Bicyclists

Section 12: Bicyclists

2015

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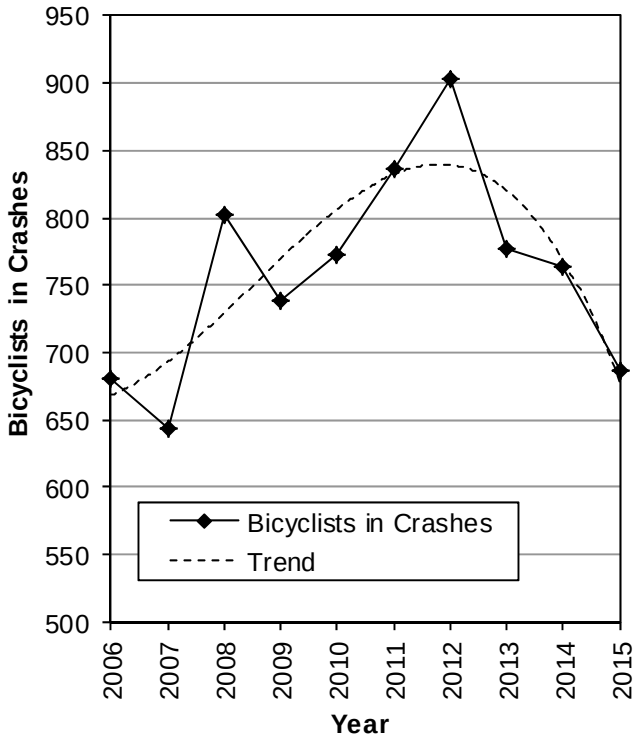
Trends

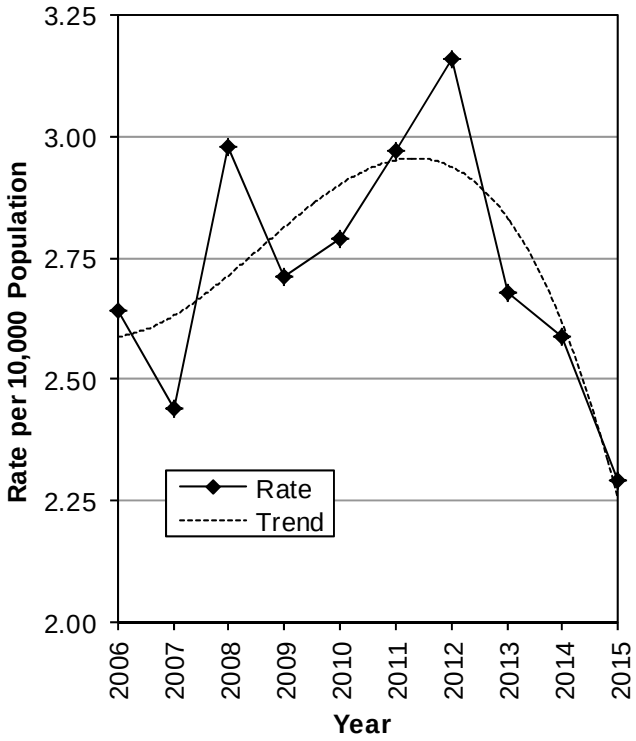
Bicyclists in Crashes (Utah 2006-2015)

Bicyclists								
	Non-Injured		Injured		Killed		Total	
Year	#	Rate per 10,000 Pop.	#	Rate per 10,000 Pop.	#	Rate per 10,000 Pop.	#	Rate per 10,000 Pop.
2006	79	0.31	592	2.30	10	0.039	**681**	**2.64**
2007	53	0.20	584	2.22	6	0.023	**643**	**2.44**
2008	90	0.33	708	2.63	4	0.015	**802**	**2.98**
2009	83	0.30	651	2.38	5	0.018	**739**	**2.71**
2010	86	0.31	680	2.45	7	0.025	**773**	**2.79**
2011	85	0.30	747	2.65	5	0.018	**837**	**2.97**
2012	63	0.22	837	2.93	3	0.011	**903**	**3.16**
2013	83	0.29	688	2.37	6	0.021	**777**	**2.68**
2014	69	0.23	685	2.33	9	0.031	**763**	**2.59**
2015	46	0.15	635	2.12	5	0.017	**686**	**2.29**
Total	**737**	**0.26**	**6,807**	**2.44**	**60**	**0.021**	**7,604**	**2.72**

Bicyclists in Crashes (Utah 2006-2015)



Bicyclist Crash Rates Per Population (Utah 2006-2015)



- On average, 760 bicyclists are in crashes every year.
- The total number of bicyclists in crashes has steadily decreased the last three years.
- 2012 had the highest number of bicyclists in crashes (903).

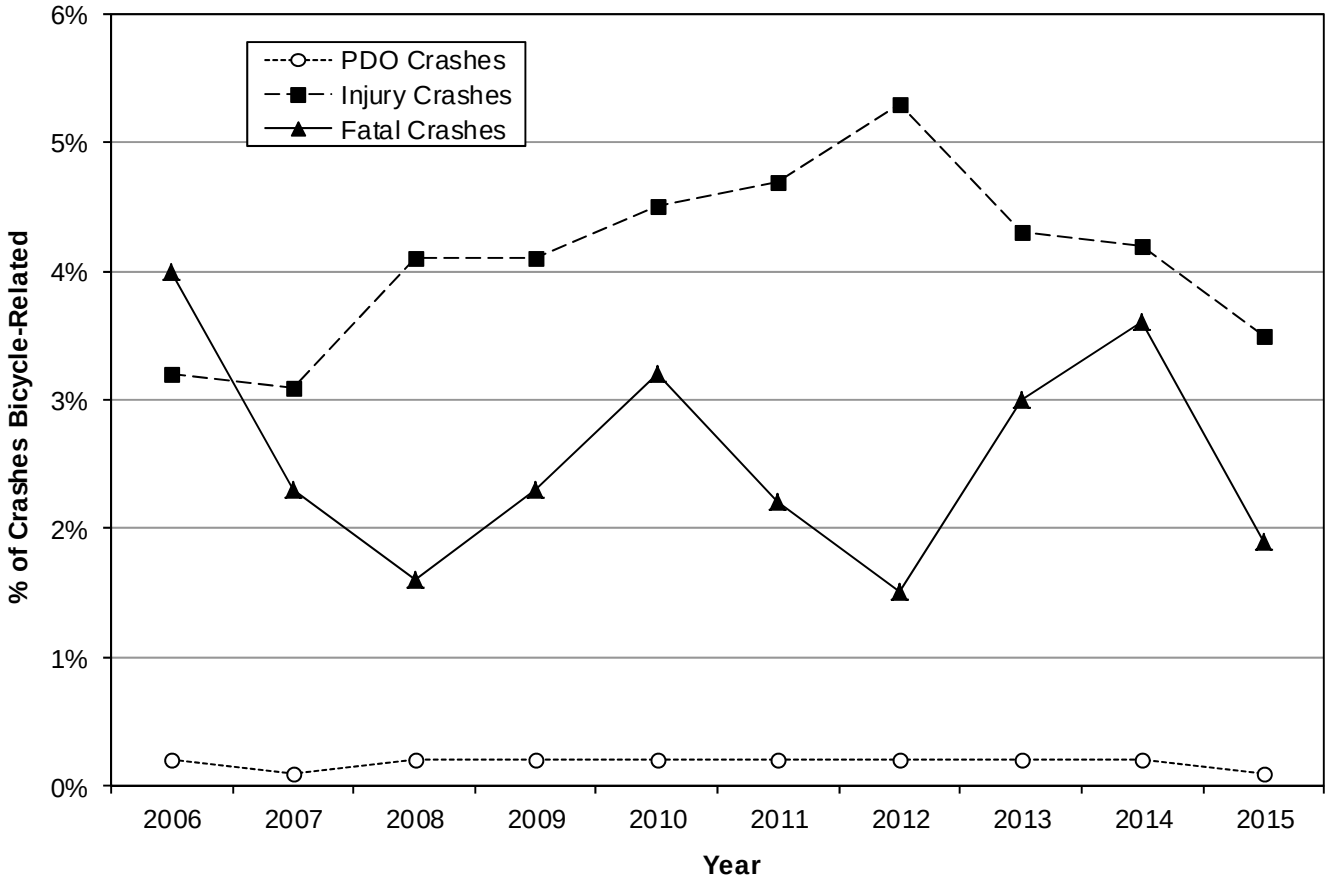
- The total rate per population of bicyclists in crashes decreased 13% over the last 10 years.
- 2015 had the lowest bicyclist crash rate per population (2.29).
- 2012 had the highest bicyclist crash rate per population (3.16).

