

NSW road fatalities report

31 December, 2016 (provisional)

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1 December 2016 road toll

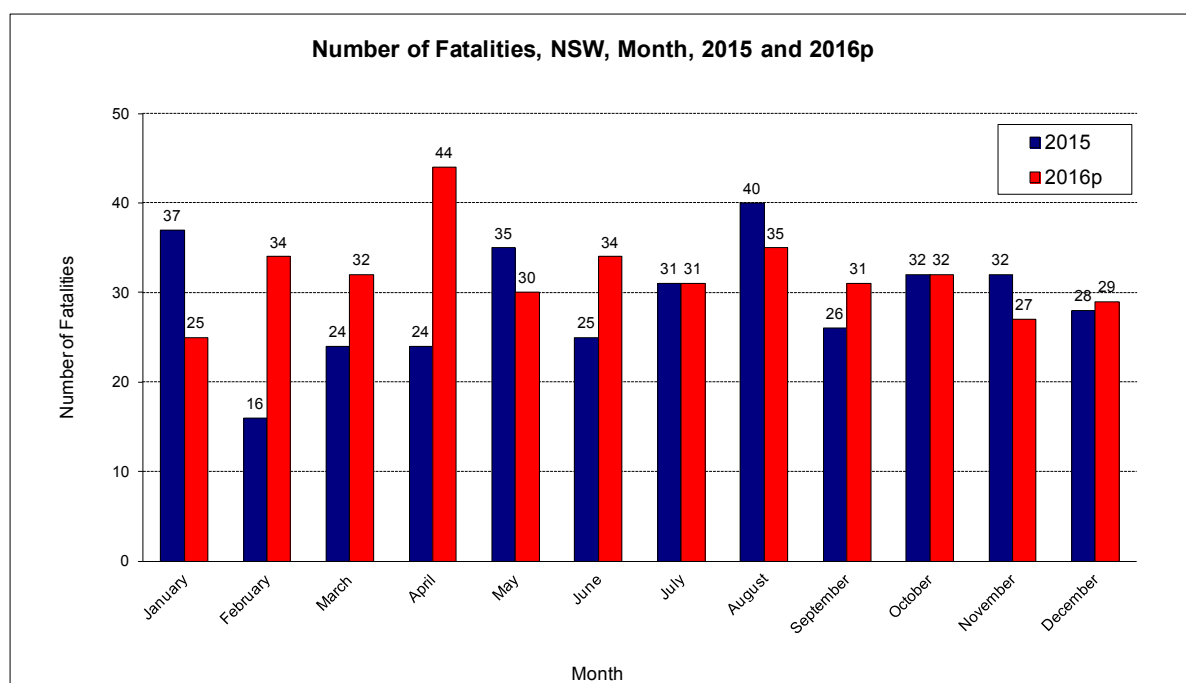
There were 29 fatalities during December 2016, one more fatality (4 per cent) than December 2015 and the highest December total since 2011 (with 40 fatalities).

During the 12 months ending December 2016, there were 384 fatalities (provisional figure), 34 (10 per cent) more fatalities than 2015, the highest calendar year total since 2010 (with 405 fatalities).

The estimated fatality rate for the 12 months ending December 2016 is 4.97 fatalities per 100,000 population (based on the provisional fatality total of 384), up from 4.59 for the 12 months ending December 2015. However, the 2016 fatality rate was the fourth lowest since records began in 1908 – bettered only by the results for 2014 (4.09), 2013 (4.50) and 2015 (4.59).

