

# WA Road Fatalities and Serious Injuries 2021

## As at 27 April 2022

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.

### People KSI by Main Roads region of crash

Main Roads region	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
<b>Regional</b>	<b>667</b>	<b>693.2</b>	<b>657</b>	<b>-5.2%</b>
Goldfields - Esperance	58	52.2	61	16.9%
Great Southern	48	57.6	43	-25.3%
Kimberley	54	47.8	66	38.1%
Mid West - Gascoyne	78	71.4	67	-6.2%
Pilbara	40	45.4	58	27.8%
South West	251	256.6	196	-23.6%
Wheatbelt	138	162.2	166	2.3%
<b>Metropolitan</b>	<b>1130</b>	<b>1185.2</b>	<b>1096</b>	<b>-7.5%</b>
<b>WA</b>	<b>1797</b>	<b>1878.4</b>	<b>1753</b>	<b>-6.7%</b>

### People KSI by sex

Sex	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
Male	1107	1141.2	1045	-8.4%
Female	681	719.0	700	-2.6%
Not recorded	9	18.2	8	-56.0%
<b>Total</b>	<b>1797</b>	<b>1878.4</b>	<b>1753</b>	<b>-6.7%</b>

## People KSI by road user age group

Age group	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
0-16	110	129.4	114	-11.9%
17-19	138	118.0	125	5.9%
20-29	401	425.2	340	-20.0%
30-39	316	303.4	288	-5.1%
40-49	237	251.0	242	-3.6%
50-59	234	242.8	226	-6.9%
60-69	154	160.0	181	13.1%
70-79	100	104.4	116	11.1%
80+	75	84.4	85	0.7%
Not recorded	32	59.8	36	-39.8%
<b>Total</b>	<b>1797</b>	<b>1878.4</b>	<b>1753</b>	<b>-6.7%</b>

## People KSI by road user type

Road user type	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
<b>Motor vehicle occupant</b>	<b>1222</b>	<b>1256.0</b>	<b>1227</b>	<b>-2.3%</b>
Motor vehicle driver	830	865.2	844	-2.5%
Motor vehicle passenger	392	390.8	383	-2.0%
<b>Motorcyclist</b>	<b>356</b>	<b>357.8</b>	<b>292</b>	<b>-18.4%</b>
Motorcycle rider	321	336.8	274	-18.6%
Motorcycle pillion	35	21.0	18	-14.3%
<b>Pedestrian*</b>	<b>126</b>	<b>163.2</b>	<b>142</b>	<b>-13.0%</b>
<b>Cyclist</b>	<b>93</b>	<b>101.4</b>	<b>91</b>	<b>-10.3%</b>
<b>Other/unknown</b>	<b>0</b>	<b>0.0</b>	<b>1</b>	<b>100.0%</b>
<b>Total</b>	<b>1797</b>	<b>1878.4</b>	<b>1753</b>	<b>-6.7%</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	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
January	107	139.8	191	36.6%
February	156	140.0	146	4.3%
March	156	169.4	173	2.1%
April	86	153.8	117	-23.9%
May	140	161.8	160	-1.1%
June	144	147.6	119	-19.4%
July	172	156.2	156	-0.1%
August	168	155.2	152	-2.1%
September	153	156.0	157	0.6%
October	186	170.0	130	-23.5%
November	180	167.6	117	-30.2%
December	149	161.0	135	-16.1%
<b>Total</b>	<b>1797</b>	<b>1878.4</b>	<b>1753</b>	<b>-6.7%</b>

## People KSI by speed limit

Speed limit	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
<40km/h	6	6.8	6	-11.8%
40km/h	23	25.6	27	5.5%
50km/h	319	340.6	301	-11.6%
60km/h	410	413.2	391	-5.4%
70km/h	239	260.4	259	-0.5%
80km/h	168	154.8	157	1.4%
90km/h	39	59.6	39	-34.6%
100km/h	131	117.0	125	6.8%
110km/h	376	403.4	376	-6.8%
Not recorded	86	97.0	72	-25.8%
<b>Total</b>	<b>1797</b>	<b>1878.4</b>	<b>1753</b>	<b>-6.7%</b>

