

**MOTOR VEHICLE CENSUS**

AUSTRALIA

EMBARGO: 11.30AM (CANBERRA TIME) TUE 23 JUL 2013

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For further information about these and related statistics, contact the National Information and Referral Service on 1300 135 070.

NOTES

ABOUT THIS PUBLICATION

This publication presents statistics relating to vehicles which were registered at 31 January 2013 with a motor vehicle registration authority. Motor vehicle registration statistics reflect the information as recorded in registration documents.

Statistics are provided on vehicle types comprising passenger vehicles, campervans, light commercial vehicles, trucks, buses and motor cycles. Vehicle characteristic information includes make of vehicle, year of manufacture, type of fuel that the vehicle was registered as using, and Gross Vehicle Mass or Gross Combination Mass for trucks. The size of the motor vehicle fleet is also compared with the estimated resident population.

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ABBREVIATIONS

- ABS Australian Bureau of Statistics
- ACT Australian Capital Territory
- Aust. Australia
- ERP estimated resident population
- GCM gross combination mass
- GVM gross vehicle mass
- LPG liquefied petroleum gas
- MVC Motor Vehicle Census
- NMVS new motor vehicle sales
- NSW New South Wales
- NT Northern Territory
- Qld Queensland
- SA South Australia
- Tas. Tasmania
- Vic. Victoria
- WA Western Australia

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Australian Statistician

SUMMARY OF FINDINGS

TOTAL NUMBER OF VEHICLES ON REGISTER

There were almost 17.2 million motor vehicles, including Motor cycles, registered in Australia for the 2013 Motor Vehicle Census (MVC). This is 2.6% higher than the number of registrations for 2012 and an increase of 12.3% since 2008. The average annual growth rate over the five years to 2013 was 2.4%.

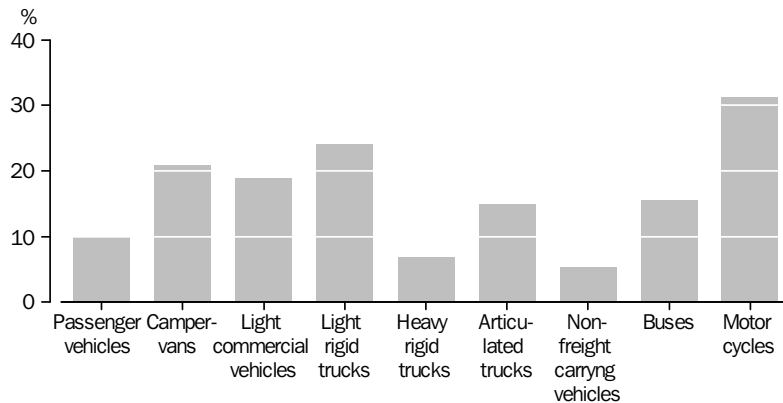
TYPE OF VEHICLE (a)—Census years 2008, 2012 and 2013

	2008	2012	2013	Change 08/13	Change 12/13	Average annual growth 08/13(b)
	no.	no.	no.	%	%	%
Passenger vehicles	11 803 536	12 714 235	13 000 021	10.1	2.2	2.0
Campervans	44 790	52 600	54 101	20.8	2.9	4.0
Light commercial vehicles	2 288 216	2 617 799	2 717 673	18.8	3.8	3.6
Light rigid trucks	105 726	124 291	131 147	24.0	5.5	4.6
Heavy rigid trucks	305 184	322 115	325 998	6.8	1.2	1.4
Articulated trucks	79 132	87 995	90 904	14.9	3.3	2.9
Non-freight carrying vehicles	21 808	22 722	22 986	5.4	1.2	1.1
Buses	80 581	90 599	93 034	15.5	2.7	3.0
Motor cycles	567 569	709 288	744 732	31.2	5.0	5.8
Total motor vehicles	15 296 542	16 741 644	17 180 596	12.3	2.6	2.4

- (a) Refer to Glossary for definition of vehicle types.
- (b) Refer to Glossary for definition of Average annual growth.

Motor cycles, Light rigid trucks and Campervans were the vehicle types experiencing the largest growth rate over the five years between 2008 and 2013 with increases of 31.2%, 24.0% and 20.8% respectively.

TYPE OF VEHICLE (a), Percent change—Census years 2008 and 2013



- (a) Refer to Glossary for definition of vehicle types.

SUMMARY OF FINDINGS *continued*

CHARACTERISTICS OF THE FLEET

Across Australia, Passenger vehicles accounted for 75.7% of all vehicles registered for the 2013 MVC. Western Australia and the Northern Territory were the only state/territory to experience an increase in the proportion of Passenger vehicles in their fleet over this time. The decrease in the proportion of Passenger vehicles in other states/territories has been offset by increases in the proportion of Light commercial vehicles and Motor cycles in these states.

Light commercial vehicles accounted for 15.8% of all vehicles registered in Australia for the 2013 MVC.

Motor cycles made up 4.3% of all vehicles registered in Australia for the 2013 MVC, up from 3.7% in 2008.

Rigid trucks accounted for 2.7% of the total number of vehicles registered both in 2013 and 2008. Registrations of Rigid trucks with a gross vehicle mass (GVM) greater than 20 tonnes have increased by 18.3% since 2008, while registrations of Rigid trucks with a GVM of 20 tonnes or less have increased by 9.6% over the same period.

For the 2013 MVC, Articulated trucks only accounted for 0.5% of the total number of registered vehicles in Australia. From 2008 to 2013, the number of registered Articulated trucks with a GCM up to 40 tonnes has decreased by 15.2%, while the number of Articulated trucks with GCM over 60 to 100 tonnes and greater than 100 tonnes has increased by 22.5% and 52.8% respectively.

STATES AND TERRITORIES

The distribution of the vehicle fleet across the states/territories reflects the population distribution. New South Wales had the largest share of the Australian fleet in the 2013 MVC with almost 5 million vehicles or 29.0% of all registered vehicles. Victoria had the second largest share with nearly 4.4 million vehicles (25.5%) followed by Queensland with 3.6 million vehicles (21.0%). The Northern Territory had the smallest share with 0.1 million registered vehicles (0.9%).

STATE OF REGISTRATION—Census years 2008, 2012 and 2013

	2008	2012	2013	Change 08/13	Change 12/13	Average annual growth 08/13(a)
	no.	no.	no.	%	%	%
New South Wales	4 519 963	4 869 996	4 984 557	10.3	2.4	2.0
Victoria	3 921 574	4 286 284	4 383 634	11.8	2.3	2.3
Queensland	3 173 447	3 492 311	3 606 121	13.6	3.3	2.7
South Australia	1 178 904	1 275 041	1 298 404	10.1	1.8	2.0
Western Australia	1 746 579	1 977 756	2 048 388	17.3	3.6	3.4
Tasmania	391 327	431 991	436 999	11.7	1.2	2.3
Northern Territory	122 986	141 101	148 569	20.8	5.3	4.0
Australian Capital Territory	241 762	267 164	273 924	13.3	2.5	2.6
Australia	15 296 542	16 741 644	17 180 596	12.3	2.6	2.4

(a) Refer to Glossary for definition of Average annual growth.

