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Canadian Vehicle Survey: Quarterly

Third quarter 2005





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Statistics Canada Transportation Division

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Note of appreciation

Canada owes the success of its statistical system to a long standing partnership between Statistics Canada, the citizens of Canada, its businesses, governments and other institutions. Accurate and timely statistical information could not be produced without their continued cooperation and goodwill.

User information

Symbols

The following standard symbols are used in Statistics Canada publications:

- . not available for any reference period
- .. not available for a specific reference period
- ... not applicable
- 0 true zero or a value rounded to zero
- 0s value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded
- p preliminary
- r revised
- x suppressed to meet the confidentiality requirements of the Statistics Act
- E use with caution
- F too unreliable to be published

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Transportation Division, Canadian Vehicle Survey Unit

Wendy Christoff, Mike Fahey, Sean Fagan

Transportation Division, Systems & Data Integration Section

Kevin Ringuette, Real Dery

Business Surveys Methods Division

François Gagnon, Jennifer Taylor, Sébastien Landry, Martin Beaulieu

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Highlights

- Over 18.8 million vehicles were in-scope for the Canadian Vehicle Survey during this quarter.
- Between July 1 and September 30, 2005, these vehicles travelled an estimated 88.6 billion kilometres.
- During this quarter, vehicles weighing less than 4 500 kilograms were driven an average of 4 460 kilometres while the largest of the trucks (trucks with gross weight 15 000 kilograms or more) were driven an average of 17 680 kilometres.

Introduction

Road vehicles dominate passenger travel and freight traffic. However, prior to the Canadian Vehicle Survey (CVS), no measures of total vehicle-kilometres or passenger-kilometres were available. The CVS was developed at the request of Transport Canada to fill this data gap. The survey provides quarterly and annual estimates of the amount of road travel, broken down by types of vehicles and characteristics, such as age and sex of driver, time of day and season. The results are the prime source of road vehicle use information for researchers and interested members of the public.

Prior to 2004, the survey was sponsored by Transport Canada. Since then, the survey has been co-sponsored by Transport Canada and Natural Resources Canada. They plan to combine the survey data with other data to improve road safety, monitor fuel consumption and deal with the impact of vehicle usage on the environment.

This document describes concepts, employed methods and discusses data quality. The reference period for all the information presented in this document is the third quarter of 2005.

Survey overview

The CVS is a voluntary vehicle-based survey that provides quarterly and annual estimates of road vehicle activity (vehicle-kilometres and passenger-kilometres) of vehicles registered in Canada. A quarterly sample of vehicles is drawn from vehicle registration lists provided by the provincial and territorial governments.

The provincial component of the survey consists of two steps. The first step is a computer assisted telephone interview (CATI) with the registered owners of the sampled vehicles. This interview is used to collect some general information on the usage of the vehicle as well as to ask the respondent to complete a trip log specific to his/her vehicle type. The trip log is then mailed out as a second step. If respondents cannot be contacted by phone, the trip log is mailed out with a short questionnaire to collect some of the information normally collected during the CATI.

The territorial component of the survey consists of two short questionnaires. One is mailed to the respondents at the beginning of the quarter and the other is mailed at the end of the quarter. The first questionnaire asks respondents to record the odometer reading at the beginning of the first day of the quarter. All those returning the first questionnaire are mailed a second questionnaire asking them to record the odometer reading at the beginning of the first day of the next quarter. These two odometer readings allow the calculation of the distance the vehicle was driven during the quarter.

Survey collection began on February 1, 1999. Only eight provincial / territorial vehicle registration lists were received in time to be included in the sample at that time, but over the remainder of 1999, the other lists were received. Starting October 1, 1999, vehicles from all provinces and territories were included in the survey.

Users who require additional information from Statistics Canada can obtain it from the Transportation Division upon request by phoning 1 866 500-8400 or e-mailing *transportationstatistics@statcan.ca*.

Related products

Selected publications from Statistics Canada

53-223-X	Canadian Vehicle Survey: Annual
53F0007X	Driving characteristics of the young and aging population

Selected CANSIM tables from Statistics Canada

405-0005	Canadian vehicle survey, number of vehicles in frame, by type of vehicle, province and territory
405-0006	Canadian vehicle survey, number of vehicles in scope, by type of vehicle, province and territory
405-0007	Canadian vehicle survey, passenger-kilometres, by type of vehicle and province
405-0008	Canadian vehicle survey, vehicle-kilometres, by type of vehicle, province and territory
405-0009	Canadian vehicle survey, number of vehicles in scope, by type of vehicle and type of fuel
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405-0019	Canadian vehicle survey, passenger-kilometres, by type of vehicle and driver age group
405-0020	Canadian vehicle survey, vehicle-kilometres, by type of vehicle and driver age group
405-0026	Canadian vehicle survey, passenger-kilometres, by type of vehicle and sex of driver
405-0027	Canadian vehicle survey, vehicle-kilometres, by type of vehicle and sex of driver
405-0028	Canadian vehicle survey, passenger-kilometres, by type of vehicle and time of day

405-0029	Canadian vehicle survey, vehicle-kilometres, by type of vehicle and time of day
405-0030	Canadian vehicle survey, passenger-kilometres, by type of vehicle and carrying dangerous goods
405-0031	Canadian vehicle survey, vehicle-kilometres, by type of vehicle and carrying dangerous goods
405-0032	Canadian vehicle survey, passenger-kilometres, by type of vehicle and type of day
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405-0045	Canadian vehicle survey, number of trucks 4.5 tonnes to 14.9 tonnes, by year of vehicle model, province and territory
405-0046	Canadian vehicle survey, number of trucks 15 tonnes and over, by year of vehicle model, province and territory
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405-0054	Canadian vehicle survey, passenger-kilometres for trucks over 4.5 tonnes, by vehicle group, type of vehicle and purpose of trip (specific to vehicle type)
405-0099	Canadian vehicle survey, number of vehicles in scope, by type of vehicle and age of vehicle model
405-0101	Canadian vehicle survey, vehicle-kilometres and passenger-kilometres for vehicles up to 4.5 tonnes, by part of driver's job
405-0102	Canadian vehicle survey, vehicle-kilometres for vehicles up to 4.5 tonnes, by origin and destination of trip
405-0103	Canadian vehicle survey, passenger-kilometres for vehicles up to 4.5 tonnes, by origin and destination of trip
405-0104	Canadian vehicle survey, vehicle-kilometres, by type of vehicle, type of fuel and type of vehicle body

405-0105	Canadian vehicle survey, fuel consumed, by type of vehicle, type of fuel and type of vehicle body
405-0106	Canadian vehicle survey, number of vehicles in scope, by type of vehicle and type of activity
405-0107	Canadian vehicle survey, vehicle-kilometres and passenger-kilometres for trucks 4.5 tonnes to 14.9 tonnes, by type of activity
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Selected surveys from Statistics Canada

2749	Canadian Vehicle Survey

Statistical tables

Table 1 Number of vehicles on the registration lists by type of vehicle and jurisdiction

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
Total - Canada	19,008,415	18,264,081	429,097	315,237
Newfoundland and Labrador	260.453	252.708	4,105	3,640
Prince Edward Island	81,487	77.025	1,658	2,804
Nova Scotia	551,743	534.225	9,373	8,145
New Brunswick	471.032	457.647	8.242	5,143
Quebec	4,338,750	4,235,964	62,072	40,714
Ontario	7,055,159	6.844.295	92,708	118,156
Manitoba	662.177	635,435	10.694	16,048
Saskatchewan	746.842	675.746	43,494	27,602
Alberta	2,435,786	2,251,641	108.414	75,731
British Columbia	2,350,207	2.249.770	85.630	14,807
/ukon Territory	28,213	25.238	1.739	1,236
Vorthwest Territories	22,940	21.145	736	1,059
Nunavut	3,626	3,242	232	152

Table 2-1 Number of vehicles on the registration lists by jurisdiction and vehicle model year — Vehicles up to 4.5 tonnes