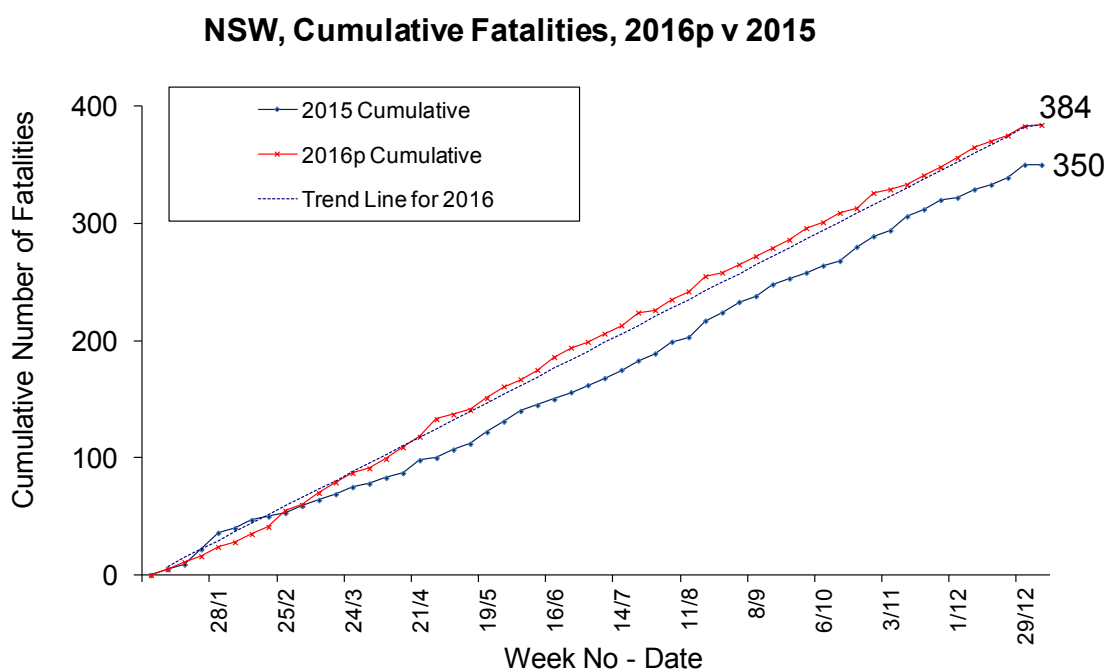
Note that the provisional figure for 2016 (384 fatalities) is the road toll figure as at 1 January 2017. This figure is to be quoted when referring to the 2016 road toll until the data are finalised around August 2017. Other 2016 data are preliminary and are subject to change because there is a tendency for the preliminary number of fatalities in a month to increase in the weeks after the end of that month, as persons may die some days later from injuries received in a crash occurring in that month.

The following chart shows the monthly fatalities during 2016 and in 2015.



2 NSW, Cumulative Fatalities, 2016 (P) v 2015

The following chart shows the cumulative trend lines for the 2016 and 2015 road tolls.



Attached are tables summarising the preliminary results for the twelve months ending December 2016 with comparisons to the corresponding period in 2015. The following comments have been derived from the data.

The key areas to have decreased during 2016 compared with 2015 were:

- fatalities for females (down from 108 to 97)
- fatalities on Wednesday (down from 53 to 36)
- fatal crashes on roads sign posted at 60km/h (down from 67 to 55)
- motor vehicle controllers involved in fatal crashes who were Sydney RMS region residents (down from 169 to 150)

The key areas to have increased during 2016 compared with 2015 were:

- fatalities for motor vehicle drivers (up from 155 to 186) and pedestrians (up from 61 to 74)
- fatalities for males (up from 242 to 287)
- fatalities aged 17 to 25 (up from 55 to 78) and 30 to 49 (up from 89 to 111)
- fatalities on Tuesday (up from 45 to 54), Friday (up from 45 to 62) and Saturday (up from 62 to 73)
- fatalities occurring Monday to Friday between 3am and 9am (McLean period A) (up from 34 to 43), Thursday to Friday between 3pm to 9pm (McLean

period G) (up from 28 to 42) and Thursday to Saturday between 9pm to 3am (McLean period J) (up from 35 to 50)

- fatalities in Country Non-Urban (up from 137 to 158)
- fatalities in Northern (up from 65 to 74), Hunter (up from 59 to 73) and Western (up from 40 to 55) RMS Regions
- fatalities from crashes involving a fatigued motor vehicle controller (up from 55 to 83) or a motor vehicle controller with illegal alcohol (up from 45 to an estimated 59)
- fatalities of vehicle occupants not wearing an available restraint (up from 34 to 44)
- fatal crashes involving pedestrian (up from 60 to 69) or off path straight (up from 48 to 61) road user movement
- fatal crashes involving vehicle-vehicle head on (up from 65 to 77), vehicle-object (up from 99 to 120) or vehicle- pedestrian (up from 60 to 69) first impact
- fatal crashes on roads sign posted under 60km/h (up from 54 to 72) and 80km/h (up from 50 to 65)
- fatal crashes on Unclassified Roads (up from 116 to 141)
- motor vehicle controllers aged 17 to 25 (up from 82 to 106) and 30 to 39 (up from 70 to 89) years
- motor vehicle controllers involved in fatal crashes who were residents of Northern (up from 62 to 86) and Hunter (up from 73 to 93) RMS Regions
- motor vehicle controllers of light trucks (up from 72 to 96) and heavy rigid trucks (up from 22 to 32) involved in fatal crashes