## People KSI by behavioural factor suspected\*

Behavioural factor suspected	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
Speed-related	338	332.6	308	-7.4%
Fatigue-related	220	226.0	210	-7.1%
Inattention-related	99	104.8	91	-13.2%

\*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 not wearing a seatbelt or helmet

Seatbelt/helmet use	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
<b>Motor vehicle occupant</b>	<b>98</b>	<b>81.6</b>	<b>85</b>	<b>4.2%</b>
Motor vehicle driver	42	39.2	45	14.8%
Motor vehicle passenger	56	42.4	40	-5.7%
<b>Motorcyclist</b>	<b>13</b>	<b>16.0</b>	<b>9</b>	<b>-43.8%</b>
Motorcycle rider	10	13.0	9	-30.8%
Motorcycle pillion	3	3.0	0	-100.0%
<b>Cyclist</b>	<b>5</b>	<b>15.0</b>	<b>4</b>	<b>-73.3%</b>
<b>Other/unknown</b>	<b>0</b>	<b>0.0</b>	<b>1</b>	<b>100.0%</b>
<b>Total</b>	<b>116</b>	<b>112.6</b>	<b>99</b>	<b>-12.1%</b>

## People KSI by vehicle type

Vehicle type	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
Light vehicle	1174	1211.2	1194	-1.4%
Motorcycle	356	357.8	292	-18.4%
Pedestrian	126	163.2	142	-13.0%
Bicycle	93	101.4	91	-10.3%
Heavy vehicle	36	34.8	23	-33.9%
Bus/multi-seater van	12	9.6	10	4.2%
Other	0	0.4	1	150.0%
<b>Total</b>	<b>1797</b>	<b>1878.4</b>	<b>1753</b>	<b>-6.7%</b>

## People KSI by crash nature

Crash nature	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
<b>Multi vehicle*</b>	<b>919</b>	<b>976.8</b>	<b>931</b>	<b>-4.7%</b>
Head on	99	125.4	111	-11.5%
Rear end	211	248.6	240	-3.5%
Right angle	343	338.0	318	-5.9%
Right turn thru	172	180.4	195	8.1%
Sideswipe**	94	84.4	67	-20.6%
<b>Single vehicle</b>	<b>801</b>	<b>837.8</b>	<b>761</b>	<b>-9.2%</b>
Hit animal	14	17.0	25	47.1%
Hit object	419	415.0	378	-8.9%
Hit pedestrian	119	157.6	131	-16.9%
Non collision	249	248.2	227	-8.5%
<b>Not recorded</b>	<b>77</b>	<b>63.8</b>	<b>61</b>	<b>-4.4%</b>
<b>Total</b>	<b>1797</b>	<b>1878.4</b>	<b>1753</b>	<b>-6.7%</b>

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

\*\* Not including near - head on.



# Fatalities

## Fatalities by Main Roads region of crash

Main Roads region	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
<b>Regional</b>	<b>100</b>	<b>107.4</b>	<b>105</b>	<b>-2.2%</b>
Goldfields - Esperance	8	7.8	14	79.5%
Great Southern	10	11.0	11	0.0%
Kimberley	11	9.0	4	-55.6%
Mid West- Gascoyne	11	10.8	8	-25.9%
Pilbara	4	6.2	5	-19.4%
South West	34	33.0	31	-6.1%
Wheatbelt	22	29.6	32	8.1%
<b>Metropolitan</b>	<b>55</b>	<b>59.4</b>	<b>61</b>	<b>2.7%</b>
<b>WA</b>	<b>155</b>	<b>166.8</b>	<b>166</b>	<b>-0.5%</b>

## Fatalities by sex

Sex	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
Male	115	126.2	128	1.4%
Female	40	40.2	38	-5.5%
Not recorded	0	0.4	0	-100.0%
<b>Total</b>	<b>155</b>	<b>166.8</b>	<b>166</b>	<b>-0.5%</b>

