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Department of Infrastructure, Transport,
Regional Development, Communications and the Arts

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July 2024

Bureau of Infrastructure and Transport
Research Economics

Road Vehicles, Australia
January 2024

Department of Infrastructure, Transport, Regional
Development, Communications and the Arts

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Bureau of Infrastructure and Transport Research Economics (BITRE)
Department of Infrastructure, Transport, Regional Development, Communications and the Arts
GPO Box 501, Canberra ACT 2601, Australia
Telephone: (international) +61 2 6274 7210
Email: bitre@infrastructure.gov.au
Website: www.bitre.gov.au

Foreword

This report presents aggregate estimates of all road vehicles registered for road use in Australia on 31 January 2024. The estimates have been derived from state and territory vehicle registry data as recorded on the National Exchange of Vehicle and Driver Information System (NEVDIS), on 31 January 2024.

This is the third issue of BITRE's annual statistical release, which replaces the Australian Bureau of Statistics' (ABS) Motor Vehicle Census (MVC), discontinued in 2021. This release includes revisions to BITRE's 2021, 2022 and 2023 estimates due to further improvements and updates to BITRE's RVA data processing system. The revisions have resulted in a slight reduction in the total number of registered road vehicles, as a result of identification of additional construction and agriculture related vehicles and equipment (i.e. wheel loaders, tractors, all-terrain vehicles, etc.) among registered vehicles. The revisions have also resulted in some movement of vehicles between vehicle types – the impacts of these revisions are outlined in the Explanatory Notes. (BITRE will also re-issue previous releases with updated estimates.)

More detailed estimates, by make-model, registered postcode, year of manufacture and other selected vehicle characteristics, are available from data.gov.au.

This report was prepared by David Mitchell and Weihua Chen. BITRE gratefully acknowledges the assistance of the following Austroads' staff in arranging and providing the raw NEVDIS data: Jerson Cruz, Steve Hayes, Denis Mestrovic and Asher Woodward.

Marcia Keegan
A/g Head of Bureau
Bureau of Infrastructure and Transport Research Economics
July 2024

Contents

Foreword.....	iii
Summary	I
Introduction	3
Registered vehicles by state and territory	4
Registered motor vehicles by vehicle type	6
Registered motor vehicles per capita.....	7
Average vehicle age by state/territory and vehicle type	9
Registered motor vehicles by motive power type.....	11
Age distribution by state/territory and vehicle type.....	14
Top passenger vehicle makes.....	17
Top electric vehicle makes	19
Rigid trucks by gross vehicle mass (GVM)	21
Articulated trucks by gross combination mass (GCM).....	23
Caravans by tare weight.....	25
Trailers by type	27
Plant and equipment by tare weight	29
Explanatory notes	31
Glossary	35
References	38

Summary

- There were 21.74 million registered motorised road vehicles on 31 January 2024 – an increase of approximately 2.7 per cent over January 2023.
- There were a further 4.7 million caravans, trailers and plant and equipment (e.g. construction equipment, tractors and other agricultural equipment, all-terrain vehicles, forklifts, golf buggies, etc.) not included in the estimate of total registered motorised road vehicles.
- New South Wales, Victoria and Queensland have the highest number of vehicle registrations, and together account for over 76 per cent of all registered motor vehicles.
- The number of registered vehicles increased across every state and territory. Western Australia and Queensland experienced the largest proportionate increases in vehicle registrations between 2023 and 2024 – by 3.75 and 3.40 per cent, respectively.
- Toyota remained the largest passenger vehicle make for the 19th consecutive year, with approximately 3.16 million registered vehicles. (Toyota is also the largest light commercial vehicle (LCV) make, with around 1.24 million registered LCVs.)
- Petrol-powered vehicles accounted for around 67.3 per cent of registered motor vehicles on 31 January 2024, down from 68.7 per cent in 2023. Diesel-powered vehicles accounted for 29.0 per cent of the fleet at end of January 2024, up from 28.3 per cent in January 2023.
- There were approximately 167,850 registered battery and fuel-cell electric vehicles (BEVs and FCEVs) on 31 January 2024, an increase of 112 per cent on January 2023. These figures include around 159,460 battery and fuel-cell electric passenger cars, approximately 1.0 per cent of all registered passenger vehicles in 2024, and an increase of 121 per cent over 2023.
- There were approximately 481,400 registered hybrid electric vehicles (HEVs) on 31 January 2024, an increase of 32 per cent over the end of January 2023. Hybrid electric passenger vehicles on register numbered 479,290 on 31 January 2024, accounting for approximately 3.0 per cent of all registered passenger vehicles.
- The average age of vehicles across Australia increased from around 11.25 years in 2023 to around 11.40 years in 2024. The average age of passenger vehicles increased from around 11.0 years in 2023 to 11.18 years in 2024.
- There were approximately 630,000 registered rigid trucks on 31 January 2024, 6.4 per cent up on January 2023. Light rigid trucks (between 3.5 and 4.5 tonnes gross vehicle mass) are the fastest growing vehicle type, up 13.7 per cent between 2023 and 2024. There were also approximately 124,300 registered articulated trucks on 31 January 2024, 3.3 per cent up on January 2023.
- There were 803,740 registered caravans on 31 January 2024, up approximately 5.0 per cent on January 2023. And there were approximately 3.66 million registered trailers on 31 January 2024, an increase of approximately 1.3 per cent on January 2023.

Introduction

This report presents Bureau of Infrastructure and Transport Research Economics' (BITRE) estimates of the number of registered motor vehicles in Australia on 31 January 2024. It is the third issue of BITRE's annual statistical release, and replaces the Australian Bureau of Statistics' (ABS) Motor Vehicle Census (MVC), discontinued in 2021.

This report provides aggregate estimates of the number of vehicles on register by state and territory, vehicle type, fuel type, vehicle make and vehicle age. The report also includes estimates of registered battery electric vehicles (BEVs), fuel-cell electric vehicles (FCEVs) and hybrid electric vehicles (HEVs) in the fleet.

In addition to this report, aggregate estimates of the number of vehicles on register are available in a spreadsheet file, similar in format to the previous ABS MVC Data Cubes (ABS 2022), on the BITRE website. More detailed extracts are available on data.gov.au or can be provided on request.

Vehicles attributes available in BITRE's processed data set include:

- State/territory of registration
- Postcode of registration and vehicle garaging postcode
- Suburb of registration and vehicle garaging suburb¹
- Vehicle type
- Make-model
- Year of manufacture
- Fuel type
- Number of cylinders
- Engine capacity
- Seating capacity
- Tare weight
- Gross vehicle mass/gross combination mass
- National Heavy Vehicle charge code
- Industry (ANZSIC Sub-division, for company-registered vehicles)

1. Encoded to ABS (2021) Australian Statistics Geography Standard Suburbs and Localities (SAL) area boundaries.

Registered vehicles by state and territory

Figure 1 shows total motor vehicle registrations by state and territory of registration, on 31 January 2024, 31 January 2023, and 31 January 2022. Table 1 shows total motor vehicle registrations by state and territory of registration and by vehicle type.

- There were 21.74 million registered motor vehicles as at 31 January 2024 - an increase of approximately 2.7 per cent since the end of January 2023.
- The number of registered vehicles increased across every state and territory between 2023 and 2024.
 - Western Australia and Queensland recorded the largest proportionate increases in motor vehicle registrations, by 3.75 per cent and 3.40 per cent, respectively.
 - The Northern Territory vehicle fleet grew slowest, by approximately 1.6 per cent between 31 January 2023 and 31 January 2024.
- New South Wales, Victoria and Queensland have the highest number of motor vehicle registrations, and together accounted for over 76 per cent of all registered motor vehicles on 31 January 2024.
- There were a further 4.7 million trailers, caravans, campers and plant and equipment (e.g. construction equipment, agricultural tractors and equipment, all-terrain vehicles, forklifts, golf buggies) not included in total registered motor vehicles.

Figure 1 Total registered motor vehicles, by state/territory, 2022, 2023 and 2024



Sources: BITRE estimates.

Table 1 Total registered motor vehicles, by vehicle type and state/territory of registration, 2022, 2023 and 2024

Year	New South Wales (vehicles)	Victoria (vehicles)	Queensland (vehicles)	South Australia (vehicles)	Western Australia (vehicles)	Tasmania (vehicles)	Northern Territory (vehicles)	Australian Capital Territory (vehicles)	Australia (vehicles)
Passenger vehicles									
2022	4,479,340	4,000,138	3,044,416	1,143,377	1,671,564	346,638	98,214	266,841	15,050,528
2023	4,537,272	4,071,171	3,120,553	1,165,023	1,708,017	352,494	98,570	272,239	15,325,339
2024	4,627,706	4,162,325	3,214,758	1,193,637	1,767,625	356,472	99,453	277,876	15,699,852
Campervans									
2022	30,064	22,779	25,745	3,456	1,925	5,729	96	779	90,573
2023	31,297	24,222	26,848	3,673	1,958	5,857	110	846	94,811
2024	32,088	24,805	28,171	3,801	1,939	5,885	121	891	97,701
Light commercial vehicles									
2022	1,029,014	842,658	988,778	255,221	455,138	126,766	49,436	37,941	3,784,952
2023	1,063,842	873,216	1,031,137	265,135	477,300	131,238	50,322	39,279	3,931,469
2024	1,098,468	900,444	1,074,690	276,916	499,284	134,984	51,503	40,076	4,076,365
Light rigid trucks									
2022	62,388	45,479	42,071	10,212	17,667	4,248	1,744	1,668	185,477
2023	67,820	50,136	47,219	11,347	20,037	4,609	1,935	1,871	204,974
2024	75,090	55,655	55,065	13,360	24,394	5,182	2,349	2,005	233,100
Heavy rigid trucks									
2022	106,143	90,883	79,502	25,834	57,713	10,356	4,847	1,756	377,034
2023	108,213	92,895	82,463	26,219	60,221	10,615	4,897	1,780	387,303
2024	110,418	94,582	85,324	26,639	62,179	10,869	5,080	1,803	396,894
Articulated trucks									
2022	26,794	32,635	25,067	9,817	17,658	2,205	1,285	189	115,650
2023	27,625	33,793	26,047	10,313	18,771	2,269	1,320	191	120,329
2024	28,049	34,927	26,958	10,532	19,886	2,378	1,372	194	124,296
Non-freight-carrying vehicles									
2022	6,714	10,916	6,389	3,780	7,069	1,033	391	167	36,459
2023	6,853	11,283	6,459	3,891	7,474	1,088	391	172	37,611
2024	6,831	11,783	6,594	3,977	7,660	1,077	391	182	38,495
Light buses									
2022	11,979	10,386	12,029	2,967	8,355	1,367	1,758	444	49,285
2023	12,422	10,549	12,474	3,147	8,716	1,431	1,804	425	50,968
2024	12,828	10,531	12,799	3,307	9,008	1,453	1,873	418	52,217
Heavy buses									
2022	14,277	9,759	9,160	3,231	6,688	1,595	845	627	46,182
2023	14,444	9,945	9,473	3,239	6,981	1,640	897	620	47,239
2024	14,529	10,085	9,699	3,222	7,040	1,663	900	622	47,760
Motorcycles									
2022	281,575	202,501	228,870	61,872	125,453	20,496	5,924	13,765	940,456
2023	284,995	206,967	234,274	62,970	127,768	20,916	5,813	13,990	957,693
2024	289,690	209,583	238,511	62,264	129,640	21,177	5,634	13,787	970,286
Total motor vehicles									
2022	6,048,288	5,268,134	4,462,027	1,519,767	2,369,230	520,433	164,540	324,177	20,676,596
2023	6,154,783	5,384,177	4,596,947	1,554,957	2,437,243	532,157	166,059	331,413	21,157,736
2024	6,295,697	5,514,720	4,752,569	1,597,655	2,528,655	541,140	168,676	337,854	21,736,966

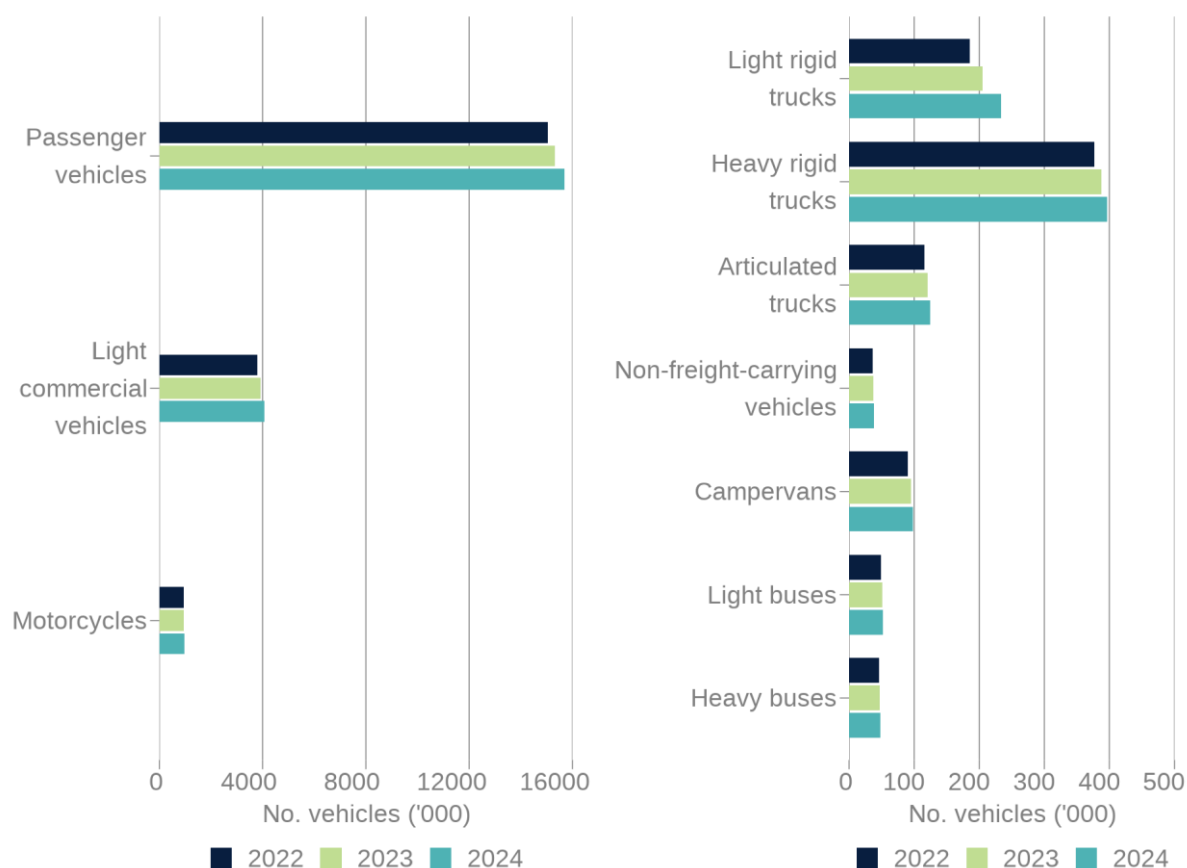
Sources: BITRE estimates.

