

# WA Road Fatalities and Serious Injuries 2020

This publication reports on people who have been Killed or Seriously Injured (KSI) in a reported crash on WA roads or road-related areas that are open to the public. This excludes those KSI as a result of premeditated intent to cause harm (including suicide) or if they were in control of a vehicle and the crash was caused by them suffering a medical episode.

A fatality is defined as person killed immediately or within 30 days of the crash, as a result of injuries sustained in the crash.  
A serious injury is defined as person who is admitted to hospital as a result of a crash.

Data is accurate as at 31 May 2021

## People KSI by Main Roads region of crash

Main roads region	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
<b>Regional</b>	<b>698</b>	<b>709.8</b>	<b>666</b>	<b>-6%</b>
South West	291	253.0	250	-1%
Wheatbelt	156	172.6	138	-20%
Mid West- Gascoyne	65	74.0	78	5%
Great Southern	47	59.8	48	-20%
Goldfields- Esperance	46	53.2	58	9%
Kimberley	55	47.6	54	13%
Pilbara	38	49.6	40	-19%
<b>Metropolitan</b>	<b>1164</b>	<b>1232.0</b>	<b>1130</b>	<b>-8%</b>
<b>WA</b>	<b>1862</b>	<b>1941.8</b>	<b>1796</b>	<b>-8%</b>

## People KSI by sex

Sex	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
Male	1119	1177.0	1106	-6%
Female	732	742.2	681	-8%
Not recorded	11	22.6	9	-60%
<b>Total</b>	<b>1862</b>	<b>1941.8</b>	<b>1796</b>	<b>-8%</b>

## People KSI by road user age group

Age group	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
0-16	129	137.8	110	-20%
17-19	110	118.8	138	16%
20-29	391	442.0	401	-9%
30-39	294	306.2	316	3%
40-49	254	259.6	236	-9%
50-59	253	239.4	234	-2%
60-69	183	163.0	154	-6%
70-79	114	105.4	100	-5%
80+	97	83.6	75	-10%
Not recorded	37	86.0	32	-63%
<b>Total</b>	<b>1862</b>	<b>1941.8</b>	<b>1796</b>	<b>-8%</b>

## People KSI by road user type

Road user type	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
Motor vehicle occupant	1287	1295.4	1221	-6%
Motorcyclist	330	370.4	356	-4%
Pedestrian*	156	170.4	126	-26%
Cyclist	89	105.6	93	-12%
<b>Total</b>	<b>1862</b>	<b>1941.8</b>	<b>1796</b>	<b>-8%</b>

\*Pedestrians are not limited to people walking and can include those riding an animal, a motorised wheelchair, skateboarders or scooter riders.

## People KSI by crash month

Month	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
Jan	140	153.4	107	-30%
Feb	138	144.8	156	8%
Mar	154	182.4	156	-14%
Apr	161	173.4	86	-50%
May	172	173.0	140	-19%
Jun	138	148.0	144	-3%
Jul	154	158.4	172	9%
Aug	162	152.6	168	10%
Sep	169	154.6	153	-1%
Oct	186	166.4	186	12%
Nov	145	169.8	180	6%
Dec	143	165.0	148	-10%
<b>Total</b>	<b>1862</b>	<b>1941.8</b>	<b>1796</b>	<b>-8%</b>

## People KSI by speed limit

Speed limit	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
Not recorded	88	96.2	82	-15%
<40km/h	6	6.2	6	-3%
40km/h	28	25.0	23	-8%
50km/h	320	354.8	317	-11%
60km/h	405	428.0	408	-5%
70km/h	271	274.6	244	-11%
80km/h	137	158.2	169	7%
90km/h	58	67.6	39	-42%
100km/h	144	114.0	133	17%
110km/h	405	417.2	375	-10%
<b>Total</b>	<b>1862</b>	<b>1941.8</b>	<b>1796</b>	<b>-8%</b>

## People KSI by behavioural factor suspected\*

Behavioural factor suspected	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
Speed-related	304	317.2	337	6%
Fatigue-related	230	231.8	219	-6%
Inattention-related	97	90.0	99	10%

\*Cannot be summed.

Alcohol involvement is not available due to changes in data sharing arrangements.

Speed and fatigue involvement are suspected based on preliminary assessments by attending police and crash circumstances.

Inattention is based on preliminary assessments by attending police.

