



OIA-15159

**Report Date:** 10/05/2024  
**Data extract date:** 10/05/2024  
**Requester:** [REDACTED]  
**Request:**

Could you please provide figures and percentages, for each year between January 1 2019 to today that show the gender percentage breakdown of all crashes in both the Otago and Southland regions? Including whether those crashes were fatal, non-fatal or resulted in no injuries.

Can I also please get the full year data of each year from 2019 to today for Otago and Southland that show causes for the crashes including the gender breakdown.

i.e. the gender percentage and number of drivers involved in crashes for each year where speed was a factor?

- Can I also please get the location breakdown, i.e. 100 zone, 50 zone, ect.

**Source database:** CAS  
**Report produced by:** Peter McGinty (Data Services)  
**Peer reviewed by:** Wonsang Yu (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 2.9.0.
- NZ Transport Agency (NZTA) Waka Kotahi maintains the CAS which is updated once a Traffic Crash Report (TCR) is received from NZ Police sometime after the crash.
- 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.
- 2023 and 2024 data is not yet complete in CAS but these are the current figures from CAS as at 10/05/2024.
- Data is for all crashes for the years 2019 to 2024 as recorded in CAS to date - 10/05/2024.
- Data is limited to crashes in the Otago and Southland regions.
- Data is limited to "Drivers" of motor vehicles and excludes train drivers, cyclists and pedestrians.
- There can be multiple drivers in a crash with different genders and some crashes will be represented in the totals for each gender breakdown.
- 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.
- Fatal crash report data is usually recorded in CAS within one working day of Waka Kotahi receiving it from NZ Police. Serious Injury and Minor injury crash report data is usually recorded in CAS within 4 weeks. Data relating to non-injury crashes may take up to 7 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.
- Crash severity is the severity of the worst injury in the crash.
- The cause of a crash cannot necessarily be attributed to any one factor (eg fatigue) as a crash may have multiple factors.
- 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 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.

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

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

Drivers involved in crashes in the Otago and Southland regions 2019 to 2024 by gender					
Region	Crash Year	Crash Severity	Female	Male	Gender Not Recorded
Otago Region	2019	Fatal Crash	3	20	2
Otago Region	2019	Serious Crash	45	115	8
Otago Region	2019	Minor Crash	283	438	78
Otago Region	2019	Non-Injury Crash	657	1173	448
Otago Region	2020	Fatal Crash	9	23	
Otago Region	2020	Serious Crash	27	67	7
Otago Region	2020	Minor Crash	285	374	66
Otago Region	2020	Non-Injury Crash	531	959	399
Otago Region	2021	Fatal Crash	4	17	
Otago Region	2021	Serious Crash	37	95	10
Otago Region	2021	Minor Crash	223	344	65
Otago Region	2021	Non-Injury Crash	564	921	432
Otago Region	2022	Fatal Crash	3	16	2
Otago Region	2022	Serious Crash	33	103	9
Otago Region	2022	Minor Crash	249	375	61
Otago Region	2022	Non-Injury Crash	458	725	264
Otago Region	2023*	Fatal Crash	6	17	7
Otago Region	2023*	Serious Crash	52	96	9
Otago Region	2023*	Minor Crash	228	356	68
Otago Region	2023*	Non-Injury Crash	421	706	213
Otago Region	2024*	Fatal Crash		10	
Otago Region	2024*	Serious Crash	11	30	4
Otago Region	2024*	Minor Crash	78	107	27
Southland Region	2019	Fatal Crash	4	7	
Southland Region	2019	Serious Crash	27	52	4
Southland Region	2019	Minor Crash	125	181	23
Southland Region	2019	Non-Injury Crash	304	468	127
Southland Region	2020	Fatal Crash	6	15	1
Southland Region	2020	Serious Crash	14	52	6
Southland Region	2020	Minor Crash	120	164	18
Southland Region	2020	Non-Injury Crash	233	417	146
Southland Region	2021	Fatal Crash	1	7	1
Southland Region	2021	Serious Crash	21	50	8
Southland Region	2021	Minor Crash	120	172	36
Southland Region	2021	Non-Injury Crash	290	410	149
Southland Region	2022	Fatal Crash	2	12	6
Southland Region	2022	Serious Crash	13	43	3
Southland Region	2022	Minor Crash	129	197	34
Southland Region	2022	Non-Injury Crash	214	294	111
Southland Region	2023*	Fatal Crash	1	10	1
Southland Region	2023*	Serious Crash	9	45	2
Southland Region	2023*	Minor Crash	103	161	20
Southland Region	2023*	Non-Injury Crash	186	328	115
Southland Region	2024*	Fatal Crash		2	
Southland Region	2024*	Serious Crash	8	16	2
Southland Region	2024*	Minor Crash	38	59	11