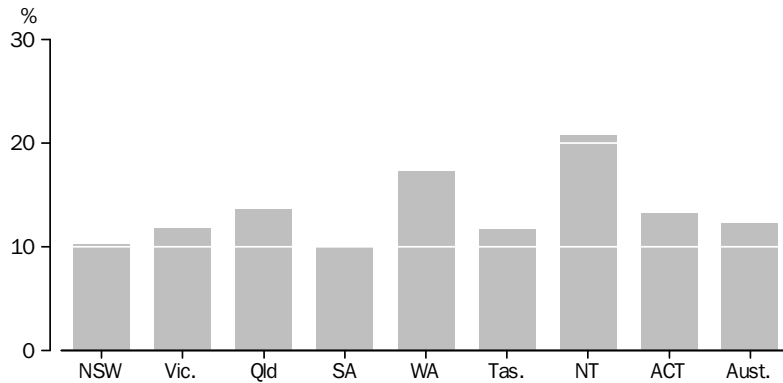
SUMMARY OF FINDINGS *continued*

STATES AND TERRITORIES *continued*

The Northern Territory had the largest growth (20.8%) with an annual average increase of 4.0% over the 5 year period 2008 to 2013, followed by Western Australia (17.3%) with an annual average increase of 3.4% and Queensland (13.6%) with an annual increase of 2.7%.

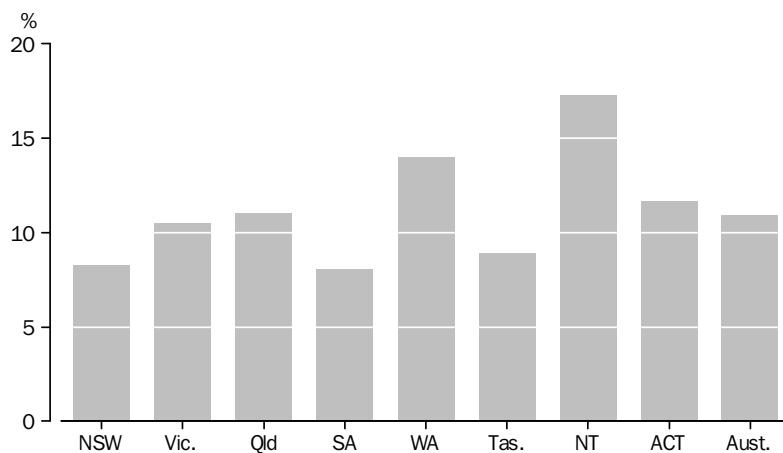
Over the same five year period, South Australia had the smallest growth in fleet size (10.1%), with an average annual increase of 2.0%.

MOTOR VEHICLE REGISTRATIONS, Percent change—Census years 2008 and 2013



Of all states and territories, Western Australia (14.0%) and Northern Territory (17.2%) recorded the largest increases in the proportion of Passenger vehicles in their fleets from 2008 to 2013. Over the same period, the remaining states/territory have recorded decreases. The decreases in these states have been offset by increases in the proportion of Light commercial vehicles and Motor cycles.

PASSENGER VEHICLE REGISTRATIONS, Percent change—Census years 2008 and 2013

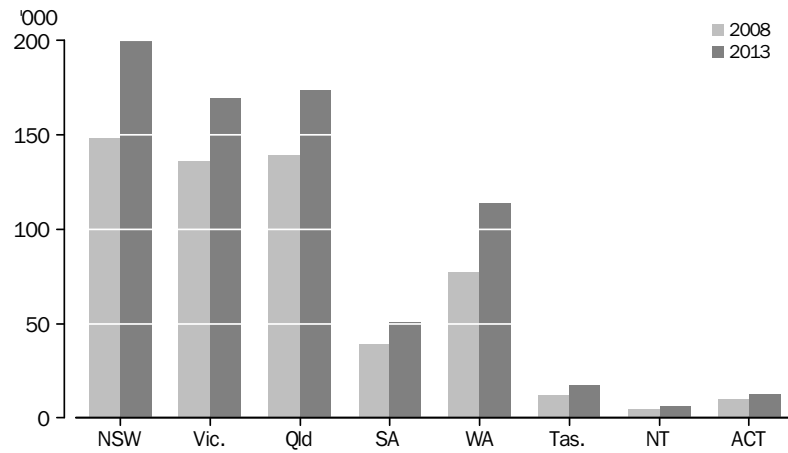


Over the five year period 2008 to 2013, Western Australia and Tasmania recorded the largest percentage increase in Motor cycle registrations (47.8% and 42.0% respectively).

SUMMARY OF FINDINGS *continued*

STATES AND TERRITORIES *continued*

MOTOR CYCLE REGISTRATIONS, State/territory of registration—Census years 2008 and 2013



Since 2008, the Northern Territory had the largest percentage growth in Light commercial vehicles (27.5%), followed by Western Australia (22.8%) and the Australian Capital Territory (22.7%). New South Wales had the smallest growth (15.9%).

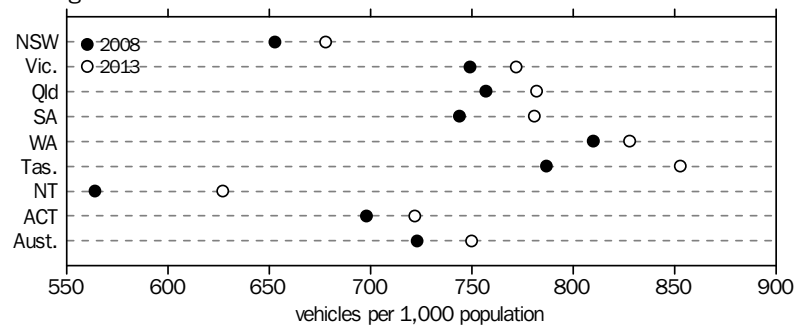
VEHICLES AND RESIDENT POPULATION

In Australia there were 750 motor vehicles per 1,000 Estimated Resident Population in the 2013 MVC. This compares with 723 vehicles per 1,000 population in 2008, an increase of 27 vehicles per 1,000 population over this time.

Tasmania had the greatest number of vehicles per 1,000 population of all states and territories in 2013 with 853, followed by Western Australia with 828 per 1,000 population. In 2008, Western Australia had the highest rate with 810 vehicles per 1,000 population, followed by Tasmania with 787 per 1,000 population.

For the 2013 MVC, the Northern Territory had the lowest number of vehicles per 1,000 population of all states and territories with 627.

MOTOR VEHICLE REGISTRATIONS BY POPULATION (a), State/territory of registration



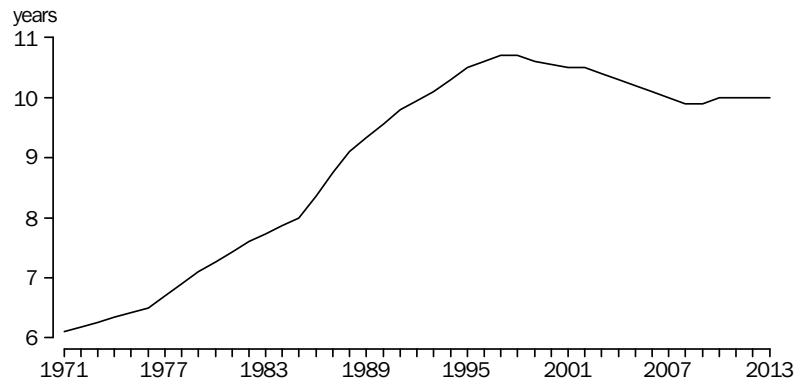
(a) Rates for 2008 are calculated using Estimated Resident Population data re-based on the 2006 Census and Motor Vehicle Census data at 31 March 2008. Rates for 2013 are calculated using Estimated Resident Population data re-based on the 2011 Census at 31 December 2012 and Motor Vehicle Census data at 31 January 2013. (Australian Demographic Statistics - 3101.0 Dec 2012)

SUMMARY OF FINDINGS *continued*

AVERAGE AGE OF REGISTERED VEHICLES

In 2013, the average age of all vehicles registered in Australia was 10.0 years for the fourth consecutive MVC. Over the five year period from 2008, Campervans and Buses recorded the largest decrease in average age (by 0.8 years and 0.1 years) respectively. Over the same period, Light commercial vehicles and Articulated trucks increased in average age by 0.8 years.

