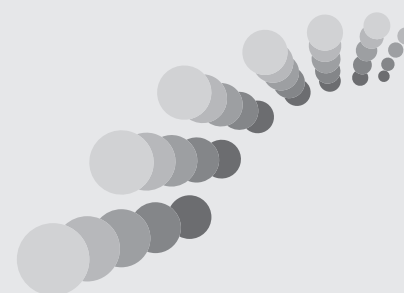


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## Statistics and Data



## 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	Private use		Light cars
				Commercial use	Registered 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
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	67 245 001 (73.9)	-	-	6 152 915	61 092 086	-
2014	66 699 706 (73.7)	-	-	6 057 426	60 642 280	-
2015	67 061 710 (73.3)	-	-	6 031 303	61 030 407	-
2016	68 270 487 (73.4)	-	-	6 034 928	62 235 559	-
2017	69 402 303 (73.5)	-	-	6 084 966	63 317 337	-
2018	70 320 258 (73.5)	-	-	6 036 558	64 283 700	-

	Passenger-kilometers transported x 1 million passenger-kilometers (% in parentheses)					
	Motor Vehicles					
		Buses	Passenger cars total	Private use		Light cars
				Commercial use	Registered 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	889 795 (63.9)	-	-	74 571	815 224	-
2014	876 322 (63.5)	-	-	72 579	803 743	-
2015	879 935 (62.9)	-	-	71 443	808 492	-
2016	891 479 (63.1)	-	-	70 119	821 360	-
2017	904 967 (63.0)	-	-	69 815	835 152	-
2018	917 921 (63.1)	-	-	70 101	847 820	-

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. The car of the number after the FY 2010 is only the distinction between commercial use and private use

Trucks in private use		Railways	Passenger ships	Aircraft	Total	
Registered 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
2 083 356	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
-	-	23 606 410 (25.9)	88 018 (0.1)	92 488 (0.1)	91 031 917 (100.0)	2013
-	-	23 599 851 (26.1)	85 859 (0.1)	95 197 (0.1)	90 480 613 (100.0)	2014
-	-	24 289 894 (26.5)	87 947 (0.1)	96 063 (0.1)	91 535 614 (100.0)	2015
-	-	24 598 362 (26.5)	87 461 (0.1)	98 124 (0.1)	92 966 945 (100.0)	2016
-	-	24 972 608 (26.4)	88 198 (0.1)	102 119 (0.1)	94 477 030 (100.0)	2017
-	-	25 269 594 (26.4)	87 625 (0.1)	103 903 (0.1)	95 693 755 (100.0)	2018

Trucks in private use		Railways	Passenger ships	Aircraft	Total	
Registered 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 (29.8)	3 265 (0.2)	84 144 (6.0)	1 391 591 (100.0)	2013
-	-	413 970 (30.0)	2 923 (0.2)	86 763 (6.3)	1 379 978 (100.0)	2014
-	-	427 486 (30.6)	3 139 (0.2)	88 216 (6.3)	1 398 776 (100.0)	2015
-	-	431 799 (30.5)	3 275 (0.2)	90 576 (6.4)	1 413 854 (100.0)	2016
-	-	437 362 (30.4)	3 191 (0.2)	94 427 (6.6)	1 436 756 (100.0)	2017
-	-	441 614 (30.3)	3 364 (0.2)	96 171 (6.6)	1 455 706 (100.0)	2018

## 1-2 Freight transport in Japan

Tonnage transported x 1000 tons (% in parentheses)							
	Motor Vehicle						
		Commercial use			private use		
			Registered vehicles	Light vehicles		Registered 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
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	1 487 624	1 356 256	131 368
2014	4 315 836 (91.3)	2 934 361	2 912 691	21 670	1 513 398	1 381 475	131 923
2015	4 289 001 (91.3)	2 916 827	2 895 373	21 454	1 501 082	1 372 174	128 908
2016	4 377 822 (91.4)	3 019 328	2 999 112	20 216	1 488 183	1 358 494	129 689
2017	4 381 246 (91.5)	3 031 940	3 011 702	20 238	1 476 940	1 349 306	127 634
2018	4 329 784 (91.6)	3 018 819	2 998 823	19 996	1 434 382	1 310 965	123 417

Ton-kilometers transported x 1 million ton-kilometers (% in parentheses)							
	Motor Vehicle						
		Commercial use			private use		
			Registered vehicles	Light vehicles		Registered 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)	193 221	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
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	30 990	29 252	1 738
2014	210 008 (50.6)	181 160	180 720	440	30 593	28 848	1 745
2015	204 316 (50.2)	175 981	175 558	423	30 044	28 335	1 709
2016	210 314 (50.9)	180 811	180 393	418	31 221	29 503	1 718
2017	210 829 (50.9)	182 526	182 114	412	29 996	28 303	1 693
2018	210 467 (51.3)	182 490	182 086	404	29 620	27 977	1 643

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, 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
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
43 424 (0.9)	369 302 (7.8)	1 024 (0.02)	4 729 586 (100.0)	2014
43 210 (0.9)	365 486 (7.8)	1 014 (0.02)	4 698 711 (100.0)	2015
44 089 (0.9)	364 485 (7.6)	1 005 (0.02)	4 787 401 (100.0)	2016
45 170 (0.9)	360 127 (7.5)	999 (0.02)	4 787 542 (100.0)	2017
42 321 (0.9)	354 445 (7.5)	917 (0.02)	4 727 467 (100.0)	2018

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
22 813 (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
21 029 (5.1)	183 120 (44.1)	1 050 (0.25)	415 207 (100.0)	2014
21 519 (5.3)	180 381 (44.3)	1 056 (0.26)	407 272 (100.0)	2015
21 265 (5.1)	180 438 (43.7)	1 057 (0.26)	413 074 (100.0)	2016
21 663 (5.2)	180 934 (43.7)	1 066 (0.26)	414 492 (100.0)	2017
19 369 (4.7)	179 089 (43.7)	977 (0.24)	409 902 (100.0)	2018

## 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. Figures for passenger cars and buses for Japan is corrected by "Car Transport Statistical Yearbook"

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 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	244.8 (54.9)	20.4 (4.6)	179.9 (40.3)	1.0 (0.2)	—	446.1 (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 "Car 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
2000	438 204	6 619	444 823	69 204	116 728	185 932	630 755
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	7 495	588 594	63 335	53 509	10 258	370	723 561
2014	7 613	583 984	63 297	52 973	9 802	347	718 016
2015	7 749	586 920	63 627	53 275	9 239	309	721 119
2016	7 815	597 642	63 118	52 430	8 493	260	729 758
2017	7 997	607 020	63 438	53 158	8 067	218	739 898
2018	8 361	614 108	63 542	54 374	7 365	179	747 929
2019	8 521	610 623	63 116	55 747	6 495	141	744 643

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 in FY 2010. Because the numbers are aggregated by fuel, also number of the light car is added, the number is not continuous in this year.