**Question 1:**

Could you please provide figures and percentages, for each year between January 1 2019 to today that show the gender percentage breakdown of all crashes in both the Otago and Southland regions? Including whether those crashes were fatal, non-fatal or resulted in no injuries.

\* 2023 and 2024 data is not yet complete in CAS but these are the current figures from CAS as at 10/05/2024

Total number of crashes during this period were 12,284, involving 19,404 drivers as many crashes involve more than one vehicle and more than one driver.

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

Road Safety Factors recorded against drivers involved in crashes in the Otago and Southland regions 2019 to 2023 by gender					
Region	Crash Year	Road Safety Factor Group	Female	Male	Gender Not Recorded
Otago Region	2019	Alcohol and or Drugs	128	334	11
Otago Region	2019	Disabled, old age or illness	11	34	1
Otago Region	2019	Failed to give way or stop	132	172	11
Otago Region	2019	Fatigue	20	56	2
Otago Region	2019	Inappropriate speed	61	182	25
Otago Region	2019	Incorrect lanes or position	128	264	99
Otago Region	2019	Miscellaneous factors	21	55	8
Otago Region	2019	Overtaking	4	8	3
Otago Region	2019	Poor handling	105	205	31
Otago Region	2019	Poor judgement	110	176	22
Otago Region	2019	Poor observation	229	364	66
Otago Region	2019	Position on Road	42	118	20
Otago Region	2019	Road factors	49	90	4
Otago Region	2019	Vehicle factors	10	64	3
Otago Region	2020	Alcohol and or Drugs	116	267	10
Otago Region	2020	Disabled, old age or illness	14	28	12
Otago Region	2020	Failed to give way or stop	92	127	17
Otago Region	2020	Fatigue	15	55	1
Otago Region	2020	Inappropriate speed	52	146	32
Otago Region	2020	Incorrect lanes or position	99	222	71
Otago Region	2020	Miscellaneous factors	16	42	10
Otago Region	2020	Overtaking	2	15	4
Otago Region	2020	Poor handling	107	170	32
Otago Region	2020	Poor judgement	93	145	16
Otago Region	2020	Poor observation	194	312	47
Otago Region	2020	Position on Road	42	86	19
Otago Region	2020	Road factors	62	92	4
Otago Region	2020	Vehicle factors	17	54	10
Otago Region	2021	Alcohol and or Drugs	63	266	13
Otago Region	2021	Disabled, old age or illness	16	37	1
Otago Region	2021	Failed to give way or stop	100	125	11
Otago Region	2021	Fatigue	13	47	1
Otago Region	2021	Inappropriate speed	49	153	16
Otago Region	2021	Incorrect lanes or position	97	180	86
Otago Region	2021	Miscellaneous factors	25	51	5
Otago Region	2021	Overtaking	8	16	3
Otago Region	2021	Poor handling	89	170	22
Otago Region	2021	Poor judgement	90	114	10
Otago Region	2021	Poor observation	181	274	55
Otago Region	2021	Position on Road	30	121	27
Otago Region	2021	Road factors	42	79	2
Otago Region	2021	Vehicle factors	19	54	6
Otago Region	2022	Alcohol and or Drugs	71	201	15
Otago Region	2022	Disabled, old age or illness	12	22	1
Otago Region	2022	Failed to give way or stop	106	113	11
Otago Region	2022	Fatigue	17	63	1
Otago Region	2022	Inappropriate speed	48	140	18
Otago Region	2022	Incorrect lanes or position	91	187	53
Otago Region	2022	Miscellaneous factors	24	46	4
Otago Region	2022	Overtaking	4	13	2
Otago Region	2022	Poor handling	86	154	19
Otago Region	2022	Poor judgement	100	116	8
Otago Region	2022	Poor observation	173	251	32
Otago Region	2022	Position on Road	42	104	15
Otago Region	2022	Road factors	54	70	3
Otago Region	2022	Vehicle factors	6	51	7
Otago Region	2023*	Alcohol and or Drugs	68	187	5
Otago Region	2023*	Disabled, old age or illness	20	27	1
Otago Region	2023*	Failed to give way or stop	99	130	17
Otago Region	2023*	Fatigue	19	39	3
Otago Region	2023*	Inappropriate speed	50	131	13
Otago Region	2023*	Incorrect lanes or position	82	156	24
Otago Region	2023*	Miscellaneous factors	16	42	4