Registered motor vehicles by vehicle type

Figure 2 shows total motor vehicle registrations by vehicle type on 31 January 2024, 31 January 2023, and 31 January 2022.

- Passenger vehicles remain the largest vehicle type on register, with 15.7 million registered vehicles on 31 January 2024, an increase of 2.4 per cent over the number of registered passenger vehicles on 31 January 2023.
- Passenger vehicles comprised 72.2 per cent of all registered motor vehicles on 31 January 2024, down slightly from 72.4 per cent in 2023.
- Light commercial vehicles comprise the second-largest vehicle type on register, with 4.08 million vehicles (18.8 per cent of the fleet) on 31 January 2024, up 3.7 per cent over the end of January 2023.

Figure 2 Total registered motor vehicles, by vehicle type, 2022, 2023 and 2024



Sources: BITRE estimates.

Registered motor vehicles per capita

Figure 3 shows total motor vehicle registrations per 1000 persons, by state and territory of registration, on 31 January 2024, 31 January 2023, and 31 January 2022. Table 2 shows total motor vehicle registrations per 1000 persons, by state and territory of registration and by vehicle type.²

- Between 31 January 2023 and 31 January 2024, the number of registered passenger vehicles per capita decreased slightly across the whole of Australia from 582.4 to 582.2 vehicles per 1000 persons.
- South Australia and Tasmania experienced the largest proportionate increase in per capita registered passenger vehicles between 2023 and 2024, increasing by 0.8 per cent (to 639.6 vehicles per 1000 persons) and 0.7 per cent (to 620.3 vehicles per 1000 persons), respectively.
- New South Wales, Victoria and the Northern Territory all experienced a decline in per capita passenger vehicle registrations between 2023 and 2024.
- Light commercial vehicle and light rigid truck per capita registrations increased across all jurisdictions.

Figure 3 Total registered motor vehicles per capita, by state/territory of registration, 2022, 2023 and 2024



Sources: BITRE estimates.

2. Per capita vehicle registrations are calculated as total registrations divided by the latest available ABS Estimated Resident Population (ERP) on 31 December of the calendar year prior to the NEVDIS vehicle snapshot date. The latest available ERP estimates (ABS 2024) include revised ERP estimates for December 2021 and 2022, which impact the January 2022 and 2023 per capita vehicle estimates.

Table 2 Total registered motor vehicles per capita, by vehicle type and state/territory of registration, 2022, 2023 and 2024

Year	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Northern Territory	Australian Capital Territory	Australia
(vehicles / '000 persons)									
Passenger vehicles									
2022	552.9	609.2	578.7	633.2	605.0	609.6	395.8	589.5	584.0
2023	550.0	605.9	579.3	634.5	602.7	615.9	392.3	590.4	582.4
2024	548.6	602.7	581.5	639.6	603.7	620.3	392.1	590.9	582.2
Campervans									
2022	3.7	3.5	4.9	1.9	0.7	10.1	0.4	1.7	3.5
2023	3.8	3.6	5.0	2.0	0.7	10.2	0.4	1.8	3.6
2024	3.8	3.6	5.1	2.0	0.7	10.2	0.5	1.9	3.6
Light commercial vehicles									
2022	127.0	128.3	187.9	141.3	164.7	222.9	199.2	83.8	146.9
2023	129.0	130.0	191.4	144.4	168.4	229.3	200.3	85.2	149.4
2024	130.2	130.4	194.4	148.4	170.5	234.9	203.1	85.2	151.2
Light rigid trucks									
2022	7.7	6.9	8.0	5.7	6.4	7.5	7.0	3.7	7.2
2023	8.2	7.5	8.8	6.2	7.1	8.1	7.7	4.1	7.8
2024	8.9	8.1	10.0	7.2	8.3	9.0	9.3	4.3	8.6
Heavy rigid trucks									
2022	13.1	13.8	15.1	14.3	20.9	18.2	19.5	3.9	14.6
2023	13.1	13.8	15.3	14.3	21.2	18.5	19.5	3.9	14.7
2024	13.1	13.7	15.4	14.3	21.2	18.9	20.0	3.8	14.7
Articulated trucks									
2022	3.3	5.0	4.8	5.4	6.4	3.9	5.2	0.4	4.5
2023	3.3	5.0	4.8	5.6	6.6	4.0	5.3	0.4	4.6
2024	3.3	5.1	4.9	5.6	6.8	4.1	5.4	0.4	4.6
Non-freight-carrying vehicles									
2022	0.8	1.7	1.2	2.1	2.6	1.8	1.6	0.4	1.4
2023	0.8	1.7	1.2	2.1	2.6	1.9	1.6	0.4	1.4
2024	0.8	1.7	1.2	2.1	2.6	1.9	1.5	0.4	1.4
Light buses									
2022	1.5	1.6	2.3	1.6	3.0	2.4	7.1	1.0	1.9
2023	1.5	1.6	2.3	1.7	3.1	2.5	7.2	0.9	1.9
2024	1.5	1.5	2.3	1.8	3.1	2.5	7.4	0.9	1.9
Heavy buses									
2022	1.8	1.5	1.7	1.8	2.4	2.8	3.4	1.4	1.8
2023	1.8	1.5	1.8	1.8	2.5	2.9	3.6	1.3	1.8
2024	1.7	1.5	1.8	1.7	2.4	2.9	3.5	1.3	1.8
Motorcycles									
2022	34.8	30.8	43.5	34.3	45.4	36.0	23.9	30.4	36.5
2023	34.5	30.8	43.5	34.3	45.1	36.5	23.1	30.3	36.4
2024	34.3	30.3	43.1	33.4	44.3	36.8	22.2	29.3	36.0
Total motor vehicles									
2022	746.6	802.3	848.1	841.6	857.5	915.2	663.1	716.1	802.3
2023	746.1	801.3	853.4	846.9	860.0	929.8	660.9	718.7	804.0
2024	746.4	798.5	859.7	856.0	863.6	941.6	665.0	718.5	806.1

Note: Per capita vehicle registrations are calculated as total registrations divided by the latest available ABS Estimated Resident Population (ERP) on 31 December of the calendar year prior to the NEVDIS vehicle snapshot date. The latest available ERP estimates (ABS 2024) include revised ERP estimates for December 2021 and 2022, which impact the January 2022 and 2023 per capita vehicle estimates.

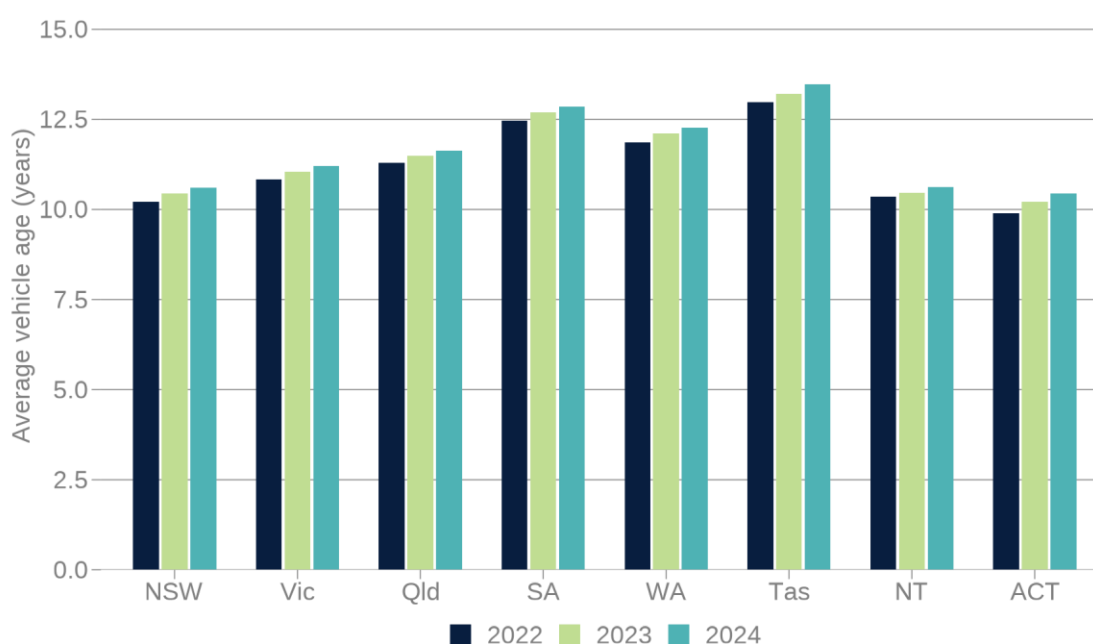
Sources: ABS (2024) and BITRE estimates.

Average vehicle age by state/territory and vehicle type

Figure 4 shows average vehicle age of the registered motor vehicle fleet, by state and territory of registration, at 31 January 2024, 31 January 2023, and 31 January 2022. Table 3 shows average vehicle age across all registered motor vehicles, by state and territory of registration and by vehicle type.

- The average age across all registered motor vehicles in Australia increased from around 11.25 years in 2023 to around 11.4 years in 2024.
- The average age of vehicles increased across all jurisdictions between 2023 and 2024.
- The Tasmanian registered vehicle fleet is the oldest with an average age of 13.5 years.
- The Australian Capital Territory registered vehicle fleet is the youngest with an average age of 10.4 years.
- The average age of registered passenger vehicles across Australia increased from around 11.0 years in 2023 to around 11.2 years in 2024. The average age of registered LCVs across Australia increased from around 11.3 years in 2023 to around 11.4 years in 2024.

Figure 4 Average vehicle age, by state/territory of registration, 2022, 2023 and 2024



Sources: BITRE estimates.