	Newfoundland and Labrador	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba
Total, all vehicle model years	252,705	77,023	534,226	457,645	4,235,964	6,844,296	635,437
Earlier than 1987	5,187	3,466	20,654	16,532	113,168	240,994	46,342
1987	1,586	1,035	5,155	4,746	38,436	58,579	10,048
1988	3,431	1,663	8,304	7,999	64,239	95,355	13,889
1989	4.049	2,053	10.073	9.710	77,878	127.946	16.000
1990	4,483	2,053	12,614	11,853	103,851	161,871	20,043
1991	5,673	2,722	14,676	14,315	132,049	194,832	23,561
1992	7,557	3,815	19,580	19,160	176,897	247,175	27,604
1993	10,075	4,164	22,050	19,872	180,212	271,262	26,434
1994	12,481	4,723	25,796	22,858	189,753	300,232	27,944
1995	13,395	5,129	28,367	25,131	211,221	349,974	31,532
1996	10,953	4,461	25,304	21,792	176,965	305,617	28,741
1997	15,132	5,519	32,642	27,222	225,679	409,129	38,686
1998	17,728	5,768	36,634	30,848	249,553	453,292	41,090
1999	17,679	5,335	34,802	28,915	248,029	446,582	36,341
2000	20,826	6,268	42,054	35,580	309,449	547,725	42,019
2001	18,334	4,461	34.772	29.167	288,265	488,535	39.098
2002	23,080	4,522	42,264	34,663	359,328	555,222	44,808
2003	24,768	4,024	42,532	35,666	399,317	595,333	46,713
2004	20,645	2,969	37,358	31,569	349,713	496,368	41,087
		2,354					
2005	15,451		36,586	28,768	327,119	468,578	32,231
2006	169	95	2,009	1,276	14,350	29,695	1,227
Year unknown	23	0	0	3	493	0	0
	Saskat- chewan	Alberta	British Columbia	Yukon	Northwest Territories	Nunavut	Total
	chewan		Columbia	Territory	Territories		
Total, all vehicle model years	chewan 675,747	2,251,640	2,249,765	Territory 25,237	Territories 21,145	3,243	18,264,073
Earlier than 1987	chewan 675,747 93,757	2,251,640 199,234	2,249,765 209,245	25,237 3,616	21,145 1,766	3,243 184	18,264,073 954,145
Earlier than 1987 1987	chewan 675,747 93,757 14,303	2,251,640 199,234 35,923	2,249,765	25,237 3,616 730	21,145 1,766 316	3,243	18,264,073 954,145 222,513
Earlier than 1987	chewan 675,747 93,757	2,251,640 199,234	2,249,765 209,245	25,237 3,616	21,145 1,766	3,243 184	18,264,073 954,145
Earlier than 1987 1987	675,747 93,757 14,303 19,055 21,022	2,251,640 199,234 35,923	2,249,765 209,245 51,609	25,237 3,616 730	21,145 1,766 316 508 583	3,243 184 47	18,264,073 954,145 222,513 335,248 414,186
Earlier than 1987 1987 1988	675,747 93,757 14,303 19,055 21,022 24,056	2,251,640 199,234 35,923 52,496 62,744 75,144	2,249,765 209,245 51,609 67,248	25,237 3,616 730 981	21,145 1,766 316 508 583 622	3,243 184 47 80	18,264,073 954,145 222,513 335,248 414,186 516,254
Earlier than 1987 1987 1988 1989	675,747 93,757 14,303 19,055 21,022 24,056	2,251,640 199,234 35,923 52,496 62,744 75,144	2,249,765 209,245 51,609 67,248 80,986 98,023	25,237 3,616 730 981 1,067 1,131	21,145 1,766 316 508 583 622	3,243 184 47 80 75 86	18,264,073 954,145 222,513 335,248 414,186 516,254
Earlier than 1987 1987 1988 1989 1990	chewan 675,747 93,757 14,303 19,055 21,022 24,056 26,625	2,251,640 199,234 35,923 52,496 62,744 75,144 82,945	2,249,765 209,245 51,609 67,248 80,986 98,023 101,665	25,237 3,616 730 981 1,067 1,131 1,091	21,145 1,766 316 508 583 622 670	3,243 184 47 80 75 86 113	18,264,073 954,145 222,513 335,248 414,186 516,254 600,937
Earlier than 1987 1987 1988 1989 1990 1991	chewan 675,747 93,757 14,303 19,055 21,022 24,056 26,625 28,851	2,251,640 199,234 35,923 52,496 62,744 75,144 82,945 86,645	2,249,765 209,245 51,609 67,248 80,986 98,023 101,665 108,840	25,237 3,616 730 981 1,067 1,131 1,091 1,092	21,145 1,766 316 508 583 622 670 663	3,243 184 47 80 75 86 113	18,264,073 954,145 222,513 335,248 414,186 516,254 600,937 728,013
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993	chewan 675,747 93,757 14,303 19,055 21,022 24,056 26,625 28,851 27,333	2,251,640 199,234 35,923 52,496 62,744 75,144 82,945 86,645 83,366	2,249,765 209,245 51,609 67,248 80,986 98,023 101,665 108,840 103,675	25,237 3,616 730 981 1,067 1,131 1,091 1,092 1,059	21,145 1,766 316 508 583 622 670 663 639	3,243 184 47 80 75 86 113 134 145	18,264,073 954,145 222,513 335,248 414,186 516,254 600,937 728,013 750,286
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994	chewan 675,747 93,757 14,303 19,055 21,022 24,056 26,625 28,851 27,333 30,295	2,251,640 199,234 35,923 52,496 62,744 75,144 82,945 86,645 83,366 90,963	2,249,765 209,245 51,609 67,248 80,986 98,023 101,665 108,840 103,675 102,196	25,237 3,616 730 981 1,067 1,131 1,091 1,092 1,059 1,090	21,145 1,766 316 508 583 622 670 663 639 745	3,243 184 47 80 75 86 113 134 145	18,264,073 954,145 222,513 335,248 414,186 516,254 600,937 728,013 750,286 809,233
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994	chewan 675,747 93,757 14,303 19,055 21,022 24,056 26,625 28,851 27,333 30,295 32,791	2,251,640 199,234 35,923 52,496 62,744 75,144 82,945 86,645 83,366 90,963 98,565	2,249,765 209,245 51,609 67,248 80,986 98,023 101,665 108,840 103,675 102,196 107,267	25,237 3,616 730 981 1,067 1,131 1,091 1,092 1,059 1,090 1,163	21,145 1,766 316 508 583 622 670 663 639 745 786	3,243 184 47 80 75 86 113 134 145 157	18,264,073 954,145 222,513 335,248 414,186 516,254 600,937 728,013 750,286 809,233 905,499
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996	chewan 675,747 93,757 14,303 19,055 21,022 24,056 26,625 28,851 27,333 30,295 32,791 27,843	2,251,640 199,234 35,923 52,496 62,744 75,144 82,945 86,645 83,366 90,963 98,565 85,483	2,249,765 209,245 51,609 67,248 80,986 98,023 101,665 108,840 103,675 102,196 107,267 87,190	25,237 3,616 730 981 1,067 1,131 1,091 1,092 1,059 1,090 1,163 918	21,145 1,766 316 508 583 622 670 663 639 745 786 652	3,243 184 47 80 75 86 113 134 145 157 178	18,264,073 954,145 222,513 335,248 414,186 516,254 600,937 728,013 750,286 809,233 905,499 776,062
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996	chewan 675,747 93,757 14,303 19,055 21,022 24,056 26,625 28,851 27,333 30,295 32,791 27,843 37,277	2,251,640 199,234 35,923 52,496 62,744 75,144 82,945 86,645 83,366 90,963 98,565 85,483 117,640	2,249,765 209,245 51,609 67,248 80,986 98,023 101,665 108,840 103,675 102,196 107,267 87,190 114,233	25,237 3,616 730 981 1,067 1,131 1,091 1,092 1,059 1,090 1,163 918 1,262	21,145 1,766 316 508 583 622 670 663 639 745 786 652 961	3,243 184 47 80 75 86 113 134 145 157 178 143 208	18,264,073 954,145 222,513 335,248 414,186 516,254 600,937 728,013 750,286 809,233 905,499 776,062 1,025,590
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997	chewan 675,747 93,757 14,303 19,055 21,022 24,056 26,625 28,851 27,333 30,295 32,791 27,843 37,277 38,209	2,251,640 199,234 35,923 52,496 62,744 75,144 82,945 86,645 83,366 90,963 98,565 85,483 117,640 133,192	2,249,765 209,245 51,609 67,248 80,986 98,023 101,665 108,840 103,675 102,196 107,267 87,190 114,233 114,986	25,237 3,616 730 981 1,067 1,131 1,091 1,092 1,059 1,090 1,163 918 1,262 1,166	21,145 1,766 316 508 583 622 670 663 639 745 786 652 961	3,243 184 47 80 75 86 113 134 145 157 178 143 208 205	18,264,073 954,145 222,513 335,248 414,186 516,254 600,937 728,013 750,286 809,233 905,499 776,062 1,025,590 1,123,721
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998	chewan 675,747 93,757 14,303 19,055 21,022 24,056 26,625 28,851 27,333 30,295 32,791 27,843 37,277 38,209 31,853	2,251,640 199,234 35,923 52,496 62,744 75,144 82,945 86,645 83,366 90,963 98,565 85,483 117,640 133,192 114,736	2,249,765 209,245 51,609 67,248 80,986 98,023 101,665 108,840 103,675 102,196 107,267 87,190 114,233 114,986 104,075	25,237 3,616 730 981 1,067 1,131 1,091 1,092 1,059 1,090 1,163 918 1,262 1,166 1,048	21,145 1,766 316 508 583 622 670 663 639 745 786 652 961 1,050 1,109	3,243 184 47 80 75 86 113 134 145 157 178 143 208 205 216	18,264,073 954,145 222,513 335,248 414,186 516,254 600,937 728,013 750,286 809,233 905,499 776,062 1,025,590 1,123,721 1,070,720
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000	chewan 675,747 93,757 14,303 19,055 21,022 24,056 26,625 28,851 27,333 30,295 32,791 27,843 37,277 38,209 31,853 37,638	2,251,640 199,234 35,923 52,496 62,744 75,144 82,945 86,645 83,366 90,963 98,565 85,483 117,640 133,192 114,736 132,443	2,249,765 209,245 51,609 67,248 80,986 98,023 101,665 108,840 103,675 102,196 107,267 87,190 114,233 114,986 104,075 122,669	25,237 3,616 730 981 1,067 1,131 1,091 1,092 1,059 1,090 1,163 918 1,262 1,166 1,048 1,103	21,145 1,766 316 508 583 622 670 663 639 745 786 652 961 1,050 1,109	3,243 184 47 80 75 86 113 134 145 157 178 143 208 205 216 235	18,264,073 954,145 222,513 335,248 414,186 516,254 600,937 728,013 750,286 809,233 905,499 776,062 1,025,590 1,123,721 1,070,720 1,299,344
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001	chewan 675,747 93,757 14,303 19,055 21,022 24,056 26,625 28,851 27,333 30,295 32,791 27,843 37,277 38,209 31,853 37,638 36,992	2,251,640 199,234 35,923 52,496 62,744 75,144 82,945 86,645 83,366 90,963 98,565 85,483 117,640 133,192 114,736 132,443 138,498	2,249,765 209,245 51,609 67,248 80,986 98,023 101,665 108,840 103,675 102,196 107,267 87,190 114,233 114,986 104,075 122,669 120,132	25,237 3,616 730 981 1,067 1,131 1,091 1,092 1,059 1,090 1,163 918 1,262 1,166 1,048 1,103 1,216	21,145 1,766 316 508 583 622 670 663 639 745 786 652 961 1,050 1,109 1,335 1,521	3,243 184 47 80 75 86 113 134 145 157 178 143 208 205 216 235 254	18,264,073 954,145 222,513 335,248 414,186 516,254 600,937 728,013 750,286 809,233 905,499 776,062 1,025,590 1,123,721 1,070,720 1,299,344 1,201,245
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002	chewan 675,747 93,757 14,303 19,055 21,022 24,056 26,625 28,851 27,333 30,295 32,791 27,843 37,277 38,209 31,853 37,638 36,992 40,441	2,251,640 199,234 35,923 52,496 62,744 75,144 82,945 86,645 83,366 90,963 98,565 85,483 117,640 133,192 114,736 132,443 138,498 162,441	2,249,765 209,245 51,609 67,248 80,986 98,023 101,665 108,840 103,675 102,196 107,267 87,190 114,233 114,986 104,075 122,669 120,132 143,709	25,237 3,616 730 981 1,067 1,131 1,091 1,092 1,059 1,090 1,163 918 1,262 1,166 1,048 1,103 1,216 1,382	21,145 1,766 316 508 583 622 670 663 639 745 786 652 961 1,050 1,109 1,335 1,521 1,720	3,243 184 47 80 75 86 113 134 145 157 178 143 208 205 216 235 254 275	18,264,073 954,145 222,513 335,248 414,186 516,254 600,937 728,013 750,286 809,233 905,499 776,062 1,025,590 1,123,721 1,070,720 1,299,344 1,201,245 1,413,855
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2001 2002	chewan 675,747 93,757 14,303 19,055 21,022 24,056 26,625 28,851 27,333 30,295 32,791 27,843 37,277 38,209 31,853 37,638 36,992 40,441 42,040	2,251,640 199,234 35,923 52,496 62,744 75,144 82,945 86,645 83,366 90,963 98,565 85,483 117,640 133,192 114,736 132,443 138,498 162,441 175,160	2,249,765 209,245 51,609 67,248 80,986 98,023 101,665 103,675 102,196 107,267 87,190 114,233 114,986 104,075 122,669 120,132 143,709 148,135	25,237 3,616 730 981 1,067 1,131 1,091 1,092 1,059 1,090 1,163 918 1,262 1,166 1,048 1,103 1,216 1,382 1,618	21,145 1,766 316 508 583 622 670 663 639 745 786 652 961 1,050 1,109 1,335 1,521 1,720 2,280	3,243 184 47 80 75 86 113 134 145 157 178 143 208 205 216 235 254 275 218	18,264,073 954,145 222,513 335,248 414,186 516,254 600,937 728,013 750,286 809,233 905,499 776,062 1,025,590 1,123,721 1,070,720 1,299,344 1,201,245 1,413,855 1,517,804
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004	chewan 675,747 93,757 14,303 19,055 21,022 24,056 26,625 28,851 27,333 30,295 32,791 27,843 37,277 38,209 31,853 37,638 36,992 40,441 42,040 38,427	2,251,640 199,234 35,923 52,496 62,744 75,144 82,945 86,645 83,366 90,963 98,565 85,483 117,640 133,192 114,736 132,443 138,498 162,441 175,160 164,573	2,249,765 209,245 51,609 67,248 80,986 98,023 101,665 108,840 103,675 102,196 107,267 87,190 114,233 114,986 104,075 122,669 120,132 143,709	25,237 3,616 730 981 1,067 1,131 1,091 1,092 1,059 1,090 1,163 918 1,262 1,166 1,048 1,103 1,216 1,382	21,145 1,766 316 508 583 622 670 663 639 745 786 652 961 1,050 1,109 1,335 1,521 1,720 2,280 1,753	3,243 184 47 80 75 86 113 134 145 157 178 143 208 205 216 235 254 275	18,264,073 954,145 222,513 335,248 414,186 516,254 600,937 728,013 750,286 809,233 905,499 776,062 1,025,590 1,123,721 1,070,720 1,299,344 1,201,245 1,413,855 1,517,804 1,318,572
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2001 2002	chewan 675,747 93,757 14,303 19,055 21,022 24,056 26,625 28,851 27,333 30,295 32,791 27,843 37,277 38,209 31,853 37,638 36,992 40,441 42,040	2,251,640 199,234 35,923 52,496 62,744 75,144 82,945 86,645 83,366 90,963 98,565 85,483 117,640 133,192 114,736 132,443 138,498 162,441 175,160	2,249,765 209,245 51,609 67,248 80,986 98,023 101,665 103,675 102,196 107,267 87,190 114,233 114,986 104,075 122,669 120,132 143,709 148,135	25,237 3,616 730 981 1,067 1,131 1,091 1,092 1,059 1,090 1,163 918 1,262 1,166 1,048 1,103 1,216 1,382 1,618	21,145 1,766 316 508 583 622 670 663 639 745 786 652 961 1,050 1,109 1,335 1,521 1,720 2,280	3,243 184 47 80 75 86 113 134 145 157 178 143 208 205 216 235 254 275 218	18,264,073 954,145 222,513 335,248 414,186 516,254 600,937 728,013 750,286 809,233 905,499 776,062 1,025,590 1,123,721 1,070,720 1,299,344 1,201,245 1,413,855 1,517,804
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004	chewan 675,747 93,757 14,303 19,055 21,022 24,056 26,625 28,851 27,333 30,295 32,791 27,843 37,277 38,209 31,853 37,638 36,992 40,441 42,040 38,427	2,251,640 199,234 35,923 52,496 62,744 75,144 82,945 86,645 83,366 90,963 98,565 85,483 117,640 133,192 114,736 132,443 138,498 162,441 175,160 164,573	2,249,765 209,245 51,609 67,248 80,986 98,023 101,665 108,840 103,675 102,196 107,267 87,190 114,233 114,986 104,075 122,669 120,132 143,709 148,135 132,642	25,237 3,616 730 981 1,067 1,131 1,091 1,092 1,059 1,090 1,163 918 1,262 1,166 1,048 1,103 1,216 1,382 1,618 1,315	21,145 1,766 316 508 583 622 670 663 639 745 786 652 961 1,050 1,109 1,335 1,521 1,720 2,280 1,753	3,243 184 47 80 75 86 113 134 145 157 178 143 208 205 216 235 254 275 218 153	18,264,073 954,145 222,513 335,248 414,186 516,254 600,937 728,013 750,286 809,233 905,499 776,062 1,025,590 1,123,721 1,070,720 1,299,344 1,201,245 1,413,855 1,517,804 1,318,572

Table 2-2

Number of vehicles on the registration lists by jurisdiction and vehicle model year — Trucks 4.5 tonnes to 14.9 tonnes