AVERAGE VEHICLE AGE (a) OF REGISTERED VEHICLES—Census years (b)



(a) For more details on the calculation of average vehicle age refer to the Glossary.
 (b) See Explanatory Notes for Motor Vehicle Census dates.

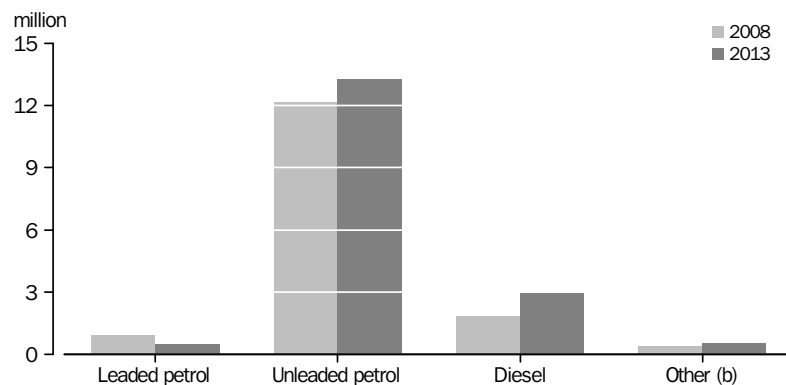
TYPE OF FUEL

Australia wide there were 13.7 million petrol powered vehicles registered in 2013 accounting for 79.9% of the total vehicle fleet.

In comparison there were 2.9 million diesel powered vehicles accounting for 17.2% of the fleet.

Over the five year period from 2008, the number of Passenger vehicles and Light Commercial vehicles registered with diesel fuel increased by 103.7% and 64.8% respectively.

MOTOR VEHICLE REGISTRATIONS, Type of fuel(a)



(a) Relates to the type of fuel recorded by the motor vehicle registry.
 (b) Other fuel types include LPG, dual fuel and electric.

MOTOR VEHICLES ON REGISTER, Type of Vehicle(a)—Census Years

	<i>New South Wales</i>	<i>Victoria</i>	<i>Queensland</i>	<i>South Australia</i>	<i>Western Australia</i>	<i>Tasmania(b)</i>	<i>Northern Territory</i>	<i>Australian Capital Territory</i>	<i>Australia</i>
	no.	no.	no.	no.	no.	no.	no.	no.	no.
PASSENGER VEHICLES									
2008	3 581 416	3 120 048	2 302 407	940 791	1 295 136	280 856	77 683	205 199	11 803 536
2012	3 803 926	3 373 564	2 489 266	1 000 132	1 432 969	303 622	87 284	223 472	12 714 235
2013	3 877 515	3 446 548	2 556 581	1 016 590	1 476 743	305 913	91 071	229 060	13 000 021
CAMPERVANS									
2008	8 845	10 165	9 874	4 040	7 396	3 813	196	461	44 790
2012	11 183	11 632	12 449	4 002	8 127	4 503	244	460	52 600
2013	11 885	11 918	12 859	3 983	8 215	4 529	248	464	54 101
LIGHT COMMERCIAL VEHICLES									
2008	621 845	511 124	585 861	153 430	283 319	78 762	31 596	22 279	2 288 216
2012	694 775	580 727	678 393	176 834	332 417	90 681	37 537	26 435	2 617 799
2013	720 854	596 530	710 842	181 792	347 820	92 196	40 292	27 347	2 717 673
LIGHT RIGID TRUCKS									
2008	35 770	22 280	27 293	5 431	11 079	2 518	674	681	105 726
2012	40 674	26 457	32 154	6 412	14 258	2 838	626	872	124 291
2013	41 929	29 411	33 424	6 645	15 322	2 898	609	909	131 147
HEAVY RIGID TRUCKS									
2008	81 811	74 760	67 748	22 335	45 248	8 088	3 478	1 716	305 184
2012	85 087	78 324	70 124	23 566	50 483	8 578	4 207	1 746	322 115
2013	85 807	78 490	71 366	23 326	52 218	8 720	4 359	1 712	325 998
ARTICULATED TRUCKS									
2008	16 735	23 690	17 940	6 914	11 111	1 591	927	224	79 132
2012	19 009	25 265	19 595	8 016	13 217	1 625	1 099	169	87 995
2013	19 505	25 560	20 720	7 988	14 226	1 563	1 181	161	90 904
NON-FREIGHT CARRYING VEHICLES									
2008	3 575	6 090	4 821	1 777	4 182	998	285	80	21 808
2012	3 111	6 183	5 358	1 908	4 719	997	341	105	22 722
2013	3 005	6 262	5 528	1 873	4 859	979	359	121	22 986
BUSES									
2008	21 657	17 398	18 148	4 693	12 098	2 404	3 217	966	80 581
2012	23 762	19 354	20 220	5 462	14 371	2 701	3 660	1 069	90 599
2013	24 210	19 509	21 026	5 529	15 133	2 744	3 810	1 073	93 034
MOTOR CYCLES									
2008	148 309	136 019	139 355	39 493	77 010	12 297	4 930	10 156	567 569
2012	188 469	164 778	164 752	48 709	107 195	16 446	6 103	12 836	709 288
2013	199 847	169 406	173 775	50 678	113 852	17 457	6 640	13 077	744 732
TOTAL MOTOR VEHICLES									
2008	4 519 963	3 921 574	3 173 447	1 178 904	1 746 579	391 327	122 986	241 762	15 296 542
2012	4 869 996	4 286 284	3 492 311	1 275 041	1 977 756	431 991	141 101	267 164	16 741 644
2013	4 984 557	4 383 634	3 606 121	1 298 404	2 048 388	436 999	148 569	273 924	17 180 596

(a) Refer to Glossary for definition of vehicle types.

(b) For 2008, excludes vehicles with registration expiry less than one month before the census date.

MOTOR VEHICLES ON REGISTER(a), Per 1000 population(b)—Census years

	<i>New South Wales</i>	<i>Victoria</i>	<i>Queensland</i>	<i>South Australia</i>	<i>Western Australia</i>	<i>Tasmania(c)</i>	<i>Northern Territory</i>	<i>Australian Capital Territory</i>	<i>Australia</i>
	no.	no.	no.	no.	no.	no.	no.	no.	no.
PASSENGER VEHICLES									
2008	518	596	549	594	601	564	356	592	558
2012	524	605	551	607	600	593	375	602	565
2013	528	607	554	612	597	597	384	603	568
CAMPERVANS									
2008	1	2	2	3	3	8	1	1	2
2012	2	2	3	2	3	9	1	1	2
2013	2	2	3	2	3	9	1	1	2
LIGHT COMMERCIAL VEHICLES									
2008	90	98	140	97	131	158	145	64	108
2012	96	104	150	107	139	177	161	71	116
2013	98	105	154	109	141	180	170	72	119
LIGHT RIGID TRUCKS									
2008	5	4	7	3	5	5	3	2	5
2012	6	5	7	4	6	6	3	2	6
2013	6	5	7	4	6	6	3	2	6
HEAVY RIGID TRUCKS									
2008	12	14	16	14	21	16	16	5	14
2012	12	14	16	14	21	17	18	5	14
2013	12	14	15	14	21	17	18	5	14
ARTICULATED TRUCKS									
2008	2	5	4	4	5	3	4	1	4
2012	3	5	4	5	6	3	5	—	4
2013	3	5	4	5	6	3	5	—	4
NON-FREIGHT CARRYING VEHICLES									
2008	1	1	1	1	2	2	1	—	1
2012	—	1	1	1	2	2	1	—	1
2013	—	1	1	1	2	2	2	—	1
BUSES									
2008	3	3	4	3	6	5	15	3	4
2012	3	3	4	3	6	5	16	3	4
2013	3	3	5	3	6	5	16	3	4
MOTOR CYCLES									
2008	21	26	33	25	36	25	23	29	27
2012	26	30	36	30	45	32	26	35	32
2013	27	30	38	30	46	34	28	34	33

— nil or rounded to zero (including null cells)

(a) Refer to Glossary for definition of vehicle types.