Table 3 Average vehicle age of registered motor vehicles, by vehicle type and state/territory of registration, 2022, 2023 and 2024

Year	New South Wales (years)	Victoria (years)	Queensland (years)	South Australia (years)	Western Australia (years)	Tasmania (years)	Northern Territory (years)	Australian Capital Territory (years)	Australia (years)
Passenger vehicles									
2022	10.03	10.57	10.99	12.37	11.41	12.43	10.12	9.80	10.75
2023	10.27	10.81	11.21	12.64	11.70	12.70	10.25	10.12	11.00
2024	10.45	10.98	11.38	12.83	11.89	12.96	10.44	10.35	11.18
Campervans									
2022	15.50	16.41	17.12	17.35	22.55	22.54	17.00	17.52	16.87
2023	15.61	16.38	17.31	17.73	22.96	22.75	16.30	17.92	16.98
2024	15.79	16.44	17.20	18.18	23.46	23.05	16.19	17.43	17.06
Light commercial vehicles									
2022	10.30	11.08	11.34	11.98	11.79	13.53	10.23	9.73	11.14
2023	10.46	11.21	11.51	12.10	11.87	13.71	10.33	9.95	11.28
2024	10.59	11.32	11.64	12.20	11.96	13.92	10.46	10.23	11.41
Light rigid trucks									
2022	10.17	9.68	11.79	10.94	11.41	13.97	12.80	8.78	10.68
2023	9.94	9.45	11.19	10.54	10.91	13.54	12.12	8.81	10.33
2024	9.54	9.09	10.28	9.77	9.80	12.80	10.32	8.63	9.72
Heavy rigid trucks									
2022	14.85	16.58	15.42	18.79	18.57	18.39	14.63	11.65	16.31
2023	14.84	16.51	15.39	18.63	18.50	18.62	14.75	11.92	16.27
2024	14.86	16.51	15.27	18.42	18.48	18.93	14.89	11.99	16.25
Articulated trucks									
2022	12.00	12.52	12.18	13.03	13.53	12.05	13.32	11.74	12.52
2023	11.85	12.52	12.18	13.15	13.58	12.40	13.53	12.44	12.52
2024	11.71	12.50	12.14	13.11	13.56	12.44	13.52	12.33	12.47
Non-freight-carrying vehicles									
2022	12.39	14.21	13.00	12.52	15.02	15.71	13.82	11.36	13.67
2023	12.58	14.13	13.14	12.48	14.75	15.62	13.93	11.47	13.66
2024	12.95	14.11	13.32	12.36	14.77	16.21	14.01	11.41	13.76
Light buses									
2022	10.45	12.00	11.66	11.82	11.50	13.58	8.87	11.01	11.37
2023	10.83	12.33	11.74	11.91	11.68	13.83	9.01	11.16	11.60
2024	11.10	12.80	11.89	12.02	11.81	14.57	9.02	11.55	11.84
Heavy buses									
2022	12.41	12.70	12.40	14.02	12.23	15.54	12.45	10.88	12.64
2023	12.77	12.86	12.66	14.17	12.11	15.73	13.09	11.69	12.86
2024	13.01	12.92	12.96	14.43	12.04	16.00	12.99	11.77	13.02
Motorcycles									
2022	10.27	11.48	12.63	13.40	14.74	12.74	10.05	11.58	11.98
2023	10.50	11.70	12.91	13.71	15.15	13.07	10.27	11.96	12.26
2024	10.69	11.91	13.12	14.18	15.59	13.49	10.40	12.24	12.51
Total motor vehicles									
2022	10.22	10.84	11.29	12.46	11.87	12.97	10.35	9.89	11.03
2023	10.44	11.05	11.49	12.70	12.11	13.21	10.47	10.21	11.25
2024	10.60	11.20	11.63	12.86	12.27	13.47	10.62	10.44	11.40

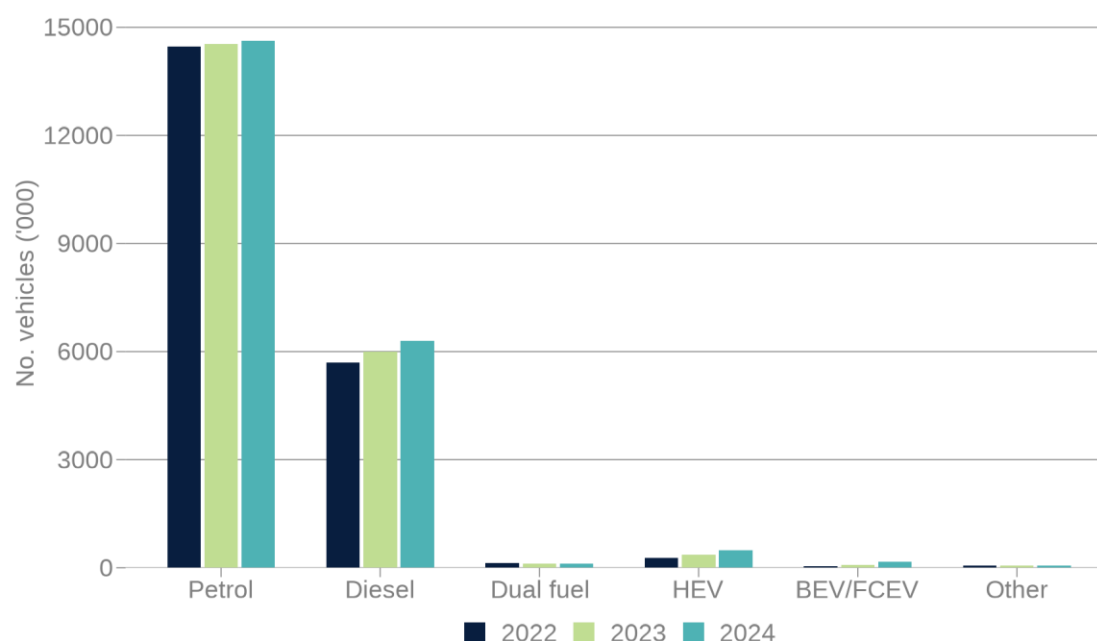
Sources: BITRE estimates.

Registered motor vehicles by motive power type

Figure 5 shows the total number of vehicles on register by motive power type on 31 January 2024, 31 January 2023, and 31 January 2022. Tables 4 and 5 show the number of vehicles on register by motive power type and vehicle type, and motive power type and state/territory of registration, respectively, on 31 January 2024, 31 January 2023, and 31 January 2022

- There were approximately 14.62 million registered petrol-fuelled motor vehicles on 31 January 2024, up 0.6 per cent on 2023. Petrol-fuelled motor vehicles comprised around 67.3 per cent of the fleet at end January 2024, down from 68.7 per cent in January 2023.
- Diesel-fuelled vehicles on register numbered approximately 6.30 million on 31 January 2024, an increase of 5.1 per cent over 31 January 2023. Diesel-fuelled motor vehicles accounted for 29.0 per cent of the fleet on 31 January 2024, up from 28.3 per cent in 2023.
- Hybrid electric vehicles (HEV) numbered approximately 481,400 vehicles on 31 January 2024, an increase of around 32 per cent over 2023.
- Battery electric vehicles (BEV) and fuel-cell electric vehicles (FCEV) on register increased from approximately 79,100 vehicles on 31 January 2023 to approximately 167,850 vehicles on 31 January 2024, an increase of approximately 112 per cent.
 - BEV and FCEV passenger vehicles increased from around 72,230 vehicles on 31 January 2023 to around 159,460 vehicles on 31 January 2024, an increase of 121 per cent.

Figure 5 Total registered vehicles, by motive power type, 2022, 2023 and 2024



Sources: BITRE estimates.

Table 4 Registered motor vehicles, by motive power type and vehicle type, 2022, 2023 and 2024^a

Year	Petrol (vehicles)	Diesel (vehicles)	Dual fuel (vehicles)	HEV (vehicles)	BEV/FCEV (vehicles)	Other (vehicles)	Total (vehicles)
Passenger vehicles							
2022	12,507,092	2,111,010	87,974	276,453	33,777	34,222	15,050,528
2023	12,577,849	2,200,911	80,040	362,798	72,231	31,510	15,325,339
2024	12,672,447	2,286,015	73,892	479,289	159,458	28,751	15,699,852
Campervans							
2022	38,977	50,433	945	90	4	124	90,573
2023	39,808	53,900	884	101	5	113	94,811
2024	39,098	57,563	812	112	5	111	97,701
Light commercial vehicles							
2022	960,958	2,754,094	39,573	270	291	29,766	3,784,952
2023	940,411	2,925,511	36,094	821	434	28,198	3,931,469
2024	916,608	3,098,706	32,455	1,464	688	26,444	4,076,365
Light rigid trucks							
2022	4,086	180,845	449	37	13	47	185,477
2023	4,312	200,122	418	54	21	47	204,974
2024	4,996	227,268	406	180	203	47	233,100
Heavy rigid trucks							
2022	10,946	364,763	855	88	51	331	377,034
2023	10,410	375,582	808	139	89	275	387,303
2024	9,934	385,440	791	282	197	250	396,894
Articulated trucks							
2022	935	114,557	128	3	3	24	115,650
2023	931	119,218	147	3	3	27	120,329
2024	932	123,178	139	3	13	31	124,296
Non-freight-carrying vehicles							
2022	2,350	33,630	208	14	66	191	36,459
2023	2,437	34,681	207	14	73	199	37,611
2024	2,506	35,435	215	18	97	224	38,495
Light buses							
2022	12,429	35,557	1,240	0	5	54	49,285
2023	12,076	37,644	1,190	0	11	47	50,968
2024	11,691	39,328	1,125	0	22	51	52,217
Heavy buses							
2022	952	43,841	108	13	115	1,153	46,182
2023	918	44,892	109	24	213	1,083	47,239
2024	872	45,380	110	24	368	1,006	47,760
Motorcycles^b							
2022	935,869	6	75	17	4,429	60	940,456
2023	951,538	3	65	17	6,009	61	957,693
2024	963,341	5	60	16	6,793	71	970,286
Total motor vehicles							
2022	14,474,594	5,688,736	131,555	276,985	38,754	65,972	20,676,596
2023	14,540,690	5,992,464	119,962	363,971	79,089	61,560	21,157,736
2024	14,622,425	6,298,318	110,005	481,388	167,845	56,985	21,736,966

a. Some values have been perturbed to preserve confidentiality.

b. Previous releases reported approximately 700 diesel-fuelled motorcycles. Further investigation revealed the majority of these vehicles were previously inadequately identified Kawasaki construction equipment (removed) and gasoline-fuelled motorcycle models.

Notes: HEV – Hybrid electric vehicles, BEV / FCEV – Battery-electric and Fuel-cell electric vehicles. Other includes LPG- and NG-only powered vehicles as well as vehicles where motive power was not specified.

Sources: BITRE estimates.

Table 5 Registered motor vehicles, by motive power type and state/territory of registration, 2022, 2023 and 2024

Year	Petrol (vehicles)	Diesel (vehicles)	Dual fuel (vehicles)	HEV (vehicles)	BEV/FCEV (vehicles)	Other (vehicles)	Total (vehicles)
New South Wales							
2022	4,350,198	1,561,362	16,495	96,324	11,962	11,947	6,048,288
2023	4,342,258	1,636,471	14,795	125,605	24,868	10,786	6,154,783
2024	4,345,746	1,711,147	12,857	163,801	52,572	9,574	6,295,697
Victoria							
2022	3,759,621	1,326,730	71,158	63,945	9,856	36,824	5,268,134
2023	3,785,212	1,394,553	65,246	84,140	20,228	34,798	5,384,177
2024	3,807,124	1,457,447	60,957	113,783	42,745	32,664	5,514,720
Queensland							
2022	2,978,063	1,399,041	18,140	54,296	8,201	4,286	4,462,027
2023	3,007,636	1,479,436	16,421	72,752	16,737	3,965	4,596,947
2024	3,036,988	1,564,408	14,802	96,412	36,313	3,646	4,752,569
South Australia							
2022	1,107,020	380,540	4,795	20,667	1,933	4,812	1,519,767
2023	1,112,977	402,051	4,567	26,975	3,875	4,512	1,554,957
2024	1,119,744	426,241	4,307	34,704	8,430	4,229	1,597,655
Western Australia							
2022	1,583,862	729,018	19,495	27,579	4,191	5,085	2,369,230
2023	1,595,101	775,136	17,613	36,343	8,330	4,720	2,437,243
2024	1,618,740	822,722	15,952	49,650	17,269	4,322	2,528,655
Tasmania							
2022	355,140	157,518	181	4,460	862	2,272	520,433
2023	356,591	165,779	187	5,884	1,620	2,096	532,157
2024	355,326	172,868	179	7,557	3,288	1,922	541,140
Northern Territory							
2022	91,968	69,936	365	2,091	139	41	164,540
2023	90,557	72,020	320	2,895	227	40	166,059
2024	89,160	74,948	288	3,700	542	38	168,676
Australian Capital Territory							
2022	248,722	64,591	926	7,623	1,610	705	324,177
2023	250,358	67,018	813	9,378	3,203	643	331,413
2024	249,597	68,537	663	11,781	6,686	590	337,854
Australia							
2022	14,474,594	5,688,736	131,555	276,985	38,754	65,972	20,676,596
2023	14,540,690	5,992,464	119,962	363,972	79,088	61,560	21,157,736
2024	14,622,425	6,298,318	110,005	481,388	167,845	56,985	21,736,966

Notes: HEV – Hybrid electric vehicles, BEV/FCEV– Battery-electric and Fuel-cell electric vehicles. Other includes LPG- and NG-only powered vehicles as well as vehicles where motive power was not specified.

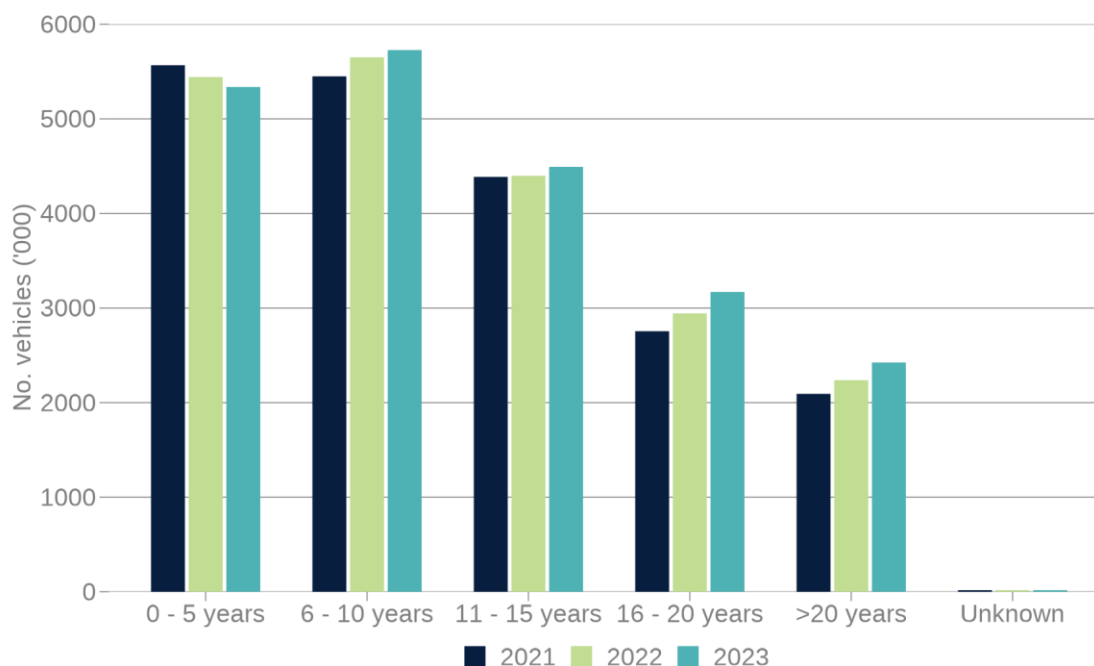
Sources: BITRE estimates.