	Newfoundland and Labrador	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba
Total, all vehicle model years	4,103	1,657	9,373	8,241	62,072	92,708	10,693
Earlier than 1987	776	753	2,033	1,054	10,915	6,104	2,751
1987	109	71	311	162	2,389	1,628	286
1988	184	84	334	208	3,112	2,237	344
1989	152	96	343	193	2,632	2,317	321
1990	172	63	353	213	2,660	2,641	436
1991	170	45	267	219	1,771	1,945	402
1992	135	40	259	241	1,710	2,046	345
1993	152	50	282	287	1,973	2,619	393
1994	189	60	304	337	2,524	3,256	407
1995	243	65	511	403	3,245	4,384	567
1996	136	33	310	313	2,119	3,411	372
1997	193	47	413	386	2,241	4,775	477
1998	174	26	421	411	2,818	4,975	406
1999	227	55	559	549	3,869	7,468	533
2000	205	38	481	377	3,255	6,587	398
2001	176	27	399	416	2,527	6,510	436
2002	210	32	386	415	2,358	6,489	371
2003	176	26	489	702	3,062	7,824	437
2004	141	21	461	755	2,871	7,367	408
2005	167	21	399	518	3,135	7,121	528
2006	14	3	59	82	669	1.005	75
Year unknown	2	0	0	0	217	0	,3
							0
Toda dindiowii	-	ŭ					
Teal distribution	Saskat- chewan	Alberta	British Columbia	Yukon Territory	Northwest Territories	Nunavut	Total
	Saskat-				Northwest	Nunavut	Total
Total, all vehicle model years	Saskat- chewan	Alberta	Columbia	Territory	Northwest	Nunavut 230	Total 429,087
	Saskat- chewan		Columbia 85,629	Territory 1,735	Northwest Territories		
Total, all vehicle model years	Saskat- chewan	Alberta 108,415 33,723	85,629 12,371	Territory	Northwest Territories	230	429,087 102,610
Total, all vehicle model years Earlier than 1987	Saskat- chewan 43,495 31,450	Alberta 108,415	Columbia 85,629	1,735 511 35 59	Northwest Territories 736 131 15 22	230 38	429,087
Total, all vehicle model years Earlier than 1987 1987	Saskat- chewan 43,495 31,450 500	Alberta 108,415 33,723 1,883 2,538	85,629 12,371 1,448 2,289	1,735 511 35	Northwest Territories 736 131 15 22	230 38 11	429,087 102,610 8,848 11,919
Total, all vehicle model years Earlier than 1987 1987 1988	Saskat- chewan 43,495 31,450 500 495	Alberta 108,415 33,723 1,883	85,629 12,371 1,448	1,735 511 35 59	Northwest Territories 736 131 15	230 38 11 13	429,087 102,610 8,848 11,919 11,708 12,910
Total, all vehicle model years Earlier than 1987 1987 1988 1988	Saskat- chewan 43,495 31,450 500 495 432	108,415 33,723 1,883 2,538 2,620 2,821 2,175	85,629 12,371 1,448 2,289 2,513 2,868 2,307	1,735 511 35 59 60	Northwest Territories 736 131 15 22 21	230 38 11 13 8	429,087 102,610 8,848 11,919 11,708 12,910 9,888
Total, all vehicle model years Earlier than 1987 1987 1988 1989	Saskat- chewan 43,495 31,450 500 495 432 568	Alberta 108,415 33,723 1,883 2,538 2,620 2,821	85,629 12,371 1,448 2,289 2,513 2,868	1,735 511 35 59 60 62	Northwest Territories 736 131 15 22 21 40	230 38 11 13 8 13	429,087 102,610 8,848 11,919 11,708 12,910 9,888 9,857
Total, all vehicle model years Earlier than 1987 1987 1988 1989 1990	Saskat- chewan 43,495 31,450 500 495 432 568 519	Alberta 108,415 33,723 1,883 2,538 2,620 2,821 2,175 2,180 2,206	85,629 12,371 1,448 2,289 2,513 2,868 2,307	7,735 511 35 59 60 62 36 46 35	Northwest Territories 736 131 15 22 21 40 23 19 16	230 38 11 13 8 13	429,087 102,610 8,848 11,919 11,708 12,910 9,888 9,857 11,355
Total, all vehicle model years Earlier than 1987 1987 1988 1989 1990 1991 1992	Saskat- chewan 43,495 31,450 500 495 432 568 519 475	Alberta 108,415 33,723 1,883 2,538 2,620 2,821 2,175 2,180	85,629 12,371 1,448 2,289 2,513 2,868 2,307 2,354	7,735 511 35 59 60 62 36 46 35 53	Northwest Territories 736 131 15 22 21 40 23 19	230 38 11 13 8 13 9	429,087 102,610 8,848 11,919 11,708 12,910 9,888 9,857 11,355 13,595
Total, all vehicle model years Earlier than 1987 1987 1988 1989 1990 1991 1992 1993	Saskat- chewan 43,495 31,450 500 495 432 568 519 475 529	Alberta 108,415 33,723 1,883 2,538 2,620 2,821 2,175 2,180 2,206	85,629 12,371 1,448 2,289 2,513 2,868 2,307 2,354 2,800	7 Territory 1,735 511 35 59 60 62 36 46 35 53 34	Northwest Territories 736 131 15 22 21 40 23 19 16	230 38 11 13 8 13 9 7 13	429,087 102,610 8,848 11,919 11,708 12,910 9,888 9,857 11,355 13,595 17,364
Total, all vehicle model years Earlier than 1987 1987 1988 1989 1990 1991 1992 1993	Saskat- chewan 43,495 31,450 500 495 432 568 519 475 529 555	Alberta 108,415 33,723 1,883 2,538 2,620 2,821 2,175 2,180 2,206 2,714	85,629 12,371 1,448 2,289 2,513 2,868 2,307 2,354 2,800 3,168	75 Territory 1,735	Northwest Territories 736 131 15 22 21 40 23 19 16 22	230 38 11 13 8 13 9 7 13 6	429,087 102,610 8,848 11,919 11,708 12,910 9,888 9,857 11,355 13,595
Total, all vehicle model years Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995	Saskat- chewan 43,495 31,450 500 495 432 568 519 475 529 555 764	Alberta 108,415 33,723 1,883 2,538 2,620 2,821 2,175 2,180 2,206 2,714 3,401	85,629 12,371 1,448 2,289 2,513 2,868 2,307 2,354 2,800 3,168 3,691	7 Territory 1,735 511 35 59 60 62 36 46 35 53 34	Northwest Territories 736 131 15 22 21 40 23 19 16 22 30	230 38 11 13 8 13 9 7 13 6 26	429,087 102,610 8,848 11,919 11,708 12,910 9,888 9,857 11,355 13,595 17,364
Total, all vehicle model years Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996	Saskat- chewan 43,495 31,450 500 495 432 568 519 475 529 555 764 482	Alberta 108,415 33,723 1,883 2,538 2,620 2,821 2,175 2,180 2,206 2,714 3,401 2,364	85,629 12,371 1,448 2,289 2,513 2,868 2,307 2,354 2,800 3,168 3,691 2,617	75 Territory 1,735	Northwest Territories 736 131 15 22 21 40 23 19 16 22 30 18	230 38 11 13 8 13 9 7 13 6 26 5	429,087 102,610 8,848 11,919 11,708 12,910 9,888 9,857 11,355 13,595 17,364 12,215
Total, all vehicle model years Earlier than 1987 1987 1988 1989 1990 1990 1991 1992 1993 1994 1995 1996	Saskat- chewan 43,495 31,450 500 495 432 568 519 475 529 555 764 482 678	Alberta 108,415 33,723 1,883 2,538 2,620 2,821 2,175 2,180 2,206 2,714 3,401 2,364 3,872	85,629 12,371 1,448 2,289 2,513 2,868 2,307 2,354 2,800 3,168 3,691 2,617 3,472 3,027	75 Territory 1,735 511 35 59 60 62 36 46 35 53 34 35 65	Northwest Territories 736 131 15 22 21 40 23 19 16 22 30 18 30	230 38 11 13 8 13 9 7 13 6 26 5	429,087 102,610 8,848 11,919 11,708 12,910 9,888 9,857 11,355 13,595 17,364 12,215 16,658 16,659
Total, all vehicle model years Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997	Saskat- chewan 43,495 31,450 500 495 432 568 519 475 529 555 764 482 678 665	Alberta 108,415 33,723 1,883 2,538 2,620 2,821 2,175 2,180 2,206 2,714 3,401 2,364 3,872 3,663	85,629 12,371 1,448 2,289 2,513 2,868 2,307 2,354 2,800 3,168 3,691 2,617 3,472	Territory 1,735 511 35 59 60 62 36 46 35 53 34 35 65 39	Northwest Territories 736 131 15 22 21 40 23 19 16 22 30 18 30 25	230 38 11 13 8 13 9 7 13 6 26 5 9	429,087 102,610 8,848 11,919 11,708 12,910 9,888 9,857 11,355 13,595 17,364 12,215 16,658
Total, all vehicle model years Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998	Saskat- chewan 43,495 31,450 500 495 432 568 519 475 529 555 764 482 678 665 673	Alberta 108,415 33,723 1,883 2,538 2,620 2,821 2,175 2,180 2,206 2,714 3,401 2,364 3,872 3,663 4,609	85,629 12,371 1,448 2,289 2,513 2,868 2,307 2,354 2,800 3,168 3,691 2,617 3,472 3,027 3,876 3,670	Territory 1,735 511 35 59 60 62 36 46 35 53 34 35 65 39 71	Northwest Territories 736 131 15 22 21 40 23 19 16 22 30 18 30 25 40	230 38 11 13 8 13 9 7 13 6 26 5 9	429,087 102,610 8,848 11,919 11,708 12,910 9,887 11,355 13,595 17,364 12,215 16,658 16,659 22,543
Total, all vehicle model years Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000	Saskat- chewan 43,495 31,450 500 495 432 568 519 475 529 555 764 482 678 665 673 568	Alberta 108,415 33,723 1,883 2,538 2,620 2,821 2,175 2,180 2,206 2,714 3,401 2,364 3,872 3,663 4,609 4,068 5,877	85,629 12,371 1,448 2,289 2,513 2,868 2,307 2,354 2,800 3,168 3,691 2,617 3,472 3,027 3,876 3,670 4,401	Territory 1,735 511 35 59 60 62 36 46 35 53 34 35 65 39 71 51	Northwest Territories 736 131 15 22 21 40 23 19 16 22 30 18 30 25 40 37	230 38 11 13 8 13 9 7 13 6 26 5 9 9	429,087 102,610 8,848 11,919 11,708 12,910 9,888 9,887 11,355 13,595 17,364 12,215 16,658 16,659 22,543 19,745 21,686
Total, all vehicle model years Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000	Saskat- chewan 43,495 31,450 500 495 432 568 519 475 529 555 764 482 678 665 673 568 815	Alberta 108,415 33,723 1,883 2,538 2,620 2,821 2,175 2,180 2,206 2,714 3,401 2,364 3,872 3,663 4,609 4,068 5,877 5,071	85,629 12,371 1,448 2,289 2,513 2,868 2,307 2,354 2,800 3,168 3,691 2,617 3,472 3,027 3,876 3,670 4,401 4,674	751 1 35 59 60 62 36 46 35 53 34 35 65 39 71 51 63	Northwest Territories 736 131 15 22 21 40 23 19 16 22 30 18 30 25 40 37 33	230 38 11 13 8 13 9 7 13 6 26 5 9 9 14	429,087 102,610 8,848 11,919 11,708 12,910 9,888 9,857 11,355 13,595 17,364 12,215 16,658 16,659 22,543 19,745 21,686 20,787
Total, all vehicle model years Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2001 2002	Saskat- chewan 43,495 31,450 500 495 432 568 519 475 529 555 764 482 678 665 673 568 815 671 829	Alberta 108,415 33,723 1,883 2,538 2,620 2,821 2,175 2,180 2,206 2,714 3,401 2,364 3,872 3,663 4,609 4,068 5,877 5,071 6,224	85,629 12,371 1,448 2,289 2,513 2,868 2,307 2,354 2,800 3,168 3,691 2,617 3,472 3,027 3,876 3,670 4,401 4,674 7,815	Territory 1,735 511 35 59 60 62 36 46 35 53 34 35 65 39 71 51 63 67 142	Northwest Territories 736 131 15 22 21 40 23 19 16 22 30 18 30 25 40 37 33 37	230 38 11 13 8 13 9 7 13 6 26 5 9 9 14 10 6	429,087 102,610 8,848 11,919 11,708 12,910 9,887 11,355 17,364 12,215 16,659 16,659 22,543 19,745 21,686 20,787 27,770
Total, all vehicle model years Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2001 2002 2003	Saskat- chewan 43,495 31,450 500 495 432 568 519 475 529 555 764 482 678 665 673 568 815 671 829 699	Alberta 108,415 33,723 1,883 2,538 2,620 2,821 2,175 2,180 2,206 2,714 3,401 2,364 3,872 3,663 4,609 4,068 5,877 5,071 6,224 5,379	85,629 12,371 1,448 2,289 2,513 2,868 2,307 2,354 2,800 3,168 3,691 2,617 3,472 3,027 3,876 3,670 4,401 4,674 7,815 8,185	Territory 1,735 511 35 59 60 62 36 46 35 53 34 35 65 39 71 51 63 67 142 134	Northwest Territories 736 131 15 22 21 40 23 19 16 22 30 18 30 25 40 37 33 37 34	230 38 11 13 8 13 9 7 13 6 26 5 9 9 14 10 6 6	429,087 102,610 8,848 11,919 11,708 12,910 9,888 9,857 11,355 13,595 17,364 12,215 16,658 16,659 22,543 19,745 21,686 20,787 27,770 26,467
Total, all vehicle model years Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2001 2002	Saskat- chewan 43,495 31,450 500 495 432 568 519 475 529 555 764 482 678 665 673 568 815 671 829	Alberta 108,415 33,723 1,883 2,538 2,620 2,821 2,175 2,180 2,206 2,714 3,401 2,364 3,872 3,663 4,609 4,068 5,877 5,071 6,224	85,629 12,371 1,448 2,289 2,513 2,868 2,307 2,354 2,800 3,168 3,691 2,617 3,472 3,027 3,876 3,670 4,401 4,674 7,815	Territory 1,735 511 35 59 60 62 36 46 35 53 34 35 65 39 71 51 63 67 142	Northwest Territories 736 131 15 22 21 40 23 19 16 22 30 18 30 25 40 37 33 37	230 38 11 13 8 13 9 7 13 6 26 5 9 9 14 10 6	429,087 102,610 8,848 11,919 11,708 12,910 9,887 11,355 17,364 12,215 16,659 16,659 22,543 19,745 21,686 20,787 27,770

Table 2-3 Number of vehicles on the registration lists by jurisdiction and vehicle model year — Trucks 15 tonnes or more