(b) Rates for 2008 are calculated using Estimated Resident Population data re-based on the 2006 Census and Motor Vehicle Census data at 31 March 2008. Rates for 2013 are calculated using Estimated Resident Population data re-based on the 2011 Census at 31 December 2012 and Motor Vehicle Census data at 31 January 2013 (Australian Demographic Statistics - 3101.0 Dec 2012).

(c) For 2008, excludes vehicles with registration expiry less than one month before the census date.

MOTOR VEHICLES ON REGISTER(a), Per 1000 population(b)—Census years *continued*

	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania(c)	Northern Territory	Australian Capital Territory	Australia
	no.	no.	no.	no.	no.	no.	no.	no.	no.
TOTAL MOTOR VEHICLES									
2008	653	749	757	744	810	787	564	698	723
2012	671	768	773	774	828	844	606	720	744
2013	678	772	782	781	828	853	627	722	750

(a) Refer to Glossary for definition of vehicle types.

(b) Rates for 2008 are calculated using Estimated Resident Population data re-based on the 2006 Census and Motor Vehicle Census data at 31 March 2008. Rates for 2013 are calculated using Estimated Resident Population data re-based on the 2011 Census at 31 December 2012 and Motor Vehicle Census data at 31 January 2013 (Australian Demographic Statistics - 3101.0 Dec 2012).

(c) For 2008, excludes vehicles with registration expiry less than one month before the census date.

AVERAGE AGE OF MOTOR VEHICLES(a), Type of vehicle(b)—Census years

	<i>New South Wales</i>	<i>Victoria</i>	<i>Queensland</i>	<i>South Australia</i>	<i>Western Australia</i>	<i>Tasmania(c)</i>	<i>Northern Territory</i>	<i>Australian Capital Territory</i>	<i>Australia</i>
	years	years	years	years	years	years	years	years	years
PASSENGER VEHICLES									
2008	9.1	10.1	9.3	11.0	9.7	11.4	8.6	9.4	9.7
2012	9.4	10.1	9.4	11.1	9.8	11.9	8.8	9.4	9.8
2013	9.4	10.0	9.4	11.1	9.9	12.0	8.8	9.3	9.8
CAMPERVANS									
2008	17.0	18.4	15.2	21.6	21.3	20.3	19.9	19.7	18.4
2012	16.0	17.6	14.1	21.5	21.7	20.5	19.3	19.0	17.6
2013	15.8	17.5	14.2	21.6	21.8	20.8	20.0	18.8	17.6
LIGHT COMMERCIAL VEHICLES									
2008	10.0	11.3	9.9	11.3	10.6	12.7	9.1	9.6	10.5
2012	10.5	11.7	11.3	11.7	12.4	13.7	10.2	9.6	11.3
2013	10.4	11.6	11.3	11.8	12.2	14.0	10.0	9.7	11.3
LIGHT RIGID TRUCKS									
2008	10.8	11.4	10.3	11.7	11.5	15.3	9.6	10.7	11.0
2012	10.8	11.3	10.3	11.5	10.9	15.0	11.6	10.4	10.9
2013	10.9	11.5	10.5	11.5	10.8	15.2	11.7	10.5	11.0
HEAVY RIGID TRUCKS									
2008	13.9	17.2	13.9	17.1	17.3	16.9	13.0	11.0	15.5
2012	14.4	17.0	14.0	16.8	16.9	17.4	12.9	11.0	15.6
2013	14.5	17.0	14.0	16.7	16.8	17.5	13.1	11.2	15.6
ARTICULATED TRUCKS									
2008	9.9	11.1	10.2	10.9	11.8	9.5	12.4	7.8	10.7
2012	11.2	12.0	10.9	11.4	12.0	10.3	11.9	9.4	11.5
2013	11.3	12.1	10.9	11.3	11.8	10.7	11.8	9.9	11.5
NON-FREIGHT CARRYING VEHICLES									
2008	12.4	15.5	10.7	15.2	16.1	16.0	14.1	12.8	14.0
2012	14.0	15.9	10.8	14.7	15.7	15.8	12.8	9.4	14.2
2013	14.6	16.2	10.9	14.6	15.6	16.0	13.0	8.5	14.3
BUSES									
2008	11.4	11.3	10.3	11.9	11.1	15.3	8.6	11.6	11.1
2012	11.2	11.5	10.0	11.6	10.6	14.5	8.9	11.3	10.9
2013	11.3	11.8	10.0	11.0	10.5	14.8	9.1	11.0	11.0
MOTOR CYCLES									
2008	8.5	9.1	8.3	8.3	10.1	10.1	7.0	8.6	8.8
2012	8.6	9.4	8.8	9.4	10.1	10.7	7.2	8.6	9.1
2013	8.8	9.5	8.9	9.7	10.3	11.0	7.2	8.8	9.3
TOTAL MOTOR VEHICLES									
2008	9.3	10.4	9.5	11.1	10.1	11.9	8.9	9.4	9.9
2012	9.5	10.3	9.5	11.2	10.2	12.2	9.0	9.4	10.0
2013	9.6	10.2	9.6	11.2	10.3	12.3	9.0	9.4	10.0

(a) For details on the calculation of average age refer to the Glossary.

(c) For 2008, excludes vehicles with registration expiry less than one month before the census date.

(b) Refer to Glossary for definition of vehicle types.

MOTOR VEHICLES ON REGISTER, Type of Fuel(a), by Type of Vehicle(b)—Census years

	PETROL					All fuel types
	Leaded	Unleaded	Total	Diesel	Other(c)	
	no.	no.	no.	no.	no.	
PASSENGER VEHICLES						
2008	620 228	10 384 655	11 004 883	505 340	293 313	11 803 536
2012	355 103	11 116 308	11 471 411	882 823	360 001	12 714 235
2013	320 748	11 295 277	11 616 025	1 029 561	354 435	13 000 021
CAMPERVANS						
2008	10 256	7 363	17 619	24 783	2 388	44 790
2012	7 662	9 883	17 545	32 657	2 398	52 600
2013	7 106	10 529	17 635	34 164	2 302	54 101
LIGHT COMMERCIAL VEHICLES						
2008	187 402	1 199 381	1 386 783	777 764	123 669	2 288 216
2012	113 382	1 214 746	1 328 128	1 149 899	139 772	2 617 799
2013	100 970	1 199 520	1 300 490	1 281 381	135 802	2 717 673
LIGHT RIGID TRUCKS						
2008	6 689	5 070	11 759	92 073	1 894	105 726
2012	4 392	4 819	9 211	113 193	1 887	124 291
2013	4 072	5 044	9 116	120 044	1 987	131 147
HEAVY RIGID TRUCKS						
2008	20 728	5 008	25 736	277 820	1 628	305 184
2012	14 540	4 151	18 691	301 877	1 547	322 115
2013	13 141	4 031	17 172	307 340	1 486	325 998
ARTICULATED TRUCKS						
2008	519	1 171	1 690	77 340	102	79 132
2012	371	1 047	1 418	86 413	164	87 995
2013	332	1 000	1 332	89 416	156	90 904
NON-FREIGHT CARRYING VEHICLES						
2008	2 224	1 978	4 202	16 991	615	21 808
2012	1 579	1 754	3 333	18 878	511	22 722
2013	1 432	1 727	3 159	19 338	489	22 986
BUSES						
2008	1 368	15 213	16 581	61 180	2 820	80 581
2012	745	16 919	17 664	68 763	4 172	90 599
2013	651	17 151	17 802	71 081	4 151	93 034
MOTOR CYCLES (d)						
2008	59 943	507 555	567 498	na	71	567 569
2012	49 353	659 741	709 094	na	194	709 288
2013	47 490	697 028	744 518	na	214	744 732

na not available
 (a) Type of fuel recorded by the motor registry.
 (b) Refer to Glossary for definition of vehicle types.
 (c) Other fuel types include LPG, dual fuel and electric.
 (d) Other includes diesel.