Trends

Bicycle-Motor Vehicle Crashes (Utah 2006-2015)

Bicycle-Motor Vehicle Crashes												
	Property Damage Only			Injury			Fatal			Total		
	All	Bicycle		All	Bicycle		All	Bicycle		All	Bicycle	
Year	#	#	%	#	#	%	#	#	%	#	#	%
2006	37,749	71	0.2%	18,189	589	3.2%	249	10	4.0%	**56,187**	**670**	**1.2%**
2007	42,368	46	0.1%	18,619	579	3.1%	258	6	2.3%	**61,245**	**631**	**1.0%**
2008	38,997	83	0.2%	17,125	697	4.1%	245	4	1.6%	**56,367**	**784**	**1.4%**
2009	35,398	83	0.2%	15,752	651	4.1%	217	5	2.3%	**51,367**	**739**	**1.4%**
2010	34,155	78	0.2%	14,995	669	4.5%	218	7	3.2%	**49,368**	**754**	**1.5%**
2011	36,418	73	0.2%	15,645	735	4.7%	224	5	2.2%	**52,287**	**813**	**1.6%**
2012	34,635	59	0.2%	15,765	833	5.3%	200	3	1.5%	**50,600**	**895**	**1.8%**
2013	39,301	74	0.2%	16,134	686	4.3%	202	6	3.0%	**55,637**	**766**	**1.4%**
2014	37,388	60	0.2%	16,426	684	4.2%	222	8	3.6%	**54,036**	**752**	**1.4%**
2015	42,089	38	0.1%	17,665	627	3.5%	258	5	1.9%	**60,012**	**670**	**1.1%**
Total	**378,498**	**665**	**0.2%**	**166,315**	**6,750**	**4.1%**	**2,293**	**59**	**2.6%**	**547,106**	**7,474**	**1.4%**

Percent of Crashes Involving a Bicyclist (Utah 2006-2015)

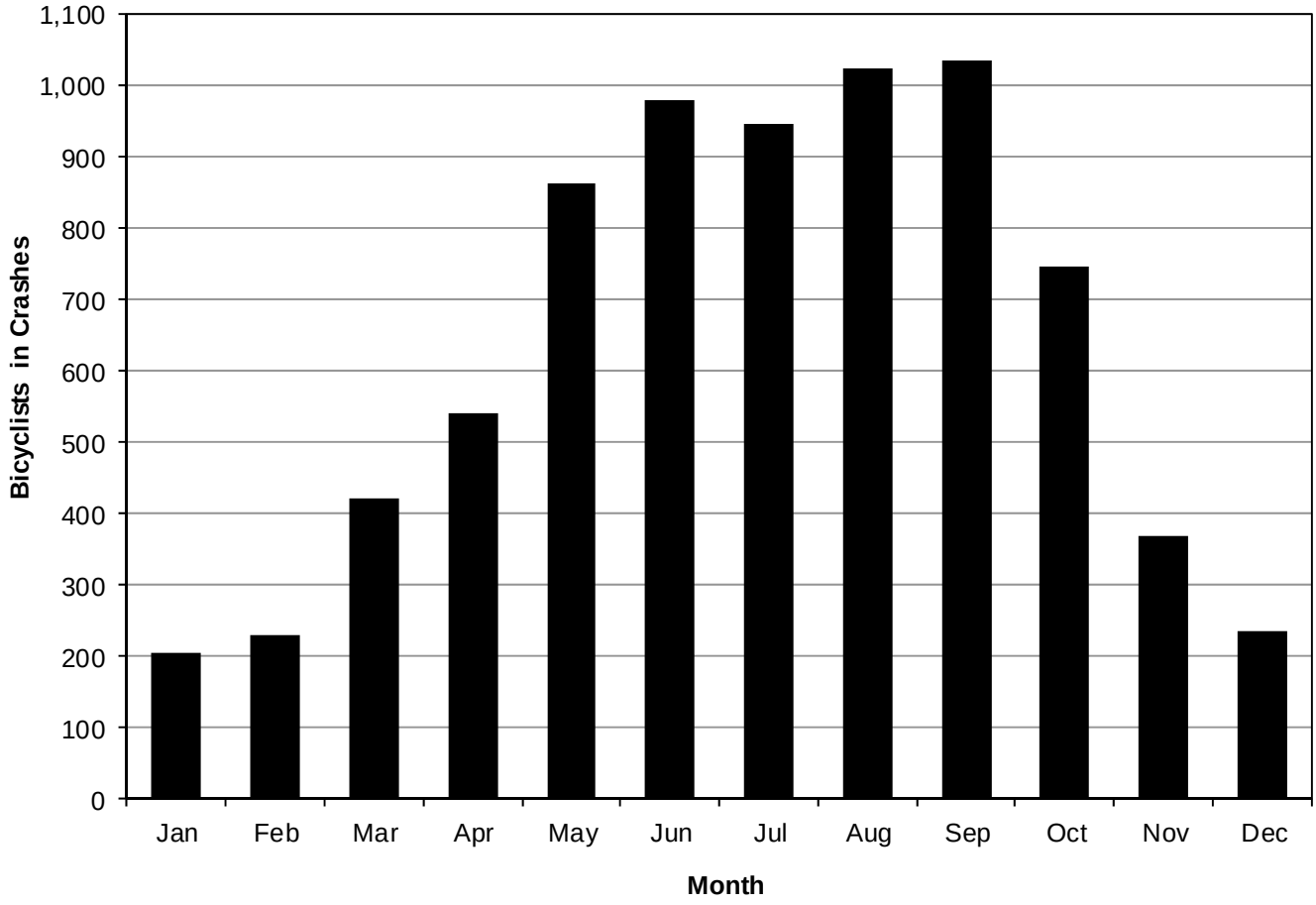


- The 10-year trend shows that bicycle-motor vehicle crashes represent 0.2% of property damage only crashes, 4.1% of injury crashes, and 2.6% of fatal crashes.
- During the last 10 years, 7,474 crashes involved a bicyclist. There are approximately 675 injury crashes and six fatal crashes involving bicyclists a year.

Trends

Bicyclists in Crashes by Month (Utah 2006-2015)

Bicyclists												
	Year										Total	
Month	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**#**	**%**
January	30	14	14	13	25	18	30	11	27	23	**205**	**2.7%**
February	31	13	11	29	23	15	33	16	23	36	**230**	**3.0%**
March	38	43	30	35	38	53	54	36	51	45	**423**	**5.6%**
April	49	59	49	57	47	38	73	56	57	56	**541**	**7.1%**
May	95	73	90	101	76	74	112	100	75	68	**864**	**11.4%**
June	77	86	103	88	104	124	108	106	102	81	**979**	**12.9%**
July	68	75	106	86	113	117	86	111	101	85	**948**	**12.5%**
August	100	86	123	114	99	124	112	121	76	70	**1,025**	**13.5%**
September	79	78	137	115	114	119	110	87	100	97	**1,036**	**13.6%**
October	60	70	75	46	71	90	100	73	90	73	**748**	**9.8%**
November	32	32	37	36	43	33	51	43	33	28	**368**	**4.8%**
December	22	14	27	19	20	32	34	17	28	24	**237**	**3.1%**
Total	**681**	**643**	**802**	**739**	**773**	**837**	**903**	**777**	**763**	**686**	**7,604**	**100.0%**