2.1 Other relevant issues

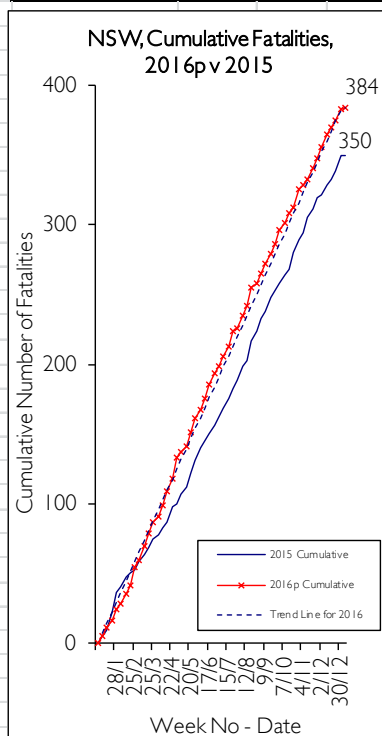
Other recent relevant issues not included in the attached one page summary for the twelve months ending December 2016 period (compared with the same period in 2015) show that the:

- number of P Plate drivers killed has increased from 19 in 2015 to 25 in 2016
- number of fatalities from crashes involving a P Plate Driver (excludes a P Plate Motorcyclist) has increased from 51 in 2015 to 56 in 2016
- number of fatalities on the Princes Highway (south of Yallah to Vic border) has decreased from eight in 2015 to five in 2016
- number of fatalities on the Pacific Highway (Hexham to Qld border) decreased slightly from 23 in 2015 to 22 in 2016
- number of fatalities from fatal crashes involving heavy trucks has increased from 57 in 2015 to 61 in 2016

2.2 Road Toll 2016 v 2015, 1 January to 31 December – preliminary data as at 1 January 2017

Road Toll 2016 v 2015 - 1 January to 31 December - preliminary data as at 1 January 2017