Age distribution by state/territory and vehicle type

Figure 6 shows the number of registered motor vehicles by age distribution on 31 January 2024. Table 6 lists the number of registered motor vehicles by age distribution, state and territory, and vehicle type on 31 January 2024.

- Across all registered motor vehicles:
 - Vehicles manufactured between 2019 and 2024 (0-5 years) comprised 24.8 per cent of the fleet.
 - Vehicles manufactured between 2014 and 2018 (5-10 years) comprised 26.4 per cent of the fleet.
 - Vehicles manufactured prior to 2003 (>20 years) comprised 12.3 per cent of the fleet.
- Across all registered passenger vehicles:
 - Vehicles manufactured between 2019 and 2024 (0-5 years) comprised 24.1 per cent of the fleet.
 - Vehicles manufactured between 2014 and 2018 (5-10 years) comprised 27.3 per cent of the fleet.
 - Vehicle manufactured prior to 2003 (>20 years) comprised 10.9 per cent of the fleet.

Figure 6 Registered motor vehicles, by age group, 2022, 2023 and 2024



Sources: BITRE estimates.

Table 6 Registered motor vehicles, by type of vehicle, year of manufacture and state/territory of registration, 2024

Year of Manufacture	New South Wales (vehicles)	Victoria (vehicles)	Queensland (vehicles)	South Australia (vehicles)	Western Australia (vehicles)	Tasmania (vehicles)	Northern Territory (vehicles)	Australian Capital Territory (vehicles)	Australia (vehicles)
Passenger vehicles									
2019 – 2024	1,204,594	978,825	792,086	245,859	394,653	69,271	27,308	71,383	3,783,979
2014 – 2018	1,333,669	1,172,076	855,839	291,463	439,068	81,285	26,880	82,566	4,282,846
2009 – 2013	1,002,775	942,289	713,666	261,902	424,452	76,238	21,984	64,223	3,507,529
2004 – 2008	658,426	628,440	496,208	204,068	305,929	66,728	14,257	37,402	2,411,458
To 2003	428,178	440,602	356,492	190,334	203,520	62,950	9,021	22,295	1,713,392
Not stated	64	93	467	11	3	0	3	7	648
Total	4,627,706	4,162,325	3,214,758	1,193,637	1,767,625	356,472	99,453	277,876	15,699,852
Campervans									
2019 – 2024	4,791	4,129	4,220	405	16	469	15	116	14,161
2014 – 2018	4,620	3,209	3,874	545	86	594	19	114	13,061
2009 – 2013	5,290	3,420	3,473	449	140	611	13	150	13,546
2004 – 2008	8,705	6,700	6,242	1,002	701	1,039	35	241	24,665
To 2003	8,682	7,347	10,362	1,400	996	3,172	39	270	32,268
Not stated	0	0	0	0	0	0	0	0	0
Total	32,088	24,805	28,171	3,801	1,939	5,885	121	891	97,701
Light commercial vehicles									
2019 – 2024	323,145	253,629	285,642	72,440	131,780	27,807	15,051	11,996	1,121,490
2014 – 2018	298,495	231,094	265,164	66,225	115,253	28,569	13,684	11,737	1,030,221
2009 – 2013	204,102	166,095	209,089	52,212	99,890	24,456	10,096	7,511	773,451
2004 – 2008	138,835	120,713	162,410	39,501	76,904	22,377	7,216	4,718	572,674
To 2003	133,843	128,823	152,198	46,520	75,457	31,775	5,456	4,111	578,183
Not stated	48	90	187	18	0	0	0	3	346
Total	1,098,468	900,444	1,074,690	276,916	499,284	134,984	51,503	40,076	4,076,365
Light rigid trucks									
2019 – 2024	28,706	22,186	21,591	5,265	9,807	1,679	949	848	91,031
2014 – 2018	18,500	13,657	10,906	2,934	4,417	948	395	522	52,279
2009 – 2013	9,755	7,259	6,515	1,718	3,453	611	318	229	29,858
2004 – 2008	9,055	7,164	7,938	1,917	3,795	810	326	226	31,231
To 2003	9,071	5,389	8,115	1,526	2,922	1,134	361	180	28,698
Not stated	3	0	0	0	0	0	0	0	3
Total	75,090	55,655	55,065	13,360	24,394	5,182	2,349	2,005	233,100
Heavy rigid trucks									
2019 – 2024	22,462	18,425	18,395	5,123	10,427	1,616	897	481	77,826
2014 – 2018	22,096	17,400	15,421	4,393	7,906	1,607	884	416	70,123
2009 – 2013	16,932	13,695	12,755	3,529	10,555	1,362	937	312	60,077
2004 – 2008	20,135	16,151	15,590	4,273	11,056	1,912	1,073	308	70,498
To 2003	28,760	28,902	23,140	9,318	22,235	4,372	1,289	286	118,302
Not stated	33	9	23	3	0	0	0	0	68
Total	110,418	94,582	85,324	26,639	62,179	10,869	5,080	1,803	396,894
Articulated trucks									
2019 – 2024	7,916	10,430	8,069	2,764	4,513	570	267	34	34,563
2014 – 2018	6,529	7,643	5,630	2,126	3,760	628	256	47	26,619
2009 – 2013	4,623	4,861	4,331	1,764	3,784	322	301	41	20,027
2004 – 2008	4,402	4,978	4,119	1,751	3,776	430	279	48	19,783
To 2003	4,579	7,012	4,809	2,127	4,053	428	269	24	23,301
Not stated	0	3	0	0	0	0	0	0	3
Total	28,049	34,927	26,958	10,532	19,886	2,378	1,372	194	124,296

(continued)

Table 6 Registered motor vehicles, by type of vehicle, year of manufacture and state/territory of registration, 2024 (continued)

Year of Manufacture	New South Wales (vehicles)	Victoria (vehicles)	Queensland (vehicles)	South Australia (vehicles)	Western Australia (vehicles)	Tasmania (vehicles)	Northern Territory (vehicles)	Australian Capital Territory (vehicles)	Australia (vehicles)
Non-freight-carrying vehicles									
2019 – 2024	1,723	2,852	1,445	1,229	1,830	253	85	46	9,463
2014 – 2018	1,557	2,490	1,568	914	1,390	125	78	44	8,166
2009 – 2013	1,146	1,886	1,264	576	1,481	180	63	43	6,639
2004 – 2008	1,126	1,693	1,109	546	1,255	173	75	35	6,012
To 2003	1,276	2,822	1,208	709	1,704	346	90	14	8,169
Not stated	3	40	0	3	0	0	0	0	46
Total	6,831	11,783	6,594	3,977	7,660	1,077	391	182	38,495
Light buses									
2019 – 2024	2,923	1,877	3,161	908	2,493	275	662	113	12,412
2014 – 2018	3,268	2,709	2,982	753	1,801	290	454	109	12,366
2009 – 2013	2,976	2,382	2,442	530	2,025	254	395	68	11,072
2004 – 2008	2,478	1,839	2,350	533	1,378	248	277	72	9,175
To 2003	1,183	1,724	1,864	583	1,311	386	85	56	7,192
Not stated	0	0	0	0	0	0	0	0	0
Total	12,828	10,531	12,799	3,307	9,008	1,453	1,873	418	52,217
Heavy buses									
2019 – 2024	2,369	2,071	1,848	537	1,949	272	169	106	9,321
2014 – 2018	3,354	2,245	1,745	546	1,535	205	193	187	10,010
2009 – 2013	3,701	2,065	2,795	918	1,636	396	225	173	11,909
2004 – 2008	2,469	1,801	2,026	494	793	285	171	93	8,132
To 2003	2,636	1,903	1,285	727	1,127	505	142	63	8,388
Not stated	0	0	0	0	0	0	0	0	0
Total	14,529	10,085	9,699	3,222	7,040	1,663	900	622	47,760
Motorcycles									
2019 – 2024	87,624	52,105	58,727	14,530	23,982	4,224	2,072	3,696	246,960
2014 – 2018	75,102	47,761	56,048	13,457	24,319	4,731	1,353	3,489	226,260
2009 – 2013	52,405	35,632	43,891	10,989	28,848	4,202	971	2,573	179,511
2004 – 2008	40,906	34,139	40,220	10,459	24,577	4,173	679	2,054	157,207
To 2003	33,647	31,106	39,614	11,779	27,914	3,847	559	1,975	150,441
Not stated	6	8,840	11	1,050	0	0	0	0	9,907
Total	289,690	209,583	238,511	62,264	129,640	21,177	5,634	13,787	970,286
Total motor vehicles									
2019 – 2024	1,686,253	1,346,529	1,195,184	349,060	581,450	106,436	47,475	88,819	5,401,206
2014 – 2018	1,767,190	1,500,284	1,219,177	383,356	599,535	118,982	44,196	99,231	5,731,951
2009 – 2013	1,303,705	1,179,584	1,000,221	334,587	576,264	108,632	35,303	75,323	4,613,619
2004 – 2008	886,537	823,618	738,212	264,544	430,164	98,175	24,388	45,197	3,310,835
To 2003	651,855	655,630	599,087	265,023	341,239	108,915	17,311	29,274	2,668,334
Not stated	157	9,075	688	1,085	3	0	3	10	11,021
Total	6,295,697	5,514,720	4,752,569	1,597,655	2,528,655	541,140	168,676	337,854	21,736,966

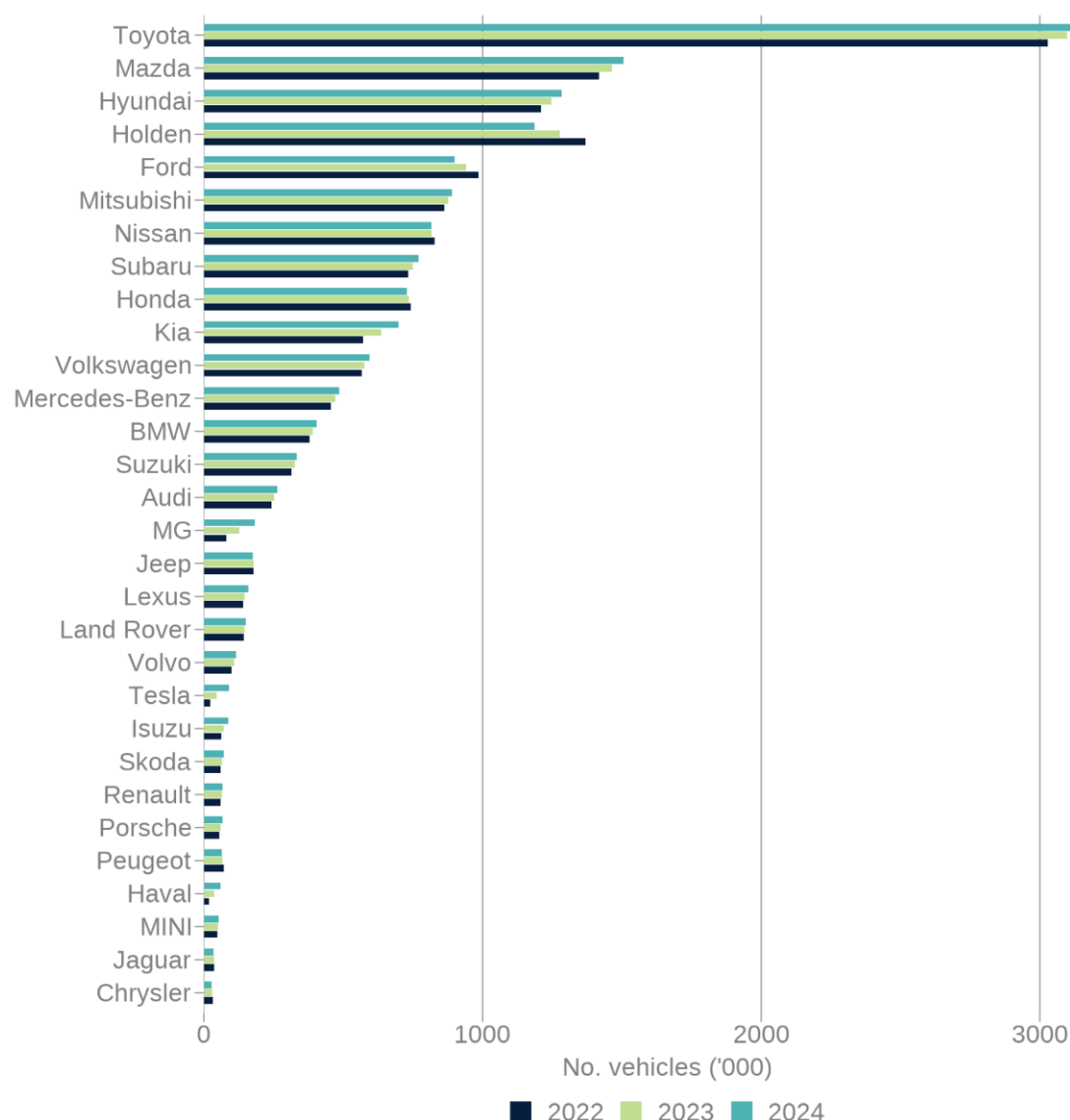
Sources: BITRE estimates.