	Newfoundland and Labrador	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba
Total, all vehicle model years	3,641	2,802	8,143	5,140	40,711	118,154	16,047
Earlier than 1987	448	1,089	905	1,015	1,061	6,490	1,700
1987 1988	132 165	217 201	238 249	345 289	440 588	2,544 2.707	344 357
1989	177	150	249 295	269	515	2,707	327
1990	121	144	186	281	482	2,773	298
1991	101	94	115	147	303	1,701	209
1992	87	50	140	121	476	1,727	237
1993	95	66	202	204	672	2,403	419
1994	146	92	325	257	1,319	3,578	621
1995	236	155	451	312	2,085	6,211	774
1996	185	94	360	200	1,542	4,562	694
1997	168	47	316	162	1,639	4,974	674
1998	253	75	545	266	2,983	8,679	1,085
1999	224	84	605	261	3,461	10,469	1,144
2000	277	72	745	221	4,520	12,343	1,369
2001	139	35	379	132	2,889	7,745	832
2002	107	12	281	92	1,871	5,485	567
2003	151	34	478	134	3,652	7,834	986
2004	167	39	563	144	3,279	8,303	1,255
2005	225	39	595	190	5,388	11,345	1,725
2006	36	13	171	97	1,529	3,375	430
Year unknown	1	0	0	0	17	0	0
	Saskat-	Alberta	British	Yukon	Northwest	Nunavut	Total
	chewan						
	chewan		Columbia	Territory	Territories		
Total, all vehicle model years	chewan 27,601	75,731	Columbia	Territory		151	315,218
Total, all vehicle model years Earlier than 1987		75,731 17,252			Territories		315,218 42,495
	27,601		Columbia	Territory 1,235	Territories 1,057	151 17 4	
Earlier than 1987 1987 1988	27,601 9,484 955 1,057	17,252 1,364 1,973	Columbia 14,805 2,632 420 454	1,235 241 18 37	1,057 161 14 18	151 17 4 0	42,495
Earlier than 1987 1987 1988 1989	27,601 9,484 955 1,057 892	17,252 1,364 1,973 1,783	Columbia 14,805 2,632 420 454 459	1,235 241 18 37 23	1,057 161 14 18 22	151 17 4 0 5	42,495 7,035 8,095 7,822
Earlier than 1987 1987 1988 1989 1990	27,601 9,484 955 1,057 892 894	17,252 1,364 1,973 1,783 2,003	14,805 2,632 420 454 459 728	1,235 241 18 37 23 35	1,057 161 14 18 22 30	151 17 4 0 5	42,495 7,035 8,095 7,822 7,977
Earlier than 1987 1987 1988 1989 1990	27,601 9,484 955 1,057 892 894 583	17,252 1,364 1,973 1,783 2,003 1,483	14,805 2,632 420 454 459 728 425	1,235 241 18 37 23 35 20	1,057 161 14 18 22 30 23	151 17 4 0 5 2 7	42,495 7,035 8,095 7,822 7,977 5,211
Earlier than 1987 1987 1988 1989 1990 1991	27,601 9,484 955 1,057 892 894 583 593	17,252 1,364 1,973 1,783 2,003 1,483 1,241	14,805 2,632 420 454 459 728 425 554	1,235 241 18 37 23 35 20 37	1,057 161 14 18 22 30 23 19	151 17 4 0 5 2 7 5	42,495 7,035 8,095 7,822 7,977 5,211 5,287
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993	27,601 9,484 955 1,057 892 894 583 593 887	17,252 1,364 1,973 1,783 2,003 1,483 1,241 1,761	14,805 2,632 420 454 459 728 425 554 528	1,235 241 18 37 23 35 20 37 33	1,057 161 14 18 22 30 23 19 23	151 17 4 0 5 2 7 5 5	42,495 7,035 8,095 7,822 7,977 5,211 5,287 7,298
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994	27,601 9,484 955 1,057 892 894 583 593 887 1,168	17,252 1,364 1,973 1,783 2,003 1,483 1,241 1,761 2,719	14,805 2,632 420 454 459 728 425 554 528 655	1,235 241 18 37 23 35 20 37 33 36	1,057 161 14 18 22 30 23 19 23 33	151 17 4 0 5 2 7 5 5 6	42,495 7,035 8,095 7,822 7,977 5,211 5,287 7,298 10,955
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995	27,601 9,484 955 1,057 892 894 583 593 887 1,168 1,613	17,252 1,364 1,973 1,783 2,003 1,483 1,241 1,761 2,719 3,500	14,805 2,632 420 454 459 728 425 554 528 655 726	Territory 1,235 241 18 37 23 35 20 37 33 36 48	1,057 161 14 18 22 30 23 19 23 33 58	151 17 4 0 5 2 7 5 5 6	42,495 7,035 8,095 7,822 7,977 5,211 5,287 7,298 10,955 16,178
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995	27,601 9,484 955 1,057 892 894 583 593 887 1,168 1,613 1,149	17,252 1,364 1,973 1,783 2,003 1,483 1,241 1,761 2,719 3,500 2,803	14,805 2,632 420 454 459 728 425 554 528 655 726 662	7 1,235 241 18 37 23 35 20 37 33 36 48 53	1,057 161 14 18 22 30 23 19 23 33 58 57	151 17 4 0 5 2 7 5 5 6 9	42,495 7,035 8,095 7,822 7,977 5,211 5,287 7,298 10,955 16,178 12,372
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997	27,601 9,484 955 1,057 892 894 583 593 887 1,168 1,613 1,149 1,107	17,252 1,364 1,973 1,783 2,003 1,483 1,241 1,761 2,719 3,500 2,803 3,349	14,805 2,632 420 454 459 728 425 554 528 655 726 662 694	7 Territory 1,235 241 18 37 23 35 20 37 33 36 48 53 55	1,057 161 14 18 22 30 23 19 23 33 58 57 54	151 17 4 0 5 2 7 5 5 6 9	42,495 7,035 8,095 7,822 7,977 5,211 5,287 7,298 10,955 16,178 12,372 13,243
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998	27,601 9,484 955 1,057 892 894 583 593 887 1,168 1,613 1,149 1,107 1,476	17,252 1,364 1,973 1,783 2,003 1,483 1,241 1,761 2,719 3,500 2,803 3,349 4,802	14,805 2,632 420 454 459 728 425 554 528 655 726 662 694 728	7 1,235 241 18 37 23 35 20 37 33 36 48 53 55 61	1,057 161 14 18 22 30 23 19 23 33 58 57 54 74	151 17 4 0 5 2 7 5 6 9 11 4	42,495 7,035 8,095 7,822 7,977 5,211 5,287 7,298 10,955 16,178 12,372 13,243 21,037
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999	27,601 9,484 955 1,057 892 894 583 593 887 1,168 1,613 1,149 1,107 1,476 1,173	17,252 1,364 1,973 1,783 2,003 1,483 1,241 1,761 2,719 3,500 2,803 3,349 4,802 3,856	14,805 2,632 420 454 459 728 425 554 528 655 726 662 694 728 656	Territory 1,235 241 18 37 23 35 20 37 33 36 48 53 55 61 61	1,057 161 14 18 22 30 23 19 23 33 58 57 54 74 64	151 17 4 0 5 2 7 5 5 6 9 11 4 10 20	42,495 7,035 8,095 7,822 7,977 5,211 5,287 7,298 10,955 16,178 12,372 13,243 21,037 22,078
Earlier than 1987 1987 1988 1998 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000	27,601 9,484 955 1,057 892 894 583 593 887 1,168 1,613 1,149 1,107 1,476 1,173 1,086	17,252 1,364 1,973 1,783 2,003 1,483 1,241 1,761 2,719 3,500 2,803 3,349 4,802 3,856 3,923	74,805 2,632 420 454 459 728 425 554 528 655 726 662 694 728 656 559	Territory 1,235 241 18 37 23 35 20 37 33 36 48 53 55 61 61 94	1,057 161 14 18 22 30 23 19 23 33 58 57 54 74 64 71	151 17 4 0 5 2 7 5 5 6 9 11 4 10 20 7	42,495 7,035 8,095 7,822 7,977 5,211 5,287 7,298 10,955 16,178 12,372 13,243 21,037 22,078 25,287
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001	27,601 9,484 955 1,057 892 894 583 593 887 1,168 1,613 1,149 1,107 1,476 1,173 1,086 778	17,252 1,364 1,973 1,783 2,003 1,483 1,241 1,761 2,719 3,500 2,803 3,349 4,802 3,856 3,923 3,723	14,805 2,632 420 454 459 728 425 554 528 655 726 662 694 728 656 559 596	7 1,235 241 18 37 23 35 20 37 33 36 48 53 55 61 61 94 78	1,057 161 14 18 22 30 23 19 23 33 58 57 54 74 64 71 67	151 17 4 0 5 2 7 5 6 9 11 4 10 20 7 8	42,495 7,035 8,095 7,822 7,977 5,211 15,287 7,298 10,955 16,178 12,372 13,243 21,037 22,078 25,287 17,401
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002	27,601 9,484 955 1,057 892 894 583 593 887 1,168 1,613 1,149 1,107 1,476 1,173 1,086 778 430	17,252 1,364 1,973 1,783 2,003 1,483 1,241 1,761 2,719 3,500 2,803 3,349 4,802 3,856 3,923 3,723 2,951	14,805 2,632 420 454 459 728 425 554 528 655 726 662 694 728 656 559 596 522	Territory 1,235 241 18 37 23 35 20 37 33 36 48 53 55 61 61 94 78 49	1,057 161 14 18 22 30 23 19 23 33 58 57 54 74 64 71 67 52	151 17 4 0 5 2 7 5 5 6 9 11 4 10 20 7 8 5	42,495 7,035 8,095 7,822 7,977 5,211 5,287 7,298 10,955 16,178 12,372 13,243 21,037 22,078 25,287 17,401 12,424
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003	27,601 9,484 955 1,057 892 894 583 593 887 1,168 1,613 1,149 1,107 1,476 1,173 1,086 778 430 559	17,252 1,364 1,973 1,783 2,003 1,483 1,241 1,761 2,719 3,500 2,803 3,349 4,802 3,856 3,923 3,723 2,951 3,339	14,805 2,632 420 454 459 728 425 554 528 655 726 662 694 728 656 559 596 522 632	Territory 1,235 241 18 37 23 35 20 37 33 36 48 53 55 61 61 94 78 49 66	1,057 161 14 18 22 30 23 19 23 33 58 57 54 74 64 71 67 52 50	151 17 4 0 5 2 7 5 5 6 9 11 4 10 20 7 8 5 9	42,495 7,035 8,095 7,822 7,977 5,211 5,287 7,298 10,955 16,178 12,372 13,243 21,037 22,078 25,287 17,401 12,424 17,924
Earlier than 1987 1987 1988 1998 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004	27,601 9,484 955 1,057 892 894 583 593 887 1,168 1,613 1,149 1,107 1,476 1,173 1,086 778 430 559 729	17,252 1,364 1,973 1,783 2,003 1,483 1,241 1,761 2,719 3,500 2,803 3,349 4,802 3,856 3,923 3,723 2,951 3,339 4,247	74,805 2,632 420 454 459 728 425 554 528 655 726 662 694 728 656 559 596 522 632 824	Territory 1,235 241 18 37 23 35 20 37 33 36 48 53 55 61 61 94 78 49 66 75	Territories 1,057 161 14 18 22 30 23 19 23 33 58 57 54 74 64 71 67 52 50 72	151 17 4 0 5 2 7 5 5 6 9 11 4 10 20 7 8 5 9	42,495 7,035 8,095 7,822 7,977 5,211 5,287 7,298 10,955 16,178 12,372 13,243 21,037 22,078 25,287 17,401 12,424 17,924 19,707
Earlier than 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003	27,601 9,484 955 1,057 892 894 583 593 887 1,168 1,613 1,149 1,107 1,476 1,173 1,086 778 430 559	17,252 1,364 1,973 1,783 2,003 1,483 1,241 1,761 2,719 3,500 2,803 3,349 4,802 3,856 3,923 3,723 2,951 3,339	14,805 2,632 420 454 459 728 425 554 528 655 726 662 694 728 656 559 596 522 632	Territory 1,235 241 18 37 23 35 20 37 33 36 48 53 55 61 61 94 78 49 66	1,057 161 14 18 22 30 23 19 23 33 58 57 54 74 64 71 67 52 50	151 17 4 0 5 2 7 5 5 6 9 11 4 10 20 7 8 5 9	42,495 7,035 8,095 7,822 7,977 5,211 5,287 7,298 10,955 16,178 12,372 13,243 21,037 22,078 25,287 17,401 12,424 17,924

Table 3-1 Estimates of number of vehicles in scope for Canada by type of vehicle and jurisdiction

	Total,	Vehicles up	Trucks 4.5 tonnes	Trucks 15 tonnes
	all vehicles	to 4.5 tonnes	to 14.9 tonnes	and over
Total - Canada	18,831,275 A	18,154,050 A	365,756 A	311,469 A
Newfoundland and Labrador	262,489 B	255,166 B	4,022 D	3,300 C
Prince Edward Island	83,648 B	79,462 B	1,373 D	2,813 B
Nova Scotia	536,864 A	520,843 A	7,848 ^C	8,173 B
New Brunswick	457,021 A	445,680 A	6,256 ^C	5,084 B
Quebec	4,232,593 A	4,136,343 A	55,573 ^C	40,677 B
Ontario	7,014,485 A	6,822,285 A	76,563 B	115,637 B
Manitoba	658,666 A	633,257 A	9,585 ^C	15,823 B
Saskatchewan	741.336 A	673.467 A	42.820 ^C	25.049 C
Alberta	2.431.420 A	2.265.172 A	89.336 ^C	76.911 B
British Columbia	2.359.349 A	2.274.336 A	69.746 B	15.267 B
Yukon Territory	27.204 A	24.220 A	1.665 A	1.319 A
Northwest Territories	22.640 A	20,601 A	736 A	1,303 A
Nunavut	3,562 A	3,216 A	232 A	F

Table 3-2 Estimates of number of vehicles in scope for Canada by type of vehicle and vehicle model year

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
Total, all vehicle model years	18,831,275 A	18,154,050 A	365,756 A	311,469 A
Later than 2002	3,405,407 A	3,270,013 A	69,870 B	65,524 B
2000 to 2002	4,586,591 A	4,467,740 A	61,766 ^C	57,084 B
1996 to 1999	4,940,857 A	4,770,555 A	80,644 C	89,659 B
1992 to 1995	3,327,014 B	3,239,161 B	42,964 D	44,889 C
Earlier than 1992	2,571,406 B	2,406,581 B	110,512 C	54,313 C

Table 3-3 Estimates of number of vehicles in scope for Canada by type of vehicle and vehicle body type

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
Total, all vehicle body types	18,831,275 A	18,154,050 A	365,756 A	311,469 A
Car	9,951,989 A	9,951,989 A	,	<i>,</i>
Station wagon	269,824 E	269,824 ⊑		
Van	3,033,761 B	3,012,265 B	21,431 ⊑	
Sport utility vehicle	1,406,258 B	1.406.258 B	· .	
Pickup	3,508,739 B	3,460,428 B	48.310 □	F
Straight truck	449.432 B	F	284.423 B	121.970 B
Tractor trailer	190.950 B		F	188,179 B
Bus	F		F	
Other vehicle type	F	F	F	É

Table 3-4 Estimates of number of vehicles in scope for Canada by type of vehicle and type of fuel

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
Total, all fuel types	18,831,275 ^A	18,154,050 ^A	365,756 ^A	311,469 ^A
Gasoline	17,686,214 ^A	17,566,753 ^A	115.139 ^C	
Diesel	1,072,403 ^B	528,128 ^C	238,307 B	305,968 A
Other fuel type	F	F	12,310 E	F

Table 4-1 Estimates of vehicle-kilometres for Canada by type of vehicle and jurisdiction

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
		millions		
Total - Canada	88,583.4 A	81,009.5 A	2,067.2 ^C	5,506.7
Newfoundland and Labrador	1,283.8 D	1,199.3 D	, F	75.7
Prince Edward Island	370.9 □	340.7 □	F	F
Nova Scotia	2,873.3 C	2,694.3 C	40.4 €	138.7
New Brunswick	2,153.8 C	2,069.5 C	42.3 €	F
Quebec	17,002.1 C	15,591.2 ^C	414.9 E	996.0
Ontario	35,093.8 B	32,693.3 B	356.7 ⊑	2,043.9
Manitoba	2,948.9 C	2,554.4 ^C	42.2 E	352.2
Saskatchewan	3,331.6 C	2,886.7 C	F	322.7
Alberta	13,534.9 C	11,757.2 C	503.9 D	1,273.8
British Columbia	9,713.0 C	9,021.6 C	522.0 ⋿	169.3
Yukon Territory	150.4 B	109.1 C	8.3 C	32.9
Northwest Territories	116.6 B	82.1 C	F	32.1
Nunavut	10.4 D	10.0 □	F	F

Table 4-2 Estimates of vehicle-kilometres for Canada by type of vehicle and vehicle model year

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
_		millions		
Total, all vehicle model years	88,583.4 A	81,009.5 A	2,067.2 C	5,506.7 B
Later than 2002	21,529.5 ^C	19,030.2 C	768.3 ⊑	1,731.1 C
2000 to 2002	25,067.2 B	23,248.3 B	435.9 ⋿	1,382.9 C
1996 to 1999	22,565.5 B	20,487.0 C	394.8 €	1,683.8 D
1992 to 1995	11,283.8 C	10,589.2 C	F	461.8 E
Earlier than 1992	8,137.4 D	7,654.7 D	235.5 €	247.2 €

Table 4-3 Estimates of vehicle-kilometres for Canada by type of vehicle and vehicle body type

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
_		millions		
Total, all vehicle body types	88,583.4 A	81,009.5 B	2,067.2 ^C	5,506.7 B
Car	41,610.7 B	41,610.7 B	•	
Station wagon	F	F	•	
Van	15,608.2 ^C	15,478.9 ^C	F	
Sport utility vehicle	5,626.1 D	5,626.1 D		
Pickup	17.303.4 ^C	16.976.5 ^C	327.0 €	F
Straight truck	2.711.7 ^C	F	1.561.6 ^C	857.6 ^C
Tractor trailer	4.692.2 B		F	4.648.9 B
Bus	F	_	F	, , , , , , , , , , , , , , , , , , , ,
Other vehicle type	F	F	F	É

Table 4-4 Estimates of vehicle-kilometres for Canada by type of vehicle and type of fuel