## Fatalities by road user age group

Age group	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
0-16	8	9.4	11	17.0%
17-19	14	10.4	6	-42.3%
20-29	33	39.2	40	2.0%
30-39	22	26.2	22	-16.0%
40-49	18	28.4	17	-40.1%
50-59	27	17.8	23	29.2%
60-69	13	13.2	19	43.9%
70-79	9	9.4	13	38.3%
80+	11	12.2	13	6.6%
Not recorded	0	0.6	2	233.3%
<b>Total</b>	<b>155</b>	<b>166.8</b>	<b>166</b>	<b>-0.5%</b>

## Fatalities by road user type

Road user type	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
<b>Motor vehicle occupant</b>	<b>115</b>	<b>116.8</b>	<b>107</b>	<b>-8.4%</b>
Motor vehicle driver	81	81.2	82	1.0%
Motor vehicle passenger	34	35.6	25	-29.8%
<b>Motorcyclist</b>	<b>26</b>	<b>30.6</b>	<b>34</b>	<b>11.1%</b>
Motorcycle rider	26	29.8	33	10.7%
Motorcycle pillion	0	0.8	1	25.0%
<b>Pedestrian*</b>	<b>9</b>	<b>15.0</b>	<b>21</b>	<b>40.0%</b>
<b>Cyclist</b>	<b>5</b>	<b>4.4</b>	<b>4</b>	<b>-9.1%</b>
<b>Total</b>	<b>155</b>	<b>166.8</b>	<b>166</b>	<b>-0.5%</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	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
January	11	15.8	25	58.2%
February	12	10.8	8	-25.9%
March	11	14.8	11	-25.7%
April	9	15.0	12	-20.0%
May	15	12.4	16	29.0%
June	12	12.8	12	-6.3%
July	14	13.0	15	15.4%
August	13	14.2	11	-22.5%
September	10	12.2	18	47.5%
October	18	14.4	10	-30.6%
November	19	14.6	14	-4.1%
December	11	16.8	14	-16.7%
<b>Total</b>	<b>155</b>	<b>166.8</b>	<b>166</b>	<b>-0.5%</b>

## Fatalities by speed limit

Speed limit	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
<40km/h	0	1.0	2	100.0%
40km/h	1	0.6	2	233.3%
50km/h	17	20.8	25	20.2%
60km/h	11	18.6	18	-3.2%
70km/h	11	14.2	13	-8.5%
80km/h	21	13.8	15	8.7%
90km/h	9	8.8	8	-9.1%
100km/h	10	9.6	15	56.3%
110km/h	74	78.8	63	-20.1%
Not recorded	1	0.6	5	733.3%
<b>Total</b>	<b>155</b>	<b>166.8</b>	<b>166</b>	<b>-0.5%</b>



## Fatalities by behavioural factor suspected\*

Behavioural factor suspected	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
Speed-related	66	68.0	68	0.0%
Fatigue-related	34	37.8	39	3.2%
Inattention-related	20	25.0	30	20.0%

\*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 not wearing a seatbelt or helmet

Seatbelt/helmet use	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
<b>Motor vehicle occupant</b>	<b>27</b>	<b>24.6</b>	<b>14</b>	<b>-43.1%</b>
Motor vehicle driver	14	14.8	10	-32.4%
Motor vehicle passenger	13	9.8	4	-59.2%
<b>Motorcyclist</b>	<b>1</b>	<b>2.6</b>	<b>2</b>	<b>-23.1%</b>
Motorcycle rider	1	2.0	2	0.0%
Motorcycle pillion	0	0.6	0	-100.0%
<b>Cyclist</b>	<b>1</b>	<b>1.4</b>	<b>0</b>	<b>-100.0%</b>
<b>Total</b>	<b>29</b>	<b>28.6</b>	<b>16</b>	<b>-44.1%</b>

## Fatalities by vehicle type

Vehicle type	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
Light vehicle	109	110.0	104	-5.5%
Motorcycle	26	30.6	34	11.1%
Pedestrian	9	15.0	21	40.0%
Heavy vehicle	6	6.2	2	-67.7%
Bicycle	5	4.4	4	-9.1%
Bus/multi-seater van	0	0.6	1	66.7%
<b>Total</b>	<b>155</b>	<b>166.8</b>	<b>166</b>	<b>-0.5%</b>