Number of Persons Killed				Motor Vehicle Controllers Involved			
Class of Road User	2016	2015	Change	Behaviour Factors	2016	2015	Change
Driver	186	155	31	Excessive Speed	157	146	11
Passenger	53	60	-7	Fatigue	83	55	28
Pedestrian	74	61	13	Illegal Alcohol# est 2016	59	45	14
Motorcyclist	66	67	-1	Restraint Non Usage	44	34	10
Pedal Cyclist	5	7	-2	MC Helmet Not Worn	6	7	-1
Other	0	0	0	Total Fatalities	384	350	34
Total Fatalities	384	350	34	#Alcohol related fatalities are incomplete for previous three months and are not comparable			
Gender	2016	2015	Change	Traffic Route	2016	2015	Change
Male	287	242	45	Pacific Hwy	25	26	-1
Female	97	108	-11	Hume Hwy	7	8	-1
Total Fatalities	384	350	34	New England Hwy	10	13	-3
Age Group	2016	2015	Change	Newell Hwy	7	12	-5
0-4	6	4	2	Princes Hwy	8	10	-2
5-16	13	16	-3	Great Western Hwy	6	3	3
17-20	41	30	11	All Other Routes	321	278	43
21-25	37	25	12	Total Fatalities	384	350	34
26-29	20	26	-6	Number of Fatal Crashes			
30-39	51	36	15	RUM Code	2016	2015	Change
40-49	60	53	7	Pedestrian	69	60	9
50-59	44	48	-4	Vehicles Adjacent	13	16	-3
60-69	42	35	7	Vehicles Opposite	79	75	4
70-79	36	40	-4	Vehicles Same Direction	23	18	5
80+	34	37	-3	Manoeuvring	11	9	2
Unknown	0	0	0	Overtaking	10	4	6
Total Fatalities	384	350	34	On Path	6	8	-2
Day of Week	2016	2015	Change	Off Path Straight	61	48	13
Sunday	65	60	5	Off Path Curve	83	86	-3
Monday	46	44	2	Miscellaneous	5	2	3
Tuesday	54	45	9	Total Fatal Crashes	360	326	34
Wednesday	36	53	-17	First Impact Type	2016	2015	Change
Thursday	48	41	7	Veh-Veh Head On	77	65	12
Friday	62	45	17	Veh-Veh Right Angle	14	19	-5
Saturday	73	62	11	Veh-Veh Nose Tail	17	12	5
Total Fatalities	384	350	34	Veh-Veh Other Angle	29	32	-3
McLean Period	2016	2015	Change	Vehicle-Object	120	99	21
A (Mon-Fri 3am-9am)	43	34	9	Vehicle-Pedestrian	69	60	9
B (Sat-Sun 3am-9am)	22	19	3	Vehicle-Animal	3	2	1
C (Mon-Fri 9am-3pm)	80	76	4	Vehicle-Train	0	1	-1
D (Sat 9am-3pm)	14	20	-6	Vehicle Rollover	27	34	-7
E (Sun 9am-3pm)	26	22	4	Person Object	4	1	3
F (Mon-Wed 3pm-9pm)	42	50	-8	Other	0	1	-1
G (Thu-Fri 3pm-9pm)	42	28	14	Total Fatal Crashes	360	326	34
H (Sat-Sun 3pm-9pm)	38	39	-1	Speed Limit	2016	2015	Change
I (Sun-Wed 9pm-3am)	27	27	0	Under 60km/h	72	54	18
J (Thu-Sat 9pm-3am)	50	35	15	60km/h	55	67	-12
Total Fatalities	384	350	34	70km/h	18	20	-2
Urbanisation	2016	2015	Change	80km/h	65	50	15
Metropolitan	131	121	10	90km/h	11	8	3
Country Urban	95	92	3	100km/h	114	105	9
Country Non-Urban	158	137	21	110km/h	25	22	3
Country Unknown	0	0	0	Unknown	0	0	0
Total Fatalities	384	350	34	Total Fatal Crashes	360	326	34
RMS Region	2016	2015	Change	Road Classification	2016	2015	Change
Sydney	109	110	-1	Freeway/Motorway	7	8	-1
Northern	74	65	9	Highway	93	88	5
Hunter	73	59	14	Other Classified	119	114	5
Southern	45	45	0	Unclassified Road	141	116	25
South West	28	31	-3	Total Fatal Crashes	360	326	34
Western	55	40	15				
Total Fatalities	384	350	34				