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

(unit: 1 million vehicle-kilometers)

	Survey year	Passenger cars	Buses	Trucks	Total
<b>Asia</b>					
Japan	2017	—	—	—	739 898
Korea	2016	328 812	12 407	114 596	455 815
Chinese-Taipei	2017	89 356	1 860	17 605	108 821
China	2010	418 330	—	422 630	840 960
Hong-Kong	2017	8 470	1 324	3 511	13 305
Singapore	2014	10 904	558	5 371	16 833
India	2002	208 581	63 500	297 374	569 455
Turkey	2016	148 455	22 049	99 176	269 680
<b>Europe</b>					
U.K.	2017	409 408	3 880	108 685	521 973
Germany	2017	642 400	4 600	95 300	742 300
France	2017	458 130	3 745	130 240	592 115
Netherlands	2017	108 194	650	25 086	133 930
Bergium	2017	80 076	614	20 849	101 539
Spain	2017	100 303	835	24 426	125 564
Portugal	2017	—	455	—	—
Greece	2010	54 848	1 277	15 542	71 667
Switzerland	2017	58 735	136	6 634	65 505
Austria	2017	71 250	558	12 803	84 611
Norway	2016	34 140	369	9 608	44 117
Sweden	2017	68 305	998	13 923	83 226
Finland	2017	30 740	431	7 129	38 300
Denmark	2017	40 568	648	9 357	50 573
Russia	2017	—	—	57 148	—
Poland	2017	194 294	1 725	37 361	233 380
Hungary	2017	30 245	718	11 414	42 377
Ukraine	2017	—	2 016	6 031	—
<b>America</b>					
U.S.A.	2017	3 574 023	27 725	1 535 584	5 137 332
Canada	2009	213 734	—	119 147	332 881
Mexico	2017	136 500	4 852	36 196	177 548
<b>Africa</b>					
Morocco	2004	4 905	10 948	12 840	28 693
South Africa	2007	75 573	9 007	47 278	131 858
<b>Oceania</b>					
Australia	2017	184 596	2 504	70 766	257 866
New Zealand	2017	44 415	297	2 989	47 701

Source: World Road Statistics (IRF)

Note: Although Japan data differ from the figures published in Japan (Table 3-1), these are listed according to the original source data.





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

(FY)

	Lengs of road Surveyer(km)	Vehicle-kilometers traveled in 12 hours (x 1000 vehicle-kilometers)						Average travel speed at peak hours (km/h)					
		1980	1990	1999	2005	2010	2015	1980	1990	1999	2005	2010	2015
	2015												
Sapporo City, Hokkaido	152.3	2 572	3 099	3 574	3 167	3 080	3 215	29.4	30.3	24.6	23.2	25.9	26.4
Sendai City, Miyagi Pref.	151.4	—	2 373	2 845	2 951	3 080	3 328	—	19.6	22.2	22.6	30.0	24.7
Special Wards of Tokyo	191.4	5 491	5 663	6 156	5 269	5 241	4 977	21.4	19.1	18.0	18.2	16.2	15.3
Yokohama City, Kanagawa Pref.	159.0	3 428	4 968	6 152	5 589	5 579	5 671	31.4	27.0	23.0	23.4	23.0	22.1
Kawasaki City, Kanagawa Pref.	54.6	444	861	1 219	792	1 231	1 322	24.6	19.3	20.0	22.7	21.1	18.6
Nagoya City, Aichi Pref.	130.7	3 181	3 629	3 671	3 616	3 953	3 971	25.6	19.3	19.6	20.6	17.6	17.7
Kyoto City, Kyoto Pref.	173.3	1 923	2 292	2 276	2 238	2 192	2 081	29.7	20.2	21.6	25.4	26.4	27.0
Osaka City, Osaka Pref.	114.1	2 177	2 945	3 216	2 779	2 986	2 809	21.5	18.3	17.0	15.9	16.5	15.8
Kobe City, Hyogo Pref.	137.5	2 463	3 340	3 458	2 854	3 184	3 188	38.6	30.4	33.6	32.0	27.5	27.1
Hiroshima City, Hiroshima Pref.	169.8	1 909	2 503	2 888	2 859	3 013	2 861	30.9	25.7	20.2	23.6	28.6	22.8
Kitakyushu City, Fukuoka Pref.	165.4	3 251	3 688	3 257	3 210	3 151	3 010	33.6	26.6	25.7	22.7	23.1	20.6
Fukuoka City, Fukuoka Pref.	108.0	1 673	2 223	1 954	2 006	2 208	2 390	24.5	22.2	18.4	18.7	17.7	18.4

Source: Road Traffic Census (Japan Society of Traffic Engineering)

Note: Figures are those measured on national highways.

## 5. Roads in Japan and Other Countries

## 5-1 Length of roads in Japan

(km, at beginning

	National expressway	National Highways	Prefectural roads	Principal local roads		Municipal roads	General roads total	Total
				Principal local roads	General prefectural roads			
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
2000	6 617	53 777	128 182	57 438	70 745	977 764	1 159 723	1 166 340
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	129 375	57 931	71 444	1 023 962	1 208 769	1 217 127
2014	8 428	55 626	129 301	57 872	71 429	1 025 416	1 210 344	1 218 772
2015	8 652	55 645	129 446	57 850	71 596	1 026 980	1 212 071	1 220 723
2016	8 776	55 565	129 603	57 898	71 705	1 028 375	1 213 543	1 222 319
2017	8 795	55 637	129 667	57 905	71 762	1 029 787	1 215 091	1 223 886
2018	8 923	55 698	129 721	57 913	71 808	1 030 424	1 215 843	1 224 766

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/km <sup>2</sup> )	by vehicle owned (m/vehicle)
<b>Asia</b>								
Japan	2017	8 795	51 923	93 345	197 499	351 562	160.6	0.8
Korea	2017	4 717	13 847	4 886	78 418	101 868	185.6	0.8
Chinese Taipei	2017	1 050	5 262	3 602	33 292	43 206	174.4	0.8
China	2017	136 449	105 224	380 481	4 151 316	4 773 470	25.2	1.1
Hong-Kong	2017	2 112	—	—	—	2 112	1 913.0	3.0
Thailand	2015	208	70 077	—	436 253	506 538	137.0	4.1
Malaysia	2017	—	19 951	217 072	—	237 023	—	—
Indonesia	2017	—	47 017	54 554	437 782	539 353	24.6	2.0
Singapore	2017	164	704	576	2 056	3 500	1 215.7	1.1
India	2017	114 158	175 036	586 181	5 022 296	5 897 671	53.2	3.8
Turkey	2017	2 657	31 066	33 896	179 895	247 514	43.0	2.0
<b>Europe</b>								
U.K.	2017	3 803	49 197	—	—	422 691	218.6	1.3
Germany	2017	13 009	38 018	178 876	413 000	642 903	142.7	1.0
France	2017	12 379	8 465	381 319	700 949	1 103 112	37.8	0.5
Netherlands	2017	7 403	5 863	3 583	168 515	185 364	355.1	1.4
Bergium	2015	1 763	13 229	1 349	138 869	155 210	491.1	2.3
Italy	2016	6 943	20 786	155 247	—	—	92.0	0.6
Spain	2017	17 164	14 419	134 103	501 053	666 739	62.4	1.1
Portugal	2017	3 065	6 457	4 791	—	—	103.3	1.6
Greece	2017	2 098	9 299	30 864	75 600	117 861	86.4	1.7
Switzerland	2017	1 855	17 843	51 859	—	71 557	477.1	3.8
Austria	2017	2 233	10 450	23 724	100 632	137 039	151.2	2.4
Norway	2017	983	9 700	44 622	39 457	94 762	30.0	2.9
Sweden	2017	2 132	6 357	90 069	—	—	18.9	1.5
Finland	2016	881	12 454	13 600	51 053	77 988	39.4	3.9
Denmark	2017	1 268	2 588	—	70 799	74 655	89.5	1.3
Russia	2017	1 089	53 071	510 970	943 710	1 508 840	3.2	1.0
Poland	2017	1 637	17 773	153 757	249 137	422 304	62.2	0.7
Hungary	2017	1 937	6 980	23 089	178 721	210 727	95.9	2.3
Ukraine	2017	15	46 937	53 996	68 795	169 743	77.8	4.7
<b>America</b>								
U.S.A.	2017	104 255	250 067	1 215 029	5 103 780	6 673 131	37.2	1.3
Canada	2009	17 000	86 000	115 000	1 191 000	1 409 000	10.3	4.3
Mexico	2017	10 274	40 746	133 227	144 533	328 780	26.0	1.2
Brasil	2017	—	76 259	1 504 706	—	1 580 965	9.0	1.7
Argentina	2013	1 090	38 847	198 289	—	238 226	14.4	2.8
<b>Africa</b>								
Egypt	2014	—	24 177	131 031	—	155 208	24.1	4.1
South Africa	2001	239	2 887	60 027	300 978	364 131	2.6	0.2
<b>Oceania</b>								
Australia	2017	51 805	181 900	—	642 209	875 914	30.4	12.8
New Zealand	2017	—	10 967	84 305	—	95 272	40.5	2.7

Source: World Road Statistics (IRF), World Road Statistics (Japan Road Association)

Note1: Only vehicles that have at least four wheels are counted as vehicles owned.