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MOTOR VEHICLES ON REGISTER, Type of Fuel(a), by Type of Vehicle(b)—Census years

continued

	PETROL.....					<i>All fuel types</i>
	<i>Leaded</i>	<i>Unleaded</i>	<i>Total</i>	<i>Diesel</i>	<i>Other(c)</i>	
	no.	no.	no.	no.	no.	
.....						
TOTAL MOTOR VEHICLES						
2008	909 357	12 127 394	13 036 751	1 833 293	426 498	15 296 542
2012	547 127	13 029 368	13 576 495	2 654 505	510 644	16 741 644
2013	495 942	13 231 307	13 727 249	2 952 327	501 020	17 180 596

- (a) Type of fuel recorded by the motor registry.
- (b) Refer to Glossary for definition of vehicle types.
- (c) Other fuel types include LPG, dual fuel and electric.

MOTOR VEHICLES ON REGISTER, Type of fuel, by State/Territory(a)—Census years

	PETROL					All fuel types
	Leaded	Unleaded	Total	Diesel	Other(b)	
	no.	no.	no.	no.	no.	
NEW SOUTH WALES						
2008	196 516	3 764 429	3 960 945	471 301	87 717	4 519 963
2012	115 736	3 954 769	4 070 505	676 449	123 042	4 869 996
2013	105 828	3 995 604	4 101 432	756 836	126 289	4 984 557
VICTORIA						
2008	264 580	3 076 660	3 341 240	371 707	208 627	3 921 574
2012	155 914	3 317 503	3 473 417	568 385	244 482	4 286 284
2013	136 399	3 376 159	3 512 558	636 694	234 382	4 383 634
QUEENSLAND						
2008	181 538	2 448 725	2 630 263	492 778	50 406	3 173 447
2012	106 029	2 630 557	2 736 586	697 605	58 120	3 492 311
2013	97 056	2 675 106	2 772 162	775 091	58 868	3 606 121
SOUTH AUSTRALIA						
2008	95 476	959 747	1 055 223	111 863	11 818	1 178 904
2012	56 335	1 039 212	1 095 547	167 585	11 909	1 275 041
2013	51 502	1 049 911	1 101 413	185 135	11 856	1 298 404
WESTERN AUSTRALIA						
2008	113 052	1 292 388	1 405 440	283 820	57 319	1 746 579
2012	77 429	1 441 510	1 518 939	397 876	60 941	1 977 756
2013	73 050	1 479 598	1 552 648	437 878	57 862	2 048 388
TASMANIA (c)						
2008	41 315	290 752	332 067	55 701	3 559	391 327
2012	26 400	324 011	350 411	77 190	4 390	431 991
2013	23 985	326 619	350 604	82 425	3 970	436 999
NORTHERN TERRITORY						
2008	4 684	84 190	88 874	32 945	1 167	122 986
2012	2 566	93 294	95 860	44 010	1 231	141 101
2013	2 234	96 645	98 879	48 453	1 237	148 569
AUSTRALIAN CAPITAL TERRITORY						
2008	12 196	210 503	222 699	13 178	5 885	241 762
2012	6 718	228 512	235 230	25 405	6 529	267 164
2013	5 888	231 665	237 553	29 815	6 556	273 924
AUSTRALIA						
2008	909 357	12 127 394	13 036 751	1 833 293	426 498	15 296 542
2012	547 127	13 029 368	13 576 495	2 654 505	510 644	16 741 644
2013	495 942	13 231 307	13 727 249	2 952 327	501 020	17 180 596

(a) Relates to the type of fuel recorded by the motor vehicle registry.

(b) Other fuel types include LPG, dual fuel and electric.

(c) In 2008, excludes vehicles with registration expiry less than one month before the census date.

PASSENGER VEHICLES ON REGISTER, Top 30 Makes—Census years

	2008	2012	2013(a)	Change 08/13	Change 12/13
	no.	no.	no.	%	%
Toyota	2 294 975	2 542 272	2 606 749	13.6	2.5
Holden	2 078 183	2 051 493	2 027 034	-2.5	-1.2
Ford	1 795 371	1 606 938	1 555 842	-13.3	-3.2
Mitsubishi	965 240	906 784	887 685	-8.0	-2.1
Mazda	615 369	808 718	873 804	42.0	8.0
Hyundai	596 078	735 907	787 486	32.1	7.0
Nissan	743 760	748 649	766 238	3.0	2.3
Honda	505 698	603 402	624 139	23.4	3.4
Subaru	390 512	495 584	522 540	33.8	5.4
Volkswagen	149 187	255 487	295 192	97.9	15.5
BMW	209 652	263 195	278 139	32.7	5.7
Mercedes					
Benz	197 290	235 510	251 450	27.5	6.8
Suzuki	166 687	223 961	238 842	43.3	6.6
Kia	141 445	210 264	233 425	65.0	11.0
Audi	53 064	94 424	107 176	102.0	13.5
Jeep	62 230	78 226	93 919	50.9	20.1
Peugeot	73 456	85 291	87 772	19.5	2.9
Volvo	76 087	76 129	77 695	2.1	2.1
Lexus	49 804	70 348	75 754	52.1	7.7
Daewoo	121 143	83 879	71 645	-40.9	-14.6
Daihatsu	116 952	79 057	69 530	-40.5	-12.1
Land Rover	60 798	65 920	64 553	6.2	-2.1
Chrysler	44 911	42 510	41 913	-6.7	-1.4
Saab	42 065	35 107	32 553	-22.6	-7.3
Renault	21 799	26 960	29 513	35.4	9.5
Jaguar	26 329	26 328	26 389	0.2	0.2
Porsche	19 435	23 169	24 418	25.6	5.4
Citroen	18 649	22 571	23 406	25.5	3.7
Alfa Romeo	22 532	23 062	22 928	1.8	-0.6
Range Rover	13 571	14 213	20 223	49.0	42.3
Other	131 264	178 877	182 069	38.7	1.8
Total	11 803 536	12 714 235	13 000 021	10.1	2.2

(a) See Technical Note Count of Passenger vehicles by make.