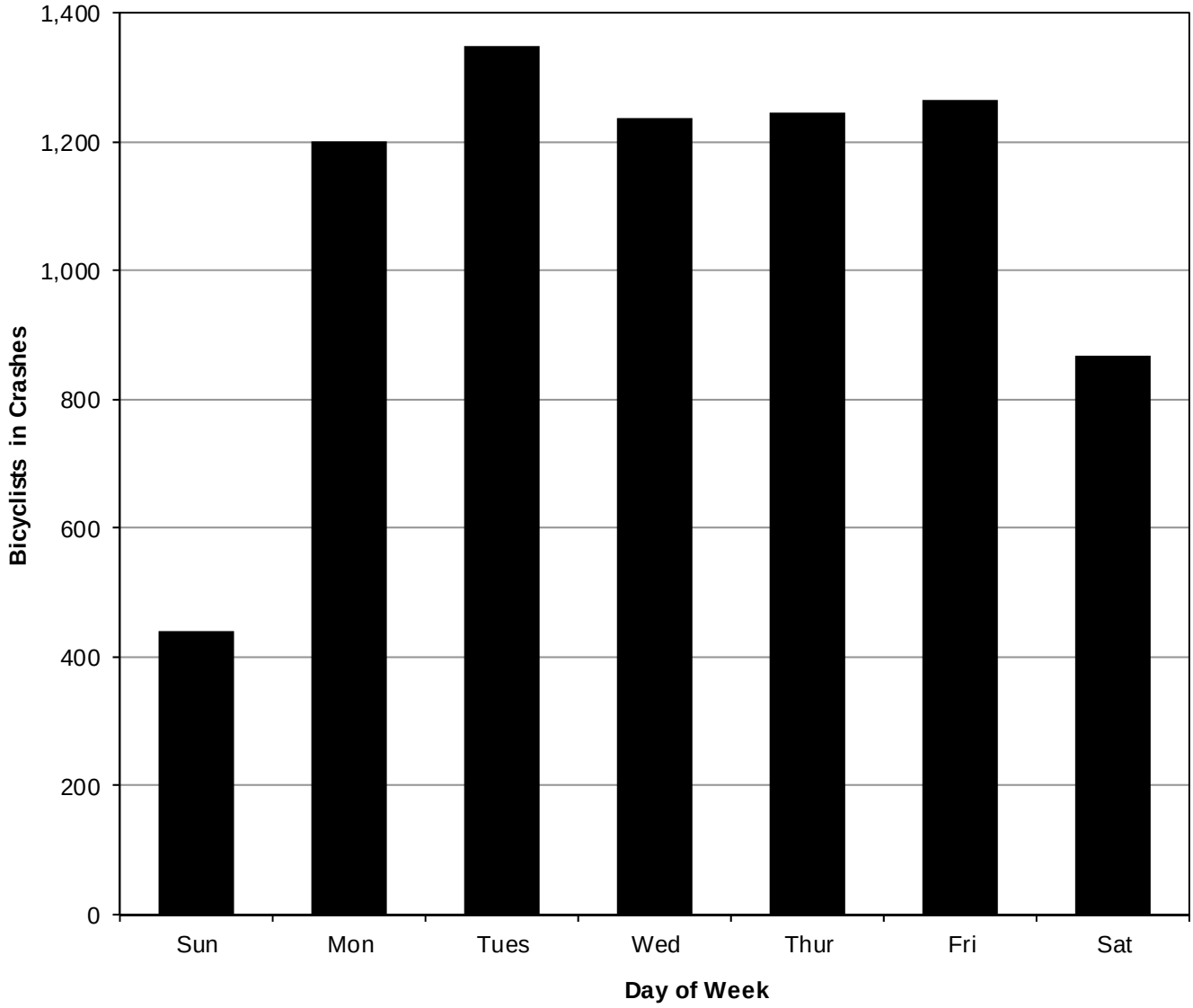


- Bicycle-motor vehicle crashes were highest during the months of May through September over the past 10 years.
- Bicycle-motor vehicle crashes were lowest during the months of December through February over the past 10 years.

Trends

Bicyclists in Crashes by Day of Week (Utah 2006-2015)

Bicyclists												
Day of Week	Year										Total	
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	#	%
Sunday	28	35	41	38	51	52	60	46	34	54	**439**	**5.8%**
Monday	105	114	124	102	143	140	108	123	126	115	**1,200**	**15.8%**
Tuesday	131	106	139	151	133	160	163	136	130	101	**1,350**	**17.8%**
Wednesday	128	95	136	133	122	129	151	117	116	109	**1,236**	**16.3%**
Thursday	101	105	129	105	139	142	169	120	128	107	**1,245**	**16.4%**
Friday	102	116	132	120	102	127	158	151	146	111	**1,265**	**16.6%**
Saturday	86	72	101	90	83	87	94	84	83	89	**869**	**11.4%**
Total	**681**	**643**	**802**	**739**	**773**	**837**	**903**	**777**	**763**	**686**	**7,604**	**100.0%**

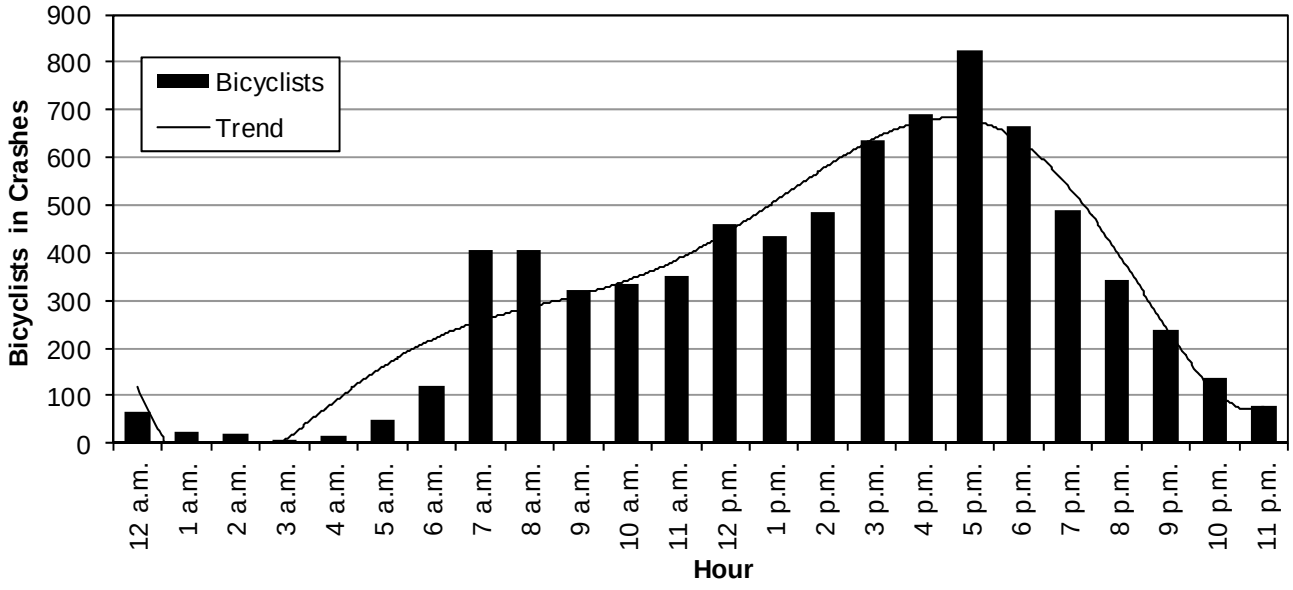


- Bicycle-motor vehicle crashes were highest Monday through Friday over the past 10 years.
- Bicycle-motor vehicle crashes were lowest on Sunday over the past 10 years.

Trends

Bicyclists in Crashes by Hour (Utah 2006-2015)

Bicyclists												
	Year										Total	
Hour	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	#	%
Midnight	4	5	7	5	4	13	8	7	6	7	**66**	**0.9%**
1 a.m.	2	1	0	6	2	1	4	1	4	2	**23**	**0.3%**
2 a.m.	0	0	5	0	5	0	4	0	3	2	**19**	**0.2%**
3 a.m.	0	0	3	1	0	1	1	1	1	0	**8**	**0.1%**
4 a.m.	1	1	3	1	3	0	3	2	3	1	**18**	**0.2%**
5 a.m.	4	4	8	3	7	3	3	8	4	4	**48**	**0.6%**
6 a.m.	11	11	8	7	9	14	17	14	14	15	**120**	**1.6%**
7 a.m.	47	41	39	43	44	39	45	41	34	32	**405**	**5.3%**
8 a.m.	32	40	42	40	29	44	57	48	32	44	**408**	**5.4%**
9 a.m.	20	22	38	22	31	34	40	32	42	39	**320**	**4.2%**
10 a.m.	32	26	29	31	35	39	43	35	34	29	**333**	**4.4%**
11 a.m.	38	31	47	29	27	36	39	37	32	36	**352**	**4.6%**
Noon	27	39	40	53	60	60	54	45	47	35	**460**	**6.0%**
1 p.m.	37	37	37	46	42	56	52	49	49	31	**436**	**5.7%**
2 p.m.	33	31	52	51	54	54	55	53	48	56	**487**	**6.4%**
3 p.m.	74	49	79	70	54	66	77	57	57	52	**635**	**8.4%**
4 p.m.	61	62	66	66	73	61	84	85	87	47	**692**	**9.1%**
5 p.m.	80	73	86	77	96	94	99	73	80	66	**824**	**10.8%**
6 p.m.	68	60	64	61	69	81	77	61	58	67	**666**	**8.8%**
7 p.m.	45	44	57	40	50	59	49	42	53	52	**491**	**6.5%**
8 p.m.	33	34	32	39	33	32	42	41	24	32	**342**	**4.5%**
9 p.m.	16	17	35	20	28	24	24	23	30	21	**238**	**3.1%**
10 p.m.	10	11	12	16	13	18	19	12	14	11	**136**	**1.8%**
11 p.m.	6	4	13	12	5	8	7	10	7	5	**77**	**1.0%**
Total	**681**	**643**	**802**	**739**	**773**	**837**	**903**	**777**	**763**	**686**	**7,604**	**100.0%**



- Bicycle-motor vehicle crashes were highest during the hours of 3:00-6:59 p.m.
- Bicycle-motor vehicle crashes were lowest during the hours of 1:00-4:59 a.m.