Top passenger vehicle makes

Figure 7 shows the total number of passenger vehicles by vehicle make, for the top 30 registered passenger vehicle makes on 31 January 2024, and comparison with the number of registered passenger vehicles on 31 January 2023 and 31 January 2022. Table 7 lists the total number of passenger vehicles by make.

- Toyota remained the largest passenger vehicle make for the 19th consecutive year, with approximately 3.16 million registrations.
- Tesla experienced the largest proportionate increase in vehicle registrations among the top 30 makes, with around 43,700 additional passenger vehicles on register on 31 January 2024 relative to the previous year, a 96 per cent increase over January 2023.

Figure 7 Registered passenger vehicles by make, top 30 makes, 2022, 2023 and 2024



Sources: BITRE estimates.

Table 7 Registered passenger vehicles by vehicle make, top 30 makes, 2022, 2023 and 2024

Make	Rank change	2024	2023	2022
		(vehicles)		
Toyota		3,161,779	3,097,326	3,029,092
Mazda		1,506,751	1,463,533	1,417,177
Hyundai	↑	1,284,161	1,246,865	1,210,052
Holden	↓	1,186,098	1,277,008	1,369,528
Ford		900,461	940,215	984,789
Mitsubishi		890,593	876,241	862,407
Nissan		817,122	815,860	827,654
Subaru		771,165	748,533	733,405
Honda		727,910	735,138	742,710
Kia		697,249	636,774	570,674
Volkswagen		594,290	576,412	567,013
Mercedes-Benz		484,627	472,691	456,339
BMW		404,258	390,267	379,304
Suzuki		332,850	325,594	313,103
Audi		264,029	251,755	242,346
MG	↑	183,167	127,917	80,960
Jeep	↓	176,256	178,593	178,528
Lexus	↓	158,476	145,154	140,149
Land Rover	↓	149,784	144,801	143,926
Volvo		114,832	107,235	99,497
Tesla	↑	89,235	45,501	22,256
Isuzu	↓	86,502	72,300	61,672
Skoda		71,673	65,060	59,049
Renault		66,776	64,199	60,754
Porsche		65,529	59,885	54,722
Peugeot	↓	63,618	67,316	71,046
Haval	↑	59,512	35,472	17,665
MINI	↓	53,168	49,750	47,339
Jaguar		35,199	35,405	35,554
Chrysler		27,701	29,288	30,882
Others		275,081	243,251	240,936
Total		15,699,852	15,325,339	15,050,528

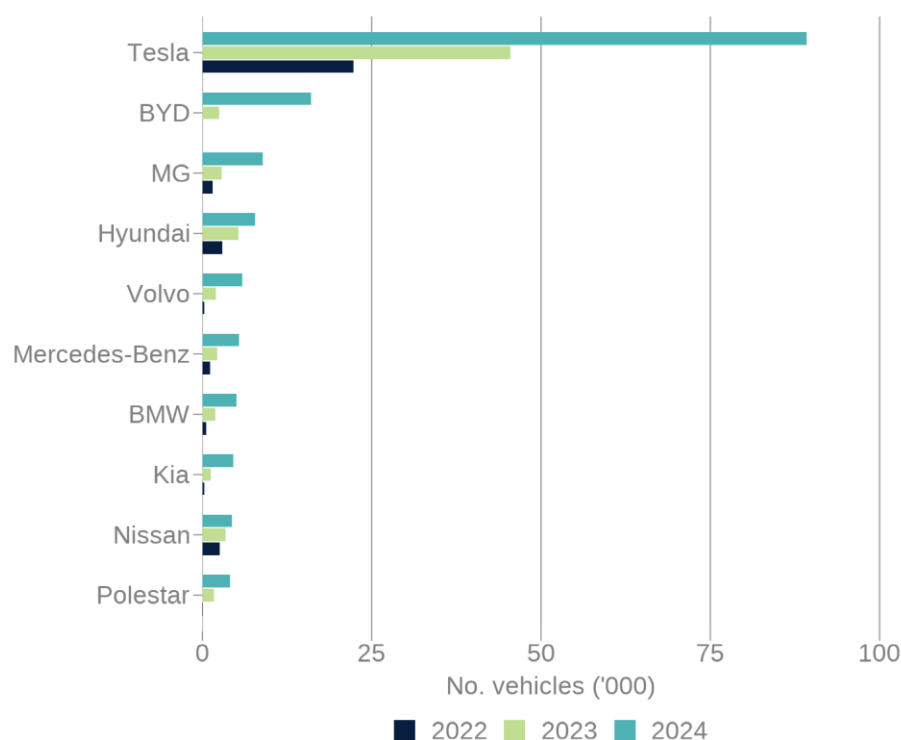
Sources: BITRE estimates.

Top electric vehicle makes

Figure 8 shows and Table 8 lists the number of registered passenger BEVs and FCEVs by make, for the top 10 BEV and FCEV vehicle makes, on 31 January 2024, 31 January 2023 and 31 January 2022.

- There were approximately 159,460 registered passenger BEVs and FCEVs on 31 January 2024, a 121 per cent increase over the number of registered passenger BEVs and FCEVs on 31 January 2023.
- Tesla is the most popular BEV make with approximately 89,240 vehicles on register on 31 January 2024, up from around 45,500 vehicles on 31 January 2023.
- BYD accounts for the second largest number of electric passenger vehicles, with approximately 16,000 registered vehicles as at 31 January 2024, up from around 2,500 vehicles on 31 January 2023.
- The electric vehicle estimates include approximately 64 registered FCEVs on 31 January 2024 (Hyundai Nexo and Toyota Mirai vehicles), up from 57 vehicles on 31 January 2023.

Figure 8 Registered passenger BEVs and FCEVs by make, top 10 makes, 2022, 2023 and 2024



Sources: BITRE estimates.

Table 8 Registered passenger BEVs and FCEVs by make, top 10 makes, 2022, 2023 and 2024

Make	Rank change	2024	2023	2022
		(vehicles)		
Tesla		89,235	45,501	22,256
BYD	↑	16,013	2,478	27
MG	↑	8,908	2,847	1,480
Hyundai		7,782	5,259	2,939
Volvo	↑	5,880	1,959	238
Mercedes-Benz	↓	5,380	2,179	1,075
BMW		5,013	1,871	534
Kia	↑	4,495	1,243	271
Nissan	↓	4,379	3,358	2,516
Polestar	↓	4,093	1,721	34
Others		8,280	3,815	2,407
Total		159,458	72,231	33,777

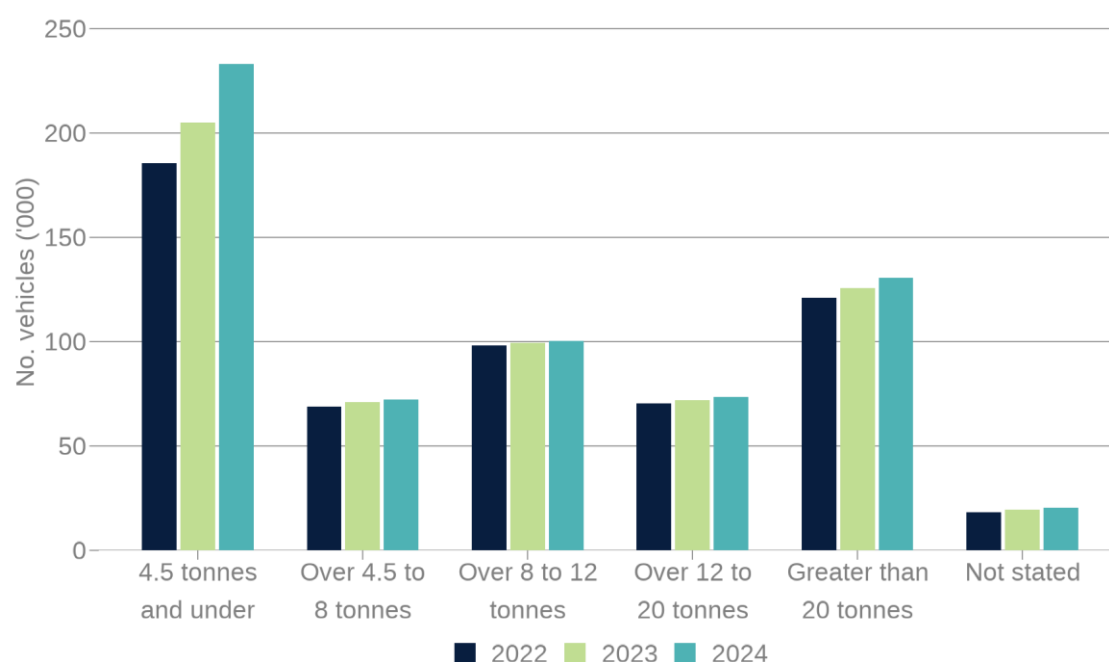
Sources: BITRE estimates.

Rigid trucks by gross vehicle mass (GVM)

Figure 9 shows the number of registered rigid trucks by gross vehicle mass (GVM) ranges on 31 January 2024, 31 January 2023 and 31 January 2022. Table 9 shows registered rigid trucks by GVM and state/territory of registration on 31 January 2024, 31 January 2023 and 31 January 2022.

- There were approximately 630,000 registered rigid trucks on 31 January 2024 - an increase of approximately 6.4 per cent on the number of registered rigid trucks at the end of January 2023.
 - Light rigid trucks comprised approximately 37.0 per cent of total registered rigid trucks on 31 January 2024, up from 34.6 per cent in January 2023.
 - Rigid trucks between 4.5 and 8 tonnes GVM comprised 11.5 per cent of rigid trucks.
 - Rigid trucks between 8 and 12 tonnes GVM comprised 15.9 per cent of rigid trucks.
 - Rigid trucks between 12 and 20 tonnes GVM comprised 11.6 per cent of rigid trucks.
 - Rigid trucks above 20 tonnes GVM comprised 20.7 per cent of rigid trucks.
- Light rigid trucks (i.e. between 3.5 and 4.5 tonnes gross vehicle mass) were the fastest growing vehicle type, increasing 13.7 per cent between January 2023 and January 2024. Light rigid trucks also grew strongly the previous year, up 10.5 per cent between January 2022 and January 2023.³

Figure 9 Registered rigid trucks by GVM, 2022, 2023 and 2024



Sources: BITRE estimates.

3. The growth in registered light rigid trucks is corroborated by the number of light rigid truck entries on the Register of Approved Vehicles (RAV) – light rigid truck RAV entries totalled around 50,000 vehicles in the 12 months to end December 2023 (BITRE 2024).