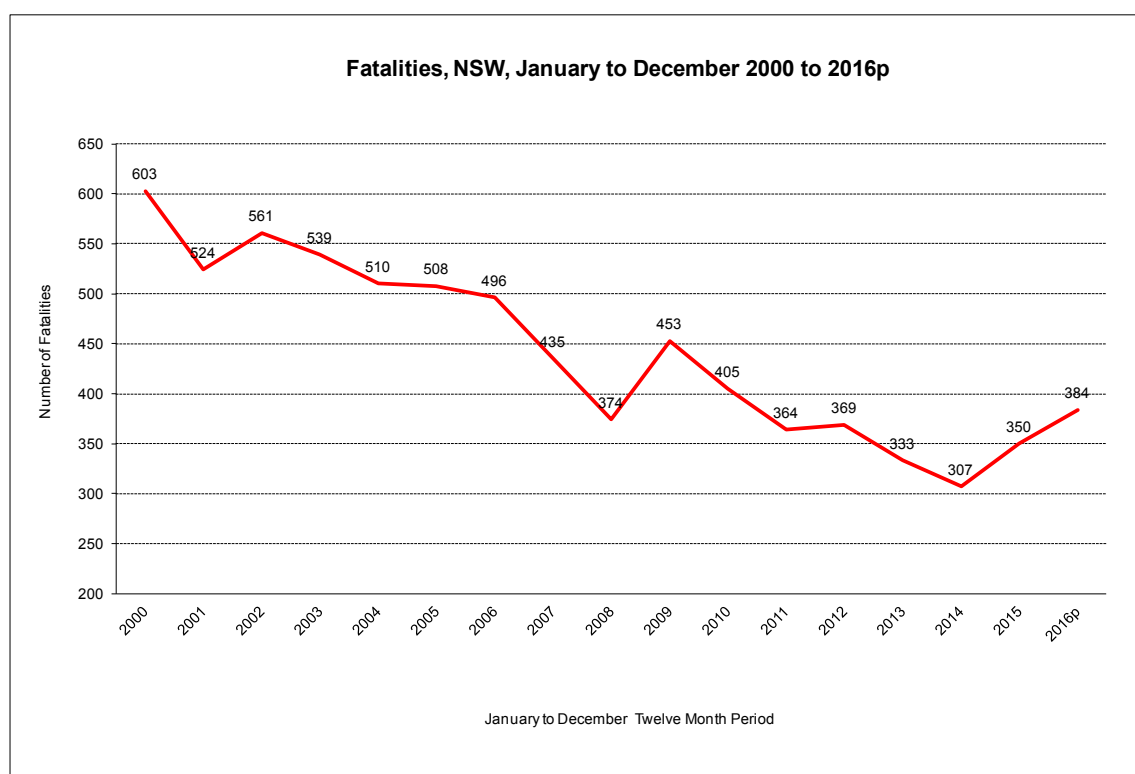


2.3 January to December 2016 Road Toll

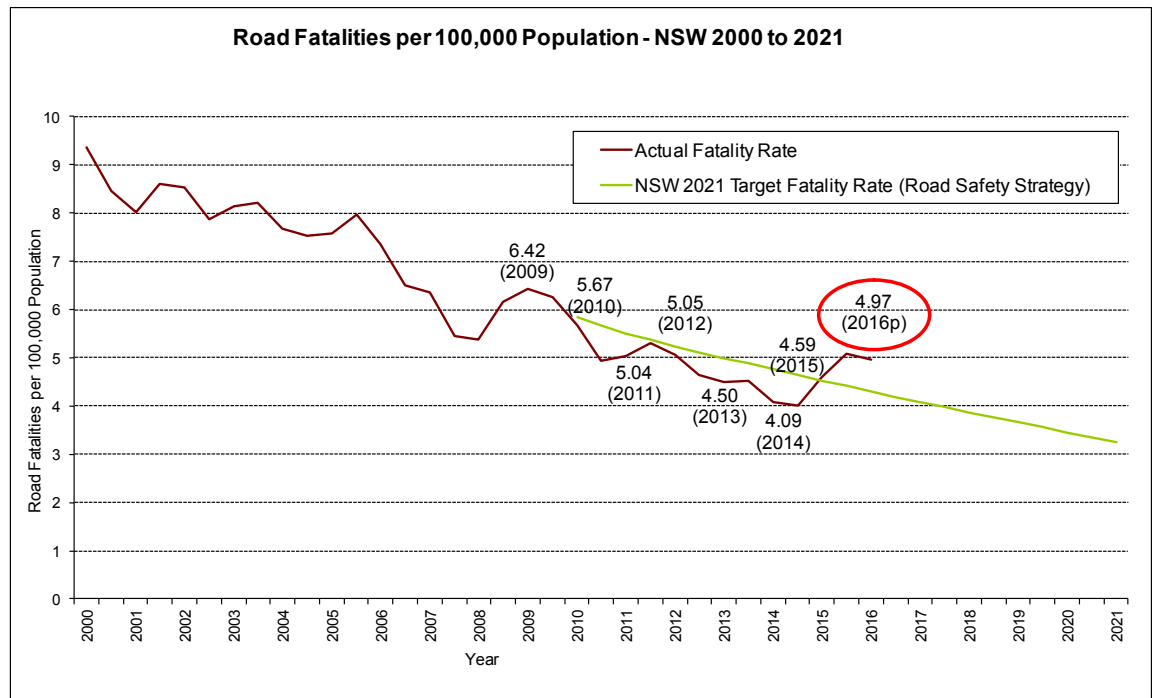
During the 12 month period ending December 2016 there were 384 fatalities, 34 (10 per cent) more fatalities than the corresponding period in 2015, the highest total for the January to December twelve month period since January to December 2010 (with 405 fatalities).

The following chart shows the number of fatalities for each year since 2000. There was an underlying downward trend for fatalities between 2002 and 2014. However, there have been increases in 2015 and again in 2016p, with the cumulative increase over the two year period of a similar magnitude to the increase which occurred between 2008 and 2009.

The estimated fatality rate for the 12 months ending December 2016 is 4.97 (based on a fatality total of 384), up from 4.59 for the 12 months ending December 2015.



The chart below shows that the provisional fatality rate for the twelve months ended December 2016 of 4.97 is above the downward trend for the 2021 target.



For the twelve month period ended December 2016 there were 0.53 fatalities per 100 million vehicle km travelled (preliminary figure), which is greater than the rate for the same period ending December 2015 (0.49).

