicles owned in Japan and other countries (2013) (vehicle)

	Passenger cars (×1000)	Number of cars per 1000 inhabitants	Buses, trucks, etc. (×1000)	Number of buses, trucks, etc. per 1000 inhabitants	Total (×1000)	Number of vehicles per 1000 inhabitants
Asia						
Japan	60 035	472.2	16 584	130.4	76 619	602.6
Korea	15 078	306.1	4 323	87.8	19 401	393.8
Taiwan	6 237	268.4	1 070	46.0	7 307	314.5
China	55 930	40.4	63 580	45.9	119 510	86.3
Hong-Kong	476	66.1	157	21.8	633	87.9
Thailand	7 109	106.1	6 813	101.7	13 922	207.8
Malaysia	11 154	375.3	1 142	38.4	12 296	413.8
Indonesia	11 485	46.0	7 901	31.6	19 386	77.6
Singapore	607	112.2	206	38.1	813	150.2
India	21 551	17.2	10 948	8.7	32 499	26.0
Turkey	9 284	123.9	4 331	57.8	13 615	181.7
Europe						
U.K.	31 918	505.5	4 365	69.1	36 283	574.7
Germany	43 851	530.1	3 163	38.2	47 014	568.3
France	31 650	492.3	6 550	101.9	38 200	594.2
Netherlands	8 154	486.5	1 053	62.8	9 207	549.4
Bergium	5 439	489.8	859	77.4	6 298	567.2
Italy	36 963	606.1	4 867	79.8	41 830	685.9
Spain	22 025	469.3	5 130	109.3	27 155	578.7
Portugal	4 480	422.3	1 273	120.0	5 753	542.3
Greece	5 124	460.5	1 343	120.7	6 467	581.1
Switzerland	4 321	534.9	431	53.4	4 752	588.3
Austria	4 641	546.3	435	51.2	5 076	597.5
Norway	2 487	493.2	579	114.8	3 066	608.0
Sweden	4 502	470.4	580	60.6	5 082	531.0
Finland	3 106	572.4	536	98.8	3 642	671.2
Denmark	2 278	405.4	458	81.5	2 736	486.9
Poland	19 389	507.3	3 345	87.5	22 734	594.9
Hungary	3 041	305.5	436	43.8	3 477	349.3
Ukraine	8 541	188.8	1 672	37.0	10 213	225.8
America						
U.S.A.	120 214	375.6	132 501	414.0	252 715	789.6
Canada	21 262	604.3	1 072	30.5	22 334	634.8
Mexico	24 286	198.5	10 094	82.5	34 380	281.0
Brasil	31 339	156.4	8 356	41.7	39 695	198.1
Argentina	9 452	228.1	3 041	73.4	12 493	301.4
Africa						
Egypt	3 380	41.2	1 164	14.2	4 544	55.4
South Africa	6 377	120.8	2 922	55.4	9 299	176.2
Oceania						
Australia	13 000	556.9	3 382	144.9	16 382	701.8
New Zealand	2 700	599.2	534	118.5	3 234	717.7

Source: World motor vehicle statistics (Japan Automobile Manufacturers Association)

7. The Number of People Who Hold a Driver' s License in Japan (end of 2014) (persons, %)

	Male		Female		Total	
		% of license holders		% of license holders		% of license holders
Age 15～19*	589 821	19.2	398 995	13.7	988 816	16.5
Age 20～24	2 592 702	81.0	2 203 596	73.0	4 796 298	77.2
Age 25～29	3 176 756	93.4	2 811 533	86.5	5 988 289	90.0
Age 30～34	3 671 376	97.4	3 340 050	91.0	7 011 426	94.2
Age 35～39	4 258 200	97.4	3 911 443	92.0	8 169 643	94.8
Age 40～44	4 848 704	97.6	4 466 368	92.1	9 315 072	94.9
Age 45～49	4 229 297	97.4	3 880 065	90.4	8 109 362	94.0
Age 50～54	3 791 510	97.0	3 419 943	87.7	7 211 453	92.2
Age 55～59	3 615 288	95.4	3 157 328	82.2	6 772 616	88.8
Age 60～64	4 035 760	92.8	3 288 108	72.7	7 323 868	82.6
Age 65～69	4 076 811	91.4	2 992 346	62.5	7 069 157	76.4
Age 70～74	3 098 451	84.0	1 747 309	41.2	4 845 760	61.1
Age 75～79	1 945 498	70.0	724 050	20.6	2 669 548	42.4
Age 80～84	1 071 203	54.9	254 744	8.7	1 325 947	27.2
Age 85 and over	428 868	30.0	50 100	1.5	478 968	9.9
Total	45 430 245	73.5	36 645 978	56.1	82 076 223	64.6

Source: Driver's License Statistics (License Division, Traffic Bureau, National Police Agency); Monthly General Statistics Data (Ministry of Internal Affairs and Communications)

* A driver's license can be obtained only from the age of sixteen up. Though shown as "Age 15-19".

8. Traffic Accidents in Japan

8-1 The number of traffic accidents, fatalities, and injuries (person)

	Number of traffic accidents		Number of fatalities	Number of injuries	Note:The number of all traffic accidents, that occurred on expressways (National & designated		
		Number of fatal accidents				Number of fatal accidents	Number of Fatalities
1950	33 212	—	4 202	25 450	—	—	—
1955	93 981	—	6 379	76 501	—	—	—
1960	449 917	—	12 055	289 156	—	—	—
1965	567 286	11 922	12 484	425 666	—	—	—
1970	718 080	15 801	16 765	981 096	—	—	—
1975	472 938	10 165	10 792	622 467	—	—	—
1980	476 677	8 329	8 760	598 719	3 623	155	175
1985	552 788	8 826	9 261	681 346	4 741	223	250
1990	643 097	10 651	11 227	790 295	9 060	401	459
1995	761 789	10 227	10 679	922 677	11 304	375	416
1996	771 084	9 517	9 942	942 203	11 673	359	413
1997	780 399	9 220	9 640	958 925	11 914	353	397
1998	803 878	8 797	9 211	990 675	12 029	326	366
1999	850 363	8 681	9 006	1 050 397	12 986	296	323
2000	931 934	8 707	9 066	1 155 697	14 325	327	367
2001	947 169	8 414	8 747	1 180 955	14 726	336	389
2002	936 721	7 993	8 326	1 167 855	14 083	290	338
2003	947 993	7 456	7 702	1 181 431	13 992	306	351
2004	952 191	7 084	7 358	1 183 120	13 797	272	329
2005	933 828	6 625	6 871	1 156 633	13 775	249	285
2006	886 864	6 147	6 352	1 098 199	13 803	234	262
2007	832 454	5 587	5 744	1 034 445	12 674	222	244
2008	766 147	5 025	5 155	945 504	10 965	174	193
2009	737 474	4 773	4 914	911 108	11 113	161	178
2010	725 773	4 726	4 863	896 208	12 200	166	188
2011	691 937	4 481	4 612	854 493	11 708	188	214
2012	665 138	4 280	4 411	825 396	11 299	196	225
2013	629 021	4 278	4 373	781 494	11 520	208	227
2014	573 842	4 013	4 113	711 374	10 202	189	205

Source: Traffic Statistics (Institute for Traffic Accident Research and Data Analysis)

8-2 The number of fatalities by age group and by circumstances of accident (2014)

(person)

Age group		Situation	In a vehicle			On a motorcycle				Total	On a bicycle	While walking	Other	Total
						Motorcycles			Mopends					
			Driver	Passenger	Subtotal	Driver	Passenger	Subtotal						
15 and under		Fatalities	0	21	21	0	1	1	0	1	19	43	0	84
		increased/decreased by*	-1	-2	-3	0	0	0	0	0	-3	-4	0	-10
Age 16～24	Age 16～19	Fatalities	26	41	67	39	9	48	24	72	14	11	0	164
		increased/decreased by*	-11	10	-1	-3	1	-2	-13	-15	0	4	0	-12
	Age 20～24	Fatalities	61	22	83	48	1	49	14	63	8	20	0	174
		increased/decreased by*	-16	-7	-23	1	-1	0	1	1	-1	0	-1	-24
	Age 16～24	Fatalities	87	63	150	87	10	97	38	135	22	31	0	338
		increased/decreased by*	-27	3	-24	-2	0	-2	-12	-14	-1	4	-1	-36
Age 25～29		Fatalities	55	11	66	34	0	34	8	42	9	27	0	144
		increased/decreased by*	-10	2	-8	-13	0	-13	-1	-14	0	9	0	-13
Age 30～39		Fatalities	94	18	112	67	0	67	13	80	16	53	2	263
		increased/decreased by*	-1	2	1	-7	-3	-10	-3	-13	0	-15	1	-26
Age 40～49		Fatalities	125	21	146	109	0	109	23	132	28	75	0	381
		increased/decreased by*	-4	10	6	8	-2	6	-4	2	-11	-11	0	-14
Age 50～59		Fatalities	141	21	162	68	0	68	29	97	48	104	0	411
		increased/decreased by*	8	1	9	1	0	1	5	6	-12	-12	0	-9
Age 60～69	Age 60～64	Fatalities	94	19	113	19	0	19	12	31	53	102	0	299
		increased/decreased by*	-13	0	-13	-5	-1	-6	-19	-25	0	-3	-1	-42
	Age 65～69	Fatalities	103	24	127	15	0	15	30	45	66	152	1	391
		increased/decreased by*	9	3	12	1	0	1	6	7	8	-10	0	17
	Age 60～69	Fatalities	197	43	240	34	0	34	42	76	119	254	1	690
		increased/decreased by*	-4	3	-1	-4	-1	-5	-13	-18	8	-13	-1	-25
Age 70 and over	Age 70～74	Fatalities	93	28	121	11	0	11	33	44	64	177	1	407
		increased/decreased by*	-6	-4	-10	-1	0	-1	-3	-4	-18	-39	0	-71
	Age 75 and over	Fatalities	232	120	352	21	0	21	69	90	215	734	4	1395
		increased/decreased by*	-6	-9	-15	1	0	1	-9	-8	-23	-5	-5	-56
	Age 70 and over	Fatalities	325	148	473	32	0	32	102	134	279	911	5	1802
		increased/decreased by*	-12	-13	-25	0	0	0	-12	-12	-41	-44	-5	-127
Total		Fatalities	1024	346	1370	431	11	442	255	697	540	1498	8	4113
		increased/decreased by*	-51	6	-45	-17	-6	-23	-40	-63	-60	-86	-6	-260

Source: Traffic Statistics (Institute for Traffic Accident Research and Data Analysis)
Note: "increased/decreased by * "shows the changes from the previous year.