Table 9 Registered rigid trucks, by GVM and state/territory of registration, 2022, 2023 and 2024

Year	Gross vehicle mass						Total (vehicles)
	4.5 tonnes and under	Over 4.5 to 8 tonnes	Over 8 to 12 tonnes	Over 12 to 20 tonnes	Above 20 tonnes	Not stated	
	(vehicles)	(vehicles)	(vehicles)	(vehicles)	(vehicles)	(vehicles)	
New South Wales							
2022	62,388	22,994	30,241	19,158	33,165	585	168,531
2023	67,820	23,664	30,405	19,640	33,941	563	176,033
2024	75,090	24,255	30,456	20,061	35,123	523	185,508
Victoria							
2022	45,479	17,009	25,046	16,083	30,415	2,330	136,362
2023	50,136	17,435	25,386	16,363	31,498	2,213	143,031
2024	55,655	17,405	25,593	16,570	32,921	2,093	150,237
Queensland							
2022	42,071	15,050	21,116	17,193	25,656	487	121,573
2023	47,219	15,933	21,456	17,543	27,036	495	129,682
2024	55,065	16,840	21,864	18,045	28,089	486	140,389
South Australia							
2022	10,212	4,890	7,338	5,368	8,085	153	36,046
2023	11,347	4,998	7,354	5,441	8,293	133	37,566
2024	13,360	5,057	7,360	5,569	8,514	139	39,999
Western Australia							
2022	17,667	4,470	10,245	9,570	18,953	14,475	75,380
2023	20,037	4,291	10,475	9,747	19,778	15,930	80,258
2024	24,394	4,107	10,614	9,911	20,579	16,968	86,573
Tasmania							
2022	4,248	2,655	2,579	1,905	3,127	90	14,604
2023	4,609	2,720	2,608	1,942	3,255	90	15,224
2024	5,182	2,755	2,668	2,002	3,352	92	16,051
Northern Territory							
2022	1,744	1,509	1,202	855	1,216	65	6,591
2023	1,935	1,534	1,186	859	1,259	59	6,832
2024	2,349	1,578	1,220	908	1,320	54	7,429
Australian Capital Territory							
2022	1,668	375	481	299	584	17	3,424
2023	1,871	377	476	307	601	19	3,651
2024	2,005	391	493	313	590	16	3,808
Australia							
2022	185,477	68,952	98,248	70,431	121,201	18,202	562,511
2023	204,974	70,952	99,346	71,842	125,661	19,502	592,277
2024	233,100	72,388	100,268	73,379	130,488	20,371	629,994

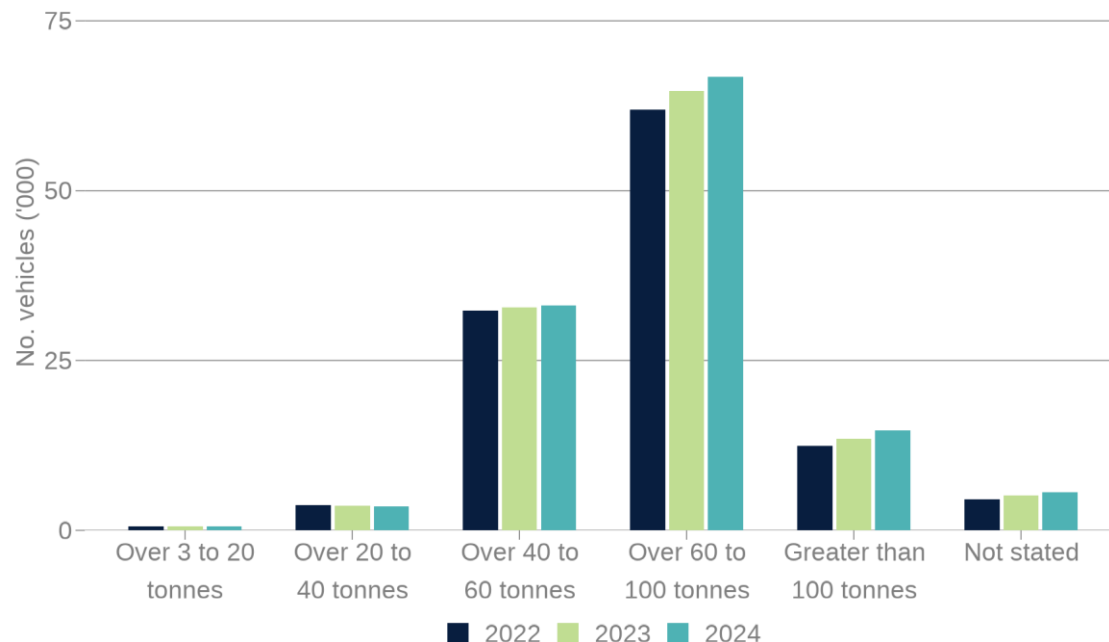
Sources: BITRE estimates.

Articulated trucks by gross combination mass (GCM)

Figure 10 shows the number of registered articulated trucks by selected gross combination mass (GCM) ranges on 31 January 2024, 31 January 2023 and 31 January 2022. Table 10 shows registered articulated trucks by GCM and state/territory of registration on 31 January 2024, 31 January 2023 and 31 January 2022.

- There were approximately 124,300 registered articulated trucks on 31 January 2024 - an increase of approximately 3.3 per cent on the number of registered articulated trucks at the end of January 2023.
 - Articulated trucks less than 40 tonnes GCM comprised approximately 3.3 per cent of all articulated trucks on 31 January 2024.
 - Articulated trucks between 40 and 60 tonnes GCM comprised 26.6 per cent of all articulated trucks.
 - Articulated trucks between 60 and 100 tonnes GCM comprised 53.7 per cent of all articulated trucks.
 - Articulated trucks greater than 100 tonnes GCM comprised 11.8 per cent of all articulated trucks.

Figure 10 Registered articulated trucks by GCM, 2022, 2023 and 2024



Sources: BITRE estimates.

Table 10 Registered articulated trucks, by GCM and state/territory of registration, 2022, 2023 and 2024^a

Year	Gross combination mass						Total (vehicles)
	Over 3 to 20 tonnes	Over 20 to 40 tonnes	Over 40 to 60 tonnes	Over 60 to 100 tonnes	Greater than 100 tonnes	Not stated	
	(vehicles)	(vehicles)	(vehicles)	(vehicles)	(vehicles)	(vehicles)	
New South Wales							
2022	92	660	5,147	18,408	2,384	103	26,794
2023	104	608	5,057	19,229	2,547	80	27,625
2024	126	568	4,833	19,741	2,712	69	28,049
Victoria							
2022	422	1,507	7,172	22,374	793	367	32,635
2023	411	1,459	7,188	23,238	1,142	355	33,793
2024	385	1,425	7,198	24,092	1,488	339	34,927
Queensland							
2022	46	722	4,055	13,812	6,393	39	25,067
2023	43	686	4,106	14,461	6,714	37	26,047
2024	44	672	4,077	15,037	7,090	38	26,958
South Australia							
2022	8	320	2,135	5,496	1,851	7	9,817
2023	7	295	2,131	5,780	2,090	10	10,313
2024	5	293	2,068	5,859	2,297	10	10,532
Western Australia							
2022	38	448	13,368	23	16	3,765	17,658
2023	34	428	13,859	32	26	4,392	18,771
2024	30	426	14,437	49	33	4,911	19,886
Tasmania							
2022	9	72	325	1,446	68	285	2,205
2023	12	73	342	1,488	77	277	2,269
2024	18	75	349	1,588	81	267	2,378
Northern Territory							
2022	4	18	104	262	894	3	1,285
2023	4	19	93	281	920	3	1,320
2024	6	22	83	293	965	3	1,372
Australian Capital Territory							
2022	0	12	28	132	3	14	189
2023	0	12	28	132	6	13	191
2024	0	14	29	133	4	14	194
Australia							
2022	619	3,759	32,334	61,953	12,402	4,583	115,650
2023	615	3,580	32,804	64,641	13,522	5,167	120,329
2024	614	3,495	33,074	66,792	14,670	5,651	124,296

a. Some values have been perturbed to preserve confidentiality.

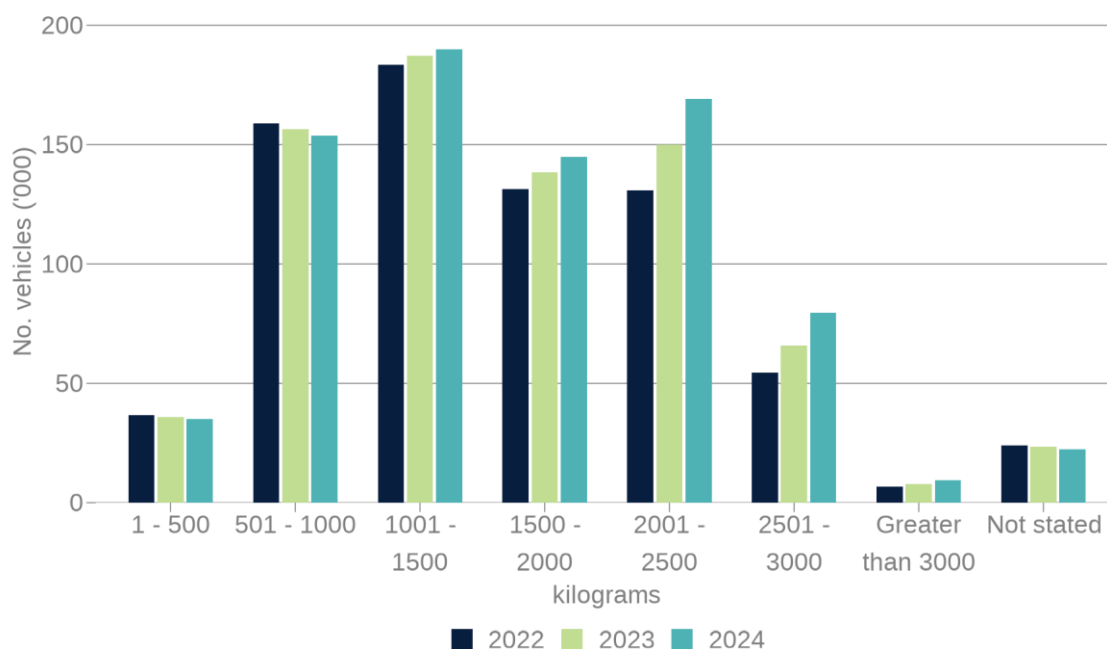
Sources: BITRE estimates.

Caravans by tare weight

Figure 11 shows the number of registered caravans by selected tare weight groups on 31 January 2024, 31 January 2023 and 31 January 2022. Table 11 shows registered caravans by tare weight and state/territory of registration on 31 January 2024, 31 January 2023 and 31 January 2022.

- There were approximately 803,740 registered caravans on 31 January 2024 – 5.0 per cent up on the number of registered caravans at the end of January 2023.
 - Caravans less than 1000 kilograms tare weight, comprised approximately 23.5 per cent of all caravans on 31 January 2024, but total registrations declined 1.9 per cent on January 2023.
 - Caravans 1001-1500 kilograms tare weight, comprised 23.6 per cent of all caravans on 31 January 2024, and total registrations increased 1.4 per cent on January 2023.
 - Caravans 1501-2000 kilograms tare weight, comprised 18.0 per cent of all caravans on 31 January 2024, and total registrations increased 4.5 per cent on January 2023.
 - Caravans 2001-2500 kilograms tare weight, comprised 21.1 per cent of all caravans on 31 January 2024, and total registrations increased 12.8 per cent on January 2023.
 - Caravans above 2500 kilograms tare weight, comprised 11.1 per cent of all caravans on 31 January 2024, and total registrations increased 20.8 per cent on January 2023.

Figure 11 Registered caravans by tare weight, 2022, 2023 and 2024



Sources: BITRE estimates.

Table 11 Registered caravans, by tare weight and state/territory of registration, 2022, 2023 and 2024^a

Year	Tare weight							Not stated (vehicles)	Total (vehicles)
	1-500 kilograms (vehicles)	501-1000 kilograms (vehicles)	1001-1500 kilograms (vehicles)	1500-2000 kilograms (vehicles)	2001-2500 kilograms (vehicles)	2501-3000 kilograms (vehicles)	Greater than 3000 kilograms (vehicles)		
New South Wales									
2022	7,865	38301	43,299	30,987	31,294	11593	1,019	124	164,482
2023	7,691	37,219	44,066	32,608	36,239	14,352	1,212	120	173,507
2024	7,535	36,177	44,177	33,889	40,526	17,708	1,543	105	181,660
Victoria									
2022	2,794	28,720	43,294	32,703	35132	14818	1,631	19,832	178,924
2023	2,737	28,477	43,476	33,802	39,718	17,949	1,901	18,449	186,509
2024	2,675	28,016	43,297	34,539	43,765	21,313	2,259	17,043	192,907
Queensland									
2022	16,032	42412	44,607	36,096	34,071	14846	1,847	4,102	194,013
2023	15,505	41,623	45,543	38,623	39,466	17,873	2,212	4,993	205,838
2024	14,992	40,863	46,630	40,844	45,246	21,762	2,659	5,219	218,215
South Australia									
2022	1,279	13,405	15,086	10,171	10,961	4,370	436	0	55,708
2023	1,207	12,785	14,974	10,574	12,402	5,162	467	0	57,571
2024	1,162	12,305	15,035	11,153	14,246	6,262	586	0	60,749
Western Australia									
2022	6,615	26,992	27,439	18,765	16,721	7,997	1,570	3	106,102
2023	6,532	26,996	28,390	20,029	19,007	9,327	1,718	3	112,002
2024	6,447	26,858	29,164	21,374	21,934	11,183	1,941	3	118,904
Tasmania									
2022	1,468	7,304	7,738	1,333	1,437	488	174	11	19,953
2023	1,501	7,447	8,652	1,437	1,721	642	211	11	21,622
2024	1,523	7,605	9,433	1,518	1,873	745	238	10	22,945
Northern Territory									
2022	45	229	525	394	437	258	45	0	1,933
2023	39	218	546	463	553	314	46	0	2,179
2024	39	202	538	480	638	366	51	0	2,314
Australian Capital Territory									
2022	640	1,574	1,453	874	704	208	16	0	5,469
2023	659	1,648	1,570	913	848	268	16	0	5,922
2024	606	1,614	1,548	987	948	319	23	0	6,045
Australia									
2022	36,738	158,937	183,441	131,323	130,757	54,578	6,738	24,072	726,584
2023	35,871	156,413	187,217	138,449	149,954	65,887	7,783	23,576	765,150
2024	34,979	153,640	189,822	144,784	169,176	79,658	9,300	22,380	803,739

a. Some values have been perturbed to preserve confidentiality.