Note2: Although Japan data differ from the figures published in Japan (Table 5-1), these are listed according to the original source data.

## 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%
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	9.8%	10 776	-20.5%	18 027	-7.0%	76 713	0.2%
2010	39 851	-16.8%	9 081	-15.7%	17 941	-0.5%	66 873	-12.8%
2011	39 077	-1.9%	9 198	1.3%	18 040	0.6%	66 315	-0.8%
2012	38 094	-2.5%	10 727	16.6%	18 211	0.9%	67 032	1.1%
2013	46 969	23.3%	9 589	-10.6%	17 010	-6.6%	73 568	9.8%
2014	43 242	-7.9%	11 627	21.3%	18 224	7.1%	73 093	-0.6%
2015	38 862	-10.1%	12 906	11.0%	18 312	0.5%	70 080	-4.1%
2016	40 854	-5.5%	13 486	16.0%	18 697	2.6%	73 037	-0.1%
2017	42 422	9.2%	15 462	19.8%	19 274	5.3%	77 158	10.1%

Source: Road Handbook (Japan Highway Users Conference)

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

## 6-1 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		Trucks		Buses	Vehicles for special use	Total
		Light four-wheeled passenger cars		Light four-wheeled trucks			
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
2000	52 449 354	10 084 285	18 064 744	9 958 458	235 550	1 431 162	72 180 810
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
2014	60 517 249	21 026 132	14 652 701	8 622 311	227 579	1 683 313	77 080 842
2015	60 831 892	21 477 247	14 539 289	8 520 458	230 603	1 700 014	77 301 798
2016	61 253 300	21 761 335	14 451 394	8 420 858	232 793	1 720 030	77 657 517
2017	61 584 906	22 051 124	14 382 846	8 345 314	233 542	1 737 221	77 938 515
2018	61 770 573	22 324 893	14 384 930	8 321 590	232 992	1 751 502	78 139 997
2019	61 808 586	22 528 178	14 367 134	8 277 706	231 051	1 766 102	78 172 873

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 for 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 from before 1999.

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

## 6-2 Number of motor vehicles owned in Japan and other countries (2017)

(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
<b>Asia</b>						
Japan	61 803	484.8	16 275	127.7	78 078	612.5
Korea	18 035	353.8	4 493	88.1	22 528	441.9
Chinese Taipei	6 763	286.3	1 121	47.4	7 884	333.7
China	184 644	131.0	30 956	22.0	215 600	153.0
Hong-Kong	553	75.1	160	21.7	713	96.8
Thailand	9 260	134.1	7 687	111.3	16 947	245.5
Malaysia	12 900	407.9	1 475	46.6	14 375	454.6
Indonesia	14 160	53.6	9 458	35.8	23 618	89.5
Singapore	635	111.2	185	32.4	820	143.6
India	35 890	26.8	10 630	7.9	46 520	34.7
Turkey	12 036	149.1	5 242	64.9	17 278	214.0
<b>Europe</b>						
U.K.	34 686	524.1	4 990	75.4	39 676	599.5
Germany	46 475	566.0	3 617	44.0	50 092	610.0
France	32 614	501.9	6 771	104.2	39 385	606.1
Netherlands	8 595	504.5	1 121	65.8	9 716	570.3
Bergium	5 735	501.8	853	74.6	6 588	576.4
Italy	38 520	648.9	5 078	85.5	43 598	734.5
Spain	23 624	509.6	5 020	108.3	28 644	617.9
Portugal	4 640	449.2	1 215	117.6	5 855	566.8
Greece	5 236	469.2	1 370	122.8	6 606	591.9
Switzerland	4 571	539.3	576	68.0	5 147	607.2
Austria	4 899	560.8	484	55.4	5 383	616.3
Norway	2 719	512.5	588	110.8	3 307	623.4
Sweden	4 846	489.0	661	66.7	5 507	555.6
Finland	2 988	541.0	428	77.5	3 416	618.5
Denmark	2 530	441.2	451	78.7	2 981	519.9
Russia	46 747	324.7	6 214	43.2	52 961	367.8
Poland	22 573	591.4	3 910	102.4	26 483	693.8
Hungary	3 472	357.1	481	49.5	3 953	406.6
Ukraine	8 639	195.4	1 341	30.3	9 980	225.7
<b>America</b>						
U.S.A.	124 141	382.6	151 878	468.1	276 019	850.7
Canada	22 678	619.2	1 168	31.9	23 846	651.1
Mexico	30 089	233.0	11 222	86.9	41 311	319.8
Brasil	36 190	172.9	7 407	35.4	43 597	208.3
Argentina	10 690	241.5	3 419	77.2	14 109	318.7
<b>Africa</b>						
Egypt	4 384	44.9	1 446	14.8	5 830	59.8
South Africa	7 810	137.7	5 579	98.4	13 389	236.1
<b>Oceania</b>						
Australia	14 275	583.8	4 038	165.1	18 313	749.0
New Zealand	3 314	704.2	756	160.6	4 070	864.9

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

## 7. Number of People Who Hold a Driver's License in Japan (end of 2019)

(persons, %)

	Male		Female		Total	
		% of license holders		% of license holders		% of license holders
Age 15~19*	508 314	17.0	356 736	12.6	865 050	14.8
Age 20~24	2 531 713	76.7	2 140 939	69.3	4 672 652	73.1
Age 25~29	2 867 111	88.8	2 530 227	83.5	5 397 338	86.2
Age 30~34	3 239 191	94.4	2 908 120	88.4	6 147 311	91.5
Age 35~39	3 695 692	97.0	3 389 708	91.4	7 085 400	94.2
Age 40~44	4 256 783	97.0	3 927 731	92.0	8 184 514	94.5
Age 45~49	4 818 948	97.0	4 454 490	91.7	9 273 438	94.3
Age 50~54	4 177 627	96.7	3 850 087	90.2	8 027 714	93.5
Age 55~59	3 711 229	95.9	3 373 090	87.2	7 084 319	91.5
Age 60~64	3 490 170	94.3	3 078 885	81.0	6 569 055	87.6
Age 65~69	3 793 321	91.2	3 105 198	69.9	6 898 519	80.2
Age 70~74	3 598 414	86.9	2 528 031	54.5	6 126 445	69.8
Age 75~79	2 329 766	71.9	1 211 247	30.3	3 541 013	48.9
Age 80~84	1 232 337	55.8	430 319	13.7	1 662 656	31.1
Age 85 and over	528 080	28.2	94 924	2.3	623 004	10.5
Total	44 778 696	72.9	37 379 732	57.7	82 158 428	65.1

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. However, because population statistics are calculated over five-year intervals, the first item is shown as "Age 15-19".