9. The Number of Traffic Fatalities in Japan and Other Countries

	Survey year	Population (×1000)	Number of fatalities	Number of fatalities per 100,000 inhabitants	Number of fatalities per 10,000 motor vehicles owned	Number of fatalities per 100 million vehicle-kilometers
Asia						
Japan	2012	127 144	5 237	4.1	0.68	0.7
Korea	2012	49 263	5 392	10.9	2.78	1.9
Taiwan	2012	23 236	2 040	8.8	2.79	
China	2011	1 385 567	62 387	4.5	5.22	
Hong-Kong	2012	7 204	120	1.7	1.90	1.0
Thailand	2012	67 011	7 127	10.6	5.12	
Malaysia	2011	29 717	6 877	23.1	5.59	
Indonesia	2010	249 866	19 873	8.0	10.25	
Singapore	2012	5 412	168	3.1	2.07	1.0
India	2012	1 252 140	138 238	11.0	42.54	24.3
Turkey	2012	74 933	3 750	5.0	2.75	4.0
Europe						
U.K.	2012	63 136	1 754	2.8	0.48	0.4
Germany	2012	82 727	3 600	4.4	0.77	0.5
France	2012	64 291	3 653	5.7	0.96	0.7
Netherlands	2012	16 759	650	3.9	0.71	0.5
Bergium	2012	11 104	767	6.9	1.22	0.8
Italy	2010	60 990	4 090	6.7	0.98	
Spain	2012	46 927	1 903	4.1	0.70	1.7
Portugal	2012	10 608	718	6.8	1.25	
Greece	2011	11 128	1 141	10.3	1.76	1.6
Switzerland	2012	8 078	339	4.2	0.71	0.6
Austria	2012	8 495	531	6.3	1.05	0.7
Norway	2012	5 043	145	2.9	0.47	0.3
Sweden	2012	9 571	285	3.0	0.56	0.4
Finland	2012	5 426	255	4.7	0.70	0.5
Denmark	2012	5 619	167	3.0	0.61	0.4
Poland	2012	38 217	3 577	9.4	1.57	1.8
Hungary	2012	9 955	605	6.1	1.74	1.7
Ukraine	2012	45 239	5 131	11.3	5.02	35.4
America						
U.S.A.	2012	320 051	33 561	10.5	1.33	0.7
Canada	2012	35 182	2 104	6.0	0.94	0.6
Mexico	2012	122 332	4 539	3.7	1.32	3.0
Brasil	2009	200 362	7 376	3.7	1.86	
Argentina	2010	41 446	5 094	12.3	4.08	
Africa						
Egypt	2012	82 056	6 431	7.8	14.15	
South Africa	2010	52 776	13 967	26.5	15.02	10.6
Oceania						
Australia	2012	23 343	1 299	5.6	0.79	0.6
New Zealand	2012	4 506	308	6.8	0.95	0.8

Source: World Road Statistics (IRF); World Population Prospects (United Nations)
Note: 1. The number refers to those who died within 30 days.
Note: 2. The population is estimated in 2013 by UN.

10. Implementation of Traffic Safety Facilities in Japan

(at the end of each fiscal year)

				FY 1985	FY 1990	FY 1995	FY 2000	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY2010	FY 2011	FY 2012	FY 2013
Traffic control centers			(number of cities)	74	74	75	75	75	75	75	75	75	75	75	75	75
Traffic information devices	Traffic information boards			-	1 604	2 175	-	-	-	-	-	-	-	-	-	-
	Roadside communication terminals			-	192	274	-	-	-	-	-	-	-	-	-	-
Trafic Signals	Centralized control units			32 585	43 019	50 556	57 908	66 037	67 231	68 785	70 371	71 375	72 211	72 211	72 900	73 218
	Synchronized control system	Automatic traffic-actuated units		5 576	4 682	4 585	4 023	2 293	2 225	1 957	1 141	754	481	481	211	123
		Programmed multi-stage units		12 814	14 355	17 340	20 218	22 653	23 233	23 700	23 676	23 965	23 382	23 382	23 710	24 941
		Push-button units		1 164	801	1 213	963	1 106	1 131	1 187	1 193	1 181	1 168	1 168	1 170	977
	Independent control system	Traffic-actuated control	Full traffic-actuated units	1 120	984	959	867	802	771	749	745	737	739	739	774	759
			Semi traffic-actuated units	6 640	7 788	10 110	11 535	13 032	13 149	13 321	13 996	14 087	14 533	14 533	14 592	14 502
			Bus-actuated units	238	101	165	154	127	123	121	121	121	116	116	28	28
			Train-actuated units	228	162	180	177	183	179	180	185	180	184	184	179	142
		Fixed-cycle units (including programmed multi-stage units)		35 577	41 200	45 282	48 802	51 087	50 921	50 769	50 984	51 707	52 059	52 059	52 838	51 849
		Push-button units		23 113	20 713	23 083	25 696	28 200	28 599	28 774	29 135	29 565	30 599	30 599	30 678	31 776
		Single flashing units		465	1 829	4 319	5 670	6 250	6 295	6 354	6 409	6 412	6 406	6 406	6 409	6 398
	Total units			119 520	135 634	157 792	176 013	191 770	193 857	195 897	197 956	200 084	201 878	201 878	203 489	204 713
Lights	For vehicles			-	720 725	885 383	1 001 623	1 125 659	1 146 167	1 169 963	1 189 368	1 208 241	1 222 359	1 222 359	1 241 059	1 251 216
		(LED lights)						144 013	180 265	217 764	275 265	338 422	390 561	390 561	458 447	514 320
	For pedestrians			-	524 122	634 959	764 976	869 188	884 349	899 928	912 899	928 546	942 451	942 451	954 542	976 463
		(LED lights)						46 461	64 445	88 129	126 541	177 129	214 243	214 243	279 166	329 854
Traffic signs	Variable signs			23 089	24 109	23 259	30 186	27 526	23 353	22 667	21 912	20 490	19 816	19 816	17 039	16 265
	Fixed signs	Large signs		420 640	500 347	582 255	617 279	642 270	628 255	623 709	624 671	624 276	614 753	614 753	617 593	614 053
		Roadside signs		9 705 165	10 020 616	10 379 062	10 183 538	9 422 368	9 297 292	9 346 943	9 420 018	9 366 820	9 416 920	9 416 920	9 282 355	9 309 494
Road markings	Crosswalks		(number of)	719 548	801 464	890 723	967 355	1 054 219	1 064 369	1 080 358	1 092 226	1 100 886	10 031 673	10 031 673	1 118 335	1 125 688
	Solid lines		(km)	110 465	116 248	115 898	125 838	131 141	127 660	128 169	128 375	123 411	124 129	124 129	124 284	121 936
	Graphic markings		(number of)	3 238 374	3 913 961	3 995 149	3 945 511	4 506 671	4 531 593	4 571 460	4 609 045	4 607 652	4 637 370	4 637 370	4 486 284	4 570 829

Source: Traffic Statistics (Institute for Traffic Accident Research and Data Analysis)

Note: Programmed multi-stage units also include single-stage units.

11. Parking Facilities in Japan

11-1 Changes in parking capacity

(vehicles; at fiscal year's end)

	Urban planning parking facilities	Officially designated parking facilities	Mandated parking facilities	On-street parking areas	Total	Parking spaces per 10,000 vehicles
FY 1960	1 313	9 908	2 830	6 576	20 627	89.5
1965	8 948	53 597	39 448	2 189	104 182	143.7
1970	18 120	124 429	123 997	750	267 296	147.0
1975	33 781	287 457	276 285	2 400	599 923	211.2
1980	48 627	458 053	403 355	2 339	912 374	240.3
1985	56 535	598 808	559 709	2 033	1 217 085	263.3
1990	73 092	774 504	863 955	1 417	1 712 968	296.6
1995	93 431	995 735	1 297 958	1 381	2 388 505	356.1
1996	96 655	1 021 554	1 386 157	1 333	2 505 699	364.5
1997	103 651	1 078 381	1 500 673	1 280	2 683 985	384.3
1998	109 998	1 121 228	1 599 165	1 279	2 831 670	400.6
1999	113 681	1 161 653	1 681 266	1 279	2 957 879	413.2
2000	115 696	1 225 194	1 771 028	1 275	3 113 193	429.4
2001	118 220	1 272 190	1 858 895	1 275	3 250 580	444.1
2002	119 353	1 302 474	1 942 707	1 222	3 365 756	456.3
2003	119 535	1 333 159	2 015 404	1 217	3 469 315	467.5
2004	119 472	1 372 876	2 104 894	1 172	3 598 414	479.6
2005	120 091	1 415 252	2 212 069	1 386	3 748 798	495.5
2006	120 575	1 450 858	2 325 538	1 216	3 898 187	514.1
2007	121 336	1 482 645	2 429 997	1 100	4 035 078	533.6
2008	120 775	1 549 878	2 514 807	1 357	4 186 817	556.0
2009	122 574	1 570 013	2 571 884	1 361	4 265 832	567.4
2010	121 651	1 604 463	2 634 973	1 032	4 362 119	580.5
2011	119 317	1 623 951	2 689 925	785	4 433 978	586.4
2012	119 214	1 664 443	2 949 036	775	4 733 468	622.1
2013	118 477	1 661 432	2 997 363	775	4 778 047	623.0

Source: Annual Report of Motor Vehicle Parking (Ministry of Land, Infrastructure, Transport and Tourism)
Note: 1. Urban planning parking facilities that are also officially designated parking facilities are included in the number of urban planning parking facilities. Mandated parking facilities that are also officially designated parking facilities are included in the number of mandated parking facilities.
Note: 2. The number of vehicles owned includes light vehicles.

