



OIA-16066 - [REDACTED]

Report Date: 13/08/2024

Data extract date: 13/08/2024

Requester: [REDACTED]

Request:

- Numbers of fatal and serious crashes from 2014-2024, broken down by year
- The contributing factors of fatal and serious crashes from 2014-2024, broken down by year (i.e. how many crashes had contributing factors of each unsafe speeds, presence of drugs, presence of alcohol, distraction and any other contributing factors you record, each year for 2014-2024)

Source database: CAS

Report produced by: Data Services

Peer reviewed by: 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 2.11.0.
- NZ Transport Agency Waka Kotahi (NZTA) maintains the CAS which is updated once a Traffic Crash Report (TCR) is received from New Zealand Police sometime after the crash.
- Due to New Zealand 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.
- Fatal crash report data is usually recorded in CAS within one working day of NZTA receiving it from New Zealand Police. Serious Injury and Minor injury crash report data is usually recorded in CAS within four weeks. Data relating to non-injury crashes may take up to seven months before it appears in 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.
- Data is for fatal and serious crashes for the years 2014 to 2024 as recorded in CAS to date - as at 13 August 2024.
- 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.
- The cause of a crash cannot necessarily be attributed to any one factor (eg fatigue) as a crash may have multiple factors.
- Where alcohol or drugs are a contributing factor to a crash, this factor has been separated into either "Proven" or "Suspected". A factor is only counted once against a crash. Where a crash has both a proven and suspected factor against it, only the factor "Proven" is counted.
- Due to the COVID-19 pandemic, New Zealand had a 4-level Alert system in place from 21 March 2020 until this changed to a Traffic Light system in December 2021. 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.
- 2023,2024 data is not yet complete in CAS but these are the current figures from CAS as at 13 August 2024.

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

Fatal and serious crashes			
Year	Fatal crashes	Serious injury crashes	Total crashes
2014	265	1,734	1,999
2015	289	1,833	2,122
2016	285	2,128	2,413
2017	341	2,409	2,750
2018	332	2,129	2,461
2019	297	2,145	2,442
2020	292	1,858	2,150
2021	286	1,988	2,274
2022	335	2,086	2,421
2023*	304	2,077	2,381
2024*	140	1,266	1,406
Total	3,166	21,653	24,819

* 2023 and 2024 data is not yet complete in CAS but these are the current figures from CAS as at 13 August 2024

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Factors contributing to fatal and serious crashes by year											
Crash factor	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023*	2024*
Alcohol and/or Drugs (proven)	284	314	379	494	366	510	414	374	397	348	276
Alcohol and/or Drugs (suspected)	138	137	254	458	544	578	593	675	737	672	230
Disabled, old age or illness	95	101	99	100	92	82	73	88	69	75	55
Failed to give way or stop	408	387	427	516	419	441	320	354	375	411	259
Fatigue	141	163	154	140	128	122	121	94	114	83	58
Incorrect lanes or position	272	273	340	446	409	416	339	317	352	362	218
Miscellaneous factors	185	208	166	231	200	193	186	205	231	184	101
Overtaking	59	77	63	71	64	52	69	57	60	78	39
Pedestrian factors	189	184	175	187	198	183	151	168	163	174	100
Poor handling	677	715	640	617	549	511	508	485	552	500	324
Poor judgement	252	285	323	352	315	273	260	297	311	324	184
Poor observation	673	741	705	840	686	715	573	627	610	532	351
Position on Road	91	166	368	400	359	399	357	398	453	408	240
Road factors	230	250	272	303	262	216	212	261	252	279	133
Travel Speed	446	525	511	639	529	493	524	536	586	566	283
Vehicle factors	96	89	128	163	135	130	106	123	117	120	65
Weather	81	78	55	117	95	74	73	76	76	86	37
TOTAL factors	4,317	4,693	5,059	6,074	5,350	5,388	4,879	5,135	5,455	5,202	2,953

* 2023 and 2024 data is incomplete and is current from CAS as at 13 August 2024

Factors are counted once against a crash - that is, 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