Otago Region	2023*	Overtaking	6	6	3
Otago Region	2023*	Poor handling	95	163	13
Otago Region	2023*	Poor judgement	87	114	12
Otago Region	2023*	Poor observation	143	216	32
Otago Region	2023*	Position on Road	50	94	18
Otago Region	2023*	Road factors	31	61	5
Otago Region	2023*	Vehicle factors	11	42	5
Southland Region	2019	Alcohol and or Drugs	67	123	2
Southland Region	2019	Disabled, old age or illness	7	10	1
Southland Region	2019	Failed to give way or stop	59	96	7
Southland Region	2019	Fatigue	9	29	2
Southland Region	2019	Inappropriate speed	31	84	11
Southland Region	2019	Incorrect lanes or position	55	93	28
Southland Region	2019	Miscellaneous factors	6	20	6
Southland Region	2019	Overtaking	1	5	1
Southland Region	2019	Poor handling	51	117	18
Southland Region	2019	Poor judgement	51	80	3
Southland Region	2019	Poor observation	98	161	26
Southland Region	2019	Position on Road	23	50	11
Southland Region	2019	Road factors	19	33	1
Southland Region	2019	Vehicle factors	4	31	4
Southland Region	2020	Alcohol and or Drugs	50	138	12
Southland Region	2020	Disabled, old age or illness	9	13	2
Southland Region	2020	Failed to give way or stop	52	85	7
Southland Region	2020	Fatigue	6	26	1
Southland Region	2020	Inappropriate speed	17	72	22
Southland Region	2020	Incorrect lanes or position	36	85	27
Southland Region	2020	Miscellaneous factors	4	19	3
Southland Region	2020	Overtaking	3	5	1
Southland Region	2020	Poor handling	33	90	18
Southland Region	2020	Poor judgement	34	63	5
Southland Region	2020	Poor observation	85	147	20
Southland Region	2020	Position on Road	12	51	26
Southland Region	2020	Road factors	18	35	3
Southland Region	2020	Vehicle factors	2	18	3
Southland Region	2021	Alcohol and or Drugs	63	115	5
Southland Region	2021	Disabled, old age or illness	4	12	1
Southland Region	2021	Failed to give way or stop	80	76	11
Southland Region	2021	Fatigue	7	20	1
Southland Region	2021	Inappropriate speed	23	66	18
Southland Region	2021	Incorrect lanes or position	41	75	28
Southland Region	2021	Miscellaneous factors	9	32	2
Southland Region	2021	Overtaking	1	8	2
Southland Region	2021	Poor handling	41	86	15
Southland Region	2021	Poor judgement	36	44	4
Southland Region	2021	Poor observation	120	131	30
Southland Region	2021	Position on Road	19	46	19
Southland Region	2021	Road factors	17	25	7
Southland Region	2021	Vehicle factors	9	31	2
Southland Region	2022	Alcohol and or Drugs	45	125	8
Southland Region	2022	Disabled, old age or illness	7	13	1
Southland Region	2022	Failed to give way or stop	66	72	13
Southland Region	2022	Fatigue	4	28	3
Southland Region	2022	Inappropriate speed	19	55	17
Southland Region	2022	Incorrect lanes or position	35	76	17
Southland Region	2022	Miscellaneous factors	10	17	10
Southland Region	2022	Overtaking	4	4	2
Southland Region	2022	Poor handling	35	64	13
Southland Region	2022	Poor judgement	36	43	2
Southland Region	2022	Poor observation	95	116	16
Southland Region	2022	Position on Road	16	55	11
Southland Region	2022	Road factors	12	23	1
Southland Region	2022	Vehicle factors	3	17	1
Southland Region	2023*	Alcohol and or Drugs	32	86	4
Southland Region	2023*	Disabled, old age or illness	9	10	1
Southland Region	2023*	Failed to give way or stop	62	77	8
Southland Region	2023*	Fatigue	4	24	1
Southland Region	2023*	Inappropriate speed	23	58	11
Southland Region	2023*	Incorrect lanes or position	31	55	24
Southland Region	2023*	Miscellaneous factors	4	24	14
Southland Region	2023*	Overtaking	2	3	1
Southland Region	2023*	Poor handling	34	65	13
Southland Region	2023*	Poor judgement	29	52	4
Southland Region	2023*	Poor observation	68	102	16
Southland Region	2023*	Position on Road	12	49	14
Southland Region	2023*	Road factors	18	28	2
Southland Region	2023*	Vehicle factors	5	19	2