11-2 The number of parking meters and parking permit ticket devices installed

(at the end of March)

	Parking meters	Parking permit ticket dispensing devices		Total	
		Number	Number of vehicles allowed to park	Number	Number of vehicles allowed to park
1986	14 157	0	-	14 157	14 157
1990	19 039	1 333	10 793	20 372	29 832
1995	27 627	1 635	13 043	29 262	40 670
1996	27 682	1642	12 926	29 324	40 608
1997	27 636	1630	12 748	29 266	40 384
1998	27 561	1 602	12 467	29 163	40 028
1999	27 488	1 587	12 329	29 075	39 817
2000	26 988	1 574	12 320	28 562	39 308
2001	26 341	1 540	12 216	27 881	38 557
2002	25 828	1 520	11 931	27 348	37 759
2003	24 308	1 416	10 684	25 724	34 992
2004	23 284	1 381	10 409	24 665	33 693
2005	22 929	1 329	9 976	24 258	32 905
2006	22 453	1 321	9 421	23 774	31 874
2007	22 453	1 321	9 421	23 774	31 874
2008	21 930	1 291	9 168	23 221	31 098
2009	21 589	1 291	9 147	22 880	30 736
2010	21 533	1 290	9 123	22 823	30 656
2011	21 040	1 339	9 349	22 379	30 389
2012	20 772	1 431	9 459	22 203	30 231

Source: Annual Report of Motor Vehicle Parking (Japan Parking System Manufacturers Association Incorporated)

11-3 Parking Facilities in Major Cities

2013	Urban planning parking facilities		Officially designated parking facilities		Mandated parking facilities		On-street parking areas		Total	
	Number of facilities	Number of parking spaces	Number of facilities	Number of parking spaces	Number of facilities	Number of parking spaces	Number of facilities	Number of parking spaces	Number of facilities	Number of parking spaces
Sapporo City, Hokkaido	2	601	183	32 439	3 187	185 105	-	-	3 372	218 145
Sendai City, Miyagi Pref.	2	392	174	29 336	971	78 237	-	-	1 147	107 965
Saitama City, Saitama Pref.	2	601	86	14 095	136	18 426	-	-	224	33 122
Special Wards of Tokyo	48	17 306	551	92 638	20 749	595 544	-	-	21 348	705 488
Yokohama City, Kanagawa Pref.	7	3 363	219	39 297	6 704	295 631	-	-	6 930	338 291
Kawasaki City, Kanagawa Pref.	1	366	83	12 407	1 156	59 396	-	-	1 240	72 169
Nagoya City, Aichi Pref.	14	4 838	306	74 808	3 009	162 797	-	-	3 329	242 443
Kyoto City, Kyoto Pref.	5	1 532	178	30 573	726	32 917	-	-	909	65 022
Osaka City, Osaka Pref.	10	4 055	798	64 561	7 084	265 988	-	-	7 892	334 604
Kobe City, Hyogo Pref.	13	3 830	217	47 884	1 034	60 802	-	-	1 264	112 516
Hiroshima City, Hiroshima Pref.	6	2 334	171	23 545	1 517	46 747	14	640	1 708	73 266
Fukuoka City, Fukuoka Pref.	8	3 082	286	51 460	2 904	112 213	-	-	3 198	166 755

Source: Annual Report of Motor Vehicle Parking (Ministry of Land, Infrastructure, Transport and Tourism)

12. Travel Time in Daily Activities of Japanese People

12-1 Changes in time spent for daily activities of Japanese People (average of whole nation, average of doers)

(hours : minutes)

			Sleep	Personal care	Eat	Going to work or school	Work	Study	Housework	Medical treatment / recuperation	Childcare	Shopping	Other travel	Mass media contact	Rest	Learning, self-development and training	Leisure	Sports	Volunteer and social interactions	Dating, socializing	Consultation, medical treatment	Other / unknown
1986	Weekday	Male	7:48	0:56	1:33	1:23	8:51	6:59	1:44	-	1:22	1:04	1:29	2:41	1:45	2:19	2:26	1:54	2:26	2:43	3:11	1:47
		Famale	7:33	1:15	1:40	1:14	6:59	6:55	3:54	-	3:01	1:04	1:15	2:42	1:52	2:03	2:13	1:46	2:22	2:13	2:32	1:44
	Saturdays	Male	7:51	0:58	1:35	1:19	8:10	5:29	1:50	-	1:52	1:19	1:44	3:05	1:57	2:29	3:06	2:36	2:44	3:16	3:11	2:07
		Famale	7:36	1:15	1:42	1:11	6:32	5:22	3:59	-	3:00	1:14	1:24	2:47	2:00	2:12	2:25	2:09	2:21	2:40	2:35	2:00
	Sundays	Male	8:37	1:05	1:40	1:12	7:17	5:20	2:04	-	2:40	1:35	1:54	3:54	2:29	2:48	3:50	3:22	2:51	3:49	5:16	2:38
		Famale	8:13	1:21	1:46	1:05	6:10	4:43	3:53	-	3:09	1:31	1:35	3:00	2:14	2:24	3:07	3:05	2:27	3:24	5:00	2:27
1991	Weekday	Male	7:41	1:00	1:33	1:24	8:53	6:43	1:43	2:23	1:21	1:05	1:32	2:51	1:47	2:18	2:33	2:02	2:34	2:48	3:02	1:40
		Famale	7:27	1:19	1:40	1:15	7:01	6:53	3:51	2:47	3:14	1:05	1:13	2:48	1:53	2:11	2:15	1:47	2:34	2:17	2:28	1:33
	Saturdays	Male	7:52	1:02	1:36	1:17	8:08	5:11	2:09	2:30	1:52	1:24	1:46	3:24	2:08	2:39	3:18	2:41	3:04	3:33	3:04	2:10
		Famale	7:35	1:20	1:43	1:08	6:29	5:11	3:54	2:44	3:17	1:18	1:25	3:03	2:06	2:17	2:37	2:09	2:43	2:56	2:36	1:49
	Sundays	Male	8:36	1:08	1:41	1:09	7:22	5:05	2:16	2:25	2:38	1:36	1:49	4:11	2:35	2:55	3:53	3:18	3:29	3:58	5:11	2:25
		Famale	8:10	1:24	1:46	1:05	6:15	4:49	3:47	2:51	3:19	1:33	1:34	3:15	2:19	2:36	3:03	2:58	3:03	3:28	5:07	2:09
1996	Weekday	Male	7:45	1:03	1:35	1:18	8:56	6:34	1:39	2:35	1:20	1:09	1:30	2:59	1:48	2:04	2:32	1:57	2:27	2:46	2:33	1:21
		Famale	7:31	1:24	1:42	1:06	6:58	6:35	3:45	2:47	3:06	1:05	1:14	2:55	1:52	2:02	2:12	1:40	2:26	2:16	2:08	1:21
	Saturdays	Male	8:03	1:06	1:38	1:09	8:13	4:47	1:49	2:23	2:06	1:28	1:47	3:40	2:13	2:27	3:36	2:55	3:07	3:43	2:20	1:59
		Famale	7:48	1:24	1:44	1:00	6:25	4:44	3:47	2:33	3:08	1:24	1:33	3:15	2:07	2:16	2:40	2:16	2:43	3:07	2:10	1:47
	Sundays	Male	8:40	1:11	1:42	1:05	7:16	4:32	1:53	2:16	2:25	1:38	1:51	4:20	2:31	2:35	3:55	3:31	3:30	3:59	3:42	2:09
		Famale	8:18	1:28	1:47	1:00	6:06	4:32	3:40	2:37	3:05	1:36	1:39	3:28	2:18	2:24	2:56	3:02	3:00	3:28	3:33	1:59
2001	Weekday	Male	7:42	1:07	1:35	1:17	8:56	6:14	1:29	2:01	1:23	1:02	1:29	3:03	1:49	2:14	2:42	1:47	2:31	2:36	2:28	1:27
		Famale	7:29	1:27	1:40	1:05	6:52	6:17	3:35	2:18	3:11	1:03	1:15	2:55	1:52	2:09	2:10	1:32	2:28	2:12	2:08	1:21
	Saturdays	Male	8:05	1:10	1:38	1:08	8:04	4:32	1:42	2:12	2:05	1:25	1:46	3:42	2:10	2:42	3:29	2:35	3:17	3:25	2:19	1:53
		Famale	7:50	1:28	1:44	0:57	6:13	4:24	3:36	2:08	3:10	1:21	1:34	3:08	2:03	2:26	2:36	1:55	2:50	2:52	2:10	1:41
	Sundays	Male	8:36	1:14	1:41	1:05	7:16	4:02	1:43	1:59	2:13	1:30	1:52	4:21	2:26	2:49	3:44	3:04	3:51	3:44	3:27	2:01
		Famale	8:16	1:31	1:47	0:58	6:01	3:49	3:25	2:14	2:57	1:30	1:41	3:22	2:11	2:43	2:49	2:22	3:07	3:05	3:32	1:49
2006	Weekday	Male	7:38	1:11	1:35	1:19	9:08	6:46	1:38	2:14	1:32	1:04	1:28	3:05	1:56	2:13	2:42	1:56	2:30	2:39	2:37	1:40
		Famale	7:26	1:30	1:41	1:06	7:06	6:46	3:37	2:11	3:14	1:04	1:15	2:58	1:59	2:06	2:17	1:32	2:31	2:15	2:17	1:29
	Saturdays	Male	8:05	1:16	1:31	1:11	8:12	4:43	1:50	2:06	2:22	1:26	1:51	3:52	2:27	2:48	3:38	3:03	3:22	3:38	2:23	2:09
		Famale	7:50	1:32	1:46	0:59	6:28	4:40	3:31	2:22	3:25	1:24	1:40	3:16	2:17	2:30	2:50	2:13	3:10	3:03	2:20	1:55
	Sundays	Male	8:33	1:19	1:44	1:05	7:24	4:16	1:50	2:08	2:34	1:37	1:53	4:22	2:43	2:54	3:55	3:10	3:52	3:40	3:37	2:16
		Famale	8:11	1:35	1:49	0:57	6:19	4:08	3:29	2:19	3:09	1:34	1:42	3:26	2:23	2:41	2:59	2:20	3:10	3:11	2:46	1:58
2011	Weekday	Male	7:37	1:14	1:35	1:19	9:10	7:05	1:40	2:00	1:31	1:08	1:32	3:20	2:07	2:19	2:54	1:55	2:25	2:42	2:28	1:45
		Famale	7:26	1:34	1:41	1:07	7:04	7:25	3:36	2:03	3:15	1:08	1:16	3:06	2:05	2:04	2:20	1:33	2:25	2:18	2:07	1:28
	Saturdays	Male	8:10	1:18	1:40	1:11	8:14	4:28	1:41	2:05	2:37	1:32	1:45	4:13	2:46	2:57	3:48	2:46	3:25	3:41	2:16	2:03
		Famale	7:55	1:36	1:45	1:00	6:36	4:23	3:25	2:04	3:25	1:28	1:34	3:33	2:29	2:34	2:53	2:02	3:03	3:03	2:09	1:53
	Sundays	Male	8:27	1:23	1:44	1:08	7:36	4:04	1:47	2:14	2:51	1:37	1:53	4:35	2:55	2:59	4:02	3:03	3:52	3:43	3:39	2:13
		Famale	8:06	1:38	1:48	1:00	6:20	3:48	3:28	2:10	3:21	1:37	1:43	3:38	2:31	2:39	3:01	2:16	3:10	3:12	3:07	1:56