## 8. Traffic Accidents in Japan

## 8-1 Number of traffic accidents, fatalities, and injuries

(person)

	Number of traffic accidents		Number of fatalities	Number of injuries	The number of all traffic accidents, that occurred on expressways (National & designated expressways)		
		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
2000	931 934	8 707	9 066	1 155 697	14 325	327	367
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	204
2015	536 899	4 028	4 117	666 023	9 842	200	215
2016	499 201	3 790	3 904	618 853	9 198	176	196
2017	472 165	3 630	3 694	580 850	8 758	155	169
2018	430 601	3 449	3 532	525 846	7 934	159	173
2019	381 237	3 133	3 215	461 775	7 094	150	163

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



## 8-2 Number of fatalities by age group and by circumstances of accident (2019)

(person)

Age group	Situation	in a vehicle			on a motorcycle				Total	On a bicycle	While walking	Other	Total
		Driver	Passenger	Subtotal	motorcycles			Mopends					
					Driver	Passenger	Subtotal						
15 and under	Fatalities	0	20	20	0	1	1	0	1	8	23	0	52
	increased/decreased by*	0	3	3	-2	0	-2	-2	-4	-11	-15	0	-27
Age 16~19	Fatalities	12	23	35	45	4	49	9	58	7	11	0	111
	increased/decreased by*	-7	9	2	-3	2	-1	-11	-12	-6	6	0	-10
Age 20~24	Fatalities	49	20	69	53	0	53	7	60	14	22	0	165
	increased/decreased by*	2	2	4	9	-1	8	-1	7	0	-1	0	10
Age 16~24	Fatalities	61	43	104	98	4	102	16	118	21	33	0	276
	increased/decreased by*	-5	11	6	6	1	7	-12	-5	-6	5	0	0
Age 25~29	Fatalities	31	9	40	18	0	18	4	22	5	18	0	85
	increased/decreased by*	1	2	3	-14	0	-14	-7	-21	-3	6	0	-15
Age 30~39	Fatalities	65	10	75	33	0	33	11	44	11	50	1	181
	increased/decreased by*	-14	2	-12	-15	-3	-18	3	-15	2	-4	-1	-30
Age 40~49	Fatalities	82	9	91	74	1	75	17	92	20	77	1	281
	increased/decreased by*	-29	-5	-34	-5	0	-5	-2	-7	1	5	-1	-36
Age 50~59	Fatalities	111	18	129	83	0	83	18	101	47	94	0	371
	increased/decreased by*	-13	6	-7	8	0	8	-5	3	-2	10	-1	3
Age 60~64	Fatalities	64	8	72	22	0	22	9	31	22	62	0	187
	increased/decreased by*	9	-3	6	-7	0	-7	-11	-18	-6	-9	-1	-28
Age 65~69	Fatalities	70	23	93	14	0	14	15	29	42	102	1	267
	increased/decreased by*	-22	3	-19	-1	0	-1	-6	-7	-1	-20	0	-47
Age 60~69	Fatalities	134	31	165	36	0	36	24	60	64	164	1	454
	increased/decreased by*	-13	0	-13	-8	0	-8	-17	-25	-7	-29	-1	-75
Age 70~74	Fatalities	90	23	113	5	0	5	12	17	65	125	3	323
	increased/decreased by*	-25	0	-25	-3	0	-3	-11	-14	6	-9	3	-39
Age 75 and over	Fatalities	225	121	346	8	0	8	47	55	192	592	7	1192
	increased/decreased by*	-35	0	-35	-5	0	-5	-10	-15	0	-51	3	-98
Age 70 and over	Fatalities	315	144	459	13	0	13	59	72	257	717	10	1515
	increased/decreased by*	-60	0	-60	-8	0	-8	-21	-29	6	-60	6	-137
Total	Fatalities	799	284	1083	355	6	361	149	510	433	1176	13	3215
	increased/decreased by*	-133	19	-114	-38	-2	-40	-63	-103	-20	-82	2	-317

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

\* Compared with 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
<b>Asia</b>						
Japan	2017	127 484	4 431	3.5	0.57	0.6
Korea	2017	50 982	4 185	8.2	1.86	0.9
Chinese Taipei	2017	23 626	1 517	6.4	1.92	1.4
China	2017	1 409 517	63 772	4.5	2.96	7.6
Hong-Kong	2017	7 365	108	1.5	1.51	0.8
Thailand	2016	69 038	8 433	12.2	4.98	
Malaysia	2017	31 624	6 740	21.3	4.69	
Indonesia	2017	263 991	30 568	11.6	12.94	
Singapore	2017	5 709	121	2.1	1.48	0.7
India	2017	1 339 180	147 913	11.0	31.80	26.0
Turkey	2017	80 745	7 427	9.2	4.30	2.8
<b>Europe</b>						
U.K.	2017	66 182	1 793	2.7	0.45	0.3
Germany	2017	82 114	3 180	3.9	0.63	0.4
France	2017	64 980	3 448	5.3	0.88	0.6
Netherlands	2017	17 036	613	3.6	0.63	0.5
Belgium	2017	11 429	615	5.4	0.93	0.6
Italy	2016	59 360	3 283	5.5	0.75	
Spain	2017	46 354	1 830	3.9	0.64	1.5
Portugal	2017	10 330	630	6.1	1.08	
Greece	2017	11 160	731	6.6	1.11	1.0
Switzerland	2017	8 476	230	2.7	0.45	0.4
Austria	2017	8 735	414	4.7	0.77	0.5
Norway	2017	5 305	106	2.0	0.32	0.2
Sweden	2017	9 911	253	2.6	0.46	0.3
Finland	2017	5 523	238	4.3	0.70	0.6
Denmark	2017	5 734	175	3.1	0.59	0.3
Russia	2017	143 990	19 088	13.3	3.60	
Poland	2017	38 171	2 831	7.4	1.07	1.2
Hungary	2017	9 722	625	6.4	1.58	1.5
Ukraine	2017	44 223	3 432	7.8	3.44	
<b>America</b>						
U.S.A.	2017	324 459	37 132	11.4	1.35	0.7
Canada	2017	36 624	1 841	5.0	0.77	0.6
Mexico	2017	129 163	2 919	2.3	0.71	1.6
Brasil	2017	209 288	6 245	3.0	1.43	
Argentina	2016	44 271	5 582	12.6	3.96	
<b>Africa</b>						
Egypt	2017	97 553	3 747	3.8	6.43	
South Africa	2016	56 717	14 071	24.8	10.51	10.7
<b>Oceania</b>						
Australia	2017	24 451	1 222	5.0	0.67	0.5
New Zealand	2017	4 706	378	8.0	0.93	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 are estimates 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 2010		FY 2015	FY 2016	FY 2017	FY 2018		
Traffic control centers (number of cities)		74	74	75	75	75	75	(spot)	163	163	163	162		
Traffic information devices	Traffic information boards	-	1 604	2 175	-	Optical Beacon (unit)			55 849	55 891	55 798	55 586		
	Roadside communication terminals	-	192	274	-	Traffic Information Boards (unit)			3 598	3 578	3 542	3 510		
Traffic Signals	Centralized control units		32 585	43 019	50 556	57 908	66 037	72 211	→	73 702	73 684	73 471	73 400	
	Synchronized control system	Automatic traffic-actuated units	5 576	4 682	4 585	4 023	2 293	481	→	0	0	0	0	
		Programmed multi-stage units	12 814	14 355	17 340	20 218	22 653	23 382	→	25 717	26 010	26 438	26 787	
		Push-button units	1 164	801	1 213	963	1 106	1 168	→	960	914	909	884	
	Independent control system	Traffic-actuated control	Full traffic-actuated units	1 120	984	959	867	802	739	→	786	778	793	798
			Semi traffic-actuated units	6 640	7 788	10 110	11 535	13 032	14 533	→	15 275	14 864	14 763	14 709
			Bus-actuated units	238	101	165	154	127	116	→	32	31	35	31
			Train-actuated units	228	162	180	177	183	184	→	148	131	150	153
		Fixed-cycle units (including programmed multi-stage units)	35 577	41 200	45 282	48 802	51 087	52 059	→	52 531	55 018	55 304	55 498	
	Push-button units	23 113	20 713	23 083	25 696	28 200	30 599	→	32 507	30 772	30 800	30 765		
Single flashing units	465	1 829	4 319	5 670	6 250	6 406	→	6 080	5 859	5 563	5 226			
Total units		119 520	135 634	157 792	176 013	191 770	201 878	→	207 738	208 061	208 226	208 251		
Lights	For vehicles		-	720 725	885 383	1 001 623	1 125 659	1 222 359	→	1 262 112	1 265 822	1 268 233	1 269 476	
	(LED lights)		-	-	-	-	144 013	390 561	→	653 669	695 490	733 073	768 638	
	For pedestrians		-	524 122	634 959	764 976	869 188	942 451	→	999 086	1 006 283	1 012 279	1 019 470	
	(LED lights)		-	-	-	-	46 461	214 243	→	450 218	497 342	529 978	559 819	
Traffic signs	Variable signs		23 089	24 109	23 259	30 186	27 526	19 816	(piece)	12 901	12 116	11 829	11 297	
	Fixed signs	Large signs	420 640	500 347	582 255	617 279	642 270	614 753	(piece)	351 329	335 651	325 697	321 274	
		Roadside signs	9 705 165	10 020 616	10 379 062	10 183 538	9 422 368	9 416 920	(piece)	5 950 131	5 835 025	5 833 148	5 827 157	
Road markings	Crosswalks (number of)		719 548	801 464	890 723	967 355	1 054 219	10 031 673	→	1 142 663	1 146 201	1 149 977	1 155 687	
	Solid lines (km)		110 465	116 248	115 898	125 838	131 141	124 129	→	122 386	122 713	120 451	119 193	
	Graphic markings (number of)		3 238 374	3 913 961	3 995 149	3 945 511	4 506 671	4 637 370	→	4 649 172	4 648 731	4 635 741	4 352 846	