Note:

Travel estimate based on published figures from ABS Survey of Motor Vehicle Usage; travel estimates since 2014 have been extrapolated based on average exponential growth for 2005 to 2014.

2.4 January to December 2016 road toll (additional information)

Attached are tables summarising the preliminary results for the 12 months ending 31 December 2016 with comparisons to the corresponding period in 2015 and the 2013 to 2015 three year average. The following comments have been derived from the data.

The key areas to have decreased during 2016 compared with the 2015 and 2013 to 2015 three year average were:

- fatalities on Wednesdays (down by 17 compared with previous 12 month period; down by 9.0 compared with the three year average)
- motor vehicle controllers involved in fatal crashes who were residents of the Sydney RMS Region (down by 19; down by 4.7)

The key areas to have increased during 2016 compared with the 2015 and 2013 to 2015 three year average were:

- fatalities for motor vehicle drivers (up by 31 compared with previous 12 month period; up by 31.7 compared with the three year average)
- fatalities for pedestrians (up by 13; up by 25.3)
- fatalities for males (up by 45; up by 55.0)

- fatalities aged 17 to 25 years old (up by 23; up by 12.7) and aged 30 to 49 years old (up by 22; up by 27.7)
- fatalities on Tuesdays (up by 9; up by 13.0), Fridays (up by 17; up by 11.3) and Saturdays (up by 11; up by 17.7)
- fatalities occurring between 3pm to 9pm Thursday to Friday (McLean period G) (up by 14; up by 11.7) and between 9pm to 3am Thursday to Saturday (McLean period J) (up by 15; up by 17.0)
- fatalities in the Metropolitan (up by 10; up by 24.7) and Country Non-Urban areas (up by 21; up by 20.7)
- fatalities in the Northern (up by 9; up by 9.3), Hunter (up by 14; up by 23.0) and Western RMS Regions (up by 15; up by 18.7)
- fatalities from crashes involving excessive speed (up by 11; up by 19.3), driver fatigue (up by 28; up by 26.3) and illegal alcohol (up by 14; up by 9.7)
- fatalities of vehicle occupants not wearing an available restraint (up by 10; up by 16.3)
- fatal crashes with pedestrians (up by 9; up by 22.0)
- fatal crashes involving vehicle-vehicle head on (up by 12; up by 18.0), vehicle-object (up by 21; up by 13.0) and vehicle-pedestrian (up by 9; up by 22.0)
- fatal crashes on roads sign posted under 60km/h (up by 18; up by 19.3) and 80km/h (up by 15; up by 16.0)
- fatal crashes on Unclassified roads (up by 25; up by 30.7)
- motor vehicle controllers involved in fatal crashes who were aged 17 to 25 years (up by 24; up by 18.0) or aged 30 to 39 years (up by 19; up by 18.7)
- motor vehicle controllers involved in fatal crashes who were residents of the Northern (up by 24; up by 21.7), Hunter (up by 20; up by 26.7) or Western RMS Regions (up by 8; up by 17.0)
- drivers of light trucks (up by 24; up by 34.7) or heavy rigid trucks (up by 10; up by 11.0) involved in fatal crashes

2.5 Rolling 12 months Road Toll

1 January to 31 December: 2016, 2015 and three-year average (2013-2015) – provisional data for 2016, as at 1 January 2017.