## People KSI by seatbelt/helmet use

Seatbelt/helmet usage	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
Motor vehicle occupant seatbelt not worn	74	79.0	98	24%
Motorcyclist helmet not worn	12	17.4	13	-25%
Cyclist helmet not worn	17	16.2	5	-69%
<b>Total</b>	<b>103</b>	<b>112.6</b>	<b>116</b>	<b>3%</b>

## People KSI by vehicle type

Vehicle type	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
Light vehicle	1247	1252.4	1173	-6%
Motorcycle	330	370.4	356	-4%
Pedestrian	156	170.4	126	-26%
Bicycle	89	105.6	93	-12%
Heavy vehicle	34	33.6	36	7%
Bus/multi-seater van	6	8.6	12	40%
Other	0	0.8	0	-100%
<b>Total</b>	<b>1862</b>	<b>1941.8</b>	<b>1796</b>	<b>-8%</b>

## People KSI by crash nature

Crash nature	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
<b>Multi vehicle</b>	975	1013.6	919	-9%
Right angle	342	349.0	343	-2%
Right turn thru	187	187.2	172	-8%
Rear end	253	260.0	211	-19%
Head on	106	131.8	99	-25%
Sideswipe same direction	87	85.6	94	10%
<b>Single vehicle</b>	820	868.8	801	-8%
Hit object	403	423.8	418	-1%
Non collision	252	261.4	250	-4%
Hit pedestrian	147	165.2	119	-28%
Hit animal	18	18.4	14	-24%
<b>Not recorded</b>	67	59.4	76	28%
<b>Total</b>	<b>1862</b>	<b>1941.8</b>	<b>1796</b>	<b>-8%</b>

\*Multi vehicle may include a motor vehicle and a bicycle.

# Fatality data

## Fatalities by Main Roads region of crash

Main roads region	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
<b>Regional</b>	<b>109</b>	<b>105.8</b>	<b>100</b>	<b>-5%</b>
South West	36	30.8	34	10%
Wheatbelt	24	29.8	22	-26%
Kimberley	9	8.8	11	25%
Mid West- Gascoyne	6	12.6	11	-13%
Great Southern	11	9.8	10	2%
Goldfields- Esperance	12	6.8	8	18%
Pilbara	11	7.2	4	-44%
<b>Metropolitan</b>	<b>55</b>	<b>62.2</b>	<b>55</b>	<b>-12%</b>
<b>WA</b>	<b>164</b>	<b>168</b>	<b>155</b>	<b>-8%</b>

## Fatalities by sex

Sex	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
Male	121	127.4	115	-10%
Female	41	40.2	40	0%
Not recorded	2	0.4	0	-100%
<b>Total</b>	<b>164</b>	<b>168.0</b>	<b>155</b>	<b>-8%</b>

## Fatalities by road user age group

Age group	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
0-16	7	10.6	8	-25%
17-19	7	10.8	14	30%
20-29	36	40.8	33	-19%
30-39	23	26	22	-15%
40-49	32	29	18	-38%
50-59	17	15.6	27	73%
60-69	18	13.6	13	-4%
70-79	10	9.8	9	-8%
80+	13	11.2	11	-2%
Not recorded	1	0.6	0	-100%
<b>Total</b>	<b>164</b>	<b>168</b>	<b>155</b>	<b>-8%</b>

## Fatalities by road user type

Road user type	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
Motor vehicle occupant	115	118	115	-3%
Motorcyclist	32	29.8	26	-13%
Pedestrian*	16	16.2	9	-44%
Cyclist	1	4	5	25%
<b>Total</b>	<b>164</b>	<b>168</b>	<b>155</b>	<b>-8%</b>

\*Pedestrians are not limited to people walking and can include those riding an animal, a motorised wheelchair, skateboarders or scooter riders.