RIGID TRUCKS ON REGISTER, Gross Vehicle Mass (GVM)—Census years

GVM (TONNES)						
	4.5 and under	Over 4.5 to 8	Over 8 to 12	Over 12 to 20	Greater than 20	Total
NEW SOUTH WALES						
2008	35 770	21 866	24 924	15 252	19 769	117 581
2012	40 674	21 070	26 763	15 096	22 158	125 761
2013	41 929	21 062	26 926	15 112	22 707	127 736
VICTORIA						
2008	22 280	18 671	22 280	15 534	18 275	97 040
2012	26 457	18 645	22 869	15 773	21 037	104 781
2013	29 411	18 331	22 745	15 689	21 725	107 901
QUEENSLAND						
2008	27 293	14 330	18 625	16 092	18 701	95 041
2012	32 154	14 194	19 448	15 844	20 638	102 278
2013	33 424	14 257	19 527	16 004	21 578	104 790
SOUTH AUSTRALIA						
2008	5 431	5 172	6 854	4 805	5 504	27 766
2012	6 412	5 048	6 962	4 993	6 563	29 978
2013	6 645	4 972	6 904	4 873	6 577	29 971
WESTERN AUSTRALIA						
2008	11 079	11 062	11 106	10 651	12 429	56 327
2012	14 258	12 289	12 084	11 094	15 016	64 741
2013	15 322	12 690	12 315	11 328	15 885	67 540
TASMANIA (a)						
2008	2 518	2 447	1 953	1 583	2 105	10 606
2012	2 838	2 749	2 173	1 506	2 150	11 416
2013	2 898	2 695	2 209	1 581	2 235	11 618
NORTHERN TERRITORY						
2008	674	1 255	834	733	656	4 152
2012	626	1 448	1 045	792	922	4 833
2013	609	1 452	1 095	826	986	4 968
AUSTRALIAN CAPITAL TERRITORY						
2008	681	447	528	299	442	2 397
2012	872	426	546	299	475	2 618
2013	909	424	523	297	468	2 621
AUSTRALIA						
2008	105 726	75 250	87 104	64 949	77 881	410 910
2012	124 291	75 869	91 890	65 397	88 959	446 406
2013	131 147	75 883	92 244	65 710	92 161	457 145

(a) In 2008, excludes vehicles with registration expiry less than one month before the census date.

GCM (TONNES)						
	Over 3 to 20	Over 20 to 40	Over 40 to 60	Over 60 to 100	Greater than 100	Total
NEW SOUTH WALES						
2008	56	1 199	5 931	8 996	553	16 735
2012	40	1 096	6 007	11 121	745	19 009
2013	49	1 059	5 875	11 636	886	19 505
VICTORIA						
2008	385	3 103	8 496	11 699	7	23 690
2012	402	2 542	9 006	13 310	5	25 265
2013	417	2 409	8 767	13 963	4	25 560
QUEENSLAND						
2008	52	1 285	5 473	8 618	2 512	17 940
2012	42	1 053	5 106	10 024	3 370	19 595
2013	42	1 006	5 150	10 723	3 799	20 720
SOUTH AUSTRALIA						
2008	28	564	3 200	2 689	433	6 914
2012	25	490	3 553	3 267	681	8 016
2013	23	450	3 404	3 339	772	7 988
WESTERN AUSTRALIA						
2008	74	1 221	9 644	136	36	11 111
2012	75	1 029	11 916	171	26	13 217
2013	66	971	12 952	210	27	14 226
TASMANIA (a)(b)						
2008	na	na	na	na	na	1 591
2012	313	58	440	814	—	1 625
2013	na	338	465	760	na	1 563
NORTHERN TERRITORY						
2008	2	33	134	204	554	927
2012	5	31	127	242	694	1 099
2013	5	26	132	248	770	1 181
AUSTRALIAN CAPITAL TERRITORY (b)						
2008	—	13	109	101	1	224
2012	2	12	65	89	1	169
2013	na	15	60	86	na	161
AUSTRALIA						
2008	598	7 507	33 501	33 428	4 098	79 132
2012	904	6 311	36 220	39 038	5 522	87 995
2013	885	5 991	36 805	40 963	6 260	90 904

— nil or rounded to zero (including null cells)

na not available due to data quality/confidentiality but included in totals where applicable.

(a) In 2008, excludes vehicles with registration expiry less than a month before the census date.

(b) In 2013, Over 20 to 40 includes Over 3 to 20 and Over 60 to 100 includes

MOTOR VEHICLES ON REGISTER, Type of vehicle(a)—Year of manufacture

	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania(b)	Northern Territory	Australian Capital Territory	Australia
	no.	no.	no.	no.	no.	no.	no.	no.	no.
PASSENGER VEHICLES									
To 1997(c)	670 731	694 263	472 181	258 230	287 798	91 042	14 845	38 034	2 527 124
1998–2002	860 835	766 297	523 725	230 680	291 289	68 625	18 007	50 887	2 810 345
2003–2007	1 133 528	947 269	764 422	275 454	448 956	77 788	25 795	69 364	3 742 576
2008–2013(d)	1 212 421	1 038 719	796 253	252 226	448 700	68 458	32 424	70 775	3 919 976
Total	3 877 515	3 446 548	2 556 581	1 016 590	1 476 743	305 913	91 071	229 060	13 000 021
CAMPERVANS									
To 1997(c)	5 115	5 693	5 220	2 628	5 166	2 844	154	251	27 071
1998–2002	2 273	1 262	1 514	487	960	522	36	60	7 114
2003–2007	2 334	1 791	2 549	469	1 382	716	35	92	9 368
2008–2013(d)	2 163	3 172	3 576	399	707	447	23	61	10 548
Total	11 885	11 918	12 859	3 983	8 215	4 529	248	464	54 101
LIGHT COMMERCIAL VEHICLES									
To 1997(c)	157 725	145 763	157 267	47 408	83 205	32 973	7 252	4 989	636 582
1998–2002	134 933	110 169	115 727	33 290	51 687	16 764	6 426	4 679	473 675
2003–2007	194 568	160 196	202 288	48 092	98 125	22 305	11 800	7 856	745 230
2008–2013(d)	233 628	180 402	235 560	53 002	114 803	20 154	14 814	9 823	862 186
Total	720 854	596 530	710 842	181 792	347 820	92 196	40 292	27 347	2 717 673
LIGHT RIGID TRUCKS									
To 1997(c)	10 696	7 521	8 012	1 747	3 925	1 182	178	198	33 459
1998–2002	7 813	4 961	5 519	1 103	2 033	526	156	148	22 259
2003–2007	11 056	8 359	10 148	1 861	4 354	651	189	299	36 917
2008–2013(d)	12 364	8 570	9 745	1 934	5 010	539	86	264	38 512
Total	41 929	29 411	33 424	6 645	15 322	2 898	609	909	131 147
HEAVY RIGID TRUCKS									
To 1997(c)	34 543	37 683	27 760	11 302	25 037	4 672	1 637	471	143 105
1998–2002	14 010	11 180	9 838	3 113	5 736	1 043	680	285	45 885
2003–2007	21 002	15 924	18 730	4 864	10 670	1 672	1 045	524	74 431
2008–2013(d)	16 252	13 703	15 038	4 047	10 775	1 333	997	432	62 577
Total	85 807	78 490	71 366	23 326	52 218	8 720	4 359	1 712	325 998
ARTICULATED TRUCKS									
To 1997(c)	5 195	7 703	5 265	2 258	4 064	363	368	31	25 247
1998–2002	2 962	3 670	3 026	1 229	2 130	250	190	29	13 486
2003–2007	6 218	7 637	6 726	2 357	4 534	596	321	72	28 461
2008–2013(d)	5 130	6 550	5 703	2 144	3 498	354	302	29	23 710
Total	19 505	25 560	20 720	7 988	14 226	1 563	1 181	161	90 904
NON-FREIGHT CARRYING VEHICLES									
To 1997(c)	1 095	2 894	1 439	834	1 989	444	128	21	8 844
1998–2002	644	1 069	850	261	729	136	62	14	3 765
2003–2007	866	1 309	1 546	349	1 115	253	72	26	5 536
2008–2013(d)	400	990	1 693	429	1 026	146	97	60	4 841
Total	3 005	6 262	5 528	1 873	4 859	979	359	121	22 986

(a) Refer to Glossary for definition of vehicle types.

(c) Includes not stated year of manufacture.

(b) Prior to 2009, excludes vehicles with registration expiry less than one month before the census date.

(d) For 2013, only includes vehicles manufactured in the first month.