Rolling 12 months Road Toll, 1 January to 31 December : 2016, 2015 & 3 year average (2013-2015) - provisional data for 2016 as at 1 January 2017											
Number of Persons Killed						Number of Fatal Crashes					
Class of Road User	2016	2015	Change 2016 v 2015	3yr average 2013 to 2015	Change 2016 v 3yr ave	RUM Code	2016	2015	Change 2016 v 2015	3yr average 2013 to 2015	Change 2016 v 3yr ave
Driver	186	155	31	154.3	31.7	Pedestrian	69	60	9	47.0	22.0
Passenger	53	60	-7	50.7	2.3	Vehicles Adjacent	13	16	-3	14.3	-1.3
Pedestrian	74	61	13	48.7	25.3	Vehicles Opposite	79	75	4	68.7	10.3
Motorcyclist	66	67	-1	65.7	0.3	Vehicles Same Direction	23	18	5	17.3	5.7
Pedal Cyclist	5	7	-2	10.7	-5.7	Manoeuvring	11	9	2	8.0	3.0
Other	0	0	0	0.0	0.0	Overtaking	10	4	6	5.3	4.7
Total Fatalities	384	350	34	330.0	54.0	On Path	6	8	-2	7.0	-1.0
Gender	2016	2015	Change 2016 v 2015	3yr average 2013 to 2015	Change 2016 v 3yr ave	Off Path Straight	61	48	13	62.7	-1.7
Male	287	242	45	232.0	55.0	Off Path Curve	83	86	-3	77.3	5.7
Female	97	108	-11	98.0	-1.0	Miscellaneous	5	2	3	1.3	3.7
Total Fatalities	384	350	34	330.0	54.0	Total Fatal Crashes	360	326	34	309.0	51.0
Age Group	2016	2015	Change 2016 v 2015	3yr average 2013 to 2015	Change 2016 v 3yr ave	First Impact Type	2016	2015	Change 2016 v 2015	3yr average 2013 to 2015	Change 2016 v 3yr ave
0-4	6	4	2	3.3	2.7	Veh-Veh Head On	77	65	12	59.0	18.0
5-16	13	16	-3	11.3	1.7	Veh-Veh Right Angle	14	19	-5	15.7	-1.7
17-20	41	30	11	31.7	9.3	Veh-Veh Nose Tail	17	12	5	10.3	6.7
21-25	37	25	12	33.7	3.3	Veh-Veh Other Angle	29	32	-3	32.3	-3.3
26-29	20	26	-6	21.7	-1.7	Vehicle-Object	120	99	21	107.0	13.0
30-39	51	36	15	39.3	11.7	Vehicle-Pedestrian	69	60	9	47.0	22.0
40-49	60	53	7	44.0	16.0	Vehicle-Animal	3	2	1	2.0	1.0
50-59	44	48	-4	45.0	-1.0	Vehicle-Train	0	1	-1	0.3	-0.3
60-69	42	35	7	36.0	6.0	Vehicle Rollover	27	34	-7	34.0	-7.0
70-79	36	40	-4	32.0	4.0	Person Object	4	1	3	1.0	3.0
80+	34	37	-3	31.7	2.3	Other	0	1	-1	0.3	-0.3
Unknown	0	0	0	0.3	-0.3	Total Fatal Crashes	360	326	34	309.0	51.0
Total Fatalities	384	350	34	330.0	54.0	Speed Limit	2016	2015	Change 2016 v 2015	3yr average 2013 to 2015	Change 2016 v 3yr ave
Day of Week	2016	2015	Change 2016 v 2015	3yr average 2013 to 2015	Change 2016 v 3yr ave	Under 60km/h	72	54	18	52.7	19.3
Sunday	65	60	5	51.7	13.3	60km/h	55	67	-12	59.0	-4.0
Monday	46	44	2	42.0	4.0	70km/h	18	20	-2	15.3	2.7
Tuesday	54	45	9	41.0	13.0	80km/h	65	50	15	49.0	16.0
Wednesday	36	53	-17	45.0	-9.0	90km/h	11	8	3	10.0	1.0
Thursday	48	41	7	44.3	3.7	100km/h	114	105	9	103.0	11.0
Friday	62	45	17	50.7	11.3	110km/h	25	22	3	19.7	5.3
Saturday	73	62	11	55.3	17.7	Unknown	0	0	0	0.3	-0.3
Total Fatalities	384	350	34	330.0	54.0	Total Fatal Crashes	360	326	34	309.0	51.0
McLean Period	2016	2015	Change 2016 v 2015	3yr average 2013 to 2015	Change 2016 v 3yr ave	Road Classification	2016	2015	Change 2016 v 2015	3yr average 2013 to 2015	Change 2016 v 3yr ave
A (Mon-Fri 3am-9am)	43	34	9	39.3	3.7	Freeway/Motorway	7	8	-1	6.0	1.0
