

s9(2)(a)

## OIA-11498 – [REDACTED] - CAS data

**Report Date:** 22/11/2022  
**Data extract date:** 22/11/2022

**Requester:** [REDACTED]**Request:**

Under the Official Information Act I request the following information.

1. All deaths, serious injuries and accidents along the entire State Highway network over the last ten years

2. Time of day, causes of crashes, which travel modes were involved, severity of all crashes and accidents along the entire State Highway network over the last ten years

**Source database:**

CAS

**Report produced by:**

Paul Phipps (Data Services)

**Peer reviewed by:**

Daniel Lawrence (Data Services)

**Please note the following concerning the data contained in this spreadsheet:**

- This data is provided from the road traffic crash database; Crash Analysis System (CAS) version 2.2.8
- Waka Kotahi NZ Transport Agency maintains the Crash Analysis System which is updated once a Traffic Crash Report (TCR) is received from NZ Police sometime after the crash.
- Data is for all crashes for the years 2012 to 2022 as recorded in CAS to date - 22/11/2022.
- Data is limited to crashes on State Highways.
- A crash, to be recorded in CAS must have occurred on a road. The CAS definition of a road is any street, motorway or beach, or a place to which the public have access with a motor vehicle, whether as of right or not e.g. a public car park.
- Due to the police reporting time frame and subsequent data processing there is a lag from the time of a crash to full and correct crash records within CAS.
- Due to the nature of non-fatal crashes it is believed that these are under-reported, with the level of under-reporting decreasing with the increasing severity of the crash.
- Due to the Covid-19 pandemic, NZ had a 4-level Alert system in place from 21 March 2020 until this changed to a Traffic Light system from 3 December 2021 to 12 September 2022. The amount of traffic on the roads during level 4 lockdowns was greatly reduced, which consequently reduced the number of road crashes. Road movements under the Orange and Red levels of the Traffic Light system would also be reduced due to the restrictions in place, so data from these periods will not align with previous trends.
- The cause of a crash cannot necessarily be attributed to any one factor (eg fatigue) as a crash may have multiple factors.
- Crash severity is the severity of the worst injury in the crash. There may be more than one injury in a crash, so the crash and injury tables may have different numbers.
- "Other" vehicles is referring to miscellaneous vehicle types, such as tractors, mobile cranes, front-end loaders, trailers.
- 2022 data is incomplete.

For further information, please contact [StatisticalAnalysis@nzta.govt.nz](mailto:StatisticalAnalysis@nzta.govt.nz)

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*This information must be read in conjunction with the Caveats on the first page of this spreadsheet*

Crashes on State Highways					
Year	Fatal crashes	Serious injury crashes	Minor injury crashes	Non-injury crashes	Total crashes
2012	141	607	2,294	6,076	9,118
2013	110	552	2,302	6,140	9,104
2014	130	582	2,119	6,143	8,974
2015	137	584	2,439	6,907	10,067
2016	140	657	2,433	8,280	11,510
2017	165	778	2,593	8,512	12,048
2018	157	718	2,824	8,216	11,915
2019	143	660	2,655	7,195	10,653
2020	148	613	2,352	6,017	9,130
2021	128	616	2,443	6,315	9,502
2022*	127	541	2,130	2,589	5,387
<b>Total</b>	<b>1,526</b>	<b>6,908</b>	<b>26,584</b>	<b>72,390</b>	<b>107,408</b>

Injuries from crashes on State Highways				
Year	Deaths	Serious injuries	Minor injuries	Total injuries
2012	168	798	3,333	4,299
2013	119	716	3,252	4,087
2014	147	790	3,113	4,050
2015	157	774	3,522	4,453
2016	171	887	3,479	4,537
2017	191	1,009	3,695	4,895
2018	193	963	4,001	5,157
2019	173	858	3,794	4,825
2020	166	793	3,346	4,305
2021	144	783	3,335	4,262
2022*	149	689	2,946	3,784
<b>Total</b>	<b>1,778</b>	<b>9,060</b>	<b>37,816</b>	<b>48,654</b>