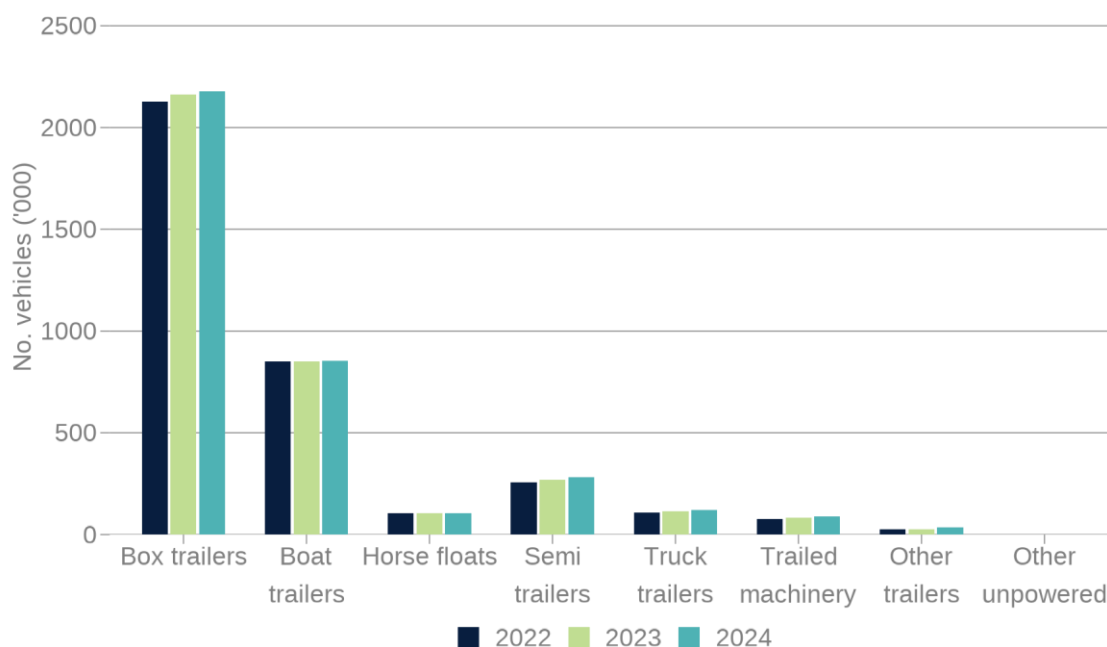
Sources: BITRE estimates.

Trailers by type

Figure 12 shows the number of registered trailers by trailer type on 31 January 2024, 31 January 2023 and 31 January 2022. Table 12 shows registered trailers by trailer type and state/territory of registration on 31 January 2024, 31 January 2023 and 31 January 2022.

- There were approximately 3.66 million registered trailers on 31 January 2024 - an increase of approximately 1.3 per cent on the number of registered trailers at the end of January 2023.
 - Box trailers on register numbered around 2.18 million on 31 January 2024, an increase of approximately 0.7 per cent over cent on the number of registered trailers at the end of January 2023.
 - Boat trailers and horse floats together account for approximately 959,450, or 26.2 per cent of all registered trailers on 31 January 2024.
 - Semi-trailers on register numbered approximately 280,570 on 31 January 2024, an increase of 4.1 per cent on the number on register at end of January 2023.
 - Truck trailers on register numbered approximately 119,750 on 31 January 2024, an increase of 5.9 per cent on the number on register at end of January 2023.
 - Trailed machinery type trailers account for only 2.4 per cent (approximately 87,750) of all trailers on 31 January 2024, but numbers increased by 26.3 per cent on the number on register at end of January 2023.

Figure 12 Registered trailers by type, 2022, 2023 and 2024



Sources: BITRE estimates.

Table 12 Registered trailers , by trailer type and state/territory of registration, 2022, 2023 and 2024^a

Year	Trailer type								Total (vehicles)
	Box trailers (vehicles)	Boat trailers (vehicles)	Horse floats (vehicles)	Semi- trailers (vehicles)	Truck trailers (vehicles)	Trailed machinery (vehicles)	Other trailers (vehicles)	Other unpowered (vehicles)	
New South Wales									
2022	562,957	232,681	31,352	51,200	12,586	19,920	13,866	4	924,566
2023	566,992	232,100	31,330	52,849	12,885	23,893	14,573	3	934,625
2024	565,395	231,498	31,275	54,036	13,046	25,300	16,424	3	936,977
Victoria									
2022	457,886	177,830	28,746	59,974	13524	32,317	3,394	5	773,676
2023	469,557	178,966	29,035	62,625	13,617	33,279	4,410	4	791,493
2024	476,246	178,335	29,148	65,613	13,803	34,614	6,893	4	804,656
Queensland									
2022	472,751	248,634	23,673	65,191	71,674	7,058	2,712	96	891,789
2023	482,124	250,022	24,074	68,346	76,933	7,365	2,780	90	911,734
2024	486,703	251,661	24,590	70,839	82,773	7,511	3,776	85	927,938
South Australia									
2022	236,091	51,583	4,779	21,562	4,716	3,969	596	3	323,299
2023	234,902	49,321	4,881	22,592	4,952	4,187	627	3	321,465
2024	235,394	50,314	4,931	23,773	5,190	4,546	1,180	3	325,331
Western Australia									
2022	273,723	97,320	10,255	50,390	2,882	10,163	32	8	444,773
2023	281,113	99,357	10,414	53,508	3,039	12,043	66	7	459,547
2024	286,073	101,240	10,637	56,303	3,250	12,216	908	7	470,634
Tasmania									
2022	76,514	28,622	3,561	4,321	1,126	2,307	3,419	0	119,870
2023	78,747	28,900	3,603	4,431	1,143	2,501	3,595	0	122,920
2024	80,112	28,951	3,632	4,692	1,180	2,670	3,887	0	125,124
Northern Territory									
2022	21,179	8,238	611	4,565	346	480	3	0	35,422
2023	21,199	7,962	611	4,874	346	455	3	0	35,450
2024	21,050	7,744	594	5,021	343	448	71	0	35,271
Australian Capital Territory									
2022	27,601	4,663	476	292	186	391	1,157	0	34,766
2023	27,472	4,537	496	308	179	440	1,206	0	34,638
2024	26,977	4,407	487	289	169	448	1,288	0	34,065
Australia									
2022	2,128,702	849,571	103,453	257,495	107,040	76,605	25,179	116	3,548,161
2023	2,162,106	851,165	104,444	269,533	113,094	84,163	27,260	107	3,611,872
2024	2,177,950	854,150	105,294	280,566	119,754	87,753	34,427	102	3,659,996

a. Some values have been perturbed to preserve confidentiality.

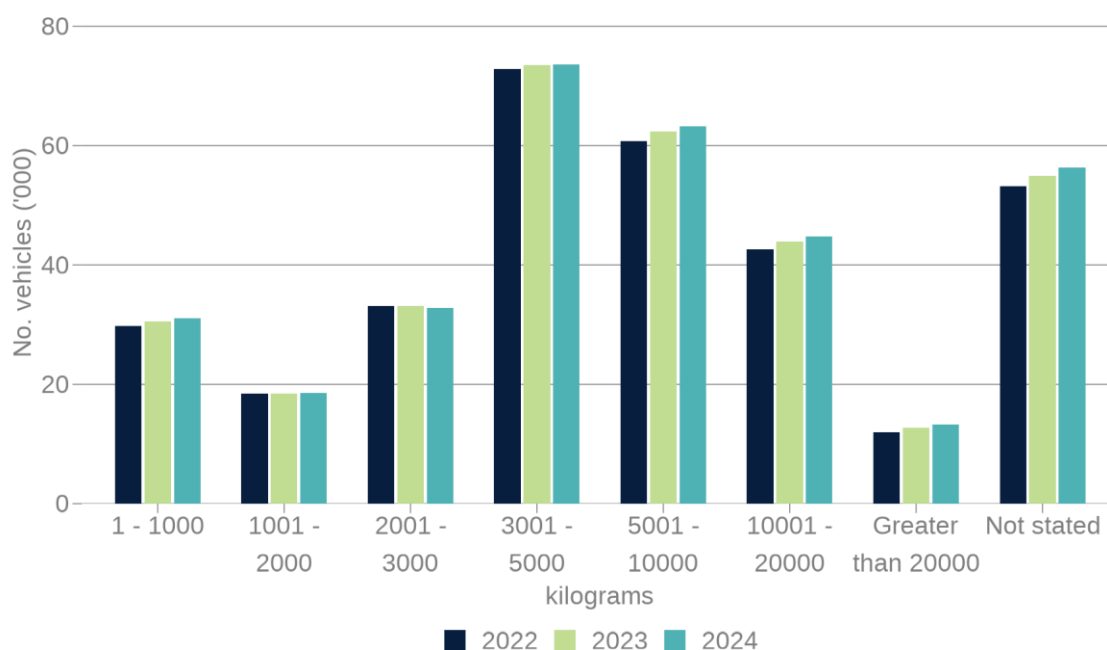
Sources: BITRE estimates.

Plant and equipment by tare weight

Figure 13 shows the number of registered plant and equipment type vehicles by tare weight classes on 31 January 2024, 31 January 2023 and 31 January 2022. Table 13 shows registered plant and equipment type vehicles by tare weight classes and state/territory of registration on 31 January 2024, 31 January 2023 and 31 January 2022.

- There were approximately 333,700 registered plant and equipment type vehicles on 31 January 2024 – an increase of approximately 1.2 per cent on the number of equivalent vehicles at the end of January 2023.
- The significant variation in the number of such vehicles reported across jurisdictions suggest differing registration practices and/or NEVDIS reporting practices for such vehicles by jurisdictions.
- The plant and equipment type vehicle registrations are provided here for completeness. Extra care should be exercised in comparing numbers of such vehicles across jurisdictions.

Figure 13 Registered plant and equipment by tare weight, 2022, 2023 and 2024



Sources: BITRE estimates.

Table 13 Registered plant and equipment, by tare weight and state/territory of registration, 2022, 2023 and 2024^a

Registration, 2022, 2023 and 2024									
Year	Tare weight							Not stated (vehicles)	Total (vehicles)
	1-1000	1001-2000	2001-3000	3000-5000	5001-10000	10001-20000	Greater than 20000		
	kilograms (vehicles)	kilograms (vehicles)	kilograms (vehicles)	kilograms (vehicles)	kilograms (vehicles)	kilograms (vehicles)	kilograms (vehicles)		
New South Wales									
2022	84	215	259	543	669	974	632	3	3,379
2023	86	193	227	497	591	899	653	3	3,149
2024	71	187	208	456	557	844	652	0	2,975
Victoria									
2022	16,582	6,142	11,784	24,049	20504	9309	1,305	13,285	102,960
2023	16,845	6,103	11,907	24,310	21,386	9,582	1,438	12,985	104,556
2024	17,029	6,162	11,910	24,516	22,008	9,918	1,589	12,524	105,656
Queensland									
2022	8,154	4734	7,857	21,354	14,874	11310	6,145	25,591	100,019
2023	8,521	4,848	7,837	21,529	15,355	11,816	6,472	27,383	103,761
2024	8,812	4,954	7,748	21,467	15,730	12,073	6,657	29,136	106,577
South Australia									
2022	1,659	4,007	7,795	16,202	13,211	8,491	1,544	788	53,697
2023	1,687	3,875	7,664	16,196	13,202	8,475	1,534	809	53,442
2024	1,728	3,799	7,518	16,134	13,095	8,426	1,482	773	52,955
Western Australia									
2022	2,799	3,189	5,362	10,601	11,384	12,369	2,323	207	48,234
2023	2,964	3,317	5,359	10,864	11,686	13,007	2,602	200	49,999
2024	2,925	3,344	5,340	10,932	11,775	13,445	2,846	192	50,799
Tasmania									
2022	401	70	21	17	16	12	3	11,374	11,914
2023	386	70	19	19	16	12	5	11,589	12,116
2024	371	78	18	18	18	12	5	11,822	12,342
Northern Territory									
2022	5	4	7	19	63	82	27	1,911	2,118
2023	5	4	7	14	57	76	24	1,907	2,094
2024	4	4	7	14	51	64	21	1,832	1,997
Australian Capital Territory									
2022	82	87	82	49	44	37	18	0	399
2023	78	77	74	50	43	37	21	3	383
2024	83	75	70	58	45	40	22	3	396
Australia									
2022	29,766	18,448	33,167	72,834	60,765	42,584	11,997	53,159	322,720
2023	30,572	18,487	33,094	73,479	62,336	43,904	12,749	54,879	329,500
2024	31,023	18,603	32,819	73,595	63,279	44,822	13,274	56,282	333,697

a. Some values have been perturbed to preserve confidentiality.

Sources: BITRE estimates.

Explanatory notes

This section provides more details about the scope, coverage and quality of the registered road vehicle data reported in this publication. Many of these details are similar to those reported by ABS (2022), but there are some minor differences in sources and methods.

The estimates presented here include all road vehicles that are registered with an Australian state or territory motor vehicle registry (MVR) for unrestricted use on public roads and reported by jurisdictions to the National Exchange of Vehicle and Driver Information System (NEVDIS), as at the 31 January 2024.