Source: Social Life Basic Survey (Ministry of Internal Affairs and Communications Statistics Bureau)
Note: 1. Total hours of all activities don't add up to 24 hours because they don't include the people who didn't make the activity.
Note: 2. Item "Medical treatment / recuperation" was applied from 1991 survey.

12-2 Travel time by different population segments (weekdays, average time spent by the doer, total of both)

(hours : minutes)

		1990			1995		2000			2005			2010		
		Going to work	Going to school	Other	Going to work	Going to school	Going to work	Going to school	Other	Going to work	Going to school	Other	Going to work	Going to school	Other
Whole nation		1:07	1:06	:58	1:15	1:11	1:16	1:05	1:26	1:16	1:05	1:26	1:16	1:12	1:24
By gender	Male	1:13	1:05	1:00	1:23	1:10	1:21	1:06	1:23	1:21	1:06	1:23	1:23	1:13	1:17
	Female	:57	1:08	:56	1:02	1:12	1:09	1:04	1:28	1:09	1:04	1:28	1:06	1:12	1:29
Male: by age group	10～15	:35	:50	:41	:51	:54	:15	:52	1:25	:15	:52	1:25	-	-	-
	16～19	:56	1:22	:53	1:02	1:31	:43	1:31	1:13	:43	1:31	1:13	-	-	-
	10s	-	-	-	-	-	-	-	-	-	-	-	0:53	1:09	1:12
	20s	1:09	1:38	1:01	1:18	1:45	1:16	1:46	1:04	1:16	1:46	1:04	1:16	2:00	1:02
	30s	1:10	:46	:53	1:20	:44	1:18	1:17	:57	1:18	1:17	:57	1:17	1:15	1:07
	40s	1:16	:46	1:06	1:22	1:22	1:20	:40	1:15	1:20	:40	1:15	1:33	:33	1:09
	50s	1:17	:42	1:05	1:30	:31	1:26	:51	1:29	1:26	:51	1:29	1:27	:39	1:05
	60s	1:16	1:48	1:18	1:25	:32	1:28	:49	1:31	1:28	:49	1:31	1:22	-	1:23
	70s and over	1:00	1:50	1:05	1:20	1:15	1:10	:15	1:52	1:10	:15	1:52	1:39	-	1:45
Female: by age group	10～15	:34	:52	:37	:39	:55	-	:50	1:14	-	:50	1:14	-	-	-
	16～19	1:02	1:29	:52	:59	1:34	:57	1:26	1:21	:57	1:26	1:21	-	-	-
	10s	-	-	-	-	-	-	-	-	-	-	-	1:16	1:11	1:37
	20s	1:13	1:40	:58	1:14	1:42	1:20	1:05	1:20	1:20	1:05	1:20	1:17	1:54	1:16
	30s	:50	:31	:50	1:00	:53	1:14	1:02	1:10	1:14	1:02	1:10	1:09	:49	1:09
	40s	:48	:35	1:00	:55	:48	1:01	:40	1:26	1:01	:40	1:26	1:02	:39	1:30
	50s	:55	:51	1:02	:59	:55	1:03	:39	1:19	1:03	:39	1:19	:56	:20	1:25
	60s	:56	:31	1:07	1:05	:47	1:12	:35	1:37	1:12	:35	1:37	1:13	:49	1:28
	70s and over	:55	1:00	1:04	:55	1:10	:58	-	1:57	:58	-	1:57	1:14	:45	1:46
By occupation	Farmer / fisher / forest worker	:46	:29	:57	1:12	:35	1:04	-	1:42	1:04	-	1:42	:48	-	1:33
	Self-employed	:53	1:05	1:05	1:09	:42	1:18	1:00	1:27	1:18	1:00	1:27	1:09	:50	1:26
	Sales or service person	1:02	:51	1:00	1:09	1:11	1:17	:37	1:30	1:17	:37	1:30	1:12	:42	1:15
	Blue-collar worker (skilled / unskilled)	1:02	:48	:48	1:10	:45	1:12	:36	1:21	1:12	:36	1:21	1:17	:31	1:14
	Office worker / technical expert	1:15	:46	:52	1:21	:49	1:20	:53	1:02	1:20	:53	1:02	1:19	:59	1:04
	Management & administration	1:28	1:27	1:16	1:37	1:17	1:23	1:15	:56	1:23	1:15	:56	1:23	:55	1:13
	Professional or free-lance worker, or other	1:12	:58	1:06	1:13	:48	1:18	1:00	1:16	1:18	1:00	1:16	1:19	:36	1:09
	Housewife	:51	:48	1:06	:58	:50	1:03	:25	1:30	1:03	:25	1:30	1:19	:35	1:44
	Unemployed	1:11	:58	1:14	1:12	1:10	1:27	1:15	1:53	1:27	1:15	1:53	1:44	:39	1:38
By size of city	Tokyo area	1:32	1:17	1:08	-	-	1:39	1:13	1:32	1:42	1:19	1:32	1:37	1:25	1:18
	Osaka area	1:20	1:09	:57	-	-	1:28	1:11	1:34	1:25	1:24	1:34	1:28	1:05	1:32
	City of a half million or more	1:03	1:04	:57	-	-	1:11	:55	1:21	1:12	1:07	1:21	1:09	1:00	1:22
	City of 100,000 or more and less than 500,000	:59	:59	:54	-	-	1:05	1:02	1:10	1:05	0:58	1:10	1:05	1:10	1:20
	City of less than 100,000	:55	1:03	:56	-	-	:55	:54	1:26	1:03	0:58	1:26	1:10	1:04	1:28
	Town / village	:56	1:06	:56	-	-	1:05	1:13	1:27	1:06	1:06	1:27	1:03	1:27	1:28

Source: National Time Use Survey (NHK Broadcasting Culture Research Institute)
Note: 1. The survey method was changed starting from 1995 so that the data of 1995 onward cannot be directly compared with the data of 1990 and before.
Note: 2. Size of city in 2010 are "City of 300,000 or more", "City of 100,000 or more", "Cities, towns and villages of 50,000 or more", "Cities, towns and villages less than 50,000".