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
2000	115 696	1 225 194	1 771 028	1 275	3 113 193	429.4
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	118 877	1 661 432	3 004 444	775	4 785 528	623.8
2014	119 943	1 699 455	3 068 737	606	4 888 741	631.9
2015	119 872	1 762 050	3 106 853	601	4 989 376	645.4
2016	118 009	1 805 432	3 171 713	601	5 095 755	656.2
2017	116 332	1 823 115	3 271 052	601	5 211 100	668.6
2018	114 835	1 878 182	3 347 922	601	5 341 540	683.6

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 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	1 642	12 926	29 324	40 608
1997	27 636	1 630	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
2013	18 211	1 194	7 746	19 405	25 957
2014	17 338	1 187	7 584	18 525	24 922
2015	16 742	1 135	7 229	17 877	23 971
2016	16 064	1 143	7 209	17 207	23 273
2017	15 730	1 126	7 057	16 856	22 787
2018	15 392	1 119	6 992	16 511	22 384
2019	15 056	1 112	6 910	16 168	21 966

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	596	194	32 264	3 516	201 947	-	-	3 712	234 807
Sendai City, Miyagi Pref.	3	900	92	16 928	1 044	87 066	-	-	1 139	104 894
Saitama City, Saitama Pref.	2	601	120	21 277	173	22 084	-	-	295	43 962
Special Wards of Tokyo	47	16 361	665	95 938	22 314	648 984	-	-	23 026	761 283
Yokohama City, Kanagawa Pref.	7	3 351	240	41 978	7 177	362 829	-	-	7 424	408 158
Kawasaki City, Kanagawa Pref.	1	347	101	13 911	1 305	67 215	-	-	1 407	81 473
Nagoya City, Aichi Pref.	14	4 853	332	88 085	3 048	162 653	-	-	3 394	255 591
Kyoto City, Kyoto Pref.	4	1 017	113	33 387	863	36 103	-	-	939	70 606
Osaka City, Osaka Pref.	10	4 290	825	68 183	7 614	285 384	-	-	8 449	350 856
Kobe City, Hyogo Pref.	12	3 649	251	53 285	1 090	64 337	-	-	1 353	121 271
Hiroshima City, Hiroshima Pref.	6	2 280	182	26 569	1 730	62 681	13	533	1 880	89 766
Fukuoka City, Fukuoka Pref.	7	2 838	349	60 927	3 224	124 473	-	-	3 580	188 238

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	
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
		Female	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
		Female	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
		Female	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
		Female	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
		Female	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
		Female	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
		Female	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
		Female	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
		Female	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
		Female	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
		Female	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
		Female	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
		Female	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
		Female	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
		Female	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
2016	Weekday	Male	7:34	1:19	1:37	1:25	9:08	6:53	1:39	2:10	1:49	1:06	1:32	3:30	2:15	2:15	3:03	1:53	2:23	2:41	2:26	2:00
		Female	7:25	1:29	1:42	1:11	7:10	6:14	3:31	2:01	3:34	1:08	1:19	3:09	2:11	1:58	2:24	1:31	2:21	2:21	2:21	1:41
	Saturdays	Male	8:04	1:26	1:44	1:15	8:09	4:34	1:47	1:54	3:10	1:32	1:54	4:09	2:58	2:43	4:08	2:56	3:31	3:39	2:14	2:25
		Female	7:52	1:41	1:48	1:07	6:34	3:57	3:26	2:06	3:48	1:30	1:41	3:29	2:37	2:27	3:03	2:07	3:03	3:15	2:13	2:14
	Sundays	Male	8:25	1:30	1:48	1:12	7:37	4:08	1:49	1:58	3:09	1:42	1:58	4:37	3:15	2:56	4:17	3:05	3:39	3:41	3:12	2:27
		Female	8:09	1:44	1:52	1:06	6:23	3:22	3:26	2:04	3:47	1:40	1:45	3:40	2:45	2:27	3:08	2:20	3:03	3:14	3:14	2:14

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		2015	
		Going to work	Going to school	Going to work	Going to school	Going to work	Going to school	Going to work	Going to school	Going to work	Going to school	Going to work	Going to school
Whole nation		1:07	1:06	1:15	1:11	1:16	1:05	1:16	1:05	1:16	1:12	1:19	1:16
By gender	Male	1:13	1:05	1:23	1:10	1:21	1:06	1:21	1:06	1:23	1:13	1:27	1:17
	Female	:57	1:08	1:02	1:12	1:09	1:04	1:09	1:04	1:06	1:12	1:08	1:14
Male: by age group	10~15	:35	:50	:51	:54	:15	:52	:15	:52	-	-	-	-
	16~19	:56	1:22	1:02	1:31	:43	1:31	:43	1:31	-	-	-	-
	10s	-	-	-	-	-	-	-	-	0:53	1:09	:47	1:14
	20s	1:09	1:38	1:18	1:45	1:16	1:46	1:16	1:46	1:16	2:00	1:24	1:53
	30s	1:10	:46	1:20	:44	1:18	1:17	1:18	1:17	1:17	1:15	1:27	1:08
	40s	1:16	:46	1:22	1:22	1:20	:40	1:20	:40	1:33	:33	1:25	:48
	50s	1:17	:42	1:30	:31	1:26	:51	1:26	:51	1:27	:39	1:31	:54
	60s	1:16	1:48	1:25	:32	1:28	:49	1:28	:49	1:22	-	1:30	:39
	70s and over	1:00	1:50	1:20	1:15	1:10	:15	1:10	:15	1:39	-	1:23	:47
Female: by age group	10~15	:34	:52	:39	:55	-	:50	-	:50	-	-	-	-
	16~19	1:02	1:29	:59	1:34	:57	1:26	:57	1:26	-	-	-	-
	10s	-	-	-	-	-	-	-	-	1:16	1:11	1:08	1:14
	20s	1:13	1:40	1:14	1:42	1:20	1:05	1:20	1:05	1:17	1:54	1:25	1:51
	30s	:50	:31	1:00	:53	1:14	1:02	1:14	1:02	1:09	:49	1:11	:40
	40s	:48	:35	:55	:48	1:01	:40	1:01	:40	1:02	:39	1:07	:43
	50s	:55	:51	:59	:55	1:03	:39	1:03	:39	:56	:20	1:01	:35
	60s	:56	:31	1:05	:47	1:12	:35	1:12	:35	1:13	:49	1:00	:52
	70s and over	:55	1:00	:55	1:10	:58	-	:58	-	1:14	:45	1:03	1:04
By occupation	Farmer / fisher / forest worker	:46	:29	1:12	:35	1:04	-	1:04	-	:48	-	1:27	:35
	Self-employed	:53	1:05	1:09	:42	1:18	1:00	1:18	1:00	1:09	:50	1:18	:45
	Sales or service person	1:02	:51	1:09	1:11	1:17	:37	1:17	:37	1:12	:42	1:13	1:07
	Blue-collar worker (skilled / unskilled)	1:02	:48	1:10	:45	1:12	:36	1:12	:36	1:17	:31	1:14	:43
	Office worker / technical expert	1:15	:46	1:21	:49	1:20	:53	1:20	:53	1:19	:59	1:26	:46
	Management & administration	1:28	1:27	1:37	1:17	1:23	1:15	1:23	1:15	1:23	:55	1:28	:43
	Professional or free-lance worker, or other	1:12	:58	1:13	:48	1:18	1:00	1:18	1:00	1:19	:36	1:19	:30
	Housewife	:51	:48	:58	:50	1:03	:25	1:03	:25	1:19	:35	:49	:50
	Unemployed	1:11	:58	1:12	1:10	1:27	1:15	1:27	1:15	1:44	:39	1:11	1:06
By size of city	Tokyo area	1:32	1:17	-	-	1:39	1:13	1:42	1:19	1:37	1:25	1:42	1:27
	Osaka area	1:20	1:09	-	-	1:28	1:11	1:25	1:24	1:28	1:05	1:26	1:18
	City of a half million or more	1:03	1:04	-	-	1:11	:55	1:12	1:07	1:09	1:00	1:09	1:08
	City of 100,000 or more and less than 500,000	:59	:59	-	-	1:05	1:02	1:05	0:58	1:05	1:10	1:11	1:14
	City of less than 100,000	:55	1:03	-	-	:55	:54	1:03	0:58	1:10	1:04	1:11	1:11
Town / village	:56	1:06	-	-	1:05	1:13	1:06	1:06	1:03	1:27	1:08	1:12	