Question 2: Can I also please get the full year data of each year from 2019 to today for Otago and Southland that show causes for the crashes including the gender breakdown.

i.e. the gender percentage and number of drivers involved in crashes for each year where speed was a factor?

\* 2023 data is not yet complete in CAS but these are the current figures from CAS as at 10/05/2024

Factors are counted against each driver in a crash.

Because a crash may have multiple factors there will be more total factors than crashes resulting in factors totalling more than 100% of all drivers in crashes. There can be multiple drivers in a crash with different genders and some crashes will be represented in the totals for each gender breakdown.

Total number of crashes during this period were 12,205, involving 19,003 drivers as many crashes involve more than vehicle and more than one driver.

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

Drivers involved in crashes in the Otago and Southland regions 2019 to 2024 by road speed limit and gender					
Region	Crash Year	Speed Limit	Female	Male	Gender Not Recorded
Otago Region	2019	10	4	3	2
Otago Region	2019	20	2		
Otago Region	2019	30	11	19	14
Otago Region	2019	40	3	1	3
Otago Region	2019	50	606	929	429
Otago Region	2019	60	17	24	6
Otago Region	2019	70	31	81	8
Otago Region	2019	80	66	111	10
Otago Region	2019	100	246	575	59
Otago Region	2019	Not Recorded	2	3	5
Otago Region	2020	10	3	3	
Otago Region	2020	20	1	3	
Otago Region	2020	30	7	11	3
Otago Region	2020	40	7	13	10
Otago Region	2020	50	502	777	400
Otago Region	2020	60	18	38	3
Otago Region	2020	70	34	52	5
Otago Region	2020	80	37	96	12
Otago Region	2020	90		3	
Otago Region	2020	100	220	425	36
Otago Region	2020	Not Recorded	3	2	3
Otago Region	2021	10	1	2	2
Otago Region	2021	20			
Otago Region	2021	30	3	12	6
Otago Region	2021	40	30	60	42
Otago Region	2021	50	510	719	378
Otago Region	2021	60	18	33	5
Otago Region	2021	70	20	38	17
Otago Region	2021	80	29	63	8
Otago Region	2021	100	207	442	47
Otago Region	2021	Not Recorded		6	2
Otago Region	2022	10	1	2	
Otago Region	2022	20		1	
Otago Region	2022	30	8	16	9
Otago Region	2022	40	36	44	24
Otago Region	2022	50	426	558	246
Otago Region	2022	60	12	33	2
Otago Region	2022	70	16	34	4
Otago Region	2022	80	45	81	9
Otago Region	2022	90		1	
Otago Region	2022	100	195	440	41
Otago Region	2022	Not Recorded	3	9	1
Otago Region	2023*	10	2	1	2
Otago Region	2023*	20	1	1	2