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
		millions		
Total, all fuel types Gasoline Diesel Other fuel type	88,583.4 A 77,555.2 B 10,795.2 B F	81,009.5 A 77,241.1 B 3,585.3 E F	2,067.2 °C 290.4 E 1,729.9 °C F	5,506.7 B F 5,479.9 B F

Table 5-1 Estimates of passenger-kilometres for provinces only by type of vehicle and jurisdiction

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
_		millions		
Total	154,979.3 B	146,236.0 B	2,576.9 ^ℂ	6,166.3 B
Newfoundland and Labrador	2,191.6 ^C	2,092.9 □	. F	
Prince Edward Island	628.8 D	596.0 □	F	F
Nova Scotia	4,638.0 C	4,422.0 C	64.7 ⊑	151.3 E
New Brunswick	4,259.3 C	4,156.4 ^C	48.1 ⊑	F
Quebec	30,533.9 C	28,829.2 C	490.2 €	1,214.5 C
Ontario	62,839.4 C	60,308.0 C	423.1 ⊑	2,108.2 C
Manitoba	4,774.5 ^C	4,201.5 C	67.8 ⊑	505.1 E
Saskatchewan	6,033.8 C	5,506.4 □	F	349.5 €
Alberta	23,300.8 C	21,144.1 C	670.2 D	1,486.4 €
British Columbia	15,779.4 C	14,979.4 C	618.7 E	181.2 E

Table 5-2 Estimates of passenger-kilometres for provinces only by type of vehicle and vehicle model year

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
_		millions		
Total, all vehicle model years Later than 2002 2000 to 2002 1996 to 1999 1992 to 1995 Earlier than 1992	154,979.3 B 39,320.1 ^C 45,164.8 B 38,540.1 B 17,693.4 ^C 14,260.9 D	146,236.0 B 36,336.6 C 43,054.2 C 36,268.6 C 16,879.0 C 13,697.8 D	2,576.9 C 936.1 E 572.7 E 473.8 E 288.4 E 305.9 E	6,166.3 B 2,047.4 C 1,537.9 C 1,797.7 D 526.0 E

Table 5-3 Estimates of passenger-kilometres for provinces only by type of vehicle and vehicle body type

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
_		millions		
Total, all vehicle body types	154,979.3 B	146,236.0 B	2,576.9 ^C	6,166.3 B
Car	68,081.7 B	68,081.7 B		,
Station wagon	F	F	·	·
Van	36,957.9 ^C	36,812.5 ^C	F	·
Sport utility vehicle	10,619.1 D	10,619.1 D	·	
Pickup	29,067.7 ^C	28,644.2 ^C	423.4 E	F
Straight truck	3,272.6 ^C	F	1,943.6 ^C	958.2
Tractor trailer	5,259.0 B		F	5,208.1 B
Bus	F		F	
Other vehicle type	F	F	F	F

Table 5-4 Estimates of passenger-kilometres for provinces only by type of vehicle and type of fuel

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
		millions		
Total, all fuel types Gasoline Diesel Other fuel type	154,979.3 B 139,634.5 B 15,018.9 C F	146,236.0 B 139,219.5 B 6,749.3 E F	2,576.9 ^C 367.9 ^E 2,153.4 ^C F	6,166.3 B F 6,116.3 B F

Table 5-5

Estimates of passenger-kilometres for provinces only by passenger age group for vehicles up to 4.5 tonnes

	Vehicles up to 4.5 tonnes
	millions
Total, all ages Under 5 years 5 to 14 years 15 to 19 years 20 to 24 years 25 to 34 years 35 to 54 years 55 to 64 years 65 to 74 years 75 to 84 years 85 years and over	146,236.0B 6,310.2D 12,828.0D 5,715.2E 4,241.3E 14,798.4D 54,512.1B 27,956.8C 15,210.5C 4,145.9E

Table 6-1 Estimates of vehicle-kilometres and passenger-kilometres for provinces only by type of vehicle and driver age group

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
		millions of vehicle-k	kilometres	
Total, all age groups	88,306.1 B	80,808.3 B	2,056.1 ^C	5,441.7 B
Under 20 years	<u>F</u>	<u>F</u>	<u> </u>	F
20 to 24 years	F	F	F	149.5 E
25 to 34 years	10,882.7 D	9,377.9 E	314.5 E	1,190.3 D
35 to 44 years	18,024.6 ^C 25,435.1 ^C	16,390.1 [□] 22,596.0 [□]	412.6 E 789.3 D	1,221.9 ^C 2,049.8 ^C
45 to 54 years 55 to 64 years	25,435.1 ^C 18.543.6 ^C	22,596.0 C 17.338.2 C	769.3 D 429.8 E	2,049.6 C 775.6 D
65 years and over	11.898.6 ^C	11,801.0 C	429.0 - F	775.05 F
	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
		millions of passenger	r-kilometres	
Total, all age groups	154,979.3 B	146,236.0 B	2,576.9 ^C	6,166.3 B
Under 20 years	<u> </u>	<u> </u>	<u>F</u>	. F
20 to 24 years	F 40 004 4 5	F	F	151.6 E
25 to 34 years	19,224.4 D	17,488.9 E	396.5 E	1,339.0 D
35 to 44 years 45 to 54 years	37,484.6 [□] 40,424.7 [□]	35,480.4 [□] 37,096.0 [□]	515.3 ^E 1.021.6 ^D	1,489.0 ^C 2,307.1 ^C
55 to 64 years	32,168.7 ^C	30,859.2 C	1,021.0 B 484.5 E	825.0 E
65 years and over	20,300.7 °	20,181.0 C	404.5 =	023.0 =

Table 6-2
Estimates of vehicle-kilometres and passenger-kilometres for provinces only by type of vehicle and sex of driver

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over		
		millions of vehicle-l	kilometres			
Both sexes Males Females	88,306.1 B 59,717.7 B 28,588.4 C	80,808.3 B 52,271.5 B 28,536.8 C	2,056.1 ^C 2,026.1 ^C F	5,441.7 B 5,420.0 B F		
	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over		
		millions of passenger-kilometres				
Both sexes Males Females	154,979.3 B 107,272.7 B 47,706.6 C	146,236.0 B 98,601.1 B 47,634.9 C	2,576.9 ^C 2,526.9 ^C F	6,166.3 ^B 6,144.6 ^B F		

Table 6-3 Estimates of vehicle-kilometres and passenger-kilometres for provinces only by driver age group and sex of driver

Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
	millions of vehicle-k	ilometres	
88,306.1 B	80,808.3 B	2,056.1 °	5,441.7 ^B
59,717.7 B	52,271.5 B	2,026.1 °	5,420.0 ^B
28,588.4 C	28,536.8 C	F	F
F	F	F	150.1 ^E
F	F	F	150.1 ^E
F	F	F	F
54,342.4 B	48,364.0 B	1,516.4 ^C	4,462.0 ^B
36,455.5 B	30,523.0 B	1,490.6 ^C	4,441.8 ^B
17,886.9 D	17,841.0 D	F	F
30,442.2 °C	29,139.2 C	473.4 E	829.6 ^D
21,909.9 °C	20,612.6 C	469.2 E	828.1 ^D
8,532.3 E	8,526.6 E	F	F
Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
	millions of passenger	-kilometres	
154,979.3 ^B	146,236.0 ^B	2,576.9 ^C	6,166.3 ^B
107,272.7 ^B	98,601.1 ^B	2,526.9 ^C	6,144.6 ^B
47,706.6 ^C	47,634.9 ^C	F	F
F	F	F	152.2 E
F	F	F	152.2 E
F	F	F	F
97,133.7 ^B	90,065.2 B	1,933.5 ^C	5,135.0 ^B
67,067.4 ^B	60,058.6 C	1,893.9 ^C	5,114.9 ^B
30,066.3 ^D	30,006.6 D	F	F
52,469.4 °C	51,040.2 ^C	550.1 ^E	879.0 E
37,781.0 °C	36,363.9 ^C	539.6 ^E	877.5 E
14,688.3 E	14,676.3 ^E	F	F
	88,306.1 B 59,717.7 B 28,588.4 C F F F F 54,342.4 B 36,455.5 B 17,886.9 D 30,442.2 C 21,909.9 C 8,532.3 E Total, all vehicles 154,979.3 B 107,272.7 B 47,706.6 C F F F F 97,133.7 B 67,067.4 B 30,066.3 D 52,469.4 C 37,781.0 C	### Total, all vehicles ### To	Section Sect

Table 6-4

Estimates of vehicle-kilometres and passenger-kilometres for provinces only by type of vehicle and day of the week

	Total,	Vehicles up	Trucks 4.5 tonnes	Trucks 15 tonnes
	all vehicles	to 4.5 tonnes	to 14.9 tonnes	and over
		millions of vehicle-k	ilometres	
Total, all days of the week	88,306.1 A	80,808.3 B	2,056.1 ^C	5,441.7 ^B
Sunday	11,104.6 B	10,740.3 ^C	F	323.3 ^C
Monday	13,148.1 ^C	11,837.1 ^C	363.3 D	947.8 ^B
Tuesday	12,749.1 ^B	11,419.1 ^B	341.9 ^D	988.0 B
Wednesday	12,326.5 B	11,076.5 ^C	366.8 D	883.2 B
Thursday	12,801.9 B	11,443.4 ^B	406.5 D	952.0 B
Friday	15,726.6 ^C	14,314.6 ^C	344.9 D	1,067.1 ^C
Saturday	10,434.6 ^C	9,966.2 ^C	191.1 ^E	277.3 ^D
	Total,	Vehicles up	Trucks 4.5 tonnes	Trucks 15 tonnes
	all vehicles	to 4.5 tonnes	to 14.9 tonnes	and over
		millions of passenger	-kilometres	
Total, all days of the week	154,979.3 B	146,236.0 B	2,576.9 ℃	6,166.3 B
Sunday	26,206.1 ^C	25,774.3 C	F	372.0 D
Monday	21,849.2 ^C	20,259.1 ^C	452.7 D	1,137.3 ^C
Tuesday	20,062.5 B	18,529.1 ^C	438.1 D	1,095.4 B
Wednesday	17,782.9 ^C	16,374.7 ^C	466.2 D	942.0 B
Thursday	20,655.1 B	19,071.2 B	507.2 D	1,076.7 B
Friday	28,584.2 ^C	26,954.0 ^C	432.2 D	1,198.0 ^C
		19,273.6 C	220.8 E	344.9 D

Table 6-5 Estimates of vehicle-kilometres and passenger-kilometres for provinces only by type of vehicle and type of day

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over	
		millions of vehicle-l	kilometres		
Total, all days Weekends and holidays Weekdays	88,306.1 A 24,980.4 B 63,325.7 B	80,808.3 B 23,781.8 B 57,026.5 B	2,056.1 C 298.2 E 1,757.9 C	5,441.7 B 900.4 D 4,541.3 B	
	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over	
	millions of passenger-kilometres				
Total, all days Weekends and holidays Weekdays	154,979.3 B 51,780.0 B 103,199.3 B	146,236.0 B 50,368.6 B 95,867.4 B	2,576.9 C 357.6 E 2,219.3 C	6,166.3 B 1,053.7 E 5,112.6 B	

Table 6-6
Estimates of vehicle-kilometres and passenger-kilometres for provinces only by type of vehicle and time of day

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
		millions of vehicle-l	kilometres	
Total, all hours 00:00 to 05:59 06:00 to 11:59 12:00 to 17:59 18:00 to 23:59	88,306.1 A 2,995.5 D 29,164.1 B 38,866.2 B 17,280.3 B	80,808.3 B 2,203.5 E 26,328.9 B 36,069.6 B 16,206.3 B	2,056.1 C 104.4 E 947.0 C 872.7 C 132.0 E	5,441.7 B 687.6 C 1,888.2 B 1,924.0 B 941.9 C
	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
		millions of passenge	r-kilometres	
Total, all hours 00:00 to 05:59 06:00 to 11:59 12:00 to 17:59 18:00 to 23:59	154,979.3 B 4,420.5 D 48,311.7 B 70,556.3 B 31,690.8 B	146,236.0 B 3,474.7 E 45,006.3 B 67,307.3 B 30,447.8 B	2,576.9 C 139.2 E 1,187.7 C 1,089.5 C 160.7 E	6,166.3 B 806.6 C 2,117.8 B 2,159.6 B 1,082.3 C

Table 6-7 Estimates of vehicle-kilometres and passenger-kilometres for provinces only by type of vehicle, type of day and time of day