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)

	1990	1995	2000	2005	2010	2015	2016	2017	2018	2019	
Consumption expenditures	331 595	349 663	341 896	296 790	283 401	276 567	268 289	271 136	275 706	280 531	100.0%
Food	79 993	78 947	75 174	64 282	63 031	66 217	65 523	65 136	66 950	67 342	24.0%
Housing	16 475	23 412	21 716	23 713	22 479	21 757	21 783	21 159	20 855	21 783	7.8%
Utilities	16 797	19 551	21 282	18 004	18 400	19 150	17 233	17 671	18 471	18 225	6.5%
Furniture / housework supplies	13 103	13 040	11 268	8 634	8 725	8 913	8 916	8 884	9 366	9 831	3.5%
Clothing & shoes	23 902	21 085	17 195	13 374	12 343	12 192	11 175	11 403	11 286	11 208	4.0%
Health maintenance / medical expenditures	8 670	9 334	10 901	10 240	9 655	9 472	9 505	9 926	10 267	10 827	3.9%
Transport / communications	33 499	38 524	43 632	43 296	42 916	43 080	41 672	42 079	45 505	46 679	16.6%
Transport & motor vehicle related expenditures	27 072	31 419	33 118	31 372	30 173	29 257	27 625	27 879	30 943	33 032	11.8%
Transport	7 543	8 064	7 873	8 090	6 747	7 461	6 858	6 979	7 093	7 849	2.8%
Railway fares	2 730	2 654	2 453	2 533	2 164	2 491	2 165	2 203	2 318	2 565	0.9%
Railway passes	1 877	2 269	2 198	2 311	2 041	2 188	2 116	2 153	2 198	2 135	0.8%
Bus fares	423	356	326	342	373	401	364	370	388	424	0.2%
Bus passes	463	474	395	400	250	220	173	176	189	261	0.1%
Taxi fares	671	545	460	406	445	516	466	474	433	510	0.2%
Airplane fares and other	1 379	1 766	2 041	2 099	1 473	1 646	1 575	1 602	1 566	1 954	0.7%
Vehicle related expenditures	19 529	23 355	25 245	23 282	23 426	21 796	20 767	20 900	23 850	25 183	9.0%
Purchase of motor vehicle, etc.	6 842	7 734	8 847	6 187	6 462	5 701	5 725	5 725	6 516	7 437	2.7%
Purchase of bicycle	369	337	342	199	272	249	333	333	455	411	0.1%
Maintenance of motor vehicle	12 319	15 284	16 055	16 896	16 692	15 846	14 709	14 709	16 879	17 334	6.2%
Communication	6 426	7 104	10 514	11 924	12 744	13 824	14 047	14 200	14 112	13 647	4.9%
Education	16 827	18 467	18 261	13 934	13 707	13 083	13 749	13 503	13 573	12 873	4.6%
Cultural matters / entertainment	31 761	33 221	33 796	31 332	31 575	27 486	27 497	27 034	27 160	28 219	10.1%
Other expenditures	90 569	94 082	88 670	69 979	60 569	55 218	51 237	54 342	52 721	53 542	19.1%

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	2010	2015	2016	2017	2018	2019
Overall consumer prices	93.5	100.0	101.5	99.3	98.9	101.7	102.3	102.9	103.8	104.3
Transport / communication	99.0	100.0	97.8	96.6	95.1	98.5	96.5	96.8	98.1	97.5
Transport	93.5	100.0	105.6	106.1	105.4	114.6	114.5	114.4	114.5	115.3
Railway fees (excl. Japan Railway)	86.8	100.0	110.7	111.2	111.8	114.5	114.7	115.1	115.1	115.8
Railway fees (Japan Railway)	100.0	100.0	103.2	102.8	102.8	105.6	105.6	105.6	105.6	106.2
General route bus fares	88.8	100.0	105.5	105.3	106.1	109.6	109.8	109.8	110.4	111.2
Taxi fares	82.2	100.0	106.3	106.2	113.1	117.1	117.5	117.9	118.5	119.3
Air fares	100.3	100.0	102.4	108.3	109.4	119.4	116.4	112.2	113.0	114.4
Toll road fares	95.2	100.0	103.7	104.4	92.5	132.9	133.4	134.4	134.9	135.4
Motor vehicle related expenditures	100.1	100.0	95.2	98.5	99.1	103.4	100.3	102.8	106.0	106.1
Motor vehicles	100.4	100.0	101.0	99.7	98.4	101.1	101.3	101.3	101.9	102.7
Maintenance of motor vehicles	100.0	100.0	93.1	98.1	99.1	103.7	99.4	102.7	106.8	106.6
Gasoline	110.4	100.0	91.0	107.4	115.2	119.3	104.6	116.0	130.2	127.2
Rent for parking spaces	82.0	100.0	101.6	100.3	98.5	96.9	96.9	96.9	97.3	97.5
Parking fees	87.7	100.0	99.1	95.4	92.1	92.3	91.6	93.2	94.4	94.8
Communications	105.8	100.0	93.4	79.5	74.2	73.8	73.1	70.3	69.2	67.1
Postage	81.0	100.0	100.0	100.0	100.0	104.0	104.0	115.6	124.0	124.5
Fixed telephone charge**	110.0	100.0	93.7	75.0	75.2	77.6	78.8	78.8	78.8	79.1
Shipping fees	89.8	100.0	101.8	101.8	95.3	97.9	97.9	100.1	109.5	110.2

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, 2019)