## Fatalities by crash nature

Crash nature	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
<b>Multi vehicle*</b>	<b>56</b>	<b>55.8</b>	<b>47</b>	<b>-15.8%</b>
Head on	19	22.0	16	-27.3%
Rear end	1	6.8	9	32.4%
Right angle	22	15.4	14	-9.1%
Right turn thru	11	7.0	6	-14.3%
Sideswipe**	3	4.6	2	-56.5%
<b>Single vehicle</b>	<b>96</b>	<b>105.8</b>	<b>112</b>	<b>5.9%</b>
Hit animal	0	1.2	1	-16.7%
Hit object	62	67.2	72	7.1%
Hit pedestrian	8	13.2	18	36.4%
Non collision	26	24.2	21	-13.2%
<b>Not recorded</b>	<b>3</b>	<b>5.2</b>	<b>7</b>	<b>34.6%</b>
<b>Total</b>	<b>155</b>	<b>166.8</b>	<b>166</b>	<b>-0.5%</b>

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

\*\*Not including near head - on.



# Serious Injuries

## Serious injuries by Main Roads region of crash

Main Roads region	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
<b>Regional</b>	<b>567</b>	<b>585.8</b>	<b>552</b>	<b>-5.8%</b>
Goldfields - Esperance	50	44.4	47	5.9%
Great Southern	38	46.6	32	-31.3%
Kimberley	43	38.8	62	59.8%
Mid West - Gascoyne	67	60.6	59	-2.6%
Pilbara	36	39.2	53	35.2%
South West	217	223.6	165	-26.2%
Wheatbelt	116	132.6	134	1.1%
<b>Metropolitan</b>	<b>1075</b>	<b>1125.8</b>	<b>1035</b>	<b>-8.1%</b>
<b>WA</b>	<b>1642</b>	<b>1711.6</b>	<b>1587</b>	<b>-7.3%</b>

## Serious injuries by sex

Sex	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
Male	992	1015.0	917	-9.7%
Female	641	678.8	662	-2.5%
Not recorded	9	17.8	8	-55.1%
<b>Total</b>	<b>1642</b>	<b>1711.6</b>	<b>1587</b>	<b>-7.3%</b>

## Serious injuries by road user age group

Age group	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
0-16	102	120.0	103	-14.2%
17-19	124	107.6	119	10.6%
20-29	368	386.0	300	-22.3%
30-39	294	277.2	266	-4.0%
40-49	219	222.6	225	1.1%
50-59	207	225.0	203	-9.8%
60-69	141	146.8	162	10.4%
70-79	91	95.0	103	8.4%
80+	64	72.2	72	-0.3%
Not recorded	32	59.2	34	-42.6%
<b>Total</b>	<b>1642</b>	<b>1711.6</b>	<b>1587</b>	<b>-7.3%</b>

## Serious injuries by road user type

Road user type	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
<b>Motor vehicle occupant</b>	<b>1107</b>	<b>1139.2</b>	<b>1120</b>	<b>-1.7%</b>
Motor vehicle driver	749	784.0	762	-2.8%
Motor vehicle passenger	358	355.2	358	0.8%
<b>Motorcyclist</b>	<b>330</b>	<b>327.2</b>	<b>258</b>	<b>-21.1%</b>
Motorcycle rider	295	307.0	241	-21.5%
Motorcycle pillion	35	20.2	17	-15.8%
<b>Pedestrian*</b>	<b>117</b>	<b>148.2</b>	<b>121</b>	<b>-18.4%</b>
<b>Cyclist</b>	<b>88</b>	<b>97.0</b>	<b>87</b>	<b>-10.3%</b>
<b>Other/unknown</b>	<b>0</b>	<b>0.0</b>	<b>1</b>	<b>100.0%</b>
<b>Total</b>	<b>1642</b>	<b>1711.6</b>	<b>1587</b>	<b>-7.3%</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	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
January	96	124.0	166	33.9%
February	144	129.2	138	6.8%
March	145	154.6	162	4.8%
April	77	138.8	105	-24.4%
May	125	149.4	144	-3.6%
June	132	134.8	107	-20.6%
July	158	143.2	141	-1.5%
August	155	141.0	141	0.0%
September	143	143.8	139	-3.3%
October	168	155.6	120	-22.9%
November	161	153.0	103	-32.7%
December	138	144.2	121	-16.1%
<b>Total</b>	<b>1642</b>	<b>1711.6</b>	<b>1587</b>	<b>-7.3%</b>