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
		millions of vehicle-k		
Total, all days				
Total, all hours	88,306.1 ^A	80,808.3 B	2,056.1 ^C	5,441.7 B
00:00 to 05:59	2,995.5 D	2,203.5 E	104.4 E	687.6 ^C
06:00 to 11:59	29,164.1 ^B	26,328.9 B	947.0 ^C	1,888.2 B
12:00 to 17:59 18:00 to 23:59	38,866.2 ^B 17,280.3 ^B	36,069.6 ^B 16,206.3 ^B	872.7 ^C 132.0 ^E	1,924.0 ^E 941.9 ^C
	17,200.5	10,200.5 -	132.0 -	341.3
Weekends and holidays				***
Total, all hours	25,036.1 B	23,807.1 ^B F	307.2 [⊑] F	921.7
00:00 to 05:59 06:00 to 11:59	926.8 E 7.726.3 ^C	7.286.5 ^C	F 134.0 E	141.9 E 305.8 E
12:00 to 17:59	7,726.3 ^C 11.484.4 ^C	11.064.4 ^C	134.0 E	305.6 D 305.1 D
18:00 to 17:59	4.843.0 D	4.666.5 D	F	147.6 E
	4,040.0 -	4,000.0 -	,	147.0 -
Weekdays	C2 070 0 P	57 004 4 B	4 740 0 B	4 500 O B
Total, all hours 00:00 to 05:59	63,270.0 ^B 2.068.7 ^D	57,001.1 ^B 1.439.0 ^E	1,748.9 ^B 84.0 ^E	4,520.0 ^B 545.7 ^C
06:00 to 11:59	21.437.8 ^B	1,439.0 ² 19.042.4 ^B	812.9 ^C	1.582.4 B
12:00 to 17:59	27.381.9 ^B	25.005.2 B	757.8 ^C	1,618.9 B
18:00 to 23:59	12,437.3 ^C	11,539.8 ^C	103.1 E	794.3 ^C
	,	,		
	Total,	Vehicles up	Trucks 4.5 tonnes	Trucks 15 tonnes
	all vehicles	to 4.5 tonnes	to 14.9 tonnes	and over
		millions of passenger	-kilometres	
Total, all days				
	154.979.3 ^B	146.236.0 B	2.576.9 ^C	6.166.3 B
Total, all hours 00:00 to 05:59	154,979.3 ^B 4,420.5 ^D	146,236.0 ^B 3,474.7 ^E	2,576.9 ^C 139.2 ^E	
Total, all hours				806.6 ^C 2,117.8 ^E
Total, all hours 00:00 to 05:59 06:00 to 11:59 12:00 to 17:59	4,420.5 ^D 48,311.7 ^B 70,556.3 ^B	3,474.7 E 45,006.3 B 67,307.3 B	139.2 ^E 1,187.7 ^C 1,089.5 ^C	806.6 ^C 2,117.8 ^E 2,159.6 ^E
Total, all hours 00:00 to 05:59 06:00 to 11:59	4,420.5 ^D 48,311.7 ^B	3,474.7 ^E 45,006.3 ^B	139.2 ^E 1,187.7 ^C	806.6 ^C 2,117.8 ^B 2,159.6 ^B
Total, all hours 00:00 to 05:59 06:00 to 11:59 12:00 to 17:59	4,420.5 ^D 48,311.7 ^B 70,556.3 ^B	3,474.7 E 45,006.3 B 67,307.3 B 30,447.8 B	139.2 E 1,187.7 C 1,089.5 C 160.7 E	806.6 ^C 2,117.8 ^B 2,159.6 ^B 1,082.3 ^C
Total, all hours 00:00 to 05:59 06:00 to 11:59 12:00 to 17:59 18:00 to 23:59 Weekends and holidays Total, all hours	4,420.5 D 48,311.7 B 70,556.3 B 31,690.8 B	3,474.7 E 45,006.3 B 67,307.3 B 30,447.8 B	139.2 E 1,187.7 C 1,089.5 C 160.7 E	806.6 C 2,117.8 B 2,159.6 B 1,082.3 C
Total, all hours 00:00 to 05:59 06:00 to 11:59 12:00 to 17:59 18:00 to 23:59 Weekends and holidays Total, all hours 00:00 to 05:59	4,420.5 D 48,311.7 B 70,556.3 B 31,690.8 B 51,780.0 B 1,548.9 E	3,474.7 E 45,006.3 B 67,307.3 B 30,447.8 B 50,368.6 B F	139.2 E 1,187.7 C 1,089.5 C 160.7 E	2,117.8 B 2,119.6 B 1,082.3 C 1,053.7 E 171.3 E
Total, all hours 00:00 to 05:59 06:00 to 11:59 12:00 to 17:59 18:00 to 23:59 Weekends and holidays Total, all hours 00:00 to 05:59 06:00 to 11:59	4,420.5 D 48,311.7 B 70,556.3 B 31,690.8 B 51,780.0 B 1,548.9 E 15,535.1 C	3,474.7 E 45,006.3 B 67,307.3 B 30,447.8 B 50,368.6 B F 15,031.1 C	139.2 E 1,187.7 C 1,089.5 C 160.7 E 357.6 E F 155.4 E	2,117.8 E 2,159.6 E 1,082.3 C 1,053.7 E 171.3 E 348.6 E
Total, all hours 00:00 to 05:59 06:00 to 11:59 12:00 to 17:59 18:00 to 23:59 Weekends and holidays Total, all hours 00:00 to 05:59 06:00 to 11:59 12:00 to 17:59	4,420.5 D 48,311.7 B 70,556.3 B 31,690.8 B 51,780.0 B 1,548.9 E 15,535.1 C 24,832.2 C	3,474.7 E 45,006.3 B 67,307.3 B 30,447.8 B 50,368.6 B F 15,031.1 C 24,341.4 C	139.2 E 1,187.7 C 1,089.5 C 160.7 E 357.6 E F 155.4 E 141.7 E	2,117.8 E 2,159.6 E 1,082.3 C 1,053.7 E 171.3 E 348.6 E 349.0 E
Total, all hours 00:00 to 05:59 06:00 to 11:59 12:00 to 17:59 18:00 to 23:59 Weekends and holidays Total, all hours 00:00 to 05:59 06:00 to 11:59	4,420.5 D 48,311.7 B 70,556.3 B 31,690.8 B 51,780.0 B 1,548.9 E 15,535.1 C	3,474.7 E 45,006.3 B 67,307.3 B 30,447.8 B 50,368.6 B F 15,031.1 C	139.2 E 1,187.7 C 1,089.5 C 160.7 E 357.6 E F 155.4 E	806.66 2,117.8 E 2,159.6 E 1,082.3 G 1,053.7 E 171.3 E 348.6 E 349.0 E
Total, all hours 00:00 to 05:59 06:00 to 11:59 12:00 to 17:59 18:00 to 23:59 Weekends and holidays Total, all hours 00:00 to 05:59 06:00 to 11:59 12:00 to 17:59 18:00 to 23:59 Weekdays	4,420.5 D 48,311.7 B 70,556.3 B 31,690.8 B 51,780.0 B 1,548.9 E 15,535.1 C 24,832.2 C 9,863.7 C	3,474.7 E 45,006.3 B 67,307.3 B 30,447.8 B 50,368.6 B F 15,031.1 C 24,341.4 C 9,640.9 C	139.2 E 1,187.7 C 1,089.5 C 160.7 E 357.6 E F 155.4 E 141.7 E F	2,117.8 E 2,159.6 E 1,082.3 C 17.1 3 E 348.6 E 349.0 D 184.8 E
Total, all hours 00:00 to 05:59 06:00 to 11:59 12:00 to 17:59 18:00 to 23:59 Weekends and holidays Total, all hours 00:00 to 05:59 06:00 to 11:59 12:00 to 17:59 18:00 to 23:59 Weekdays Total, all hours	4,420.5 D 48,311.7 B 70,556.3 B 31,690.8 B 51,780.0 B 1,548.9 E 15,535.1 C 24,832.2 C 9,863.7 C	3,474.7 E 45,006.3 B 67,307.3 B 30,447.8 B 50,368.6 B F 15,031.1 C 24,341.4 C 9,640.9 C	139.2 E 1,187.7 C 1,089.5 C 160.7 E 357.6 E F 155.4 E 141.7 E F	1,053.7 E 171.3 E 349.0 E 349.0 E 184.8 E
Total, all hours 00:00 to 05:59 06:00 to 11:59 12:00 to 17:59 18:00 to 23:59 Weekends and holidays Total, all hours 00:00 to 05:59 06:00 to 11:59 12:00 to 17:59 18:00 to 23:59 Weekdays Total, all hours 00:00 to 05:59	4,420.5 D 48,311.7 B 70,556.3 B 31,690.8 B 51,780.0 B 1,548.9 E 15,535.1 C 24,832.2 C 9,863.7 C 103,199.3 B 2,871.6 E	3,474.7 E 45,006.3 B 67,307.3 B 30,447.8 B 50,368.6 B F 15,031.1 C 24,341.4 C 9,640.9 C 95,867.4 B 2,119.6 E	139.2 E 1,187.7 C 1,089.5 C 160.7 E 357.6 E F 155.4 E 141.7 E F	1,053.7 E 171.3 E 348.6 E 349.0 E 184.8 E 635.3 G
Total, all hours 00:00 to 05:59 06:00 to 01:59 12:00 to 17:59 18:00 to 23:59 Weekends and holidays Total, all hours 00:00 to 05:59 06:00 to 11:59 12:00 to 17:59 18:00 to 23:59 Weekdays Total, all hours 00:00 to 05:59 06:00 to 15:59 06:00 to 17:59 18:00 to 17:59 18:00 to 17:59 18:00 to 17:59	4,420.5 D 48,311.7 B 70,556.3 B 31,690.8 B 51,780.0 B 1,548.9 E 15,535.1 C 24,832.2 C 9,863.7 C 103,199.3 B 2,871.6 E 32,776.6 B	3,474.7 E 45,006.3 B 67,307.3 B 30,447.8 B 50,368.6 B F 15,031.1 C 24,341.4 C 9,640.9 C 95,867.4 B 2,119.6 E 29,975.1 B	139.2 E 1,187.7 C 1,089.5 C 160.7 E 357.6 E F 155.4 E 141.7 E F	1,053.7 E 171.3 E 348.6 E 349.0 D 184.8 E 635.3 C 1,769.2 E
Total, all hours 00:00 to 05:59 06:00 to 11:59 12:00 to 17:59 18:00 to 23:59 Weekends and holidays Total, all hours 00:00 to 05:59 06:00 to 11:59 12:00 to 17:59 18:00 to 23:59 Weekdays Total, all hours 00:00 to 05:59 06:00 to 15:59 06:00 to 17:59 18:00 to 23:59	4,420.5 D 48,311.7 B 70,556.3 B 31,690.8 B 51,780.0 B 1,548.9 E 15,535.1 C 24,832.2 C 9,863.7 C 103,199.3 B 2,871.6 E 32,776.6 B 45,724.1 B	3,474.7 E 45,006.3 B 67,307.3 B 30,447.8 B 50,368.6 B F 15,031.1 C 24,341.4 C 9,640.9 C 95,867.4 B 2,119.6 E 29,975.1 B 42,965.8 B	139.2 E 1,187.7 C 1,089.5 C 160.7 E 357.6 E F 155.4 E 141.7 E F 2,219.3 B 116.6 E 1,032.3 C 947.7 C	806.6 G 2,117.8 B 2,159.6 B 1,082.3 G 1,053.7 E 171.3 E 348.6 E 349.0 D 184.8 E 5,112.6 B 635.3 G 1,769.2 E 1,810.6 B
Total, all hours 00:00 to 05:59 06:00 to 01:59 12:00 to 17:59 18:00 to 23:59 Weekends and holidays Total, all hours 00:00 to 05:59 06:00 to 11:59 12:00 to 17:59 18:00 to 23:59 Weekdays Total, all hours 00:00 to 05:59 06:00 to 15:59 06:00 to 17:59 18:00 to 17:59 18:00 to 17:59 18:00 to 17:59	4,420.5 D 48,311.7 B 70,556.3 B 31,690.8 B 51,780.0 B 1,548.9 E 15,535.1 C 24,832.2 C 9,863.7 C 103,199.3 B 2,871.6 E 32,776.6 B	3,474.7 E 45,006.3 B 67,307.3 B 30,447.8 B 50,368.6 B F 15,031.1 C 24,341.4 C 9,640.9 C 95,867.4 B 2,119.6 E 29,975.1 B	139.2 E 1,187.7 C 1,089.5 C 160.7 E 357.6 E F 155.4 E 141.7 E F	6,166.3 B 806.6 C 2,117.8 B 2,159.6 B 1,082.3 C 1,053.7 E 171.3 E 348.6 E 349.0 D 184.8 E 5,112.6 B 635.3 C 1,769.2 B 1,810.6 B 897.5 C

Table 6-8

Estimates of vehicle-kilometres and passenger-kilometres for provinces only by type of vehicle and road type

	Total, all vehicles	Vehicles up to 4.5 tonnes	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
		millions of vehicle-l	kilometres	
Total, all roads Roads with posted maximum speed	88,306.1 B	80,808.3 B	2,056.1 ^C	5,441.7 B
of 80 kilometres per hour or more	50,157.5 B	45,152.8 B	1,257.7 ^C	3,747.1 B
All other roads	38,148.5 B	35,655.5 ^C	798.4 ^C	1,694.6 B
	Total,	Vehicles	Trucks 4.5 tonnes	Trucks 15 tonnes
	all	up	to 14.9 tonnes	and
	vehicles	to 4.5 tonnes		over
		millions of passenger	r-kilometres	
Total, all roads Roads with posted maximum speed	154,979.3 ^B	146,236.0 ^B	2,576.9 ^C	6,166.3 B
of 80 kilometres per hour or more	91,216.1 B	85,559.0 B	1,521.5 ^C	4,135.6 E
All other roads	63,763.2 B	60,677.0 C	1,055.4 C	2,030.7

Table 6-9 Estimates of vehicle-kilometres and passenger-kilometres for provinces only by origin and destination of trips for vehicles up to 4.5 tonnes

			Destination		
	Driver's home	Driver's regular workplace	Shopping centre, bank or other place of personal business	Leisure, entertainment, recreational facility or restaurant	Other
<u>_</u>		million	s of vehicle-kilomet	res	
Origin Driver's home Driver's regular workplace Shopping centre, bank or other place of personal business Leisure, entertainment, recreational facility or restaurant Other	18,376.4B 5,630.7E F F 9,632.8D	6,119.2 ^D 1,743.4 ^E F F F	F F F F	2,553.2 ^E F F F F	8,577.9 ^D F F F 6,377.2 ^E
			Destination		
	Driver's home	Driver's regular workplace	Shopping centre, bank or other place of personal business	Leisure, entertainment, recreational facility or restaurant	Other
_		millions	of passenger-kilom	etres	
Origin Driver's home Driver's regular workplace Shopping centre, bank or other place of personal business Leisure, entertainment, recreational facility or restaurant Other	32,727.1B 7,044.8E F 4,691.4E 17,693.3C	7,887.6E 2,151.2E F F F	F F F F	5,036.1E F F F 5,926.1E	15,352.9 D F 4,353.6 E 3,621.3 E 14,001.5 D

Table 6-10

Estimates of vehicle-kilometres and passenger-kilometres for provinces only by part of the driver's job for vehicles up to 4.5 tonnes

	Vehicle-kilometres	Passenger-kilometres
	millions	
Total Yes No	80,808.3 A 13,759.2 ^C 67,048.8 ^B	146,236.0 B 20,640.9 D 125,594.9 B

Table 6-11

Estimates of vehicle-kilometres and passenger-kilometres for provinces only by vehicle grou and trip purpose for trucks weighing 4.5 tonnes or more

	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
	millions of vehicle-kilome	etres
Total, all groups Driving to or from service call Carrying goods or equipment Empty Other work purpose Non-work purpose Total	259.3 E 1,365.3 D F F F F 2,056.1 C	248.4 E 4,076.7 B 772.2 D F 329.4 E 5,441.7 B
Straight trucks Driving to or from service call Carrying goods or equipment Empty Other work purpose Non-work purpose Total	253.1 E 1,345.4 D F F F F 2,013.4 C	F 568.0 ^D F F F 8 50.7 ^D
Other trucks over 4.5 tonnes Driving to or from service call Carrying goods or equipment Empty Other work purpose Non-work purpose Total	F F F F	F 3,508.7 B 708.1 D F 232.1 E 4,591.0 B
	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
	millions of passenger-kilon	netres
Total, all groups Driving to or from service call Carrying goods or equipment Empty Other work purpose Non-work purpose Total	382.8 E 1,553.0 D F 314.6 E F 2,576.9 C	332.3 E 4,469.5 B 916.6 D F 432.9 E 6,166.3 B
Straight trucks Driving to or from service call Carrying goods or equipment Empty Other work purpose Non-work purpose Total	376.6 E 1,526.3 D F 299.5 E F 2,526.0 C	140.3 E 612.3 D F F F 958.2 D
Other trucks over 4.5 tonnes Driving to or from service call Carrying goods or equipment Empty Other work purpose Non-work purpose Total	F F F F	F 3,857.2 B 845.2 E F 307.3 E 5,208.2 B

Table 6-12 Estimates of vehicle-kilometres and passenger-kilometres for provinces only by carrying dangerous goods for trucks weighing 4.5 tonnes or more