	All Cities	City size				Metropolitan areas				
		Big Cities	Middle-size cities	Small cities A	Small cities B & towns / villages	Kanto (Tokyo area)	Tokai (Nagoya area)	Kinki (Osaka area)	Chugoku (Hiroshima area)	Kyushu (Fukuoka area)
Consumer expenditures	249 704	245 309	252 741	251 970	249 963	268 389	255 551	237 645	242 717	232 068
Food	63 482	64 336	64 207	62 425	61 511	68 603	63 966	63 453	59 902	57 219
Housing	18 356	22 427	18 208	14 863	14 532	21 788	16 133	16 496	18 834	16 389
Utilities	18 485	16 497	18 819	19 311	21 330	18 155	18 629	17 302	17 257	16 556
Furniture / housework utensils	9 402	8 543	9 658	9 759	10 383	10 064	10 565	8 438	9 613	9 252
Clothing & shoes	9 074	9 457	9 138	8 935	8 203	10 105	9 340	8 707	8 372	8 788
Health maintenance / medical treatment	11 820	11 790	11 918	11 897	11 537	13 047	12 088	11 084	11 300	11 225
Transport / communication	36 005	31 349	36 475	38 031	43 117	36 289	39 805	30 846	39 957	34 050
(Ratio to the total consumption expenditure)	14.4%	12.8%	14.4%	15.1%	17.2%	13.5%	15.6%	13.0%	16.5%	14.7%
Transport	5 732	7 596	5 263	4 962	3 412	7 841	4 894	5 517	4 298	3 854
(Ratio to the total consumption expenditure)	2.3%	3.1%	2.1%	2.0%	1.4%	2.9%	1.9%	2.3%	1.8%	1.7%
Vehicle related expenditures	13 603	19 811	21 170	26 752	24 143	17 332	22 959	14 506	24 536	18 934
(Ratio to the total consumption expenditure)	5.4%	8.1%	8.4%	10.6%	9.7%	6.5%	9.0%	6.1%	10.1%	8.2%
Purchase of motor vehicles, etc.	3 340	5 550	4 296	7 691	6 010	4 413	5 783	2 845	7 914	4 596
Purchase of bicycle	389	263	229	184	140	368	387	348	205	131
Maintenance of motor vehicle	9 875	13 999	16 645	18 877	17 993	12 551	16 789	11 313	16 416	14 207
Communication	10 150	11 401	11 899	12 952	12 641	11 116	11 952	10 822	11 123	11 261
(Ratio to the total consumption expenditure)	4.1%	4.6%	4.8%	5.2%	5.1%	4.5%	4.8%	4.3%	4.5%	4.5%
Education	8 149	8 059	7 548	5 479	4 722	9 679	8 683	7 322	5 929	5 777
Cultural matters / entertainment	26 915	25 817	25 864	22 602	21 379	29 468	25 777	25 747	23 406	21 130
Other expenditures	45 845	50 443	53 337	51 269	52 243	51 191	50 566	48 250	48 146	51 682

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 2015	FY 2016	FY 2017	FY 2018
Passenger transport	23 805	29 728	34 016	44 922	54 192	58 100	59 041	54 873	49 213	48 667	48 053	47 171
Railways	1 456	1 513	1 520	1 847	1 947	1 941	2 007	1 987	1 959	1 971	1 990	1 992
Buses	1 414	1 339	1 297	1 530	1 505	1 378	1 503	1 623	1 589	1 559	1 539	1 508
Passenger cars	19 129	24 385	28 764	38 537	46 903	51 104	51 419	47 110	41 283	40 898	40 495	39 639
Commercial passenger cars	2 089	1 870	2 113	2 384	1 735	1 532	1 494	1 284	1 006	942	896	826
Private passenger cars	17 040	22 515	26 651	36 153	45 168	49 572	49 925	45 826	40 277	39 956	39 599	38 813
Passenger ships	140	130	99	167	140	208	173	144	149	150	152	151
Aircraft	1 665	2 360	2 336	2 840	3 697	3 469	3 940	4 007	4 234	4 090	3 877	3 881
Freight transport	22 491	25 274	24 864	29 464	32 448	32 639	31 459	28 251	27 596	27 253	27 377	27 154
Railways	407	320	198	160	154	134	140	124	125	126	127	127
Passenger cars	15 690	18 901	19 574	25 278	27 977	26 657	25 970	24 371	24 951	24 584	24 788	24 624
Coastal shipping	6 268	5 833	4 769	3 613	3 794	5 279	4 792	3 245	2 010	2 052	1 990	1 967
Aircraft	126	221	323	414	523	570	557	511	509	492	472	436
<b>Total (Passenger &amp; Freight)</b>	<b>46 296</b>	<b>55 002</b>	<b>58 880</b>	<b>74 386</b>	<b>86 640</b>	<b>90 739</b>	<b>90 500</b>	<b>83 124</b>	<b>76 809</b>	<b>75 920</b>	<b>75 430</b>	<b>74 325</b>

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

## 14-2 Energy consumption in Japan and other countries (2017)

	Japan	U.S.A.	Germany	U.K.	France	China	Russia
Energy consumption per person (oil-equivalent; tons / person)	3.41	6.63	3.77	2.66	3.70	2.21	5.07
Oil consumption per person (oil-equivalent; tons / person)	1.39	2.43	1.25	0.92	1.09	0.41	1.07
Total energy consumption (oil-equivalent; x 1 million tons)							
As primary energy	432	2 155	311	176	247	3 063	732
As final consumption	293	1 520	227	127	154	1 995	488
Breakdown of final energy consumption (oil-equivalent; x 1 million tons)							
Industrial sector	86	261	56	23	28	986	150
(%)	(29.5)	(17.2)	(24.8)	(18.0)	(18.2)	(49.4)	(30.7)
Transport sector	71	625	58	42	45	310	96
(%)	(24.2)	(41.1)	(25.4)	(32.7)	(29.5)	(15.5)	(19.7)
Commercial & residential sector	101	488	90	56	67	537	173
(%)	(34.5)	(32.1)	(39.6)	(43.7)	(43.4)	(26.9)	(35.5)

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

## 15. Travel in Japan

## 15-1 Number of trips made per person by trip purpose

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

## 15-2 Number of trips made per person by trip purpose and by automobile ownership

(unit: 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 (%)

(Unit: %)

		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	Motorcycles	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 Number of trips per person by city type

		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	Motorcycles	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 of the main transport mode)

(Unit: %)

City area	Transport Purpose	Transport					Total
		Railways	Buses	Motor vehicles	Motorcycles	Walking & other	
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 (2015, 57 Cities)