Trends

Bicyclists in Crashes by County (Utah 2006-2015)

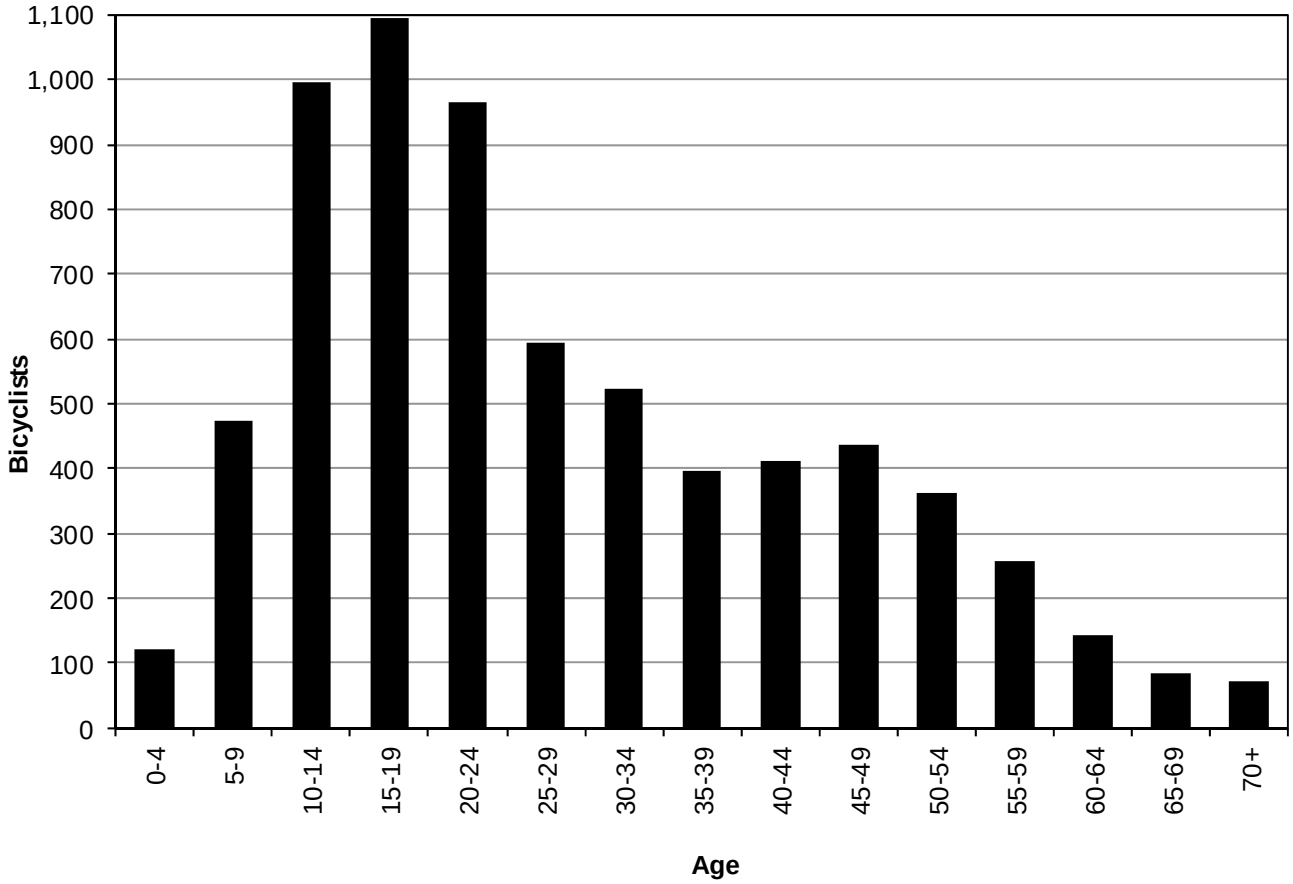
Bicyclists													
	Year										Total		Rate per Year per
County	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	#	%	10,000 population
Salt Lake	360	341	416	392	399	435	484	417	392	356	**3,992**	**52.5%**	**3.61**
Grand	5	2	3	0	0	3	4	1	3	6	**27**	**0.4%**	**2.84**
Cache	25	28	40	28	39	39	30	32	33	27	**321**	**4.2%**	**2.66**
Utah	105	113	159	138	154	168	164	122	103	116	**1,342**	**17.6%**	**2.33**
Weber	42	40	42	38	52	50	83	53	71	43	**514**	**6.8%**	**2.11**
Washington	31	23	28	43	20	26	26	34	38	43	**312**	**4.1%**	**2.01**
Davis	71	60	58	59	67	69	64	74	69	52	**643**	**8.5%**	**1.91**
Carbon	7	3	3	3	3	6	1	2	4	7	**39**	**0.5%**	**1.90**
Iron	10	8	12	10	8	5	9	7	12	9	**90**	**1.2%**	**1.86**
Summit	1	3	7	5	8	4	7	5	9	2	**51**	**0.7%**	**1.29**
Sevier	4	1	3	1	4	1	1	4	3	3	**25**	**0.3%**	**1.19**
Tooele	4	5	12	6	4	9	5	7	13	7	**72**	**0.9%**	**1.14**
Uintah	3	5	2	3	3	4	7	5	2	5	**39**	**0.5%**	**1.03**
Wasatch	1	3	2	2	6	6	2	3	1	3	**29**	**0.4%**	**0.99**
Box Elder	2	5	5	7	3	4	6	5	5	2	**44**	**0.6%**	**0.84**
Kane	0	0	1	0	0	1	1	1	1	0	**5**	**0.1%**	**0.70**
Sanpete	4	2	2	0	1	2	4	0	2	1	**18**	**0.2%**	**0.63**
Garfield	0	0	1	1	1	0	0	0	0	0	**3**	**0.0%**	**0.60**
Emery	1	0	1	0	1	1	0	0	1	1	**6**	**0.1%**	**0.58**
Duchesne	0	1	3	0	0	1	4	3	0	0	**12**	**0.2%**	**0.58**
San Juan	2	0	1	0	0	1	0	1	0	2	**7**	**0.1%**	**0.44**
Rich	0	0	0	1	0	0	0	0	0	0	**1**	**0.0%**	**0.43**
Wayne	0	0	0	1	0	0	0	0	0	0	**1**	**0.0%**	**0.37**
Millard	1	0	0	1	0	1	0	0	0	1	**4**	**0.1%**	**0.32**
Beaver	0	0	0	0	0	1	1	0	0	0	**2**	**0.0%**	**0.31**
Juab	2	0	0	0	0	0	0	1	0	0	**3**	**0.0%**	**0.28**
Morgan	0	0	1	0	0	0	0	0	1	0	**2**	**0.0%**	**0.18**
Daggett	0	0	0	0	0	0	0	0	0	0	**0**	**0.0%**	**0.00**
Piute	0	0	0	0	0	0	0	0	0	0	**0**	**0.0%**	**0.00**
Total	**681**	**643**	**802**	**739**	**773**	**837**	**903**	**777**	**763**	**686**	**7,604**	**100.0%**	**2.54**

- Salt Lake (3.61), Grand (2.84), Cache (2.66), and Utah (2.33) counties had the highest rates per population of total bicyclists in crashes per 10,000 population per year over the last 10 years.
- Salt Lake County accounted for 53% of the bicyclists in crashes. Utah county accounted for 18% of the bicyclists and Davis county accounted for 9% of the bicyclists. These three counties accounted for over three-fourths (78.6%) of the bicyclists in crashes over the last 10 years.
- Daggett and Piute counties had no bicyclists in crashes.

Trends

Bicyclists in Crashes by Age (Utah 2006-2015)

Bicyclists												
	Year										Total	
Age	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	#	%
0-4	9	38	24	7	8	7	8	10	9	2	**122**	**1.8%**
5-9	67	49	50	52	44	63	48	38	40	24	**475**	**6.9%**
10-14	113	99	122	94	114	115	99	91	71	77	**995**	**14.4%**
15-19	85	85	116	97	124	126	134	104	128	95	**1,094**	**15.8%**
20-24	73	70	95	90	103	125	114	112	88	94	**964**	**13.9%**
25-29	43	41	67	67	62	65	73	72	54	50	**594**	**8.6%**
30-34	29	40	40	47	59	62	75	55	59	58	**524**	**7.6%**
35-39	45	36	29	27	37	37	53	41	53	38	**396**	**5.7%**
40-44	35	32	42	38	43	42	53	39	36	51	**411**	**5.9%**
45-49	34	36	44	52	42	45	52	35	50	47	**437**	**6.3%**
50-54	32	29	21	32	33	40	58	40	42	35	**362**	**5.2%**
55-59	19	24	23	17	21	28	38	27	32	29	**258**	**3.7%**
60-64	6	9	8	12	9	18	25	14	23	18	**142**	**2.0%**
65-69	3	6	8	9	7	9	9	13	8	12	**84**	**1.2%**
70+	4	7	6	4	4	8	13	9	8	9	**72**	**1.0%**
Total	**597**	**601**	**695**	**645**	**710**	**790**	**852**	**700**	**701**	**639**	**6,930**	**100.0%**