Otago Region	2023*	30	9	12	5
Otago Region	2023*	40	28	55	24
Otago Region	2023*	50	361	546	213
Otago Region	2023*	60	18	31	8
Otago Region	2023*	70	21	52	2
Otago Region	2023*	80	47	74	6
Otago Region	2023*	100	216	396	33
Otago Region	2023*	Not Recorded	4	7	2
Otago Region	2024*	30		2	
Otago Region	2024*	40	4	5	4
Otago Region	2024*	50	36	48	18
Otago Region	2024*	60		1	
Otago Region	2024*	70	1	3	
Otago Region	2024*	80	4	13	2
Otago Region	2024*	100	39	72	6
Otago Region	2024*	110	1	1	
Otago Region	2024*	Not Recorded	2	2	1
Southland Region	2019	10	3	1	
Southland Region	2019	20	1	2	
Southland Region	2019	30		1	2
Southland Region	2019	40	1	4	1
Southland Region	2019	50	283	333	108
Southland Region	2019	70	16	22	5
Southland Region	2019	80	12	17	2
Southland Region	2019	100	142	327	36
Southland Region	2019	Not Recorded	1	1	
Southland Region	2020	10	1	1	1
Southland Region	2020	20	2	2	
Southland Region	2020	40	1	1	
Southland Region	2020	50	237	339	124
Southland Region	2020	60		1	
Southland Region	2020	70	16	22	3
Southland Region	2020	80	11	16	2
Southland Region	2020	100	109	264	41
Southland Region	2020	Not Recorded		4	
Southland Region	2021	10	1	2	
Southland Region	2021	30	2	4	1
Southland Region	2021	50	277	360	141
Southland Region	2021	60		2	
Southland Region	2021	70	12	13	5
Southland Region	2021	80	11	23	2
Southland Region	2021	100	127	235	45
Southland Region	2021	Not Recorded	2		
Southland Region	2022	10	1		
Southland Region	2022	30	1	4	1
Southland Region	2022	50	241	289	109
Southland Region	2022	60	1	3	
Southland Region	2022	70	8	19	1
Southland Region	2022	80	5	18	2
Southland Region	2022	100	97	210	41
Southland Region	2022	Not Recorded	4	3	
Southland Region	2023*	10		1	
Southland Region	2023*	30	1	9	5
Southland Region	2023*	50	194	290	94
Southland Region	2023*	60	2	2	3
Southland Region	2023*	70	5	8	2
Southland Region	2023*	80	9	21	5
Southland Region	2023*	100	86	211	29
Southland Region	2023*	Not Recorded	2	2	
Southland Region	2024*	50	21	33	10
Southland Region	2024*	60	1	2	
Southland Region	2024*	80	2	3	
Southland Region	2024*	100	20	39	3
Southland Region	2024*	Not Recorded	2		

Question 3: Can I also please get the location breakdown, i.e. 100 zone, 50 zone, etc.

\* 2023 and 2024 data is not yet complete in CAS but these are the current figures from CAS as at 10/05/2024

Total number of crashes during this period were 12,284, involving 19,404 drivers as many crashes involve more than one vehicle and more than one driver.