13. Transport and Communications Expenditures of Japanese Households

13-1 Transport and communications expenditures of households (monthly average; working-class, nationwide)

(yen)

	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Consumption expenditures	331 595	349 663	341 896	296 790	285 057	289 821	291 498	283 685	283 401	275 999	276 830	280 642	280 809	100.0%
Food	79 993	78 947	75 174	64 282	62 502	63 541	64 548	62 868	63 031	61 087	62 494	63 089	63 874	22.7%
Housing	16 475	23 412	21 716	23 713	22 461	22 171	22 510	21 797	22 479	23 824	22 136	22 312	23 085	8.2%
Utilities	16 797	19 551	21 282	18 004	18 538	18 233	19 239	18 124	18 400	18 445	19 059	19 508	19 651	7.0%
Funiture / housework supplies	13 103	13 040	11 268	8 634	8 154	8 395	8 718	8 732	8 725	8 790	8 725	8 591	8 878	3.2%
Clothing & shoes	23 902	21 085	17 195	13 374	13 105	13 444	13 068	12 607	12 343	11 760	11 928	11 883	12 198	4.3%
Health maintenance / medical expenditures	8 670	9 334	10 901	10 240	9 614	9 949	9 896	9 970	9 655	9 354	10 036	9 835	9 745	3.5%
Transport / communicatuons	33 499	38 524	43 632	43 296	41 464	42 358	43 531	42 567	42 916	41 024	43 906	45 699	46 126	16.4%
Transport & motor vehicle related expenditures	27 072	31 419	33 118	31 372	29 494	29 965	31 070	29 909	30 173	28 031	30 794	32 501	32 905	11.7%
Transport	7 543	8 064	7 873	8 090	7 322	7 701	7 526	6 896	6 747	6 942	6 720	7 261	6 865	2.4%
Railway fares	2 730	2 654	2 453	2 533	2 231	2 402	2 284	2 172	2 164	2 318	2 121	2 373	2 244	0.8%
Railway passes	1 877	2 269	2 198	2 311	2 121	2 297	2 311	2 037	2 041	2 036	2 073	2 250	1 867	0.7%
Bus fares	423	356	326	342	309	321	333	335	373	373	356	397	371	0.1%
Bus passes	463	474	395	400	391	348	369	329	250	205	169	194	228	0.1%
Taxi fares	671	545	460	406	384	372	363	472	445	480	457	444	446	0.2%
Airplane fares and other	1 379	1 766	2 041	2 099	1 887	1 961	1 866	1 550	1 473	1 531	1 543	1 603	1 709	0.6%
Vehicle related expenditures	19 529	23 355	25 245	23 282	22 172	22 264	23 544	23 013	23 426	21 089	24 074	25 240	26 040	9.3%
Purchace of motor vehicle, etc.	6 842	7 734	8 847	6 187	5 680	5 532	6 004	6 489	6 462	4 286	6 506	7 373	8 125	2.9%
Purchace of bicycle	369	337	342	199	199	264	317	271	272	283	278	284	314	0.1%
Maintenance of motor vehicle	12 319	15 284	16 055	16 896	16 293	16 469	17 222	16 253	16 692	16 520	17 290	17 583	17 601	6.3%
Communication	6 426	7 104	10 514	11 924	11 970	12 392	12 461	12 658	12 744	12 993	13 112	13 198	13 221	4.7%
Education	16 827	18 467	18 261	13 934	13 868	14 213	13 956	14 351	13 707	13 774	13 347	13 916	13 156	4.7%
Cultural matters / entertainment	31 761	33 221	33 796	31 332	30 024	31 444	31 018	31 288	31 575	29 117	28 033	28 409	28 044	10.0%
Other expenditures	90 569	94 082	88 670	69 979	65 328	66 073	65 015	61 382	60 569	58 104	57 167	57 399	56 051	20.0%

Source: Family Income And Expenditure Survey: Annual Report (Ministry of Internal Affairs and Communications)
Note: Individual transport expenditures are estimated by dividing total transport expenditures (monthly average) by the annual share for each item.

13-2 Changes in consumer prices for transport and communications

(annual average; figures for 1995 are set as 100)

	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Overall consumer prices	93.5	100.0	101.5	99.3	99.6	99.6	101.0	99.6	98.9	98.6	98.6	98.9	101.7
Transport / communication	99.0	100.0	97.8	96.6	96.9	97.0	98.9	94.1	95.1	96.2	96.5	97.9	100.4
Transport	93.5	100.0	105.6	106.1	105.8	105.9	106.9	106.1	105.4	106.2	106.5	106.5	111.9
Railway fees (excl. Japan Railway)	86.8	100.0	110.7	111.2	111.4	111.6	111.8	111.8	111.8	111.8	111.7	111.7	113.7
Railway fees (Japan Railway)	100.0	100.0	103.2	102.8	102.8	102.8	102.8	102.8	102.8	102.7	102.7	102.7	104.9
General route bus fares	88.8	100.0	105.5	105.3	104.9	104.9	105.1	105.7	106.1	106.0	105.9	105.9	108.5
Taxi fares	82.2	100.0	106.3	106.2	106.2	106.9	112.5	113.1	113.1	113.1	113.1	113.3	116.2
Air fares	100.3	100.0	102.4	108.3	105.4	105.8	113.2	114.6	109.4	118.3	115.2	113.2	113.8
Toll road fares	95.2	100.0	103.7	104.4	104.4	104.4	103.4	95.7	92.5	92.8	96.0	97.3	122.7
Motor vehicle related expenditures	100.1	100.0	95.2	98.5	100.9	101.8	105.2	96.7	99.1	101.3	102.2	104.9	107.7
Motor vehicles	100.4	100.0	101.0	99.7	99.6	99.8	99.8	99.0	98.4	98.3	98.5	98.1	99.9
Maintenance of motor vehicles	100.0	100.0	93.1	98.1	101.2	102.4	106.7	95.8	99.1	101.9	103.1	106.7	109.7
Gasoline	110.4	100.0	91.0	107.4	117.0	120.6	134.8	104.2	115.2	126.3	127.6	135.2	141.9
Rent for parking spaces	82.0	100.0	101.6	100.3	100.1	100.1	99.5	99.0	98.5	97.4	97.0	96.9	97.0
Parking fees	87.7	100.0	99.1	95.4	94.1	93.5	92.8	92.6	92.1	91.7	91.8	91.7	92.1
Communications	105.8	100.0	93.4	79.5	76.6	75.0	75.0	74.7	74.2	73.7	72.9	72.6	73.5
Postage	81.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	103.0
Fixed telephone charge**	110.0	100.0	93.7	75.0	75.0	75.2	75.1	75.2	75.2	75.2	75.1	75.0	76.6
Shipping fees	89.8	100.0	101.8	101.8	101.4	101.8	101.8	96.9	95.3	95.3	95.3	95.3	97.2

Source: Annual Report on Consumer Price Index (Ministry of Internal Affairs and Communications)
* The "General route Bus fares" for 1990 and 2010 means the "bus fares".
** The "Fixed telephone charge" for 1990 and 1995 means the charge per telephone call.

13-3 Monthly transport / communications expenditures per household by size of city or by city area

(average of all households, 2014)

	All Cities	Cities of 50,000 or more	City size				Metropolitan areas			
			Big Cities	Middle-size cities	Small cities A	Small cities B & towns / villages	Kanto (Tokyo area)	Chukyo (Nagoya area)	Keihanshin (Kyoto, Osaka & Kobe area)	Kitakyusyu & Fukuoka
Consumer expenditures	251 481	252 351	247 755	257 930	251 541	246 102	268 196	262 902	249 527	229 689
Food	60 272	60 896	62 327	61 269	58 440	56 362	66 054	62 749	63 561	55 108
Housing	19 069	19 619	21 736	19 387	17 028	15 561	23 905	16 352	18 639	16 572
Utilities	20 129	19 774	18 277	20 417	21 016	22 385	19 486	20 490	19 329	17 584
Funiture / housework utensils	8 823	8 841	8 283	9 072	9 323	8 708	9 496	9 357	8 387	8 315
Clothing & shoes	10 269	10 494	11 304	10 325	9 595	8 854	11 886	10 982	11 295	9 795
Health maintenance / medical treatment	11 031	11 051	11 131	10 740	11 351	10 916	12 732	10 807	10 586	10 617
Transport / communication	35 080	34 275	29 932	36 648	37 161	33 873	41 083	31 040	28 888	32 702
(Ratio to the total consumption expenditure)	13.9%	13.6%	12.1%	14.2%	14.8%	13.8%	15.3%	11.8%	11.6%	14.2%
Transport	5 235	5 543	6 889	5 214	4 102	3 293	7 512	4 851	5 905	5 621
(Ratio to the total consumption expenditure)	2.1%	2.2%	2.8%	2.0%	1.6%	1.3%	2.8%	1.8%	2.4%	2.4%
Vehicle related expenditures	19 423	13 573	20 853	22 318	25 075	26 450	16 333	25 608	14 819	13 615
(Ratio to the total consumption expenditure)	7.7%	5.4%	8.4%	8.7%	10.0%	10.7%	6.1%	9.7%	5.9%	5.9%
Purchase of motor vehicles, etc.	5 516	5 122	3 329	6 240	6 125	7 974	4 479	7 976	3 774	1 482
Purchace of bicycle	215	228	294	189	186	137	249	216	279	143
Maintenance of motor vehicle	13 691	13 173	9 950	14 424	16 007	16 964	11 605	17 415	10 766	11 990
Communication	10 422	10 209	9 471	10 582	10 742	11 783	10 028	10 624	10 317	9 653
(Ratio to the total consumption expenditure)	4.1%	4.1%	3.8%	4.2%	4.3%	4.7%	4.0%	4.2%	4.1%	3.8%
Education	7 576	7 750	8 195	7 993	6 822	6 483	9 154	9 769	9 213	7 565
Cultural matters / entertainment	25 928	26 674	27 456	26 742	25 516	21 246	29 584	29 460	26 616	23 137
Other expenditures	53 305	52 980	49 113	55 337	55 288	55 437	52 025	51 852	50 861	52 107