## Fatalities by crash month

Month	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
Jan	20	15.6	11	-29%
Feb	13	11.2	12	7%
Mar	11	16.8	11	-35%
Apr	15	16	9	-44%
May	14	11	15	36%
Jun	19	12.8	12	-6%
Jul	10	11.2	14	25%
Aug	16	15.8	13	-18%
Sep	11	13.2	10	-24%
Oct	9	13.2	18	36%
Nov	10	13.2	19	44%
Dec	16	18	11	-39%
<b>Total</b>	<b>164</b>	<b>168</b>	<b>155</b>	<b>-8%</b>

## Fatalities by speed limit

Speed limit	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
Not recorded	0	0.4	1	150%
<40km/h	2	1	0	-100%
40km/h	2	0.8	1	25%
50km/h	17	21	18	-14%
60km/h	23	20.2	11	-46%
70km/h	7	15.8	11	-30%
80km/h	11	12.8	21	64%
90km/h	7	9.6	9	-6%
100km/h	13	9.8	10	2%
110km/h	82	76.6	73	-5%
<b>Total</b>	<b>164</b>	<b>168</b>	<b>155</b>	<b>-8%</b>

## Fatalities by behavioural factor suspected\*

Behavioural factor suspected	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
Speed-related	71	60.6	66	9%
Fatigue-related	33	40.4	34	-16%
Inattention-related	35	21	20	-5%

\*Cannot be summed.

Alcohol involvement is not available due to changes in data sharing arrangements.

Speed and fatigue involvement are suspected based on preliminary assessments by attending police and crash circumstances.

Inattention is based on preliminary assessments by attending police.

## Fatalities by seatbelt/helmet use

Seatbelt/helmet usage	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
Motor vehicle occupant seatbelt not worn	26	25.2	27	7%
Motorcyclist helmet not worn	1	2.4	1	-58%
Cyclist helmet not worn	1	1.4	1	-29%
<b>Total</b>	<b>28</b>	<b>29</b>	<b>29</b>	<b>0%</b>

## Fatalities by vehicle type

Vehicle type	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
Light vehicle	108	111.8	109	-3%
Motorcycle	32	29.8	26	-13%
Pedestrian	16	16.2	9	-44%
Heavy vehicle	7	5.6	6	7%
Bicycle	1	4	5	25%
Bus/multi-seater van	0	0.6	0	-100%
<b>Total</b>	<b>164</b>	<b>168</b>	<b>155</b>	<b>-8%</b>

## Fatalities by crash nature

Crash nature	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
<b>Multi vehicle</b>	43	56.6	56	-1%
Rear end	4	8.4	1	-88%
Head on	17	24.2	19	-21%
Sideswipe same direction	2	5	3	-40%
Right angle	16	13.4	22	64%
Right turn thru	4	5.6	11	96%
<b>Single vehicle</b>	114	105.6	96	-9%
Hit pedestrian	14	14	8	-43%
Hit animal	3	1.6	0	-100%
Hit object	69	64.2	62	-3%
Non collision	28	25.8	26	1%
<b>Not recorded</b>	7	5.8	3	-48%
<b>Total</b>	<b>164</b>	<b>168</b>	<b>155</b>	<b>-8%</b>

\*Multi vehicle may include a motor vehicle and a bicycle.

# Serious Injuries data

## Serious injuries by Main Roads region of crash

Main roads region	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
<b>Regional</b>	<b>589</b>	<b>604.0</b>	<b>566</b>	<b>-6%</b>
South West	255	222.2	216	-3%
Wheatbelt	132	142.8	116	-19%
Mid West- Gascoyne	59	61.4	67	9%
Goldfields- Esperance	34	46.4	50	8%
Kimberley	46	38.8	43	11%
Great Southern	36	50.0	38	-24%
Pilbara	27	42.4	36	-15%
<b>Metropolitan</b>	<b>1109</b>	<b>1169.8</b>	<b>1075</b>	<b>-8%</b>
<b>WA</b>	<b>1698</b>	<b>1773.8</b>	<b>1641</b>	<b>-7%</b>

## Serious injuries by sex

Sex	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
Male	998	1049.6	991	-6%
Female	691	702.0	641	-9%
Not recorded	9	22.2	9	-59%
<b>Total</b>	<b>1698</b>	<b>1773.8</b>	<b>1641</b>	<b>-7%</b>

## Serious injuries by road user age group

Age group	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
0-16	122	127.2	102	-20%
17-19	103	108.0	124	15%
20-29	355	401.2	368	-8%
30-39	271	280.2	294	5%
40-49	222	230.6	218	-5%
50-59	236	223.8	207	-8%
60-69	165	149.4	141	-6%
70-79	104	95.6	91	-5%
80+	84	72.4	64	-12%
Not recorded	36	85.4	32	-63%
<b>Total</b>	<b>1698</b>	<b>1773.8</b>	<b>1641</b>	<b>-7%</b>

## Serious injuries by road user type

Road user type	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
Motor vehicle occupant	1172	1177.4	1106	-6%
Motorcyclist	298	340.6	330	-3%
Pedestrian*	140	154.2	117	-24%
Cyclist	88	101.6	88	-13%
<b>Total</b>	<b>1698</b>	<b>1773.8</b>	<b>1641</b>	<b>-7%</b>

\*Pedestrians are not limited to people walking and can include those riding an animal, a motorised wheelchair, skateboarders or scooter riders.