## Serious injuries by speed limit

Speed limit	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
<40km/h	6	5.8	4	-31.0%
40km/h	22	25.0	25	0.0%
50km/h	302	319.8	276	-13.7%
60km/h	399	394.6	373	-5.5%
70km/h	228	246.2	246	-0.1%
80km/h	147	141.0	142	0.7%
90km/h	30	50.8	31	-39.0%
100km/h	121	107.4	110	2.4%
110km/h	302	324.6	313	-3.6%
Not recorded	85	96.4	67	-30.5%
<b>Total</b>	<b>1642</b>	<b>1711.6</b>	<b>1587</b>	<b>-7.3%</b>

## Serious injuries by behavioural factor suspected\*

Behavioural factor suspected	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
Speed-related	272	264.6	240	-9.3%
Fatigue-related	186	188.2	171	-9.1%
Inattention-related	79	79.8	61	-23.6%

\*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 while not wearing a seatbelt or helmet

Seatbelt/helmet use	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
<b>Motor vehicle occupant</b>	<b>71</b>	<b>57.0</b>	<b>71</b>	<b>24.6%</b>
Motor vehicle driver	28	24.4	35	43.4%
Motor vehicle passenger	43	32.6	36	10.4%
<b>Motorcyclist</b>	<b>12</b>	<b>13.4</b>	<b>7</b>	<b>-47.8%</b>
Motorcycle rider	9	11.0	7	-36.4%
Motorcycle pillion	3	2.4	0	-100.0%
<b>Cyclist</b>	<b>4</b>	<b>13.6</b>	<b>4</b>	<b>-70.6%</b>
<b>Other/unknown</b>	<b>0</b>	<b>0.0</b>	<b>1</b>	<b>100.0%</b>
<b>Total</b>	<b>87</b>	<b>84.0</b>	<b>83</b>	<b>-1.2%</b>



## Serious injuries by crash nature

Crash nature	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
<b>Multi vehicle*</b>	<b>863</b>	<b>921.0</b>	<b>884</b>	<b>-4.0%</b>
Head on	80	103.4	95	-8.1%
Rear end	210	241.8	231	-4.5%
Right angle	321	322.6	304	-5.8%
Right turn thru	161	173.4	189	9.0%
Sideswipe **	91	79.8	65	-18.5%
<b>Single vehicle</b>	<b>705</b>	<b>732.0</b>	<b>649</b>	<b>-11.3%</b>
Hit animal	14	15.8	24	51.9%
Hit object	357	347.8	306	-12.0%
Hit pedestrian	111	144.4	113	-21.7%
Non collision	223	224.0	206	-8.0%
<b>Not recorded</b>	<b>74</b>	<b>58.6</b>	<b>54</b>	<b>-7.8%</b>
<b>Total</b>	<b>1642</b>	<b>1711.6</b>	<b>1587</b>	<b>-7.3%</b>

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

\*\*Not including near - head on.

## Serious injuries by vehicle type

Vehicle type	2020	5 Year Average (5YA)	2021	% change (2021 v 5YA)
Light vehicle	1065	1101.2	1090	-1.0%
Motorcycle	330	327.2	258	-21.1%
Pedestrian	117	148.2	121	-18.4%
Heavy vehicle	30	28.6	21	-26.6%
Bicycle	88	97.0	87	-10.3%
Bus/multi-seater van	12	9.0	9	0.0%
Other	0	0.4	1	150.0%
<b>Total</b>	<b>1642</b>	<b>1711.6</b>	<b>1587</b>	<b>-7.3%</b>

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 27 April 2022. 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.