Source: Annual Report of Family Income and Expenditure Survey (Ministry of Internal Affairs and Communications)
[City size] Big city: population of one million and over
Middle−size city: population between 150,000 and Less than one million
Small city A: population between 50,000 and less than 150,000
Small city B: population is less than 50,000

14. Energy Consumption in Japan and Other Countries

14-1 Energy consumption by transport modes in Japan

(10 billion kcal)

	FY 1975	FY 1980	FY 1985	FY 1990	FY 1995	FY 2000	FY 2005	FY 2010	FY 2011	FY 2012	FY 2013
Passenger transport	23 805	29 728	34 016	44 922	54 192	58 100	59 041	54 873	53 106	52 191	50 740
Railways	1 456	1 513	1 520	1 847	1 947	1 941	2 007	1 987	1 884	1 886	1 978
Buses	1 414	1 339	1 297	1 530	1 505	1 378	1 503	1 623	1 551	1 599	1 703
Passenger cars	19 129	24 385	28 764	38 537	46 903	51 104	51 419	47 110	46 339	45 573	43 046
Commercial passenger cars	2 089	1 870	2 113	2 384	1 735	1 532	1 494	1 284	1 206	1 189	1 153
Private passenger cars	17 040	22 515	26 651	36 153	45 168	49 572	49 925	45 826	45 133	44 384	41 893
Passenger ships	140	130	99	167	140	208	173	144	148	146	153
Aircraft	1 665	2 360	2 336	2 840	3 697	3 469	3 940	4 007	3 183	2 986	3 860
Freight transport	22 491	25 274	24 864	29 464	32 448	32 639	31 459	28 251	28 265	28 252	28 361
Railways	407	320	198	160	154	134	140	124	120	122	128
Motor Vehicles	15 690	18 901	19 574	25 278	27 977	26 657	25 970	24 371	24 367	24 351	25 002
Coastal shipping	6 268	5 833	4 769	3 613	3 794	5 279	4 792	3 245	3 280	3 282	2 706
Aircraft	126	221	323	414	523	570	557	511	498	498	526
Total (Passenger & Freight)	46 296	55 002	58 880	74 386	86 640	90 739	90 500	83 124	81 371	80 443	79 101

Source: EDMC Handbook of Japan's & World Energy & Economic Statistics (The Institute of Energy Economics)

14-2 Energy consumption in Japan and other countries (2012)

	Japan	U.S.A.	Germany	U.K.	France	China	Russia
Energy consumption per person (oil-equivalent; tons / person)	3.55	6.82	3.89	3.02	3.84	2.14	5.28
Oil consumption per person (oil-equivalent; tons / person)	1.65	2.46	1.26	0.92	1.12	0.34	1.18
Total energy consumption (oil-equivalent; x 1 million tons)							
As primary energy	452	2 141	313	192	252	2 894	757
As final consumption	309	1 433	221	128	155	1 702	461
Breakdown of final energy consumption (oil-equivalent; x 1 million tons)							
Industrial sector	82	248	56	24	28	810	144
(%)	(26.5)	(17.3)	(25.2)	(18.8)	(18.0)	(47.6)	(31.2)
Transport sector	75	597	53	39	44	238	94
(%)	(24.1)	(41.7)	(24.1)	(30.4)	(28.6)	(14.0)	(20.3)
Commercial & residential sector	115	483	90	58	71	518	157
(%)	(37.2)	(33.7)	(40.9)	(45.2)	(45.7)	(30.4)	(34.1)

Source: EDMC Handbook of Japan's & World Energy & Economic Statistics (The Institute of Energy Economics)

15. Travel in Japan

15-1 The number of trips made per person by trip purpose

(unit: the number of trips per person per day / weekdays)

City area \ Purpose	Going to work / school	Going home	Business	Other	Total
Tokyo metropolitan area	0.56	1.00	0.23	0.61	2.41
Keihanshin (Kyoto-Osaka-Kobe) metropolitan area	0.46	0.90	0.20	0.64	2.18
Chukyo (Nagoya) metropolitan area	0.64	1.19	0.24	0.78	2.85

Note: Data for Tokyo are from the hifth survey (2008); for Keihanshin (weekdays & holidays), from the fifth survey (2010); and for Chukyo, from the fifth survey (2011).

15-2 The number of trips made per person by trip purpose and by automobile ownership

(unit: the number of trips per person per day)

	Three major metropolitan area			Local city area		
	Owning a car	Family shared a car	Not owning a car	Owning a car	Family shared a car	Not owning a car
1992	2.85	2.61	2.24	3.12	2.70	2.16
1999	2.59	2.58	2.17	2.63	2.50	1.99
2005	2.52	2.49	2.11	2.65	2.44	1.93
2010	2.73	2.56	2.20	2.78	2.58	2.07

Source: Movement of people in the City (Ministry of Land, Infrastructure and Transport)

15-3 Comparison of trip purposes by city type

(%)

			Going to work	Going to school	Business	Going home	Personal matters
Weekdays	Nationwide	1987	13.3	9.5	12.6	40.6	24.0
		1992	14.3	8.5	10.4	40.9	25.9
		1999	15.7	7.2	9.3	41.5	26.2
		2005	15.8	7.1	8.3	41.7	27.1
		2010	15.4	6.3	8.4	40.6	29.3
	Three major metropolitan area	1987	13.9	10.1	10.9	41.3	23.7
		1992	14.7	8.8	9.1	41.5	25.9
		1999	15.8	7.0	8.7	41.9	26.5
		2005	16.3	6.9	7.2	42.3	27.2
		2010	15.8	6.3	7.9	41.1	28.9
	Local city areas	1987	12.6	8.9	14.1	40.0	24.3
		1992	13.9	8.3	11.7	40.2	25.9
		1999	15.6	7.4	10.0	41.2	25.8
		2005	15.3	7.3	9.4	41.0	27.0
		2010	15.0	6.3	9.0	40.2	29.6
Holidays	Nationwide	1987	3.4	2.3	4.3	41.9	48.2
		1992	3.0	2.0	1.7	41.8	51.5
		1999	3.9	0.7	1.8	41.5	52.1
		2005	4.0	0.9	2.9	41.1	51.2
		2010	3.9	0.8	2.7	40.3	52.3
	Three major metropolitan area	1987	3.2	2.2	3.5	42.4	48.7
		1992	2.8	1.9	1.3	42.3	51.7
		1999	3.6	0.5	1.6	41.6	52.7
		2005	3.8	0.6	2.5	41.6	51.4
		2010	3.7	0.6	2.4	40.7	52.6
	Local city areas	1987	3.6	2.3	4.9	41.4	47.8
		1992	3.2	2.0	2.1	41.3	51.4
		1999	4.2	1.0	1.9	41.3	51.5
		2005	4.1	1.2	3.3	40.5	50.9
		2010	4.1	1.1	2.9	39.9	52.0

Source: Movement of People in the City (Ministry of Land, Infrastructure and Transport)

15-4 Comparison of transport mode by city type (Unit: %)

			Railways	Buses	Motor vehicles	Motorcycle/Bicycle	Walking & other
Weekdays	Nationwide	1987	11.6	3.9	34.0	23.2	27.4
		1992	13.6	3.9	39.0	19.4	24.0
		1999	13.4	3.3	42.5	19.4	21.4
		2005	13.2	2.8	45.2	18.5	20.3
		2010	14.9	2.9	45.7	16.8	19.7
	Three major metropolitan area	1987	22.3	3.3	26.4	19.8	28.2
		1992	25.5	3.2	29.1	16.9	25.2
		1999	23.8	2.8	33.6	18.2	21.7
		2005	23.1	2.5	33.9	18.5	22.0
		2010	26.0	2.7	33.0	16.8	21.5
	Local city areas	1987	2.5	4.5	40.4	26.0	26.7
		1992	2.9	4.6	48.0	21.6	22.9
		1999	3.3	3.8	51.2	20.5	21.1
		2005	3.5	3.0	56.3	18.6	18.5
		2010	3.9	3.1	58.2	16.8	18.0
Holidays	Nationwide	1987	7.3	3.2	45.9	21.9	21.7
		1992	7.6	2.6	53.8	17.6	18.4
		1999	7.5	2.1	60.0	15.8	14.6
		2005	7.1	1.7	63.5	13.1	14.5
		2010	8.6	1.9	61.3	12.9	15.3
	Three major metropolitan area	1987	14.4	3.0	37.7	20.7	24.2
		1992	15.0	2.4	44.5	16.8	21.4
		1999	13.2	2.1	52.3	16.0	16.3
		2005	12.5	1.6	54.1	14.2	17.6
		2010	15.1	1.9	50.1	14.4	18.4
	Local city areas	1987	1.9	3.3	52.3	22.8	19.7
		1992	1.9	2.8	61.0	18.2	16.2
		1999	2.2	2.1	67.0	15.6	13.1
		2005	2.0	1.7	72.5	12.0	11.7
		2010	2.3	1.8	72.0	11.6	12.4

Source: Movement of People in the City (Ministry of Land, Infrastructure and Transport)

15-5 The number of trips per person by city type (Unit: %)