## Serious injuries by crash month

Month	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
Jan	120	137.8	96	-30%
Feb	125	133.6	144	8%
Mar	143	165.6	145	-12%
Apr	146	157.4	77	-51%
May	158	162.0	125	-23%
Jun	119	135.2	132	-2%
Jul	144	147.2	158	7%
Aug	146	136.8	155	13%
Sep	158	141.4	143	1%
Oct	177	153.2	168	10%
Nov	135	156.6	161	3%
Dec	127	147.0	137	-7%
<b>Total</b>	<b>1698</b>	<b>1773.8</b>	<b>1641</b>	<b>-7%</b>

## Serious injuries by speed limit

Speed limit	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
Not recorded	88	95.8	81	-15%
<40km/h	4	5.2	6	15%
40km/h	26	24.2	22	-9%
50km/h	303	333.8	299	-10%
60km/h	382	407.8	397	-3%
70km/h	264	258.8	233	-10%
80km/h	126	145.4	148	2%
90km/h	51	58.0	30	-48%
100km/h	131	104.2	123	18%
110km/h	323	340.6	302	-11%
<b>Total</b>	<b>1698</b>	<b>1773.8</b>	<b>1641</b>	<b>-7%</b>

## Serious injuries by behavioural factor suspected\*

Behavioural factor suspected	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
Speed-related	233	256.6	271	6%
Fatigue-related	197	191.4	185	-3%
Inattention-related	62	69.0	79	14%

\*Cannot be summed.

Alcohol involvement is not available due to changes in data sharing arrangements.

Speed and fatigue involvement are suspected based on preliminary assessments by attending police and crash circumstances.

Inattention is based on preliminary assessments by attending police.

## Serious injuries by seatbelt/helmet use

Seatbelt/helmet usage	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
Motor vehicle occupant seatbelt not worn	48	53.8	71	32%
Motorcyclist helmet not worn	11	15.0	12	-20%
Cyclist helmet not worn	16	14.8	4	-73%
<b>Total</b>	<b>75</b>	<b>83.6</b>	<b>87</b>	<b>4%</b>

## Serious injuries by vehicle type

Vehicle type	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
Light vehicle	1139	1140.6	1064	-7%
Heavy vehicle	27	28.0	30	7%
Bus/multi-seater van	6	8.0	12	50%
Motorcycle	298	340.6	330	-3%
Bicycle	88	101.6	88	-13%
Pedestrian	140	154.2	117	-24%
Other	0	0.8	0	-100%
<b>Total</b>	<b>1698</b>	<b>1773.8</b>	<b>1641</b>	<b>-7%</b>

## Serious injuries by crash nature

Crash nature	2019	5 Year Average (5YA)	2020	% change (2020 v 5YA)
<b>Multi vehicle*</b>	932	957.0	863	-10%
Rear end	249	251.6	210	-17%
Head on	89	107.6	80	-26%
Sideswipe same direction	85	80.6	91	13%
Right angle	326	335.6	321	-4%
Right turn thru	183	181.6	161	-11%
<b>Single vehicle</b>	706	763.2	705	-8%
Hit pedestrian	133	151.2	111	-27%
Hit animal	15	16.8	14	-17%
Hit object	334	359.6	356	-1%
Non collision	224	235.6	224	-5%
<b>Not recorded</b>	60	53.6	73	36%
<b>Total</b>	<b>1698</b>	<b>1773.8</b>	<b>1641</b>	<b>-7%</b>

\*Multi vehicle may include a motor vehicle and a bicycle.

Unless otherwise identified, the Road Safety Commission prepared the data reported here using data from the Main Roads WA Integrated Road Information System (IRIS). This data is accurate as at 31 May 2021. Numbers may change in the future due to police investigation or coronial inquiry. For this reason, comparisons between this publication and others may result in discrepancies. The definitions of categories and regional boundaries differ from data sourced from WA Police Force systems.