Cities	Population	Gross product of the area per person	Motor vehicle Ownership		Annual average distance traveled by private cars	Shares of transport modes			Average number of trips	Average travel time for private cars
			Passenger Car	Motorcycles		Public transport	Walking & bicycles	Private cars		
	(x1000persons)	(euro/person/Year)	(vehicles/1000persons)	(vehicles/1000persons)	(km/vehicle/year)	(%)	(%)	(%)	(trips/person/day)	(min.)
Abu Dhabi	913	78,700	528	6.0	12,618	4.9	11.8	83.3	2.06	22.0
Addis Abeba	3,384		35	3.8	4,637	48.2	42.7	9.1	1.11	60.0
Amsterdam	1,450	36,100	371	29.5						
Ankara	4,606	8,700	195	8.1	8,999					
Athens	3,828	26,200	718							
Barcelona	3,220	23,500	383	106.8		23.8	51.7	23.9	3.22	
Beijing	20,693	11,500	209							
Berlin	3,375	27,900	339	29.4		26.0	43.0	31.0	3.00	22.0
Birmingham	2,762	21,300	450	12.1	8,813	12.2	23.9	63.8	2.38	24.0
Brisbane	2,880	48,000	624	36.6	10,900	6.4	10.5	83.1	3.00	
Brussels	1,154	30,300	441	26.4	4,718	26.9	40.5	33.6	2.77	19.0
Budapest	1,727	22,300	327	13.4		37.0	24.7	38.3	2.13	
Casablanca	4,055	3,700	369			13.0	53.0	34.0	2.71	
Chicago	8,444		391	27.7	27,945	6.9	11.5	81.6	3.11	22.0
Copenhagen	1,691	57,700	360	18.8						
Delhi	16,753	2,900	147	296.2		21.5	45.0	25.1	1.43	
Dubai	2,003	32,100	461	10.0	17,937	10.9	13.2	75.9	1.81	32.0
Dublin	1,804	39,900	396	8.9		12.0	13.0	75.0	2.00	21.0
Geneva	470	81,400	467	110.1		16.0	42.0	41.0	3.40	27.0
Glasgow	2,162		440	8.3	14,182	12.1	25.0	62.9	2.80	
Gothenburg	1,600	36,800	453	30.6	14,442	10.6	28.1	59.7	2.74	
Hamburg	3,327	35,900	452	36.5		13.4	40.4	51.7	2.87	23.0
Helsinki	1,165		391	30.0		26.1	33.8	40.0	2.95	
Hong Kong	7,071	29,400	70	8.1	11,400	52.2	36.9	11.5	2.39	
Jerusalem	1,130		190	10.4		15.3	37.3	42.2	2.49	14.0
Johannesburg	4,434		171	6.5	8,134	10.0	30.9	57.0	1.10	
Lagos	20,621	4,800	75	1.5	6,867	48.0	40.0	12.0	1.07	60.0
Lisbon	2,800	20,100	433							
London	8,310	44,300	307	14.9	8,950	35.0	26.1	38.8	3.13	
Madrid	6,498	26,900	506	45.3		28.6	30.4	40.8	2.45	
Melbourne	4,194		593	24.4		7.5	18.0	73.7	2.85	19.0
Milan	2,123	43,000	570	111.5	3,747	42.3	13.1	44.5	2.47	22.0
Montreal	3,772		573			17.9	12.3	69.1	2.32	
Moscow	12,197	23,700	319	6.1	6,000					
Mumbai	20,748		28	50.4		45.0	33.0	22.0	1.66	
Munich	1,439	51,900	452	38.4		21.0	42.0	37.0	3.40	27.0
Nairobi	4,500		72			7.6	47.8	15.2	1.32	
Oslo	1,169	71,500	450	51.0	10,700	23.5	28.1	48.4	2.76	
Paris	11,978	45,800	414	41.8		20.3	40.4	39.2	3.40	23.0
Phoenix	4,087	36,700	584	22.5	15,641	1.4	10.1	84.3	3.76	14.0
Portland	1,489		840	28.4	8,873	4.2	12.0	83.7	3.70	17.0
Prague	1,246	27,300	538	63.9	9,898	52.8	21.8	25.4	2.95	14.0
Rome	2,913	42,800	641	142.2		25.7	14.0	60.2	1.97	
Seoul	24,734		271	33.4		36.9	23.7	39.3	2.37	30.0
Singapore	5,312	39,400	116	27.1	18,183	44.0	23.1	33.2	2.45	26.0
Stockholm	2,127	52,000	389	19.0	14,691	20.9	35.1	44.1	2.53	
Strasbourg	473	49,400	545			12.2	41.4	46.4	3.82	19.0
Sydney	4,676	47,900	500	20.9	13,088	5.9	19.1	72.9	3.48	19.0
Taipei	2,673		283	411.5		32.0	19.0	48.0	2.67	
Tallinn	416	16,200	378	16.0		40.0	34.0	26.0		
Tehran	8,400		370	38.0		12.7	36.2	51.1	2.76	25.0
Tokyo	37,239	39,600	329	30.6	7,742	33.0	36.0	29.0	2.45	
Turin	1,515	27,200	661			18.9	26.3	54.6	2.44	18.0
Vancouver	2,410		439	21.2		14.0	13.0	73.0	2.52	
Vienna	1,741	40,500	390	47.9	5,908	39.4	33.8	26.9	2.66	
Warsaw	1,715	25,600	575	19.2						
Zurich	1,406	71,400	484	72.2		21.4	29.6	49.1	3.47	

Source: MOBILITY IN CITIES DATABASE 2015

Annual supply of public transport	Length of roads	Average travel speed			Annual use		Population density in city		Urbanization rate
		Private cars	Railways	Buses	Private cars	Public transport	Population	Employment	
(Capacity: person kilometers /person)	(km/1000 persons)	(km/hour)	(km/hour)	(km/hour)	(person kilometers/person)	(person kilometers/person)	(persons/ha)	(persons/ha)	(%)
3,548	8.9	58.0		18.0	9,676	128	5.3	3.0	81.9
	1.4				654				
	3.6						42.8	26.2	33.7
6,949	12.9	29.0	38.5	22.2		2,502	26.4	9.6	25.1
	4.7						64.4		15.6
16,476		20.9	40.5	12.1	3,274	2,196	145.7	59.1	34.7
	1.0	24.8					164.0		10.3
13,678	1.6	24.9	34.0	19.5	3,224	1,968	53.9	19.1	70.1
3,694	2.8	21.3	39.7	19.0	6,284	1,084	55.5	25.6	55.8
6,093	10.9	41.2	43.0	28.0	7,471	721	6.8	2.8	20.1
9,342	1.6				2,794	2,046	86.2	53.4	83.3
10,314	2.5	25.0	19.9	15.8		3,008	63.2	27.5	52.0
	0.2						178.0	55.0	14.1
4,354	5.7		39.6	16.4	12,038	802	13.9	6.5	58.4
	3.2					2,246	22.9	12.3	28.7
3,206		23.5					238.7	75.5	47.3
4,129	1.9		42.1	15.5	11,595	789	19.6	12.9	24.8
6,451	0.3		46.4	19.4	3,730	730			
7,450	3.9	31.1	21.2	15.6		1,017	49.9	26.4	38.8
	6.8								
	17.2				11,153	1,536	10.6	5.2	6.5
10,690					8,439	2,196	21.6		17.7
8,279			42.8	27.1	4,024	1,909	18.8	10.3	41.1
22,029	0.3	28.4	31.9	18.6	1,230	4,606	255.2	102.6	25.0
4,161	2.1				2,402		88.3	27.4	26.0
3,839	2.0								
106	0.4	22.0			718	168	216.9	44.3	81.1
6,676				14.7		1,414	36.1	15.1	25.8
16,454	1.8	29.0			4,481	2,841	58.1	32.2	89.6
					2,838		80.2	37.3	10.0
					6,912		21.5		22.0
11,756	1.0	25.4			2,564		72.0	59.5	53.4
3,802			35.0	16.8		1,140	42.1	27.8	23.3
30,161	0.5	35.0	42.7	17.5		4,867	92.2	51.8	51.6
		16.0							
12,336			36.2	18.6		2,825	61.2	31.2	75.6
130									
9,887	5.1	25.6	47.5	16.8	4,269	2,091	28.0	16.7	8.3
12,443	3.1		37.7	17.0	2,907	2,497	40.1	20.3	24.8
		46.7			11,250	139	13.9	5.9	12.2
	11.7		22.8	19.1	9,864	514	15.0	7.6	81.6
18,641	3.2	25.7	27.7	16.7	2,521	4,827	53.5	27.8	46.9
8,607	2.7		37.1	15.4		2,856	100.4	41.1	22.5
	1.0				1,912		125.5	62.8	17.3
12,324	0.6	28.6	38.5	17.8	2,611	2,659	104.6	63.6	70.8
	5.2		43.4	25.2		2,482	24.1	12.9	13.5
6,572	3.8	21.7			4,393		106.8	55.4	14.0
			37.9	21.0	8,993	1,155	10.0	4.6	37.4
14,120	0.6		33.5	15.2		3,772	205.7	94.1	47.8
7,278	2.4		21.9	18.1		1,118	34.1	16.9	77.0
4,050	0.3	26.5	44.3	14.0	3,188	1,648			
	4.5	32.7	45.1	13.5	3,516	5,684			
4,418			26.0	17.1	4,425	1,221	61.6		29.3
4,944			37.7	19.9	6,270	1,222	26.8	13.9	31.1
13,523	1.6	25.0	30.8	17.3	2,725	1,733	75.0	41.6	55.8
12,456	1.1						53.7	41.9	61.6
12,195	5.2		48.9	17.8	6,457	2,189	37.2	20.0	23.0