		Weekdays			Holidays		
		Nationwide	Three major metropolitan area	Local city areas	Nationwide	Three major metropolitan area	Local city areas
Gross* (unit: trips)	1987	2.63	2.52	2.74	2.13	1.94	2.32
	1992	2.51	2.46	2.56	2.03	1.84	2.22
	1999	2.34	2.37	2.32	1.90	1.86	1.93
	2005	2.31	2.31	2.31	1.85	1.82	1.88
	2010	2.44	2.42	2.46	2.08	2.02	2.13
Net** (unit: trips)	1987	3.04	2.91	3.17	3.06	2.94	3.18
	1992	2.94	2.84	3.04	3.01	2.86	3.16
	1999	2.77	2.75	2.79	2.84	2.78	2.90
	2005	2.76	2.72	2.81	2.86	2.79	2.93
	2010	2.84	2.80	2.88	2.91	2.84	2.98
Percentage of travelers** (%)	1987	86.3	86.3	86.2	69.3	65.9	72.8
	1992	85.4	86.6	84.2	67.2	64.2	70.2
	1999	84.6	86.0	83.1	66.6	67.0	66.3
	2005	83.6	85.0	82.1	64.6	65.1	64.2
	2010	85.8	86.5	85.2	71.3	71.2	71.4

Source: Movement of People in the City (Ministry of Land, Infrastructure and Transport)
Note: 1. Gross: Trips per person (persons = both those who went out and those who did not)
Note: 2. Net: Trips per person (of persons who went out)
Note: 3. Percentage of travelers: Percentage of people who made a trip on that day

15-6 Percentage of the main transport mode by trip purpose(nationwide) (Unit: %)

			Railways	Buses	Motor vehicles	Motorcycle/Bicycle	Walking & othes
Weekdays	Going to work	1987	24.3	5.7	40.9	20.9	8.2
		1992	26.3	5.2	45.1	16.7	6.7
		1999	24.6	3.8	47.6	16.6	7.5
		2005	24.8	3.0	47.4	17.6	7.2
		2010	27.4	3.4	44.9	17.2	7.2
	Going to school	1987	13.2	3.2	5.4	19.6	58.6
		1992	17.6	3.4	7.2	19.0	52.8
		1999	17.0	2.7	7.8	19.2	53.3
		2005	18.3	2.4	8.6	19.9	50.8
		2010	16.5	2.6	8.8	18.5	53.7
	Business	1987	7.0	1.6	71.0	12.8	7.6
		1992	8.3	1.1	76.3	8.2	6.1
		1999	9.3	1.2	75.1	8.4	6.0
		2005	8.3	1.0	75.8	8.2	6.8
		2010	11.2	1.0	71.6	8.6	7.7
	Going home	1987	12.5	4.1	28.7	24.8	29.9
		1992	15.0	4.2	34.2	20.8	25.8
		1999	14.5	3.5	38.8	20.7	22.6
		2005	14.5	2.9	41.6	19.7	21.3
		2010	15.3	3.1	42.9	18.2	20.6
	Private matters	1987	6.9	4.0	29.6	27.6	32.0
		1992	7.5	3.8	37.5	22.5	28.7
		1999	7.6	3.4	41.7	22.5	24.8
		2005	6.8	3.0	47.7	19.8	22.8
		2010	7.7	2.9	51.2	16.5	21.6
	All purpose	1987	12.1	3.9	33.6	22.9	27.4
		1992	14.2	3.9	38.7	19.2	24.1
		1999	14.0	3.2	42.1	19.3	21.4
		2005	13.8	2.8	44.7	18.5	20.3
		2010	14.9	2.9	45.7	16.8	19.7
Holidays	Going to work	1987	16.7	5.9	44.7	22.5	10.2
		1992	16.3	5.1	51.4	19.3	7.8
		1999	15.6	3.8	52.9	18.9	8.7
		2005	16.7	2.7	53.4	18.4	8.8
		2010	17.5	2.9	51.8	18.9	8.9
	Going to school	1987	9.6	3.7	5.8	23.2	57.7
		1992	11.4	1.7	7.0	23.5	56.3
		1999	12.3	3.3	17.5	34.4	32.4
		2005	17.9	3.1	17.9	33.2	27.9
		2010	14.3	2.7	11.3	36.3	35.4
	Business	1987	5.5	1.7	62.0	19.5	11.4
		1992	4.7	0.6	80.4	8.4	6.0
		1999	6.8	0.9	72.3	12.4	7.6
		2005	6.8	1.3	67.1	13.2	11.6
		2010	8.1	1.3	67.7	11.6	11.2
	Going home	1987	7.9	3.4	43.0	23.4	22.3
		1992	8.1	2.9	50.7	19.2	19.0
		1999	8.0	2.3	57.5	17.3	14.9
		2005	7.7	1.8	61.1	14.5	14.9
		2010	8.5	1.9	59.7	14.3	15.7
	Private matters	1987	7.0	2.9	48.4	20.4	21.3
		1992	7.3	2.3	56.6	16.1	17.8
		1999	7.0	1.9	61.9	14.2	15.0
		2005	6.4	1.5	65.9	11.3	14.9
		2010	7.6	1.7	64.3	11.0	15.5
	All purpose	1987	7.7	3.2	45.6	21.8	21.8
		1992	8.0	2.6	53.4	17.5	18.6
		1999	7.8	2.1	59.6	15.8	14.7
		2005	7.5	1.7	63.0	13.2	14.7
		2010	8.6	1.9	61.3	12.9	15.3

Source: Movement of People in the City (Ministry of Land, Infrastructure and Transport)

15-7 Transport used by trip purpose (percentages of the main transport mode)

(Unit: %)

City area	Purpose \ Transport	Railways	Buses	Motor vehicles	Motorcycle/Bicycle	Walking & other	Total
Tokyo metropolitan area (weekdays)	Going to work	53	2	24	13	7	100
	Going to school	31	2	7	11	49	100
	Going home	31	3	27	17	22	100
	Home to place of business	32	2	39	16	11	100
	Between workplace and place of business	26	1	58	7	8	100
	Home to private destination	12	4	34	23	27	100
	Other private matters	21	3	32	15	29	100
	All purposes	30	3	29	16	22	100
Keihanshin metropolitan area (weekdays)	Going to work	38	2	30	23	7	100
	Going to school	26	3	4	15	52	100
	Going home	21	3	29	23	24	100
	Business	16	2	51	18	13	100
	Personal	10	3	35	24	28	100
	All purposes	20	3	31	22	24	100
Chukyo metropolitan area (weekdays)	Going to work	22	2	59	12	5	100
	Going to school	19	1	8	15	57	100
	Going home	13	1	56	13	17	100
	Business	5	0	87	4	4	100
	Personal	5	1	69	11	14	100
	All purposes	12	1	59	12	16	100
Chukyo metropolitan area (holidays)	Going to work	16	1	63	14	6	100
	Going to school	21	1	13	32	33	100
	Going home	7	1	75	8	9	100
	Business	4	0	84	7	5	100
	Personal	5	1	80	6	8	100
	All purposes	6	1	77	7	9	100

Source: Data for Tokyo are from the fifth survey (2008); for Keihanshin (weekdays & holidays), from the fifth survey (2010); and for Chukyo, from the fifth survey (2011).