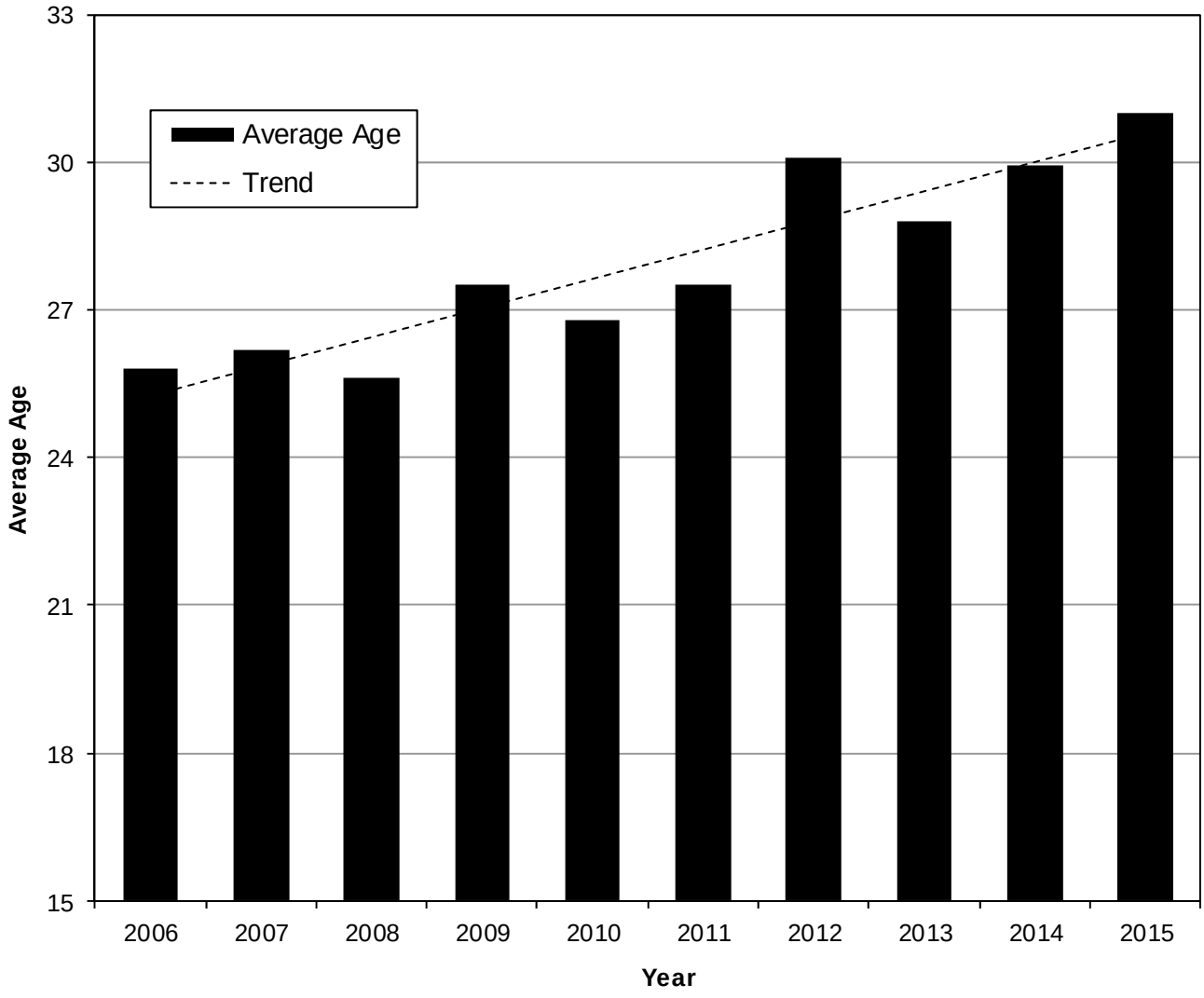


- Bicycle-motor vehicle crashes were highest among ages 10-24 years.
- Bicycle-motor vehicle crashes were lowest among ages 60+ years.

Trends

Bicyclists in Crashes by Average Age (Utah 2006-2015)

Bicyclists	
Year	Total Mean Age
2006	25.80
2007	26.20
2008	25.60
2009	27.50
2010	26.80
2011	27.50
2012	30.10
2013	28.80
2014	29.95
2015	31.01
Average	**27.93**

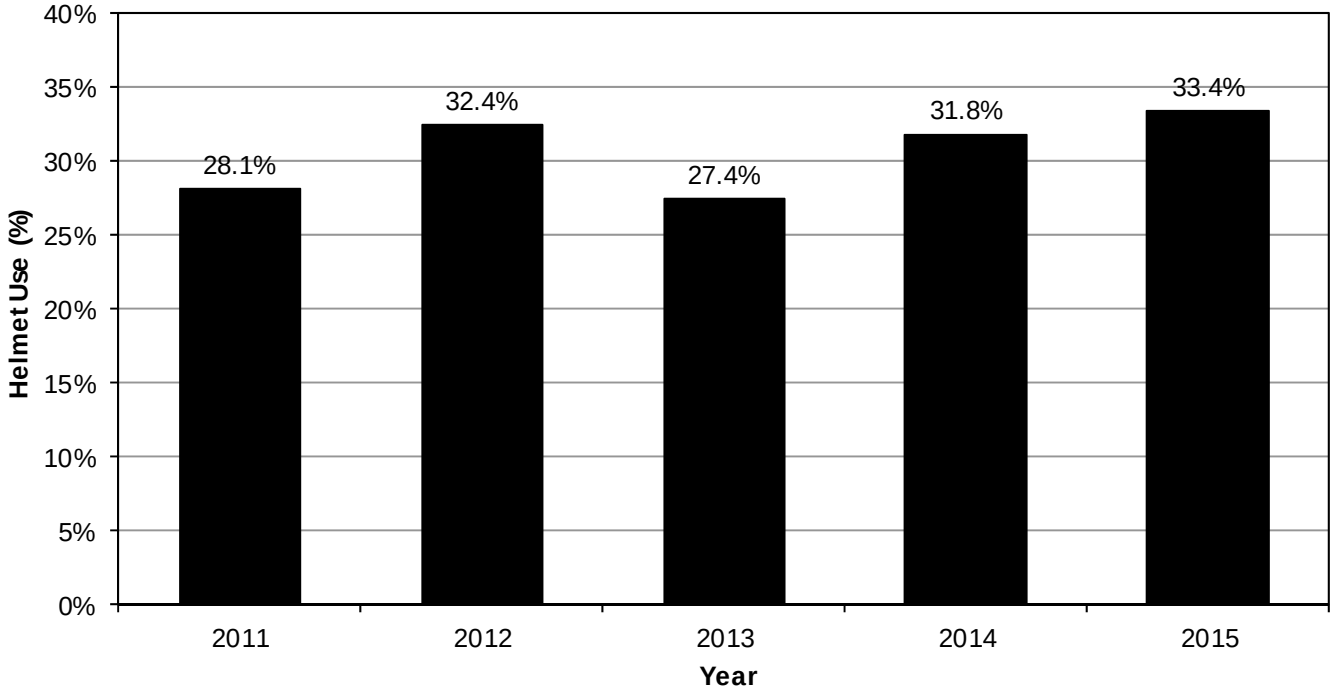


- The average age of bicyclists in crashes has shown an increasing trend over the last 10 years.

Helmets

Helmet Use of Bicyclists in Crashes (Utah 2011-2015)

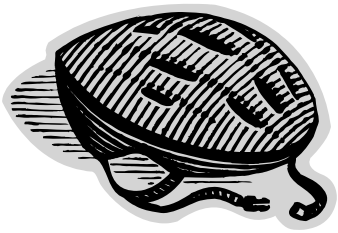
Bicyclists												
	Non-Injured			Injured			Killed			Total		
	No Hlmt	Helmet		No Hlmt	Helmet		No Hlmt	Helmet		No Helmet	Helmet	
Year	#	#	%	#	#	%	#	#	%	#	#	%
2011	34	5	12.8%	180	78	30.2%	3	2	40.0%	**217**	**85**	**28.1%**
2012	18	5	21.7%	190	96	33.6%	3	0	0.0%	**211**	**101**	**32.4%**
2013	24	10	29.4%	289	106	26.8%	3	3	50.0%	**316**	**119**	**27.4%**
2014	36	9	20.0%	402	193	32.4%	4	4	50.0%	**442**	**206**	**31.8%**
2015	18	12	40.0%	384	188	32.9%	2	3	60.0%	**404**	**203**	**33.4%**
Total	**130**	**41**	**24.0%**	**1,445**	**661**	**31.4%**	**15**	**12**	**44.4%**	**1,590**	**714**	**31.0%**



- Overall helmet use by bicyclists in crashes has increased the last two years.
- 2015 had the highest percent of helmet use by bicyclists in crashes while 2013 had the lowest percent.

Helmet Use of Bicyclists in Crashes (Utah 2015)

Bicyclists								
	Non-Injured		Injured		Killed		Total	
Helmet Use	#	%	#	%	#	%	#	%
Helmet Not Worn	18	39.1%	384	60.5%	2	40.0%	**404**	**58.9%**
Helmet Worn	12	26.1%	188	29.6%	3	60.0%	**203**	**29.6%**
Unknown	16	34.8%	63	9.9%	0	0.0%	**79**	**11.5%**
Total	**46**	**100.0%**	**635**	**100.0%**	**5**	**100.0%**	**686**	**100.0%**



- Where helmet use is known for bicyclists, 33.4% of bicyclists were wearing a helmet.