	Total, all vehicles	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
	millio	ns of vehicle-kilometres	
Total with or without dangerous goods With dangerous goods Without dangerous goods	7,497.8 B 489.3 D 7,008.5 B	2,056.1 ° F 2,032.2 °	5,441.7 B 465.4 D 4,976.3 B
	Total, all vehicles	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
	million:	s of passenger-kilometres	
Total with or without dangerous goods With dangerous goods Without dangerous goods	8,743.3 B 507.4 D 8,235.8 B	2,576.9 ° F 2,552.3 °	6,166.3 B 482.8 E 5,683.5 B

Table 7-1 Estimates by type of vehicle, type of fuel and vehicle body type for provinces only — Vehicle-kilometres

	Total, all vehicles		Vehicles up to 4.5 tonnes		Trucks 4.5 tonnes to 14.9 tonnes		Trucks 15 tonnes and over	
	Gasoline	Diesel	Gasoline	Diesel	Gasoline	Diesel	Gasoline	Diesel
	millions of litres							
Vehicle body type								
Car	40,417.9B	F	40,417.9B	F				
Station wagon	F	F	F	F	·			
Van	15,161.2°	F	15,116.0 ^C	F	45.2 E	F		
SUV	5,458.7 €	F	5,458.7 ^E	F				
Pickup	14,815.9°	2,322.6 E	14,745.2 ^C	2,076.2 €	F	246.3E		
Straight truck	F	2,197.9B	F	F	169.4 [⊑]	1,350.3 C	F	847.6
Tractor trailer		4,610.1B			·	F		4,567.4 E
Bus	F	F	F	F	F	F		
Other	F	F	F	F	F	F		F
Total	77,335.9B	10,716.7 ^C	77,050.2B	3,578.0 □	285.6 ⊑	1,723.6 ^C	F	5,415.1 E

Table 7-2

Estimates by type of vehicle, type of fuel and vehicle body type for provinces only — Fuel consumed

	Total		Vehicles up to 4.5 t	onnes	Trucks 4.5 tonnes to 14.9 tonnes Trucks 15 tonnes and over			s and over
	Gasoline	Diesel	Gasoline	Diesel	Gasoline	Diesel	Gasoline	Diesel
	millions of litres							
Vehicle body type								
Car	F	F	F	F				
Station wagon	F	F	F	F				
Van	F	F	F	F	F	F		
SUV	F	F	F	F				
Pickup	1,907.5 €	F	1,887.2 ⊑	F	F	50.9 ⊑		
Straight truck	F	690.2B	F	F	F	358.6°	F	331.6
Tractor trailer		1,609.9B				F		1,599.8 E
Bus	F	F	F	F	F	F		
Other	F	F	F	F	F	F		F
Total	7,725.0 ∈	2,750.4 ^C	7,648.4 ⊑	F	F	439.5 C	F	1,931.5

Table 8-1

Activity type for trucks weighing 4.5 tonnes or more for provinces only — Number of vehicles in scope by type of vehicle

	Trucks 4.5 tonnes to 14.9 tonnes	Trucks 15 tonnes and over
Total, all activity types For-hire trucking Owner-operator trucking Private trucking Other activity type	363,124 A 33,427 D 41,619 D 221,451 B 66,627 C	308,733 A 142,309 B 63,763 C 79,609 B 23,053 E

Table 8-2

Activity type for trucks weighing 4.5 tonnes or more for provinces only — Vehicle-kilometres and passenger-kilometres for trucks 4.5 tonnes to 14.9 tonnes

-	Vehicle-kilometres Passenger-kilometres
	millions
Total, all activity types For-hire trucking Owner-operator trucking	2,056.1 ° 2,576.9 ° F 324.1 ^E F
Private trucking Other activity type	1,254.2 D 1,550.4 D 372.4 E 477.9 E

Table 8-3

Activity type for trucks weighing 4.5 tonnes or more for provinces only — Vehicle-kilometres and passenger-kilometres for trucks 15 tonnes or more

	Vehicle-kilometres	Passenger-kilometres		
	million	millions		
Total, all activity types For-hire trucking Owner-operator trucking Private trucking Other activity type	5,441.7 B 3,008.6C 1,203.4D 1,040.7D 189.1E	6,166.3 B 3,395.5C 1,397.5D 1,165.0D 208.3E		

Table 9-1

Trip type for trucks weighing 4.5 tonnes or more for provinces only — Vehicle-kilometres and passenger-kilometres for trucks 4.5 tonnes to 14.9 tonnes

	Vehicle-kilometres	Passenger-kilometres		
	millions			
Total, all trip types Trips within provinces Trips between provinces Trips across Canada and United States border Trips outside Canada	2,056.1 ° 2,039.3 ° F F F	2,576.9 ° 2,551.9° F F F		

Table 9-2

Trip type for trucks weighing 4.5 tonnes or more for provinces only — Vehicle-kilometres and passenger-kilometres for trucks 15 tonnes or more

	Vehicle-kilometres	Passenger-kilometres
	millior	ns
Total, all trip types Trips within provinces Trips between provinces Trips across Canada and United States border Trips outside Canada	5,441.7 B 3,338.4 B 662.1 D 1,329.3 D 111.9 E	6,166.3 B 3,569.6 B 901.4 D 1,575.9 D 119.4 E

Concepts and definitions

The population of interest

The **in-scope vehicles** for the CVS include all motor vehicles, except buses (buses were included in the survey prior to 2004), motorcycles, off road vehicles (for example, snowmobiles, dune buggies, amphibious vehicles) and special equipment (for example, cranes, street cleaners, snowplows and backhoes), registered in Canada anytime during the survey reference period, that have not been scrapped or salvaged.

The **population of interest** consists of vehicle-days, composed from the in-scope vehicles and the days within the survey reference period.

Definitions of variables in tables

Vehicle-kilometres is the distance traveled by vehicles on roads.

Passenger-kilometres is the sum of the distances traveled by individual passengers (the driver being considered as one of the passengers). For example, for a vehicle with three passengers (the driver being one of them) that is driven on a distance of 10 kilometres, the number of passenger-kilometres will be 30. Light vehicles (see the Vehicle type definition below) report the number of passengers for each trip (see the Trip definition below). The number of passengers in heavy vehicles with gross vehicle weight of 4.5 tonnes or more (see the Vehicle type definition below) is calculated as the average of the number of passengers at the beginning of each trip and the number of passengers at the end of each trip (see the Trip definition below).

Fuel consumed is the amount of fuel used to operate vehicles. This variable is derived for each vehicle using the reported fuel purchases and distance driven.

The number of vehicles on the registration lists is the average number of the registered vehicles in the registration lists at the beginning and at the end of the reference period.

The number of vehicles in scope is an estimate of the average number of vehicles registered during the quarter based on the lists from jurisdictions and the survey responses. This number slightly differs from the previous one because we incorporate into it all our findings from the survey. Note that this number includes vehicles used and not used on the roads during the reference period.

Definitions of vehicle characteristics

Vehicle type is the weight classification created for the CVS, based on the information available on the vehicle registration lists. The vehicles are divided into three weight types: **light vehicles** with gross vehicle weights below 4.5 tonnes, **heavy vehicles** with gross vehicle weights of 4.5 tonnes or more and less than 15 tonnes, and **heavy vehicles** with gross vehicle weights of 15 tonnes or more.

The respondent determines **vehicle body type**. The respondent is asked to choose among: car, station wagon, van, sport utility vehicle, pick-up, straight truck, truck-tractor, and other. Missing or unusual responses are verified against registration lists, if possible.

Fuel type is based on the information provided by the respondent or from the registration lists. All vehicles are divided into three classes: vehicles powered by gasoline, vehicles powered by diesel fuel and vehicles powered by other energy sources.

Vehicle model year is derived based on the information available on the registration lists.

Definitions of vehicle usage characteristics

The CVS definition of a **trip** determines the trip characteristics. The definition of what delimits a trip depends on the **vehicle type**:

A new trip is reported for light vehicles if any of the following events happen:

- · the driver gets in the car
- · a passenger gets in or out of the car

A new trip is reported for heavy vehicles weighing 4.5 tonnes or more if any of the following events happen:

- · a stop of more than 30 minutes
- · a change of driver
- · a change of purpose or use
- · a change in the truck configuration
- · a change in the status of the load from loaded to unloaded or the reverse

For each trip, the respondent provides the following information:

- Beginning and end times and dates of the trip that are used to determine the **time of day** and **day of week** the trip takes place.
- Driver age group and driver sex.
- Trip origin and destination for light vehicles.
- **Trip purpose** for heavy vehicles, as determined by the respondent. If there were several purposes for the trip, the respondent is asked to indicate the main purpose of the trip. Multiple trip purposes are not allowed.
- If dangerous goods (as defined by the Transportation of Dangerous Goods Act) are carried by heavy vehicles.
- Number of kilometres traveled on roads with posted speed limit of 80 km/h or more.
- Age group (Under 5 years, 5 to 14, 15 to 19, 20 to 34, 35 to 54, 55 to 64, 65 to 74, 75 to 84, 85 years and over) of passengers and the number of passengers within each group, to calculate passenger-kms. Passenger age information is collected only for light vehicles (see "Data quality, concepts and methodology Concepts and definitions"). We collect the total number of passengers only for heavy vehicles.
- Truck configuration for heavy vehicles.
- Total cost, unit cost and quantity of fuel purchased.

Methodology

The CVS has been designed as a quarterly survey. The survey design also allows the calculation of annual estimates based on the data collected during the four quarters.

Survey design

Survey population

The survey population of vehicles was derived from the 13 jurisdiction vehicle registration lists (ten Provincial and three Territorial Governments) created three months before the reference period. The sample of vehicles for this quarter was drawn from lists of motor vehicles with valid registrations in any province or territory available in April 2005. Buses, motorcycles, off-road vehicles (e.g., snowmobiles, dune buggies, amphibious vehicles) and special equipment (for example, cranes, street cleaners, snowplows and backhoes) are excluded from the survey. This population differs from the population of interest of vehicles; for example, vehicles that were registered after April 2005 are not included.

The thirteen incoming lists underwent a thorough preparation procedure:

- First, out-of-scope vehicles are removed (buses, trailers, motorcycles, construction equipment, parade vehicles, motor homes, etc.) from each list.
- Second, vehicles with expired registrations are removed from each list.
- · Then, records with duplicate Vehicle Identification Numbers (VIN) within each list are removed leaving only the record that had been updated most recently.
- · Last, records in each file with irregular data are verified.

The last set of processed lists, before the beginning of the reference period, consisted of the thirteen lists provided in April 2005 to Statistics Canada for the CVS. This set of prepared vehicle lists and the set of days within the third quarter of 2005 constitute the survey population of vehicle-days.

Sample design

The CVS uses a two-stage sample design. At the first-stage, a sample of vehicles is selected, while at the secondstage, a sample of consecutive days within the quarter is selected.

To select the first-stage sample, all vehicles from the survey population were first stratified (grouped) into 78 strata. The vehicles were stratified into three vehicle types (see appendix I) and 13 jurisdictions (ten provinces and three territories). Then, in order to improve the precision of the estimates, the vehicles were further divided into two vehicle-age strata of newer and older vehicles.

Next, the vehicles were sorted within each stratum, using the first three characters of the postal code of the owner's address. Then, a systematic sample of vehicles (first stage sample) was selected from the survey population. Systematic sampling was used to spread the sample over all regions and to avoid heavy burden on owners of multiple vehicles. To minimize respondent burden, no vehicle is selected more than once during any consecutive four guarters for provinces and two consecutive guarters for territories.

In the second stage, a first reporting day within the quarter was randomly assigned to each vehicle selected in the first stage. Within each stratum, the first reporting day was evenly spread over the quarter to ensure a uniform number of responses over time and for each day of the week. This step was not applied to the vehicles registered in the three territories since only odometer readings are collected (see "Survey overview").

Estimation

Since the sample was selected in two stages, the sampling weight (see appendix I) was also calculated in two steps. The first-stage sampling weight was calculated for each vehicle in the first-stage sample. Then the second-stage sampling weight was calculated for each vehicle-day selected from all days within the reference period. Finally, these two weights were multiplied together to obtain the final weight for a vehicle-day. The weighted values are obtained by multiplying the final weights and the collected values. They were aggregated to produce the estimates.

Sample size

A total of 5,375 vehicles out of 18,509,163 from the survey population were drawn for the ten provinces. Another 2,707 vehicles out of 51,490 were included in the sample for the three territories.

Data collection and processing

Data Collection

The data collection for the vehicles sampled in the ten provinces is different from the one for the vehicles sampled in the territories.

Provincial collection

The registered owners of the sampled vehicles were telephoned and interviewed (Computer Assisted Telephone Interview, or CATI). During the CATI, the following information is collected about each sampled vehicle: vehicle type, fuel type used, distance driven the previous week, some information about anticipated vehicle usage during the following six weeks, current odometer reading, some vehicle maintenance questions and some questions on the household characteristics. Then the respondent was asked to complete a trip log. If the respondent agreed, personal information, such as name and address, were obtained in order to mail out the trip log for the vehicle.

The log type depended on the type of vehicle. There were two types of logs: a light vehicle log and a heavy vehicle log.

Respondents receiving a light vehicle log were requested to record information for 20 consecutive trips made in the selected vehicle, beginning on the assigned first reporting day. Respondents receiving a heavy vehicle log were requested to record information for all the trips made in the selected vehicle over the assigned seven-day period.

The collected data included information about each trip:

- · Start and stop dates and times
- · Start and stop odometer readings
- origin and destination (light vehicle log) or trip purpose (heavy vehicle log)
- number and age group of passengers (light vehicle log) or number of passengers at the start and end of the trip (heavy vehicle log)
- · sex and age group of the driver
- fuel purchases

- · distance traveled on roads with posted speed limit of 80km/h or more
- truck configuration (heavy vehicle log only)
- · dangerous goods (heavy vehicle log only)

Starting in 2004, the respondents were also asked to continue to record their fuel purchases until they reported two fill-ups or five fuel purchases or until the 28-day reporting period is over.

If the respondent could not be contacted by phone, a trip log with a short additional questionnaire (to collect some of the information normally collected during the CATI) was mailed out.

To increase the number of responses, respondents were contacted a second time, either by phone or by mail. On the first or second day of the log, an attempt was made to phone each vehicle owner, who agreed during the CATI to fill out the log, to answer any questions the respondent might have. Later, an attempt was made to contact by phone or mail everyone who did not return logs. (Some companies with large vehicle fleets have special arrangements to lower their response burden. There is no follow-up done with these companies.)

Territorial collection

The registered owners of the selected vehicles were mailed questionnaires and asked to provide two odometer readings, one at the beginning of the quarter and another at the beginning of the next quarter. Information was also collected on the vehicle status (owned, sold, scrapped), body style (car, SUV, pick-up, etc.) and type of fuel used.

Edit and Imputation

Once all necessary information for the survey was collected, a series of verifications took place to ensure that the records were consistent and that collection and capture of the data did not introduce errors. Reported data were examined for completeness and consistency using automated edits coupled with manual review. Outliers, i.e., respondents reporting extremely large values, were processed manually.