16 Basic Transport Data for Major World Cities (2000, 52 cities plus 3Japanese cities)

Cities	Popusation	Gross product of the area per person	Motor vehicle ownership		Annual average distance traveled by private cars	Energy consumption for transport	Shares of transport modes			Average number of trips	Average travel time for private cars
			Passenger cars	Motorcycles			Public transport	Walking & bicycles	Private cars		
	(x1000perrsons)	(euro/person/ /Year)	(vehicles/1000 persons)	(vehicles/1000 persons	(km/vehicle/year)	(Megajoules/person /year)	(%)	(%)	(%)	(trips/person/day	(min.)
Amsterdam	850	3410	336	16.9	8750	11100	14.7	51.4	33.	2.9	23
Athens	3900	11600	385	64.1	7500	13100	27.9	8.15	63.	1.61	30
Barcelona	4390	17100	424	65.5	6710	11000	18.8	34.3	46.	1.85	24.6
Berlin	3390	20300	328	23.5	7760	10700	24.6	36.2	39.	3.05	21
Bern	293	35500	425	66.2	8370	15700	21.2	38.5	40.	3.27	24
Bilbao	1120	20500	392	19.2	7040	9910	16	48.6	35.	1.95	26
Bologna	434	31200	634	102	5090	10100	14.4	29.1	56.	3.18	25
Brussels	964	23900	497	17.9	8980	18800	13.6	27.5	58.	2.82	22
Budapest	1760	9840	329	7	7200	10000	43.5	23.4	33.	2.85	27
Chicago	8180	40000	513	20.5	19800	43600	6.3	6.2	87.	2.91	27
Clermont-Ferran	264	24200	519	30.3	8000	14700	6.3	3	60.	3.6	14
Copenhagen	1810	34100	315	18.9	14800	15800	12.1	39	48.	3	20
Dubai	910	22000	243	3.73	18100	18100	6.7	16	77.	2.56	15
Dublin	1120	35600	377	12.2							
Geneva	420	37900	508	85.9	8070	19200	15.3	33.5	51.	3.68	21
Gent	226	26700	421	28	10700	16700	4.78	29.9	65.	2.51	
Glasgow	2100	20600	345	5.42	12800	17000	10.6	23.5	65.	2.96	17
Graz	226	29600	468	48.6	9040	14900	18.4	35.2	46.	3.7	18
Hamburg	2370	38800	510	25.9	7550	14400	15.7	36.9	47.	3.19	25
Helsinki	969	36500	361	15.5	9000	12800	27	29	4	3.1	15
Hong Kong	6720	27600	50.6	4.03	8960	4850	46	37.8	16.	2.57	24
Krakow	759	7010	225	11.2	6030	6140	39.6	32.7	27.	1.97	
Lille	1100	21800	413	23.6	7500	11100	6.1	30.7	63.	3.59	16
Lisbon	2680	17100	432	25.5	5000	9220	27.5	24.5	4	1.61	25
London	7170	36400	343	14.3	9140	14700	18.8	31.1	50.	2.65	24
Lyons	1180	27100	489	25.5	6770	12500	13	32.7	54.	3.37	19
Madrid	5420	20000	478	29.5	8530	15100	22.4	26.1	51.	2.71	22
Manchester	2510	22400	434	10.1	9320	14600	9.35	22.6	68.	2.84	15
Marseilles	800	22700	406	19.4	8910	13300	11.4	34.5	54.	3.02	20
Melbourne	3370	22800	578	20.4	13900		6	18	7	3.72	
Milan	2420	30200	594	50.1							
Moscow	11400	6060	189	4.04	9510	8530	49.3	24.4	26.	2.67	27
Munich	1250	45800	542	42.1	9560	19700	21.9	37.5	40.	3.2	30
Nantes	555	25200	546	28.9	7260	14200	12.8	23.3	63.	3.12	16
Newcastle	1080	18400	320	8.52	12700	15100	16.1	26.8	57.	2.52	16
Oslo	981	42900	418	40.7	10700	16500	15.4	25.5	59.	3.18	15
Paris	11100	37200	439	58.6	8220	14600	18	35.6	46.	2.81	22
Prague	1160	15100	536	45.2	4950	11800	43.3	21.1	35.	3.71	19
Rome	2810	26600	689	81	5530	15400	20.2	23.6	56.	2.19	32
Rotterdam	1180	28000	356	18.3	9290	11800	9.71	41.9	48.	2.74	22
Sao Paulo	18300	6420	238	21.8	4780	7560	29	37.4	33.	1.78	30
Sevilla	1120	11000	406	35.1	5000	7450	10.4	41.6	4	1.85	23
Singapore	3320	28900	123	39.7	19500	14200	40.9	14	45.	2.87	23
Stockholm	1840	32700	397	13	8700	17800	21.6	31.4	47.	2.77	21
Stuttgart	2380	32300	566	43.8	10200	20700	11	30.1	58.	3.28	18
Tallinn	399	6880	399	3.08							
Tunis	2120	2000	88.2	20.6							
Turin	1470	26700	637	52.4	4550	9000	21.1	24.8	5	1.82	26
Valencia	1570	14300	466	42.2	5460	9250	12.4	46.2	41.	2.09	
Vienna	1550	34300	414	42.2	5230	9040	4	30	3	2.7	21
Warsaw	1690	13200	380	18.9	5730	9090	51.6	19.8	28.	2.26	24
Zürich	809	41600	495	58.5	8650	18400	23	30.5	46.	3.18	22
Tokyo	13159	49050	237	37.4	6760	7319	50.	30.3	19.	2.54	36
Nagoya	7411	46534	524	25.6	7073	14936	23.	27.8	49.	2.57	26
Osaka	8865	55861	303	26.5	6592	9257	33.	39.8	26.	2.48	30

Note : 1. "Energy consumption for transport" is the energy consumed per person in private passenger transport.
2. "Average number of trips" is the average number of trips per person per day for all means of transport including walking.
3. "Fare balance rate" is the percentage of operating expenses paid by fares.
4. Data for 3 Japanese metropolises(2010) are added. Tokyo, Nagoya and Osaka refer to the respective prefectures(i.e. Tokyo-to, Aichi-ken and Osaka-fu). Then CBDs are their central districts or ku areas(i.e. Chiyoda, Chuo and Minato-ku areas for Tokyo; Naka, Nakamura, Nishi-ku areas for Nagoya; Kita, Nishi and Chuo-kuareas for Osaka)

Source : data from MOBILITY IN CITES. UITP database Japanese cities data were added with the help of MLIT.

Public transportation indexes		Motor vehicle indexes		Average travel speed			Annual use		Population density in city		Central Business District employment
Annual supply	Fare balance rate	Length of roads	Central BuDistrict parking areassiness	Private cars	Railways	Buses	Private cars	Public t ransportation	Population	Employment	
Capacity: person-kilometers/person	(%)	(m/1000 persons)	(vehicles/1000 employed persons)	(km/hour)	(km/hour)	(km/hour)	(person-kilometers/ person)	(person-kilometers/ person)	(persons/ha)	(persons/ha)	(%)
8150	32.9	2.8	258	33			4110	1220	57.3	32.7	19
3590	65.7	2.3	225	29	34.2	16	4620	890	65.7	26.7	17.4
5710	71.4	2.1	405	34	42.1	19.7	4290	1400	74.7	31.3	12.5
13100	42.6	1.6		36	32.8	19.5	8540	1840	54.7	25.2	
16200	48.4	3.9	89.7	32	38.3	20.2	5290	2670	41.9	30.2	15.2
6310	51.9	4.4	86.7	38	37.2	21.9	3710	1150	51.9	21.1	11.8
3520	42.4	2.5	181	21		14.5	4460	642	51.6	27.6	29.9
8850	26.6	1.9	289	30	35.2	21.8	6140	1400	73.6	50.4	26.3
11100	72.4	2.4	95.8	22.3	25.7	16.2	3010	3640	46.3	25.2	10.2
4330	42.3	4.8	116		39.7	18.3	11300	700	15.4	8.2	10.4
2130	43.2	3.4	726	32	0	18.3	5110	423	44.5	22.3	14.5
9890	68.1	3.9	176	50.2	51.6	21.6	7140	1630	23.5	13.1	10.2
1590	113	3.1	188	62		28.5	7280	527	33.6	20.6	21.4
5250	88.6	4.3			33.8	14.6		785	25.9	15	
4250	41.8	4.9	97.6	30	29.1	18.7	5770	724	49.2	27.7	19.2
6080	31.1	5.5			19.4	24.8	5520	959	45.5	29.4	
7020	65.2	5.8	152	36	37.3	27	6330	978	29.5	12.8	16.7
4720	74.6	4.4	78.7	39	13.3	15.1	5410	1580	31	21.5	19.4
9860	57.8		85.5	28	37.6	20.8	5520	1570	33.9		
10300	58.6	3.6	384	45	43.7	26	4250	2200	44	26.9	16.1
16100	157	0.28	22.5	28	36.2	18.6	1180	3700	286	138	9.89
7310	86.3	1.5			19.5	17.8	1990	1920	58.4		
3330	47.2	3.5	383	30	37.5	18.3	4150	472	55	22.6	6.8
7030	59	0.89	400	25	34.1	17.4	2780	2030	27.9	11.1	46.3
15100	81.2	2.0	85.2	26.2	41.1	18	4400	2520	54.9	34.7	21.8
3570	39.4	2.5	191	30	31	17.6	4350	776	40	19.1	15.5
11200	61.3	4.9	187	36.3	40.7	21	5590	2330	55.7	23.2	34.6
4300	96	3.7	188	41	38.3	17.2	5700	561	40.4	18.2	10.4
3940	53.9	1.6	335	25	31.5	17.6	5153	581	58.8	22.1	23.4
4780			323	43	34.0	23.1	10300	1060	13.7	6.2	12.4
8560	41.7				27.8	15		1650	71.7	38.3	
17400	56.9	0.41	30	30	40.3	16.6	3100	5340	161	70	12.2
15500	64.4	1.8	132	30	42.1	23	6750	2910	52.2	39.1	33
4030	38.7	5.4	538	33	19.6	19.9	5010	642	34.7	15.9	19.6
7250	99.2	4.1	174	47	35.5	19	5630	976	42.5	18.1	18.4
9670	63	5.9	87.9	45	48	29	6130	1780	26.1	16.4	14
12800	45.5	2.0	183	34	39.5	17.1	4900	2170	40.5	18.8	14
16100	30.5	2.9	45.9	30	29.6	25.9	3920	4460	44	29.5	37.2
7910	28.5	2.8	178	24	36.3	15.4	5560	2610	62.6	24.4	22.6
4580	39.4	4.1	119	28	32.4	21	4370	836	41.4	17.2	18.9
8020		2.0		20	36.8	15	1990	2170	85.8	37.2	11.3
2200	71.7	2.0	347	25	67	14.7	2640	422	51.1	15.5	
14300	126	0.94	165	35	44.9	19	5170	4070	102	63	16.4
17300	54.3		153	35	41.5	18	4760	2450	18.1	9.4	13.7
7260	61.2	1.2	187	45	45.8	26.1	7630	1070	35.3	19.4	7.85
6710	44	2.2			22.6	18		1400	41.9	19.8	
2840	76.5				21.4	11		1670	92.2		
3520	29.9	2.7	778	33.4			3570	930	46.1	20	11.8
3610	59.5	2.9			43.5	14.7	3530	507	50.2	25.6	
11900	48.5	1.8	224	28	28.7	19	2950	2350	66.9	36.1	12.1
8920	46.4	1.7	62.3	34.9	25.4	21.5	3030	3270	51.5	30.3	58
20800	50	4.7	127		46	19.1	6230	2460	44.5	30.2	12.2
11710	120.9	0.6	21	25.1	32.7	13.2	2904	4418	60.2	27.5	3.12
9674	113.4	1.5	194	31.1	33.2	13.6	6477	2465	14.3	7.1	4.79
8485	127.1	0.4	91	29.8	31.9	13.0	3743	2201	46.7	20.1	3.25