Bicycle-Motor Vehicle Crash Conditions

Bicyclists in Crashes by County (Utah 2015)

Bicyclists								
	Non-Injured		Injured		Killed		Total	
County	#	Rate per 10,000 Pop.	#	Rate per 10,000 Pop.	#	Rate per 10,000 Pop.	#	Rate per 10,000 Pop.
Grand	0	0.00	6	6.31	0	0.00	**6**	**6.31**
Carbon	0	0.00	7	3.42	0	0.00	**7**	**3.42**
Salt Lake	24	0.22	329	2.97	3	0.03	**356**	**3.21**
Washington	4	0.26	39	2.51	0	0.00	**43**	**2.76**
Cache	5	0.41	22	1.82	0	0.00	**27**	**2.24**
Utah	3	0.05	111	1.93	2	0.03	**116**	**2.02**
Iron	0	0.00	9	1.86	0	0.00	**9**	**1.86**
Weber	2	0.08	41	1.68	0	0.00	**43**	**1.76**
Davis	7	0.21	45	1.34	0	0.00	**52**	**1.55**
Sevier	0	0.00	3	1.43	0	0.00	**3**	**1.43**
Uintah	0	0.00	5	1.32	0	0.00	**5**	**1.32**
San Juan	1	0.63	1	0.63	0	0.00	**2**	**1.27**
Tooele	0	0.00	7	1.11	0	0.00	**7**	**1.11**
Wasatch	0	0.00	3	1.03	0	0.00	**3**	**1.03**
Emery	0	0.00	1	0.96	0	0.00	**1**	**0.96**
Millard	0	0.00	1	0.79	0	0.00	**1**	**0.79**
Summit	0	0.00	2	0.50	0	0.00	**2**	**0.50**
Box Elder	0	0.00	2	0.38	0	0.00	**2**	**0.38**
Sanpete	0	0.00	1	0.35	0	0.00	**1**	**0.35**
Beaver	0	0.00	0	0.00	0	0.00	**0**	**0.00**
Daggett	0	0.00	0	0.00	0	0.00	**0**	**0.00**
Duchesne	0	0.00	0	0.00	0	0.00	**0**	**0.00**
Garfield	0	0.00	0	0.00	0	0.00	**0**	**0.00**
Juab	0	0.00	0	0.00	0	0.00	**0**	**0.00**
Kane	0	0.00	0	0.00	0	0.00	**0**	**0.00**
Morgan	0	0.00	0	0.00	0	0.00	**0**	**0.00**
Piute	0	0.00	0	0.00	0	0.00	**0**	**0.00**
Rich	0	0.00	0	0.00	0	0.00	**0**	**0.00**
Wayne	0	0.00	0	0.00	0	0.00	**0**	**0.00**
Statewide	**46**	**0.15**	**635**	**2.12**	**5**	**0.02**	**686**	**2.29**

- Urban areas (2.51) had a much higher total bicycle-motor vehicle crash rate per 10,000 population than rural areas (1.07).
- Grand (6.31), Carbon (3.42), Salt Lake (3.21), and Washington (2.76) counties had the highest rates per population of total bicyclists in crashes per 10,000 population.
- Salt Lake County accounted for 52% of the bicyclists in crashes.
- Beaver, Daggett, Duchesne, Garfield, Juab, Kane, Morgan, Piute, Rich, and Wayne counties had no bicyclists in crashes.

Bicyclists								
	Non-Injured		Injured		Killed		Total	
Location	#	Rate per 10,000 Pop.	#	Rate per 10,000 Pop.	#	Rate per 10,000 Pop.	#	Rate per 10,000 Pop.
Urban	45	0.18	587	2.31	5	0.02	**637**	**2.51**
Rural	1	0.02	48	1.05	0	0.00	**49**	**1.07**
Total	**46**	**0.15**	**635**	**2.12**	**5**	**0.02**	**686**	**2.29**

Bicycle-Motor Vehicle Crash Conditions

Age of Bicyclists in Crashes (Utah 2015)

Bicyclists								
	Non-Injured		Injured		Killed		Total	
Age	#	%	#	%	#	%	#	%
0-4	1	2.2%	1	0.2%	0	0.0%	**2**	**0.3%**
5-9	1	2.2%	23	3.6%	0	0.0%	**24**	**3.5%**
10-14	5	10.9%	72	11.3%	0	0.0%	**77**	**11.2%**
15-19	2	4.3%	93	14.6%	0	0.0%	**95**	**13.8%**
20-24	4	8.7%	90	14.2%	0	0.0%	**94**	**13.7%**
25-29	2	4.3%	47	7.4%	1	20.0%	**50**	**7.3%**
30-34	6	13.0%	51	8.0%	1	20.0%	**58**	**8.5%**
35-39	4	8.7%	33	5.2%	1	20.0%	**38**	**5.5%**
40-44	1	2.2%	50	7.9%	0	0.0%	**51**	**7.4%**
45-49	3	6.5%	44	6.9%	0	0.0%	**47**	**6.9%**
50-54	0	0.0%	33	5.2%	2	40.0%	**35**	**5.1%**
55-59	2	4.3%	27	4.3%	0	0.0%	**29**	**4.2%**
60-64	1	2.2%	17	2.7%	0	0.0%	**18**	**2.6%**
65-69	0	0.0%	12	1.9%	0	0.0%	**12**	**1.7%**
70+	0	0.0%	9	1.4%	0	0.0%	**9**	**1.3%**
Unknown	14	30.4%	33	5.2%	0	0.0%	**47**	**6.9%**
Total	**46**	**100.0%**	**635**	**100.0%**	**5**	**100.0%**	**686**	**100.0%**

- Nearly one-half (41.6% of known) of the bicyclists in crashes were 10-24 years.

Driver Age (Utah 2015)

Drivers (Bicycle-Motor Vehicle Crashes)								
	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
Age	#	%	#	%	#	%	#	%
<15	1	2.3%	1	0.2%	0	0.0%	**2**	**0.3%**
15-19	4	9.1%	58	9.0%	0	0.0%	**62**	**8.9%**
20-24	6	13.6%	81	12.5%	0	0.0%	**87**	**12.5%**
25-29	2	4.5%	57	8.8%	1	20.0%	**60**	**8.6%**
30-34	4	9.1%	72	11.1%	0	0.0%	**76**	**10.9%**
35-39	3	6.8%	55	8.5%	1	20.0%	**59**	**8.5%**
40-44	4	9.1%	46	7.1%	0	0.0%	**50**	**7.2%**
45-49	2	4.5%	46	7.1%	2	40.0%	**50**	**7.2%**
50-54	3	6.8%	26	4.0%	0	0.0%	**29**	**4.2%**
55-59	0	0.0%	52	8.0%	0	0.0%	**52**	**7.5%**
60-64	2	4.5%	37	5.7%	0	0.0%	**39**	**5.6%**
65-69	1	2.3%	25	3.9%	0	0.0%	**26**	**3.7%**
70-74	2	4.5%	15	2.3%	0	0.0%	**17**	**2.4%**
75-79	1	2.3%	7	1.1%	0	0.0%	**8**	**1.1%**
80-84	0	0.0%	8	1.2%	0	0.0%	**8**	**1.1%**
85+	1	2.3%	6	0.9%	0	0.0%	**7**	**1.0%**
Unknown	8	18.2%	56	8.6%	1	20.0%	**65**	**9.3%**
Total	**44**	**100.0%**	**648**	**100.0%**	**5**	**100.0%**	**697**	**100.0%**

- Over half (54.7% of known) of drivers in total bicycle-motor vehicle crashes were under age 40 years.
- The average age of a driver that hit a bicyclist was 40.3 years.

Bicycle-Motor Vehicle Crash Conditions

Gender of Bicyclists in Crashes (Utah 2015)

Bicyclists								
	Non-Injured		Injured		Killed		Total	
Gender	#	%	#	%	#	%	#	%
Male	31	67.4%	481	75.7%	3	60.0%	**515**	**75.1%**
Female	4	8.7%	143	22.5%	2	40.0%	**149**	**21.7%**
Unknown	11	23.9%	11	1.7%	0	0.0%	**22**	**3.2%**
Total	**46**	**100.0%**	**635**	**100.0%**	**5**	**100.0%**	**686**	**100.0%**

- Most bicyclists (75.1%) in crashes were male.

Driver Gender (Utah 2015)

Drivers (Bicycle-Motor Vehicle Crashes)								
	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
Gender	#	%	#	%	#	%	#	%
Male	19	43.2%	305	47.1%	4	80.0%	**328**	**47.1%**
Female	20	45.5%	296	45.7%	0	0.0%	**316**	**45.3%**
Unknown	5	11.4%	47	7.3%	1	20.0%	**53**	**7.6%**
Total	**44**	**100.0%**	**648**	**100.0%**	**5**	**100.0%**	**697**	**100.0%**

- A slight majority of drivers in total bicycle-motor vehicle crashes (50.9% of known) were male.

Bicycle-Motor Vehicle Crashes by Month (Utah 2015)

Bicyclists								
	Non-Injured		Injured		Killed		Total	
Month	#	Rate per Day	#	Rate per Day	#	Rate per Day	#	Rate per Day
January	0	0.0	23	0.7	0	0.00	**23**	**0.7**
February	5	0.2	31	1.1	0	0.00	**36**	**1.3**
March	0	0.0	44	1.4	1	0.03	**45**	**1.5**
April	3	0.1	53	1.8	0	0.00	**56**	**1.9**
May	8	0.3	59	1.9	1	0.03	**68**	**2.2**
June	5	0.2	76	2.5	0	0.00	**81**	**2.7**
July	5	0.2	79	2.5	1	0.03	**85**	**2.7**
August	3	0.1	67	2.2	0	0.00	**70**	**2.3**
September	8	0.3	89	3.0	0	0.00	**97**	**3.2**
October	2	0.1	69	2.2	2	0.06	**73**	**2.4**
November	4	0.1	24	0.8	0	0.00	**28**	**0.9**
December	3	0.1	21	0.7	0	0.00	**24**	**0.8**
Total	**46**	**0.1**	**635**	**1.7**	**5**	**0.01**	**686**	**1.9**

- September (3.2), June (2.7), and July (2.7) had the highest rates per day of total bicycle-motor vehicle crashes.