MOTOR VEHICLES ON REGISTER, Type of vehicle(a)—Year of manufacture *continued*

	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania (b)	Northern Territory	Australian Capital Territory	Australia
	no.	no.	no.	no.	no.	no.	no.	no.	no.
BUSES									
To 1997(c)	7 508	6 276	5 278	1 707	4 302	1 346	805	368	27 590
1998–2002	4 706	3 986	3 492	971	2 424	396	639	119	16 733
2003–2007	5 036	4 197	5 456	1 143	3 095	470	871	219	20 487
2008–2013(d)	6 960	5 050	6 800	1 708	5 312	532	1 495	367	28 224
Total	24 210	19 509	21 026	5 529	15 133	2 744	3 810	1 073	93 034
MOTOR CYCLES									
To 1997(c)	31 855	30 737	30 856	10 706	23 923	4 123	745	2 071	135 016
1998–2002	27 675	28 279	22 600	6 579	12 367	2 749	690	1 916	102 855
2003–2007	58 457	49 016	56 799	14 934	32 479	5 035	1 918	3 920	222 558
2008–2013(d)	81 860	61 374	63 520	18 459	45 083	5 550	3 287	5 170	284 303
Total	199 847	169 406	173 775	50 678	113 852	17 457	6 640	13 077	744 732
TOTAL MOTOR VEHICLES									
To 1997(c)	924 463	938 533	713 278	336 820	439 409	138 989	26 112	46 434	3 564 038
1998–2002	1 055 851	930 873	686 291	277 713	369 355	91 011	26 886	58 137	3 496 117
2003–2007	1 433 065	1 195 698	1 068 664	349 523	604 710	109 486	42 046	82 372	4 885 564
2008–2013(d)	1 571 178	1 318 530	1 137 888	334 348	634 914	97 513	53 525	86 981	5 234 877
Total	4 984 557	4 383 634	3 606 121	1 298 404	2 048 388	436 999	148 569	273 924	17 180 596

(a) Refer to Glossary for definition of vehicle types.

(c) Includes not stated year of manufacture.

(b) Prior to 2009, excludes vehicles with registration expiry less than one month before the census date.

(d) For 2013, only includes vehicles manufactured in the first month.

EXPLANATORY NOTES

MOTOR VEHICLE CENSUS

1 This publication presents statistics relating to vehicles which were registered with a motor vehicle registration authority at 31 January 2013.

2 Motor Vehicle Censuses (MVC) have been conducted periodically from 1971 on each of the following dates:

2013, 31 January	1999, 31 October
2012, 31 January	1998, 31 October
2011, 31 January	1997, 31 October
2010, 31 March	1996, 31 October
2009, 31 March	1995, 30 May
2008, 31 March	1993, 30 June
2007, 31 March	1991, 30 September
2006, 31 March	1988, 30 September
2005, 31 March	1985, 30 September
2004, 31 March	1982, 30 September
2003, 31 March	1979, 30 September
2002, 31 March	1976, 30 September
2001, 31 March	1971, 30 September

SCOPE AND COVERAGE

3 The 2013 MVC includes all motor vehicles that are registered with an Australian state or territory motor vehicle authority for unrestricted use on public roads as at the census date, 31 January.

4 The scope of the MVC excludes:

- recreational vehicles such as trail bikes, quad bikes, and sand dune buggies intended for off-road use;
- veteran and vintage vehicles registered for restricted use only;
- consular vehicles; and
- vehicles registered by the defence forces.

5 Data provided to the ABS includes road-registered caravans, trailers, tractors, plant and equipment. These particular vehicle types are out of scope and hence are not included in the Motor Vehicle Census publication.

6 Coverage currently extends to data collected by all eight Australian states and territories.

7 Vehicles whose registration has lapsed up to 30 days prior to the MVC snapshot date are deemed to be in scope. This is because payments may be processed by motor vehicle registries within this time and the vehicle treated as being continuously registered.

8 In Victoria and Queensland, recreational vehicles such as trail bikes, quad bikes, and sand dune buggies are required to be registered. These are included in the MVC as these vehicles are not able to be discretely identified and removed. In these states, trail bikes are included in motor cycles while other off-road vehicles could be included in various vehicle types depending on how the MVR coded the body type.

9 Veteran and vintage vehicles with restricted use are included in the count of registered vehicles for New South Wales as there are no distinguishing identifiers in the data supplied by the MVR to enable them to be extracted from the count. Where possible, data on most Victorian veteran and vintage vehicles are excluded from the files loaded by the ABS.

10 Motor vehicle registration statistics are derived from data made available by various state and territory motor vehicle registration authorities and reflect the information as recorded in registration documents.

EXPLANATORY NOTES *continued*

ATTRITION

11 The estimated proportion of motor vehicles, excluding motor cycles, taken off the register since the previous MVC is referred to as the attrition rate. The attrition rates in the following table have been calculated using Motor Vehicle Census and New Motor Vehicle Sales data. Motor cycles are excluded from the attrition rate calculation as they are not included in New Motor Vehicle Sales data.

ESTIMATED ATTRITION (a), State/territory—Census years

	BETWEEN 2008 AND 2009		BETWEEN 2009 AND 2010		BETWEEN 2010 AND 2011		BETWEEN 2011 AND 2012		BETWEEN 2012 AND 2013	
	no.	%	no.	%	no.	%	no.	%	no.	%
NSW	256 868	5.5	197 826	4.2	171 296	3.6	230 825	4.7	240 228	4.8
Vic.	176 676	4.4	165 499	4.0	152 483	3.6	184 384	4.3	203 361	4.6
Qld	105 556	3.3	135 271	4.1	127 418	3.8	130 856	3.8	131 452	3.7
SA	36 588	3.0	35 204	2.9	33 639	2.7	50 430	3.9	47 901	3.7
WA	38 675	2.2	68 840	3.7	61 357	3.3	53 003	2.8	65 214	3.3
Tas.	10 111	2.5	9 661	2.4	7 927	1.9	4 880	1.2	13 379	3.1
NT	4 761	3.7	4 034	3.0	6 042	4.4	6 263	4.4	4 596	3.1
ACT	11 073	4.5	9 206	3.7	8 567	3.4	8 232	3.1	11 040	4.1
Aust.	640 308	4.1	625 541	3.9	568 729	3.5	668 873	4.0	717 171	4.2

(a) These estimates exclude motor cycles. For more details on calculation of attrition rate refer to Glossary.

METHODOLOGY

12 The 2013 Motor Vehicle Census is a count of all in-scope vehicles registered with a state or territory motor vehicle registration authority (MVR) at 31 January 2013. All records are compared to previous MVC data for vehicles that match (on-going registrations) and details are updated for these vehicles where applicable.

13 The unmatched records (new vehicle registrations) undergo editing of individual data items. The editing of on-going registrations is limited as these records have been edited in previous years. Aggregate data is checked across time, states and vehicle types to ensure coherency.

DATA QUALITY

14 The primary use of the MVC is as a frame for the Survey of Motor Vehicle Use (SMVU). Editing of the data is designed to maximise data quality to the level required for the SMVU. The size of the fleet (over 17 million vehicles) dictates that quality assurance of each record is not possible. Therefore, while the data are made available at a detailed level, the ABS is unable to guarantee that it is necessarily sufficient for all purposes for which it may be used. There is also some variation in the reporting from different state and territory registries and care should be taken when comparing data across jurisdictions.

15 The information provided to the ABS and included in the estimates for any month may be revised or corrected in later months. Where corrections are made to original data they will be identified by the annotation (r) revised.