The scope of the estimates have been defined to accord as closely as possible with the previous ABS' Motor Vehicle Census (MVC) motor vehicle estimates. Where it is possible to do so, the counts exclude:

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

In particular, veteran and vintage vehicles registered for restricted use are not provided to NEVDIS by most jurisdictions and hence not included in BITRE's estimates. Consular and defence force vehicles also appear to be excluded from NEVDIS and hence not included in these estimates. Recreational and/or off-road vehicles are categorised as plant and equipment, using make and model, and not included in total registered motor vehicles. However, some trail bikes and quad bikes may still appear as motorcycles in the estimates.

NEVDIS data also includes road-registered caravans, trailers, and plant and equipment – which includes construction equipment, agricultural tractors and equipment, golf buggies, etc. These vehicle types are not included in the definition of registered *motor vehicles*, but are within scope of all road vehicles. Separate estimates are provided in this publication of total registered caravans, trailers and plant and equipment. More detailed estimates for are available via the BITRE website and data.gov.au.

BITRE has followed the previous ABS' MVC registration cut-off date, deeming all vehicles whose registration lapsed up to one month prior to the MVC snapshot date (i.e. after 31 December of the preceding year) to be in scope.

Data quality

Raw motor vehicle registry data requires significant cleaning and standardisation to produce nationally-consistent estimates. Variation in registration categories used across different jurisdictions, inconsistent allocation of vehicles to registration categories within jurisdictions, and the size of the registered vehicle fleet greatly complicates the process of consistently and accurately identifying and categorising vehicles.

The number of registered road vehicles (over 25 million vehicles in 2024) dictates that quality assurance of each record is not possible. For data made available at a detailed level, BITRE is unable to guarantee that it is necessarily sufficient for all purposes for which it may

be used. There is also variation in vehicle registration categories and motive power codes across different state and territory MVRs and care should be taken when comparing data across jurisdictions.

The data provided to and used by BITRE to produce estimates of registered road vehicles for any year may be revised or corrected in later years. BITRE will continue to refine and improve its data cleaning and standardisation processes, which may also result in estimates being revised or corrected in later years.

Statistical geography

Road Vehicles, Australia data is available for the following geographical areas:

- state/territory of vehicle registration
- postcode of vehicle registration
- postcode of vehicle garaging (i.e. vehicle garaging postcode where recorded and registered postcode where garaging postcode is not available).

In analysing registered vehicle counts at postcode level, please note:

- there are vehicles for which the postcode of the vehicle's owner is in a different jurisdiction to that in which the vehicle is registered. For example, the registered postcode of the vehicle could be in New South Wales, yet the vehicle is registered in Queensland;
- some official postcodes (PO boxes, large volume receivers and specialist delivery postcodes) do not correspond to residential areas; and
- a small proportion of registered postcodes could not be matched to official Australian postcodes (e.g. incomplete, invalid or overseas postcode). All invalid postcodes are encoded as 'UNKN' – Unknown.

Methodological changes

Year of manufacture

Vehicle year of manufacture is based on the NEVDIS-recorded year of manufacture for registered vehicles in all jurisdictions other than New South Wales. Year of manufacture for New South Wales' registered vehicles is based on the year of the vehicle compliance plate. (New South Wales provides compliance plate date (year-month) to NEVDIS, all other jurisdictions provide vehicle year of manufacture to NEVDIS.)

Based on records where both vehicle year of manufacture and compliance plate date are present, there appeared to be a high degree of consistency between the two fields. Note that New South Wales accounts for over 6 million registered motor vehicles, hence this change may impact a significant number of vehicle records.

Vehicle makes

There are significant changes to the range of vehicle makes reported here from that previously reported by ABS (2023). For example, Range Rover vehicles, previously reported

by ABS as a separate make, are now reported as make: Land Rover and model: Range Rover. MINI branded vehicles are enumerated separately by BITRE.

Confidentialisation

Vehicle counts presented in this publication have been ‘confidentialised’ so as mitigate the risk that third parties could identify particular individuals, families, households, dwellings or businesses, from released vehicles counts.

BITRE’s confidentialisation procedures involve a combination of suppressing the value of small-count cells (i.e. cells with fewer than 3 units), including any total cells, and perturbation or suppression of any secondary cells necessary to preserve confidentiality.

Revisions in this issue

As previously noted, this edition includes revisions to BITRE’s 2021, 2022 and 2023 estimates. The revisions are based on further investigation of the raw registry data and refinement of BITRE’s vehicle make, model and vehicle type identification procedures. The result of these refinements is that around 38,500 vehicles (0.2 per cent of the vehicle fleet) were transferred between vehicle categories. The more significant revisions include:

- approximately 11,000 vehicles transferred from motorised road vehicle categories to plant and equipment, with approximately 7,300 of these vehicles construction equipment and ATVs previously allocated to motorcycles.
- approximately 17,600 vehicles transferred from LCVs to light rigid trucks – which include a mix of FUSO and ISUZU vehicles previously incorrectly allocated to LCVs, and 600 vehicles transferred from light rigid trucks to LCVs
- a net 1,400 vehicles transferred from passenger vehicles to light buses
- a further 9100 vehicles transferred between other vehicle categories.

Tables A.1, A.2 and A.3 show the number of vehicles transferred between vehicle categories for 2023, 2022 and 2021, respectively.

Table A.1 – Impact of 2024 revisions on 2023 RVA estimates

	RVA 2024											
	Passenger vehicles	Campervans	Light commercial vehicles	Light rigid trucks	Heavy rigid trucks	Articulated trucks	Non-freight-carrying vehicles	Light buses	Heavy buses	Motorcycles	Plant and equipment	Total
RVA 2023												
Passenger vehicles	-	69	693	44	12	-	192	2,537	17	6	19	3,589
Campervans	1	-	4	-	-	-	-	43	-	-	-	48
Light commercial vehicles	88	7	-	17,643	1,215	52	-	24	3	9	2,756	21,797
Light rigid trucks	-	1082	631	-	16	1	3	-	-	1	4	1,738
Heavy rigid trucks	3	165	9	216	-	9	46	41	38	-	85	612
Articulated trucks	6	-	-	4	57	-	-	1	-	-	2	70
Non-freight-carrying vehicles	-	-	54	-	1	-	-	-	-	1	735	791
Light buses	1,122	8	5	-	-	-	-	-	18	1	-	1,154
Heavy buses	3	15	-	843	3	-	-	61	-	-	-	925
Motorcycles	76	-	66	1	2	-	53	31	1	-	7,333	7,563
Plant and equipment	17	-	12	3	-	-	174	2	-	-	-	208
Total	1,316	1,346	1,474	18,754	1,306	62	468	2,740	77	18	10,934	

Sources: BITRE estimates.

Table A.2 – Impact of 2024 revisions on 2022 RVA estimates

RVA 2023	RVA 2024											Total
	Passenger vehicles	Campervans	Light commercial vehicles	Light rigid trucks	Heavy rigid trucks	Articulated trucks	Non-freight-carrying vehicles	Light buses	Heavy buses	Motorcycles	Plant and equipment	
Passenger vehicles	-	69	719	49	14	-	189	2,595	18	4	19	3,676
Campervans	1	-	4	-	-	-	-	47	-	-	-	52
Light commercial vehicles	98	7	-	18,024	1,231	55	-	30	4	11	2,837	22,297
Light rigid trucks	-	1,179	651	-	10	1	1	-	-	1	4	1,847
Heavy rigid trucks	5	175	10	172	-	16	38	42	34	-	98	590
Articulated trucks	5	-	-	3	60	-	-	1	-	-	3	72
Non-freight-carrying vehicles	-	-	55	-	1	-	-	-	-	1	407	464
Light buses	1,078	6	6	-	-	-	-	-	21	1	-	1,112
Heavy buses	3	18	-	802	3	-	-	62	-	-	-	888
Motorcycles	84	-	67	1	1	-	44	36	1	-	7,306	7,540
Plant and equipment	17	-	11	3	-	-	187	1	-	-	-	219
Total	1,291	1,454	1,523	19,054	1,320	72	459	2,814	78	18	10,674	-

Sources: BITRE estimates.

Table A.3 – Impact of 2024 revisions on 2021 RVA estimates

RVA 2023	RVA 2024											Total
	Passenger vehicles	Campervans	Light commercial vehicles	Light rigid trucks	Heavy rigid trucks	Articulated trucks	Non-freight-carrying vehicles	Light buses	Heavy buses	Motorcycles	Plant and equipment	
Passenger vehicles	-	64	750	48	15	-	178	2,725	19	3	22	3,824
Campervans	1	-	4	-	-	-	-	53	-	-	-	58
Light commercial vehicles	102	9	-	17,552	1,202	58	-	37	5	12	2,909	21,886
Light rigid trucks	-	1,265	529	-	7	1	1	-	-	1	3	1,807
Heavy rigid trucks	4	185	14	174	-	9	29	40	28	-	107	590
Articulated trucks	7	-	-	2	61	-	-	2	-	-	2	74
Non-freight-carrying vehicles	-	-	61	-	1	-	-	-	-	1	119	182
Light buses	1,072	5	8	-	-	-	-	-	23	2	-	1,110
Heavy buses	3	24	1	768	2	-	-	64	-	-	-	862
Motorcycles	90	-	73	2	1	-	36	42	1	-	7,166	7,411
Plant and equipment	17	-	11	3	-	-	203	1	-	-	-	235
Total	1,296	1,552	1,451	18,549	1,289	68	447	2,964	76	19	10,328	-

Sources: BITRE estimates.

BITRE also further investigated motorcycles by vehicle fuel type – BITRE previously reported approximately 700 diesel-fuelled registered motorcycles. Further investigation revealed the majority of these vehicles were Kawasaki construction equipment, incorrectly allocated to motorcycles and petrol-fuelled motorcycle models, registered as diesel-fuelled – the former vehicles are now allocated to plant and equipment and the latter vehicles have been revised.

Glossary

The following definitions are general explanations only. The precise definitions vary across the organisations that provide the source data. These differences may result in minor inconsistencies between jurisdictions for some fields. Again, the majority of these definitions are identical to ABS (2022). Note the motive power type definition has changed with new motive power sources introduced: battery electric vehicles, fuel-cell electric vehicles and hybrid electric vehicles.

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.

Average age of vehicle 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. This is calculated using the formulas below, which allow for the month of the year in which the registered vehicle fleet snapshot is taken. The formulas assume that vehicles are manufactured at a constant rate over the year.

For vehicles manufactured in the current year:

$$\text{Vehicle age} = (\text{snapshot month})/24$$

For vehicles manufactured in previous years:

$$\text{Vehicle age} = (\text{snapshot year}) - (\text{Year of manufacture}) + (\text{snapshot month} - 6)/12$$

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.

Battery electric vehicles Battery electric vehicles (BEV) are vehicles reported by the registering authority as having a single power source which is electricity sourced from an on-board battery.

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.

Caravan Any enclosed trailer designed primarily for human occupation while stationary.

Campervans Self-propelled motor vehicles containing an area primarily used for human occupation when stationary. This includes motor homes and powered caravans.

<i>Estimated Resident Population (ERP)</i>	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. The ERP used to calculate average vehicle ownership is as at 31 December of the calendar prior to the date of the NEVDIS vehicle snapshot.
<i>Fuel-cell electric vehicles</i>	Fuel-cell electric vehicles (FCEV) vehicles reported by the registering authority as being powered by a fuel cell fuelled by hydrogen.
<i>Gross combination mass (GCM)</i>	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.
<i>Gross vehicle mass (GVM)</i>	Tare weight (i.e. unladen weight) of the motor vehicle, plus its maximum carrying capacity excluding trailers.
<i>Heavy buses</i>	Buses with a GVM greater than 4.5 tonnes.
<i>Heavy rigid trucks</i>	Rigid trucks of GVM greater than 4.5 tonnes.
<i>Hybrid electric vehicles</i>	Hybrid electric vehicles are based on vehicles reported by the registering authority as having more than one power source, one of which is electricity drawn from an on-board battery.
<i>Light buses</i>	Buses with a GVM of less than or equal to 4.5 tonnes.
<i>Light commercial vehicles</i>	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).
<i>Light rigid trucks</i>	Rigid trucks of GVM greater than 3.5 tonnes and less than or equal to 4.5 tonnes.
<i>Make</i>	The manufacturer-designated brand (or marque) of the vehicle.
<i>Motive power type</i>	Vehicle motive power type is based on that reported by the registering authority. Principal motive types (power source) include petrol, diesel, LPG, CNG and electricity and other (which includes hydrogen). Dual fuel vehicles and hybrid electric vehicles are based on vehicles reported by the registering authority as having more than one power source or vehicle model information, where that information identifies the vehicle motive power source(s).

<i>Motorcycles</i>	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 motorcycles with sidecars.
<i>Motor vehicles</i>	Self-propelled road vehicles with an on-board power source.
<i>Non-freight carrying vehicles</i>	Specialist motor vehicles or motor vehicles fitted with special purpose equipment, and having little or no-load carrying capacity (e.g. ambulances, fire trucks, tow trucks, hearses, etc.).
<i>Passenger vehicles</i>	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.
<i>Plant and equipment</i>	Motor vehicles constructed primarily for off-road and/or special purpose use, and registered for occasional or infrequent road use.
<i>Rigid trucks</i>	<p>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.</p> <p>Rigid trucks are divided into two categories:</p> <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.
<i>Trailers</i>	An unpowered vehicle constructed to be drawn behind a motor vehicle.

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