Bicycle-Motor Vehicle Crash Conditions

Bicycle-Motor Vehicle Crashes by Day of Week (Utah 2015)

Bicyclists								
Day of	Non-Injured		Injured		Killed		Total	
Week	#	%	#	%	#	%	#	%
Sunday	2	4.3%	52	8.2%	0	0.0%	**54**	**7.9%**
Monday	6	13.0%	109	17.2%	0	0.0%	**115**	**16.8%**
Tuesday	6	13.0%	95	15.0%	0	0.0%	**101**	**14.7%**
Wednesday	9	19.6%	99	15.6%	1	20.0%	**109**	**15.9%**
Thursday	2	4.3%	104	16.4%	1	20.0%	**107**	**15.6%**
Friday	12	26.1%	99	15.6%	0	0.0%	**111**	**16.2%**
Saturday	9	19.6%	77	12.1%	3	60.0%	**89**	**13.0%**
Total	**46**	**100.0%**	**635**	**100.0%**	**5**	**100.0%**	**686**	**100.0%**

- The highest percentage of total bicycle-motor vehicle crashes occurred on Monday (16.8%).

Bicycle-Motor Vehicle Crashes by Hour (Utah 2015)

Bicyclists								
	Non-Injured		Injured		Killed		Total	
Hour	#	%	#	%	#	%	#	%
Midnight	0	0.0%	6	0.9%	1	20.0%	**7**	**1.0%**
1 a.m.	0	0.0%	2	0.3%	0	0.0%	**2**	**0.3%**
2 a.m.	0	0.0%	1	0.2%	1	20.0%	**2**	**0.3%**
3 a.m.	0	0.0%	0	0.0%	0	0.0%	**0**	**0.0%**
4 a.m.	0	0.0%	1	0.2%	0	0.0%	**1**	**0.1%**
5 a.m.	0	0.0%	4	0.6%	0	0.0%	**4**	**0.6%**
6 a.m.	3	6.5%	12	1.9%	0	0.0%	**15**	**2.2%**
7 a.m.	1	2.2%	30	4.7%	1	20.0%	**32**	**4.7%**
8 a.m.	2	4.3%	42	6.6%	0	0.0%	**44**	**6.4%**
9 a.m.	2	4.3%	37	5.8%	0	0.0%	**39**	**5.7%**
10 a.m.	3	6.5%	25	3.9%	1	20.0%	**29**	**4.2%**
11 a.m.	5	10.9%	31	4.9%	0	0.0%	**36**	**5.2%**
Noon	4	8.7%	31	4.9%	0	0.0%	**35**	**5.1%**
1 p.m.	2	4.3%	29	4.6%	0	0.0%	**31**	**4.5%**
2 p.m.	2	4.3%	53	8.3%	1	20.0%	**56**	**8.2%**
3 p.m.	3	6.5%	49	7.7%	0	0.0%	**52**	**7.6%**
4 p.m.	5	10.9%	42	6.6%	0	0.0%	**47**	**6.9%**
5 p.m.	4	8.7%	62	9.8%	0	0.0%	**66**	**9.6%**
6 p.m.	3	6.5%	64	10.1%	0	0.0%	**67**	**9.8%**
7 p.m.	3	6.5%	49	7.7%	0	0.0%	**52**	**7.6%**
8 p.m.	2	4.3%	30	4.7%	0	0.0%	**32**	**4.7%**
9 p.m.	2	4.3%	19	3.0%	0	0.0%	**21**	**3.1%**
10 p.m.	0	0.0%	11	1.7%	0	0.0%	**11**	**1.6%**
11 p.m.	0	0.0%	5	0.8%	0	0.0%	**5**	**0.7%**
Total	**46**	**100.0%**	**635**	**100.0%**	**5**	**100.0%**	**686**	**100.0%**

- Total bicycle-motor vehicle crashes were highest between 2:00 p.m. and 6:59 p.m.

Bicycle-Motor Vehicle Crash Conditions

Contributing Factors of Bicyclists in Crashes (Utah 2015)

Bicyclists								
	Non-Injured		Injured		Killed		Total	
Contributing Factors	#	%	#	%	#	%	#	%
None	22	47.8%	265	41.7%	1	20.0%	**288**	**42.0%**
Wrong Side of Road	8	17.4%	60	9.4%	0	0.0%	**68**	**9.9%**
Improper Crossing	3	6.5%	58	9.1%	0	0.0%	**61**	**8.9%**
Failure to Obey Traffic Signs/Signals	2	4.3%	45	7.1%	1	20.0%	**48**	**7.0%**
Failure to Yield Right of Way	3	6.5%	35	5.5%	1	20.0%	**39**	**5.7%**
Darting	3	6.5%	26	4.1%	0	0.0%	**29**	**4.2%**
Not Visible	1	2.2%	26	4.1%	0	0.0%	**27**	**3.9%**
Inattentive	2	4.3%	24	3.8%	0	0.0%	**26**	**3.8%**
Improper Turn/Merge	0	0.0%	10	1.6%	0	0.0%	**10**	**1.5%**
Improper Passing	1	2.2%	5	0.8%	0	0.0%	**6**	**0.9%**
In Roadway Improperly	0	0.0%	3	0.5%	0	0.0%	**3**	**0.4%**
Other	0	0.0%	43	6.8%	1	20.0%	**44**	**6.4%**
Unknown	1	2.2%	35	5.5%	1	20.0%	**37**	**5.4%**
Total	**46**	**100.0%**	**635**	**100.0%**	**5**	**100.0%**	**686**	**100.0%**

- Wrong side of road, improper crossing, and failure to obey traffic signs/signals were the leading contributing factors for bicyclists in total crashes.
- No bicyclist contributing factors were listed for 44.4% (of known) of the total bicyclists in crashes.
- Other contributing factors to consider are driver factors, roadway factors (such as high speeds, inadequate on-road bicycle facilities), and vehicle factors (such as vehicle design, vehicle size).

Bicyclist Location in Bicycle-Motor Vehicle Crashes (Utah 2015)

Bicyclists								
	Non-Injured		Injured		Killed		Total	
Bicyclist Location	#	%	#	%	#	%	#	%
Marked Crosswalk at Intersection	13	28.3%	176	27.7%	3	60.0%	**192**	**28.0%**
In Roadway (not at intersection)	6	13.0%	125	19.7%	2	40.0%	**133**	**19.4%**
Shoulder	4	8.7%	90	14.2%	0	0.0%	**94**	**13.7%**
Sidewalk	2	4.3%	83	13.1%	0	0.0%	**85**	**12.4%**
Unmarked Crosswalk	4	8.7%	47	7.4%	0	0.0%	**51**	**7.4%**
Bike Path/Lane	2	4.3%	43	6.8%	0	0.0%	**45**	**6.6%**
Mid-Block Crosswalk	0	0.0%	11	1.7%	0	0.0%	**11**	**1.6%**
Outside Right of Way	0	0.0%	5	0.8%	0	0.0%	**5**	**0.7%**
Shared Use Path/Trail	0	0.0%	1	0.2%	0	0.0%	**1**	**0.1%**
Other	5	10.9%	32	5.0%	0	0.0%	**37**	**5.4%**
Unknown	10	21.7%	22	3.5%	0	0.0%	**32**	**4.7%**
Total	**46**	**100.0%**	**635**	**100.0%**	**5**	**100.0%**	**686**	**100.0%**

- For total crashes, the largest percentages of bicyclist location prior to the crash were marked crosswalk (29.4% of known), in roadway (20.3% of known), shoulder (14.4% of known), and sidewalk (13.0% of known).
- Bicycles are considered vehicles and have a legal right to the road.

Bicycle-Motor Vehicle Crash Conditions

Bicyclist Action in Bicycle-Motor Vehicle Crashes (Utah 2015)

Bicyclists								
	Non-Injured		Injured		Killed		Total	
Bicyclist Action	#	%	#	%	#	%	#	%
Cycling on Sidewalk	7	15.2%	208	32.8%	0	0.0%	**215**	**31.3%**
Cycling Along Roadway with Traffic	5	10.9%	169	26.6%	2	40.0%	**176**	**25.7%**
Entering or Crossing Road	11	23.9%	145	22.8%	2	40.0%	**158**	**23.0%**
Cycling Along Roadway Against Traffic	7	15.2%	65	10.2%	1	20.0%	**73**	**10.6%**
In Roadway Other	1	2.2%	15	2.4%	0	0.0%	**16**	**2.3%**
Waiting to Cross Roadway	1	2.2%	3	0.5%	0	0.0%	**4**	**0.6%**
Going to/from School	0	0.0%	3	0.5%	0	0.0%	**3**	**0.4%**
Adjacent to Roadway	0	0.0%	1	0.2%	0	0.0%	**1**	**0.1%**
Other	4	8.7%	12	1.9%	0	0.0%	**16**	**2.3%**
Unknown	10	21.7%	14	2.2%	0	0.0%	**24**	**3.5%**
Total	**46**	**100.0%**	**635**	**100.0%**	**5**	**100.0%**	**686**	**100.0%**

- For total crashes, the largest percentages of bicyclist action prior to the crash were cycling on sidewalk (32.5% of known), cycling along roadway with traffic (26.6% of known), entering or crossing road (23.9% of known), and cycling along roadway against traffic (11.0% of known).