B (Sat-Sun 3am-9am)	22	19	3	16.3	5.7	Highway	93	88	5	85.0	8.0
C (Mon-Fri 9am-3pm)	80	76	4	72.0	8.0	Other Classified	119	114	5	107.7	11.3
D (Sat 9am-3pm)	14	20	-6	19.3	-5.3	Unclassified Road	141	116	25	110.3	30.7
E (Sun 9am-3pm)	26	22	4	17.0	9.0	Total Fatal Crashes	360	326	34	309.0	51.0
F (Mon-Wed 3pm-9pm)	42	50	-8	48.0	-6.0	Motor Vehicle Controllers Involved					
G (Thu-Fri 3pm-9pm)	42	28	14	30.3	11.7	Age of Controller	2016	2015	Change 2016 v 2015	3yr average 2013 to 2015	Change 2016 v 3yr ave
H (Sat-Sun 3pm-9pm)	38	39	-1	31.7	6.3	Under 17	3	5	-2	3.3	-0.3
I (Sun-Wed 9pm-3am)	27	27	0	23.0	4.0	17-20	50	44	6	41.0	9.0
J (Thu-Sat 9pm-3am)	50	35	15	33.0	17.0	21-25	56	38	18	47.0	9.0
Total Fatalities	384	350	34	330.0	54.0	26-29	32	38	-6	36.3	-4.3
Urbanisation	2016	2015	Change 2016 v 2015	3yr average 2013 to 2015	Change 2016 v 3yr ave	30-39	89	70	19	70.3	18.7
Metropolitan	131	121	10	106.3	24.7	40-49	88	88	0	78.7	9.3
Country Urban	95	92	3	86.3	8.7	50-59	78	79	-1	68.3	9.7
Country Non-Urban	158	137	21	137.3	20.7	60-69	58	56	2	54.0	4.0
Country Unknown	0	0	0	0.0	0.0	70-79	36	35	1	30.3	5.7
Total Fatalities	384	350	34	330.0	54.0	80+	20	26	-6	21.3	-1.3
RMS Region	2016	2015	Change 2016 v 2015	3yr average 2013 to 2015	Change 2016 v 3yr ave	Unknown	6	4	2	2.3	3.7
Sydney	109	110	-1	94.7	14.3	Total MVs In FCs	516	483	33	453.0	63.0
Northern	74	65	9	64.7	9.3	Addr of Controller	2016	2015	Change 2016 v 2015	3yr average 2013 to 2015	Change 2016 v 3yr ave
Hunter	73	59	14	50.0	23.0	I/State or O/Seas	43	50	-7	40.3	2.7
Southern	45	45	0	48.3	-3.3	Sydney	150	169	-19	154.7	-4.7
South West	28	31	-3	36.0	-8.0	Northern	86	62	24	64.3	21.7
Western	55	40	15	36.3	18.7	Hunter	93	73	20	66.3	26.7
Total Fatalities	384	350	34	330.0	54.0	Southern	57	49	8	54.3	2.7
Behaviour Factors	2016	2015	Change 2016 v 2015	3yr average 2013 to 2015	Change 2016 v 3yr ave	South West	30	26	4	31.0	-1.0
Excessive Speed	157	146	11	137.7	19.3	Western	52	44	8	35.0	17.0
Fatigue	83	55	28	56.7	26.3	Unknown	5	10	-5	7.0	-2.0
Illegal Alcohol#	59	45	14	49.3	9.7	Total MVs In FCs	516	483	33	453.0	63.0
Restraint Non Usage	44	34	10	27.7	16.3	Vehicle Type	2016	2015	Change 2016 v 2015	3yr average 2013 to 2015	Change 2016 v 3yr ave
MC Helmet Not Worn	6	7	-1	4.0	2.0	Car	280	274	6	260.0	20.0
#Alcohol related fatalities are incomplete for previous three months and are not comparable						Light Truck	96	72	24	61.3	34.7
Traffic Route	2016	2015	Change 2016 v 2015	3yr average 2013 to 2015	Change 2016 v 3yr ave	Heavy Rigid Truck	32	22	10	21.0	11.0
Pacific Hwy	25	26	-1	27.3	-2.3	Articulated Truck	27	31	-4	32.3	-5.3
Hume Hwy	7	8	-1	9.3	-2.3	Bus	9	5	4	4.3	4.7
New England Hwy	10	13	-3	6.7	3.3	Other Motor Veh	5	9	-4	6.3	-1.3
Newell Hwy	7	12	-5	8.0	-1.0	Motorcycle	67	70	-3	67.7	-0.7
Princes Hwy	8	10	-2	10.7	-2.7	Total MVs In FCs	516	483	33	453.0	63.0
Great Western Hwy	6	3	3	4.0	2.0						
All Other Routes	321	278	43	264.0	57.0						
Total Fatalities	384	350	34	330.0	54.0						