\* 2022 data is incomplete and is current from CAS as at 22/11/2022

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Crashes on State Highways by time of day										
Year	00:00-02:59	03:00-05:59	06:00-08:59	09:00-11:59	12:00-14:59	15:00-17:59	18:00-20:59	21:00-23:59	Unknown	Total crashes
2012	388	401	1,287	1,343	1,703	2,174	1,133	609	80	9,118
2013	382	342	1,305	1,380	1,605	2,262	1,189	571	68	9,104
2014	349	379	1,313	1,374	1,611	2,155	1,180	574	39	8,974
2015	431	402	1,382	1,594	1,817	2,406	1,245	690	100	10,067
2016	440	477	1,651	1,739	2,082	2,705	1,503	837	76	11,510
2017	562	541	1,661	1,801	2,240	2,774	1,555	907	7	12,048
2018	555	567	1,639	1,738	2,141	2,746	1,554	973	2	11,915
2019	541	524	1,463	1,520	1,981	2,468	1,341	815		10,653
2020	519	446	1,275	1,235	1,604	2,114	1,143	794		9,139
2021	490	487	1,342	1,349	1,647	2,042	1,308	837		9,542
2022*	304	300	757	732	884	1,162	758	490		5,387
<b>Total</b>	<b>4,961</b>	<b>4,866</b>	<b>15,075</b>	<b>15,805</b>	<b>19,315</b>	<b>25,008</b>	<b>13,909</b>	<b>8,097</b>	<b>372</b>	<b>107,408</b>

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Vehicles in Crashes on State Highways								
Year	Car/Wagon/S UV/Van/Ute	Truck	Bus	Motorcycle/ Moped	Cycle	Other	Unknown / left scene	Total vehicles
2012	13,770	1,227	95	427	135	32		15,686
2013	13,748	1,217	101	433	142	47		15,688
2014	13,665	1,187	83	424	117	42	2	15,520
2015	15,521	1,336	87	472	119	46	1	17,582
2016	18,089	1,513	123	506	126	61	3	20,421
2017	18,614	1,602	153	521	126	52	3	21,071
2018	18,131	1,508	174	516	111	82	78	20,600
2019	15,966	1,332	165	500	117	176	436	18,692
2020	13,216	1,184	93	484	92	171	340	15,580
2021	14,003	1,307	91	464	104	163	405	16,537
2022*	7,905	753	56	332	59	110	149	9,364
<b>Total</b>	<b>162,628</b>	<b>14,166</b>	<b>1,221</b>	<b>5,079</b>	<b>1,248</b>	<b>982</b>	<b>1,417</b>	<b>186,741</b>

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"Travel Mode" has been interpreted as "vehicle type"

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Factors contributing to State Highway crashes											
Crash factor	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022*
Alcohol and/or Drugs	768	702	657	755	837	1,221	1,618	2,204	1,964	1,633	1,082
Disabled, old age or illness	268	270	251	248	271	332	299	256	239	246	161
Failed to give way or stop	1,216	1,179	1,184	1,182	1,311	1,351	1,284	1,084	922	998	633
Fatigue	739	731	674	824	822	826	840	795	696	604	376
Incorrect lanes or position	2,258	2,271	2,456	2,849	3,304	3,254	3,193	2,837	2,354	2,414	1,280
Miscellaneous factors	812	815	941	987	1,106	1,048	1,009	800	745	776	434
Overtaking	265	234	228	314	393	335	255	245	216	232	114
Pedestrian factors	75	90	95	68	74	84	99	75	57	88	39
Poor handling	2,418	2,249	2,501	2,817	2,364	2,171	2,187	1,788	1,570	1,639	939
Poor judgement	1,445	1,236	1,253	1,483	1,484	1,522	1,576	1,351	1,109	1,046	643
Poor observation	3,331	3,022	3,241	3,995	3,960	4,062	3,572	3,645	2,911	2,946	1,672
Position on Road	170	208	175	334	852	903	1,102	1,056	1,017	1,037	629
Road factors	1,463	1,147	1,105	1,129	1,249	1,496	1,306	1,025	973	1,015	591
Inappropriate Speed	1,231	1,219	1,251	1,832	1,690	1,827	1,783	1,520	1,360	1,341	861
Vehicle factors	539	546	520	604	739	718	609	586	536	610	326
Weather	430	403	458	401	341	416	508	355	348	396	227
<b>TOTAL factors</b>	<b>17,428</b>	<b>16,322</b>	<b>16,990</b>	<b>19,822</b>	<b>20,797</b>	<b>21,566</b>	<b>21,240</b>	<b>19,622</b>	<b>17,017</b>	<b>17,021</b>	<b>10,007</b>

Factors are counted once against a crash - i.e. two fatigued drivers count as one fatigue crash factor.

The numbers under the year headings are the number of crashes where that factor was a contributing factor to the crashes for that year. The Total is the sum of all the factors contributing to crashes. Because a crash may have multiple factors there will be more total factors than crashes resulting in factors totalling more than 100% of all crashes

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