Missing values and data found in error were imputed by another automated system. The system imputed the data using different imputation rules depending on the vehicle, available information and the type of data to be imputed. For example, the data can be imputed based on other responses for the same vehicle or by using data from a similar vehicle. The imputed data were then again examined for completeness and consistency.

A complete description of the procedures applied to the survey data is available upon request from the Transportation Division of Statistics Canada.

Estimation

Since the survey population differs from the population of interest, several corrections were done to assure that the estimates correspond (as closely as possible) to the population of interest. The sampling weights derived from the sample design were adjusted and improved using updated registration lists. This was possible because, during the passage of time since the sample was selected, new sets of prepared vehicle lists were obtained for the beginning and for the end of the reference quarter. To improve the estimates for the vehicles registered in the ten provinces, all the days were further stratified into working days and holidays (or non-working days, including weekends). Second stage sampling weights were adjusted so that every day of vehicle activity within the same stratum contributed with equal weight to the total estimate. The final set of weights reflected as closely as possible the characteristics of the vehicle population during the reference period.

The following estimates of totals are available:

- vehicle counts by jurisdiction and vehicle type;
- vehicle-kilometres by jurisdiction and vehicle type;

- · passenger-kilometres by province and vehicle type;
- · fuel consumed, by vehicle type and fuel type;
- cross tabulations of vehicle-kilometers and passenger-kilometers by a number of variables (described in "Data quality, concepts and methodology — Concepts and definitions"), such as body type, driver characteristics, time of day, day of week, etc.

Data quality

This section describes factors that affect the data quality and why they should be considered when using the CVS estimates.

Sources of errors

While considerable effort is put forth to ensure that a high standard is maintained throughout all survey operations, the resulting estimates are inevitably subject to a certain degree of error. The total survey error is defined as the difference between the survey estimate and the true value for the population, at which the survey estimate aims. The total survey error consists of two types of errors: sampling and non-sampling errors.

Sampling error

When a sample is selected from a population, estimates based on the sample data may not be exactly the same as what would be obtained from a census of that population. The two results will likely differ since only data for sampled units are used. In the case of a census, there is no sampling error.

The difference between the estimates from a sample survey and a census conducted under the same conditions is referred to as the sampling error of a survey estimate. Factors such as the sample size, the sample design, the variability of the population characteristic under study and the estimation method affect the sampling error. If the population is very heterogeneous like the population of registered motor vehicles, a large sample size is needed to obtain reliable estimates.

The sampling error is measured by a statistical quantity called the standard error. This quantity reflects the expected variability of the survey estimate of a particular population characteristic if repeated sampling is carried out. The true value of the standard error is, of course, not known but can be estimated from the sample. The estimated standard error is used, in this publication, in terms of a relative measure called the coefficient of variation (or CV). This measure is simply the estimated standard error expressed as a percentage of the value of the survey estimate. Therefore, a smaller CV indicates better reliability of the estimate.

Non-sampling errors

The sampling error is only one component of the total survey error. All other errors arising from all phases of a survey are called non-sampling errors. As the sample size becomes closer to the population size, the sampling error component of the total survey error is expected to decrease. However, this is not necessarily true for the nonsampling error component. For example, this type of error can arise when a respondent provides incorrect information or does not answer certain questions, when a unit in the population of interest is omitted or covered more than once, when a unit that is out-of-scope for the survey is included by mistake or when errors occur in data processing, such as coding and capture errors.

Some non-sampling errors will cancel over a large number of observations, but systematically occurring errors (i.e. those that do not tend to cancel) will contribute to a bias in the estimates. For example, in the case of the CVS, if individuals that use their vehicles more than an average person consistently tend not to respond to the survey, then the resulting estimate of the total vehicle-kilometres will be below the true population total. Any such biases are not reflected in the estimates of standard error.

The non-sampling error as a whole is only one part of the total survey error but its contribution may be important. To minimize the effect of this type of error, a quality assurance program is carried out for each survey. For instance, follow-ups of nonrespondents can be conducted to obtain information from the total nonrespondents or to complete partially unanswered questionnaires for questions that are deemed essential. Various quality assurance procedures can be exercised at the data capture step. The data editing procedures can identify some inconsistencies in the data structure and the imputation procedures can then correct the identified inconsistencies.

In general, non-sampling errors are difficult to quantify. Special studies must be conducted to estimate them. However, certain measures such as response and imputation rates are easily obtained and can be used as indicators of the non-sampling errors. Different types of non-sampling errors are discussed below.

Coverage errors

Coverage errors arise when the survey population does not adequately cover the population of interest. As a result, certain units belonging to the population of interest are either excluded (undercoverage), or counted more than once (overcoverage). In addition, out of scope units may be present in the survey population (overcoverage).

The following sources of coverage errors for the CVS were observed:

- Errors in the classification variables of the survey may result in either under- or overcoverage of the registered vehicles.
- The sample is drawn from the list created three months prior to the beginning of the reference period. Thus the
 vehicles registered after the list was created and before the end of the reference period cannot be drawn into the
 sample.
- A vehicle list from any jurisdiction that was not created on time or did not arrive at all results in even larger undercoverage since an older list has to be used for sampling.
- · A vehicle list created early causes overcoverage.
- · A vehicle that has been scrapped or salvaged and remained on the list causes overcoverage.
- The survey population (see"Data quality, concepts and methodology Methodology") can contain vehicles with
 the same Vehicle Identification Number (VIN), for example, when a vehicle is on the registration file of more than
 one jurisdiction. Since every vehicle has a unique VIN, this is likely to cause some overcoverage and consequently
 overestimation.
- A vehicle that was registered and subsequently unregistered between two consecutive registration lists causes undercoverage.

Thus the CVS is subject to some degree of under and over coverage. The estimation procedure is designed to compensate for the part of the under- and over coverage that has been determined.

Since we assume that the respondent is right (unless we have hard evidence to the contrary), the corrections at the estimation stage are mostly based on the respondent statements.

Response errors

Response errors occur when a respondent provides incorrect information due to a misinterpretation of the survey questions or due to a lack of correct information, or when a respondent is reluctant to disclose the correct information. Large response errors are likely to be caught during editing. However, others may simply go through undetected.

Few response errors were discovered during editing of the data.

Nonresponse errors

Nonresponse errors can occur when a respondent does not respond at all (total nonresponse) or responds only to some questions (partial nonresponse). These errors can have a serious effect if the nonrespondents are systematically different in survey characteristics from the respondents and/or the nonresponse rate is high. See the response rate tables in "Data quality, concepts and methodology — Data quality".

Processing errors

Apart from coverage, response and nonresponse errors described above, errors that occur during the processing of the data constitute another component of the non-sampling error. Processing errors can arise in data capture, coding, transcription, editing, imputation, outlier detection and treatment, and other types of data handling.

A coding error occurs when a field is coded erroneously because of a misinterpretation of the coding procedures or a bad judgment. A data capture error occurs when the data are misinterpreted or keyed incorrectly. For example, an odometer reading of 53467 could be keyed as 54367.

Once data are coded and captured, they are subject to editing and imputation of missing or erroneous values. The quality of the data used in the estimation depends on the amount of imputation and the difference between the imputed and the true, but unknown, values. The imputation system could result in bias of the estimates. This can happen due to wrong assumptions or due to inability to impute. For example, in the CVS, it is impossible to detect, for vehicles that travel only a small distance during the reported period, fuel purchases that are missing or entered in error.

Measuring quality

This section presents some indicators of the data quality of the CVS estimates.

Response rates

The response rate is a function of the number of vehicles that responded to the survey. This rate is defined as the number of vehicles for which respondents gave complete or partial (vehicle-kilometers only) answers to the survey divided by the total number of in-sample vehicles.

Table A

Vehicle response rates by province and vehicle type

	Newfoundland and Labrador	Prince Edward Island	Nova Scotia	New Brusnwick	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia
	-				percen	t				
Light vehicles Heavy vehicles 4.5 to 14.9 tonnes Heavy vehicles 15 tonnes or more	65 59 70	74 57 59	59 69 65	68 67 82	66 68 68	68 73 68	74 79 61	71 60 60	66 69 49	66 57 75

Table B
Vehicle response rates by territory

	Yukon	Yukon Northwest Territories	
	percent		
All vehicles	18	14	11

The low level of response may lead to biased results if the characteristics of interest of the nonrespondents are different than those of the respondents.

Relative imputation rates

The relative imputation rate is defined as the proportion of the corresponding published estimate that is accounted for by imputed data. For example, if the total published estimate is 25 million, composed of 20 million from nonimputed data and 5 million from imputed data, then the relative imputation rate is .2 (5 million divided by 25 million) or 20%. The lower the relative imputation rates are, the more reliable the published estimates are.

The relative imputation rates were calculated for each of the estimates and used to establish a quality indicator for each estimate. The relative imputation rates for estimates could be obtained from the Transportation Division of Statistics Canada upon request.

Coefficient of variation

As a measure of the sampling error of the estimates, the estimated coefficients of variation (CV) were calculated. CV's for estimates may be obtained from the Transportation Division of Statistics Canada upon request. Note that the calculated CV estimates take into account the variability due to sampling and the variability due to non-response and imputation.

Quality indicator

To assist the user in evaluating the potential effect of nonresponse, imputation and sampling error, an all-embracing quality indicator accompanies every estimate. The quality indicator is a function of the CV, which takes into account the variability due to sampling and the variability due to non-response and imputation.

Letter and significance	Coefficient of variation				
A Excellent	Less than 5%				
^B Very good	5% to 9.9%				
^C Good	10% to 14.9%				
D Acceptable	15% to 19.9%				
E Use with caution	20% to 34.9%				
F too unreliable to be published	35% or more				

The quality of counts (direct from registration lists) not accompanied by a quality symbol is good or better.

Notes for historical comparison

Beginning with Quarter 1, 2004, the following changes were made and may affect comparability with previous quarters:

Buses are excluded from the survey

- Rather than estimates of the quantity of fuel purchased, the survey now produces estimates of the quantity of fuel consumed.
- The light vehicle log is based on 20 trips rather than reporting all trips for 7 days. Depending on vehicle usage, some respondents will report more than 7 days worth of trips while others will report less than 7 days.
- The definition of a trip for light vehicles has changed so that a new trip is now reported every time a driver gets in
 the vehicle or a passenger gets in or out of the vehicle. This change will mean that what was previously reported
 as one trip could now be reported as two, three or even more trips if there is a change in driver and/or multiple
 passengers are picked up or dropped off at different locations. This new definition will produce more accurate
 estimates of passenger-kilometres for light vehicles.

Beginning with Quarter 2, 2003, vehicles that were insured but not registered were removed from the registration lists for Manitoba. As a result, some estimates for Manitoba may be lower than the estimates from previous quarters.

Beginning with Quarter 4, 2001, vehicles that were registered but did not have license plates were removed from the registration lists for Quebec. As a result, some estimates for Quebec may be lower than the estimates from previous quarters.

Beginning with Quarter 1, 2001, the following changes were made and may affect comparability with previous quarters:

- Prior to this quarter, duplicate records found within the same list and duplicate records found in more than one list
 were removed. Starting in this quarter, duplicate records were removed from within each list only. This change
 may cause some overcoverage and, consequently, overestimation.
- Type of fuel used and body type are collected for the territories. Consequently, the four tables (pages: 28, 29, 34, 36) now include the territories.
- The heavy vehicle logs were changed in 2001 in order to collect passenger information for heavy vehicles. This change means that passenger-kilometres are now estimated for all vehicles, except urban transit buses, for all the provinces (but not for territories).
- The heavy vehicle logs were also changed in 2001 in order to collect distance traveled on roads with posted speeds of 80 kilometres per hour or more. This change means that this information is now estimated for all vehicle types in all provinces (but not for the territories).

The following change was made in the third quarter of 2000 and may affect comparability with previous quarterly results:

Owners of buses and heavy vehicles registered in the territories are now sent two short questionnaires to record
odometer readings at the start and end of the quarter. This process was always used for light vehicles in the
territories and replaces the previous method of sending only one questionnaire at the end of the quarter and
requesting that bus and heavy vehicle owners rely on maintenance records to provide odometer readings for the
start of the quarter.

The following changes were made in the first quarter of 2000 to improve the quality of the survey by diminishing non-sampling errors.

The changes that affect comparability with 1999 results:

- The trip purpose choices (for all vehicle types) were changed. The purpose is now based on the destination of the trip. Thus the results from 2000 and 1999 are not comparable for this item.
- Passenger-kilometers were not collected for heavy vehicles in 2000.

The changes that may affect comparability with the 1999 results:

- · A new log was developed for survey year 2000 for all heavy vehicles. In 1999 heavy vehicles with gross vehicle weights of 4.5 tonnes or more and less than 15 tonnes had a different log than heavy vehicles with gross vehicle weights of 15 tonnes or more.
- · The fuel purchased question was attached to each trip for the 2000 survey year for heavy vehicles. Previously it was recorded separately from the trips.

Appendix I

Glossary

Population of interest: the collection of all units (for example, vehicle-days) for which the information is required.

Survey population: the collection of all units (for example, vehicle-days) for which the information can be realistically provided to the survey. The survey population may differ from the population of interest due to the operational difficulty of identifying all the units that belong to the population of interest. A list of all units in the survey population with their classification information (for example, geographical, vehicle characteristics, date) is used for sample design, selection and estimation.

Stratification: a non-overlapping partition of the survey population into relatively homogeneous groups with respect to certain characteristics such as geographical classification, size, etc. These groups are called strata and are used for sample allocation and selection.

Sampling weight: a raising factor is attached to each sampled unit (vehicle-day) to obtain estimates for the population from a sample. The basic concept of the sampling weight can be explained by using the representation rate. For example, if 2 units are selected out of 10 population units at random, then each selected unit represents 5 units in the population including itself, and is given the sampling weight of 5. A survey with a complex sample design like CVS requires a more complicated way of calculating the sampling weight. However, the sampling weight is still equal to the number of units in the registration lists the sampled unit represents.

Editing: the application of checks that identify missing, invalid or inconsistent entries or that point to data records that are potentially in error. Some of these checks involve logical relationships that follow directly from the concepts and definitions. Others are more empirical in nature or are obtained as a result of the application of statistical tests or procedures.

Imputation: the process used to resolve problems of missing, invalid or inconsistent responses identified during editing. This is done by changing some of the responses or missing values on the record being edited to ensure that a plausible, internally coherent record is created. Some problems are eliminated earlier through contact with the respondent or through manual study of the questionnaire. It is generally impossible to resolve all problems at these early stages due to concerns of response burden, cost and timeliness. Imputation is then used to handle remaining edit failures, since it is desirable to produce a complete and consistent file containing imputed data. Although, imputation can improve the quality of the final data by correcting for missing, invalid or inconsistent responses, some methods of imputation do not preserve the relationships between variables or can actually distort underlying distributions.