Motor Vehicle Maneuver Prior to Crash (Utah 2015)

Motor Vehicles (Bicycle-Motor Vehicle Crashes)								
	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
Vehicle Maneuver	#	%	#	%	#	%	#	%
Straight Ahead	19	42.2%	228	35.0%	4	80.0%	**251**	**35.8%**
Turning Right	15	33.3%	226	34.7%	1	20.0%	**242**	**34.5%**
Turning Left	3	6.7%	114	17.5%	0	0.0%	**117**	**16.7%**
Entering/Leaving Traffic Lane	1	2.2%	19	2.9%	0	0.0%	**20**	**2.9%**
Stopped/Slowing in Traffic Lane	2	4.4%	16	2.5%	0	0.0%	**18**	**2.6%**
Parked/Parking	1	2.2%	9	1.4%	0	0.0%	**10**	**1.4%**
Changing Lanes	2	4.4%	5	0.8%	0	0.0%	**7**	**1.0%**
Backing	0	0.0%	5	0.8%	0	0.0%	**5**	**0.7%**
Making U-turn	0	0.0%	5	0.8%	0	0.0%	**5**	**0.7%**
Overtaking/Passing	0	0.0%	3	0.5%	0	0.0%	**3**	**0.4%**
Other	0	0.0%	5	0.8%	0	0.0%	**5**	**0.7%**
Unknown	2	4.4%	16	2.5%	0	0.0%	**18**	**2.6%**
Total	**45**	**100.0%**	**651**	**100.0%**	**5**	**100.0%**	**701**	**100.0%**

- For total bicycle-motor vehicle crashes, the leading motor vehicle maneuvers prior to the crash were straight ahead (35.8%), turning right (34.5%), and turning left (16.7%).

Bicycle-Motor Vehicle Crash Conditions

Bicycle-Motor Vehicle Crashes by Speed Limit (Utah 2015)

Motor Vehicles (Bicycle-Motor Vehicle Crashes)								
Speed	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
Limit	#	%	#	%	#	%	#	%
5-15 MPH	0	0.0%	10	1.5%	0	0.0%	**10**	**1.4%**
20-25 MPH	9	20.0%	158	24.3%	1	20.0%	**168**	**24.0%**
30-35 MPH	14	31.1%	184	28.3%	0	0.0%	**198**	**28.2%**
40-45 MPH	9	20.0%	83	12.7%	2	40.0%	**94**	**13.4%**
50-55 MPH	0	0.0%	18	2.8%	0	0.0%	**18**	**2.6%**
60+ MPH	0	0.0%	5	0.8%	0	0.0%	**5**	**0.7%**
Unknown	13	28.9%	193	29.6%	2	40.0%	**208**	**29.7%**
Total	**45**	**100.0%**	**651**	**100.0%**	**5**	**100.0%**	**701**	**100.0%**

- Nearly all (93.3% of known) of bicycle-motor vehicle crashes occurred where the speed limit was 20-45 MPH.

Travel Speed of Motor Vehicles in Bicycle Crashes (Utah 2015)

Motor Vehicles (Bicycle-Motor Vehicle Crash)								
Travel	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
Speed	#	%	#	%	#	%	#	%
Parked	1	2.2%	6	0.9%	0	0.0%	**7**	**1.0%**
Stopped	1	2.2%	11	1.7%	0	0.0%	**12**	**1.7%**
1-9 MPH	10	22.2%	199	30.6%	0	0.0%	**209**	**29.8%**
10-19 MPH	5	11.1%	95	14.6%	0	0.0%	**100**	**14.3%**
20-29 MPH	2	4.4%	57	8.8%	1	20.0%	**60**	**8.6%**
30-39 MPH	5	11.1%	32	4.9%	1	20.0%	**38**	**5.4%**
40-49 MPH	3	6.7%	10	1.5%	1	20.0%	**14**	**2.0%**
50+ MPH	0	0.0%	9	1.4%	0	0.0%	**9**	**1.3%**
Unknown	18	40.0%	232	35.6%	2	40.0%	**252**	**35.9%**
Total	**45**	**100.0%**	**651**	**100.0%**	**5**	**100.0%**	**701**	**100.0%**

- Over two-thirds (68.8% of known) of motor vehicles were travelling 1-19 MPH in crashes with bicycles.

Drivers in Bicycle Crashes with Contributing Factors (Utah 2015)

Drivers/Motor Vehicles (Bicycle-Motor Vehicle Crashes)								
Driver/Vehicle with a	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
Contributing Factor(s)	#	%	#	%	#	%	#	%
Yes	24	53.3%	383	58.8%	2	40.0%	**409**	**58.3%**
No	17	37.8%	239	36.7%	3	60.0%	**259**	**36.9%**
Not Applicable - No Driver	1	2.2%	3	0.5%	0	0.0%	**4**	**0.6%**
Unknown	3	6.7%	26	4.0%	0	0.0%	**29**	**4.1%**
Total	**45**	**100.0%**	**651**	**100.0%**	**5**	**100.0%**	**701**	**100.0%**

- 58.3% of drivers in total bicycle crashes had a contributing factor.

Bicycle-Motor Vehicle Crash Conditions

Contributing Factors in Bicycle Crashes (Utah 2015)

Drivers/Motor Vehicles (Bicycle-Motor Vehicle Crashes)								
	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
Contributing Factors	#	%	#	%	#	%	#	%
Failed to Yield Right of Way	13	37.1%	260	44.9%	0	0.0%	**273**	**44.3%**
Hit and Run	6	17.1%	44	7.6%	1	50.0%	**51**	**8.3%**
Other Improper Driving	0	0.0%	49	8.5%	0	0.0%	**49**	**8.0%**
Driver Distraction	3	8.6%	32	5.5%	0	0.0%	**35**	**5.7%**
Improper Turn	2	5.7%	21	3.6%	0	0.0%	**23**	**3.7%**
Vision Obscured by Glare	1	2.9%	19	3.3%	0	0.0%	**20**	**3.2%**
Disregard Traffic Signal/Sign	3	8.6%	14	2.4%	1	50.0%	**18**	**2.9%**
Vision Obscured by Moving Vehicle	0	0.0%	17	2.9%	0	0.0%	**17**	**2.8%**
Vision Obscured by Parked Vehicle	0	0.0%	12	2.1%	0	0.0%	**12**	**1.9%**
Vision Obscured by Vegetation	0	0.0%	12	2.1%	0	0.0%	**12**	**1.9%**
Vision Obscured by Weather	0	0.0%	12	2.1%	0	0.0%	**12**	**1.9%**
Vision Obscured by Building, Sign	0	0.0%	11	1.9%	0	0.0%	**11**	**1.8%**
Vision Obscured by Other	0	0.0%	11	1.9%	0	0.0%	**11**	**1.8%**
Failed to Keep in Proper Lane	0	0.0%	10	1.7%	0	0.0%	**10**	**1.6%**
Followed Too Closely	3	8.6%	5	0.9%	0	0.0%	**8**	**1.3%**
Driver Emotional Prior to Crash	0	0.0%	7	1.2%	0	0.0%	**7**	**1.1%**
Improper Passing	1	2.9%	5	0.9%	0	0.0%	**6**	**1.0%**
Vehicle Defective Condition	0	0.0%	6	1.0%	0	0.0%	**6**	**1.0%**
Other Driver Condition	0	0.0%	5	0.9%	0	0.0%	**5**	**0.8%**
Improper Parking/Stopping	0	0.0%	4	0.7%	0	0.0%	**4**	**0.6%**
Speed Too Fast	0	0.0%	4	0.7%	0	0.0%	**4**	**0.6%**
Swerved or Evasive Action	1	2.9%	3	0.5%	0	0.0%	**4**	**0.6%**
Improper Lane Change	1	2.9%	2	0.3%	0	0.0%	**3**	**0.5%**
Disregard Road Markings	1	2.9%	1	0.2%	0	0.0%	**2**	**0.3%**
Driver Asleep/Fatigue	0	0.0%	2	0.3%	0	0.0%	**2**	**0.3%**
Driver Illness/Medical	0	0.0%	2	0.3%	0	0.0%	**2**	**0.3%**
Driving Under the Influence	0	0.0%	2	0.3%	0	0.0%	**2**	**0.3%**
Reckless/Aggressive Driving	0	0.0%	2	0.3%	0	0.0%	**2**	**0.3%**
Windshield/Window Obscured	0	0.0%	2	0.3%	0	0.0%	**2**	**0.3%**
Improper Backing	0	0.0%	1	0.2%	0	0.0%	**1**	**0.2%**
Improper Signal	0	0.0%	1	0.2%	0	0.0%	**1**	**0.2%**
Ran Off Road	0	0.0%	1	0.2%	0	0.0%	**1**	**0.2%**
Wrong Side/Wrong Way	0	0.0%	0	0.0%	0	0.0%	**0**	**0.0%**
Total	**35**	**100.0%**	**579**	**100.0%**	**2**	**100.0%**	**616**	**100.0%**

- Failed to yield right of way (44.3%), hit and run (8.3%), and driver distraction (5.7%) were the leading contributing factors in total bicycle-motor vehicle crashes.