EXPLANATORY NOTES *continued*

STATISTICAL GEOGRAPHY

16 Geographic data available from the MVC are postcode of owner and state or territory of registration.

17 If analysis of regional data based on postcodes is being undertaken, the following considerations need to be taken into account:

- there are some instances where the postcode of the vehicle's owner is in a different state or territory from that in which the vehicle is registered. For example, the postcode of the owner of the vehicle could be in Sydney, yet the vehicle could be registered in Queensland;
- some official postcodes (PO boxes, competition postcodes) do not correspond to residential areas;
- some postcodes could be invalid.

ACKNOWLEDGEMENT

18 This publication draws extensively on information provided freely by the state and territory motor vehicle registration authorities. Their continued cooperation is very much appreciated. Without it, many of the transport statistics published by the ABS would not be available.

RELATED PUBLICATIONS AND PRODUCTS

19 Users may also wish to refer to the following publications and products which contain information relating to motor vehicles in Australia:

- Sales of New Motor Vehicles, Australia, (Electronic Publication) (cat. no. 9314.0) (issued monthly)
- Survey of Motor Vehicle Use, Australia (cat. no. 9208.0)

ABS DATA AVAILABLE ON REQUEST

20 As well as the statistics included in this publication, the ABS has other relevant data available on request. Inquiries should be made to the National Information and Referral Service on 1300 135 070.

TECHNICAL NOTE COUNTS OF PASSENGER VEHICLES BY MAKE

INTRODUCTION

1 Significant improvements were made during the 2013 MVC to the translation of Motor Vehicle Registry (MVR) makes and models.

ISSUE

2 MVRs use different means of coding vehicle makes and models. The ABS uses a system to translate these to consistent make and model identifiers. This translation has been significantly improved since the 2012 MVC, in particular for vehicles which had previously been translated as "Unknown Models" of their respective make. Data for previously unknown models has been recoded using an improved translation. As a result, there has been a substantial increase in specificity for make and model and a commensurate decrease in the number of "unknown models".

IMPACT

3 The majority of impacts have been at the model level. There has been minimal impact on counts for makes. However there are some differences in 2012 counts by make compared with those counts published in the 2012 MVC.

4 There has been a more substantial impact for Range Rover and Land Rover makes. The old translation led to the majority of Range Rover models being recorded as "Land Rover Unknown Models". The update has led to more accurate coding to the relevant Range Rover model. As a result there is now an apparent reduction in the number of Land Rovers and a significant (42.3%) increase in the number of Range Rovers. This increase moves Range Rover into the top 30 Passenger Vehicle makes.

GLOSSARY

Articulated trucks	Motor vehicles constructed primarily for load carrying, consisting of a prime mover having no significant load carrying area, but with a turntable device which can be linked to one or more trailers.
Attrition rate	<p>The estimated proportion of motor vehicles taken off the register since the previous MVC. The attrition rate is also referred to as the motor vehicle retirement or scrappage rate. The number of registration lapses is calculated by adding the total registrations at the earlier MVC to the number of new motor vehicle sales between the MVCs, and subtracting the total registrations at the later MVC. The attrition rate measures the number of registration lapses as a percentage of the total potential vehicle fleet, where the potential vehicle fleet is the number of registrations at the first MVC date plus the number of new motor vehicle sales between the two MVCs. To calculate the annualised attrition rate as a percentage apply the following formula:</p> $\left[1 - \left\{T_2 / (T_1 + N_1)\right\}^{12/M}\right] \times 100$ <p>where T₁ is the number of registrations at the first time point, N₁ is the number of new sales between the first and second time points, T₂ is the number of registrations at the second time point and M is the number of months between the two time points.</p>
Average age of vehicle	<p>The estimated average age of registered motor vehicles in Australia. The age of a vehicle is defined as the number of years since it was first manufactured. The formulae below allow for the census being conducted in different months. Although the Motor Vehicle Census has been taken on different dates, it has always been taken on the last day of the month. These formulae also assume that vehicles are manufactured at a constant rate over the year, or one month period for the current year.</p> <p>For vehicles manufactured in the current year: Vehicle age = snapshot month/24</p> <p>For vehicles manufactured in previous years: Vehicle age = snapshot year - Year of manufacture + (snapshot month - 6)/12</p> <p>The average age is then calculated as the sum of all vehicle ages divided by the total number of vehicles. Vehicles that have an unknown year of manufacture are excluded from calculations of average age.</p>
Average annual growth rate	<p>A measure of the percentage change in a variable between one time period and another at an annual rate. This measure allows for the compounding of an increase or decrease over time. Thus an annual percentage increase of 10.0% results in a figure increasing by 21.0% over two years. The formula for calculating average annual growth is :</p> $\left[(T_2/T_1)^{(12/M)} - 1\right] \times 100$ <p>where T₁ is the value of the data item at the first time point, T₂ is the value at the second time point, and M is the number of months between the two time points. The change to snapshot date must be taken into consideration when comparing data before and after the 2011 Motor Vehicle Census (March 31 snapshot date before 2011; January 31 snapshot date for 2011 onwards).</p>
Buses	Motor vehicles constructed for the carriage of passengers. This category includes all motor vehicles with 10 or more seats, including the driver's seat.
Campervans	Self-propelled motor vehicles containing an area primarily used for accommodation. This includes motor homes and powered caravans.

GLOSSARY *continued*

Estimated Resident Population (ERP)	The official measure of the population of Australia is based on the concept of residence. It refers to all people, regardless of nationality or citizenship, who usually live in Australia, with the exception of foreign diplomatic personnel and their families. It includes usual residents who are overseas for less than 12 months. It excludes overseas visitors who are in Australia less than 12 months.
Fuel	The type of fuel is as reported to the registering authority and includes leaded petrol, unleaded petrol, diesel, LPG/other gases, dual fuel and other (which includes electric).
Gross Combination Mass (GCM)	Tare weight (i.e. unladen weight) of the motor vehicle and attached trailers, plus its maximum carrying and towing capacity. GCM is the weight measurement used for vehicles such as articulated trucks used for towing trailers.
Gross Vehicle Mass (GVM)	Tare weight (i.e. unladen weight) of the motor vehicle, plus its maximum carrying capacity excluding trailers.
Heavy rigid trucks	Rigid trucks of GVM greater than 4.5 tonnes.
Light commercial vehicles	Vehicles primarily constructed for the carriage of goods, and which are less than or equal to 3.5 tonnes GVM. This includes utilities, panel vans, cab-chassis and forward-control load carrying vehicles (whether four-wheel drive or not).
Light rigid trucks	Rigid trucks of GVM greater than 3.5 tonnes and less than or equal to 4.5 tonnes.
Make	The manufacturer of the motor vehicle (e.g. Ford, Holden, Mitsubishi, Toyota).
Motor cycles	Two and three wheeled motor vehicles constructed primarily for the carriage of one or two persons. This category includes two and three wheeled mopeds, scooters, motor tricycles and motor cycles with sidecars.
Non-freight carrying vehicles	Specialist motor vehicles or motor vehicles fitted with special purpose equipment, and having little or no load carrying capacity (e.g. ambulances, cherry pickers, fire trucks and tow trucks).
Passenger vehicles	Motor vehicles constructed primarily for the carriage of persons and containing up to nine seats (including the driver's seat). This category includes cars, station wagons, four-wheel drive passenger vehicles and forward-control passenger vehicles. Campervans are excluded.
Rigid trucks	Motor vehicles of GVM greater than 3.5 tonnes, constructed with a load carrying area. This includes trucks with a tow bar, draw bar or other non-articulated coupling on the rear of the vehicle. Rigid trucks are divided into two categories: <ul style="list-style-type: none">■ Light rigid trucks of GVM greater than 3.5 tonnes and less than or equal to 4.5 tonnes■ Heavy rigid trucks of GVM greater than 4.5 tonnes.
State/territory	The state or territory of the motor registry at which a vehicle is registered.

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