

Bicyclists



Section 12: Bicyclists

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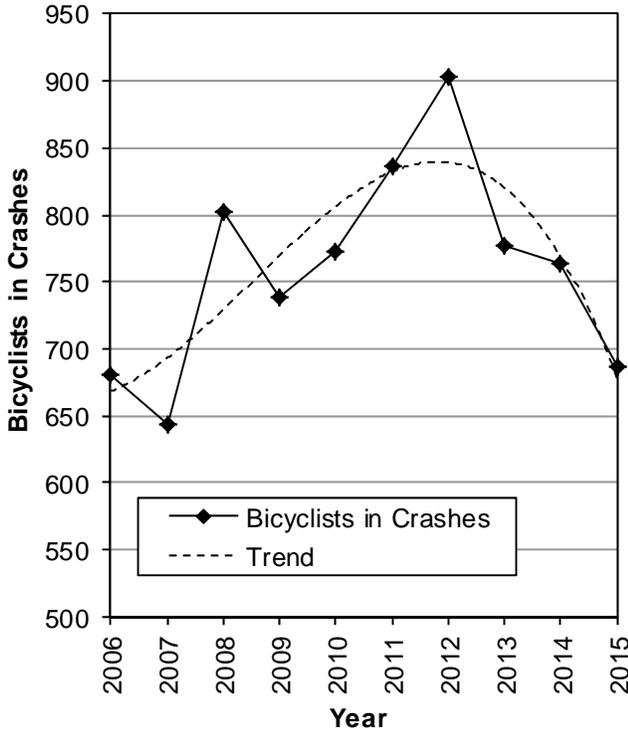
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Trends

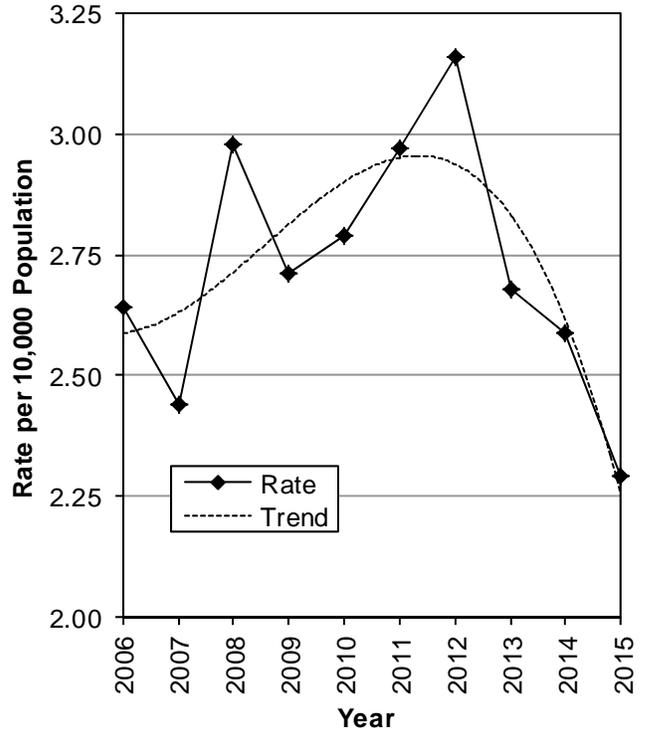
Bicyclists in Crashes (Utah 2006-2015)

Bicyclists								
Year	Non-Injured		Injured		Killed		Total	
	#	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)



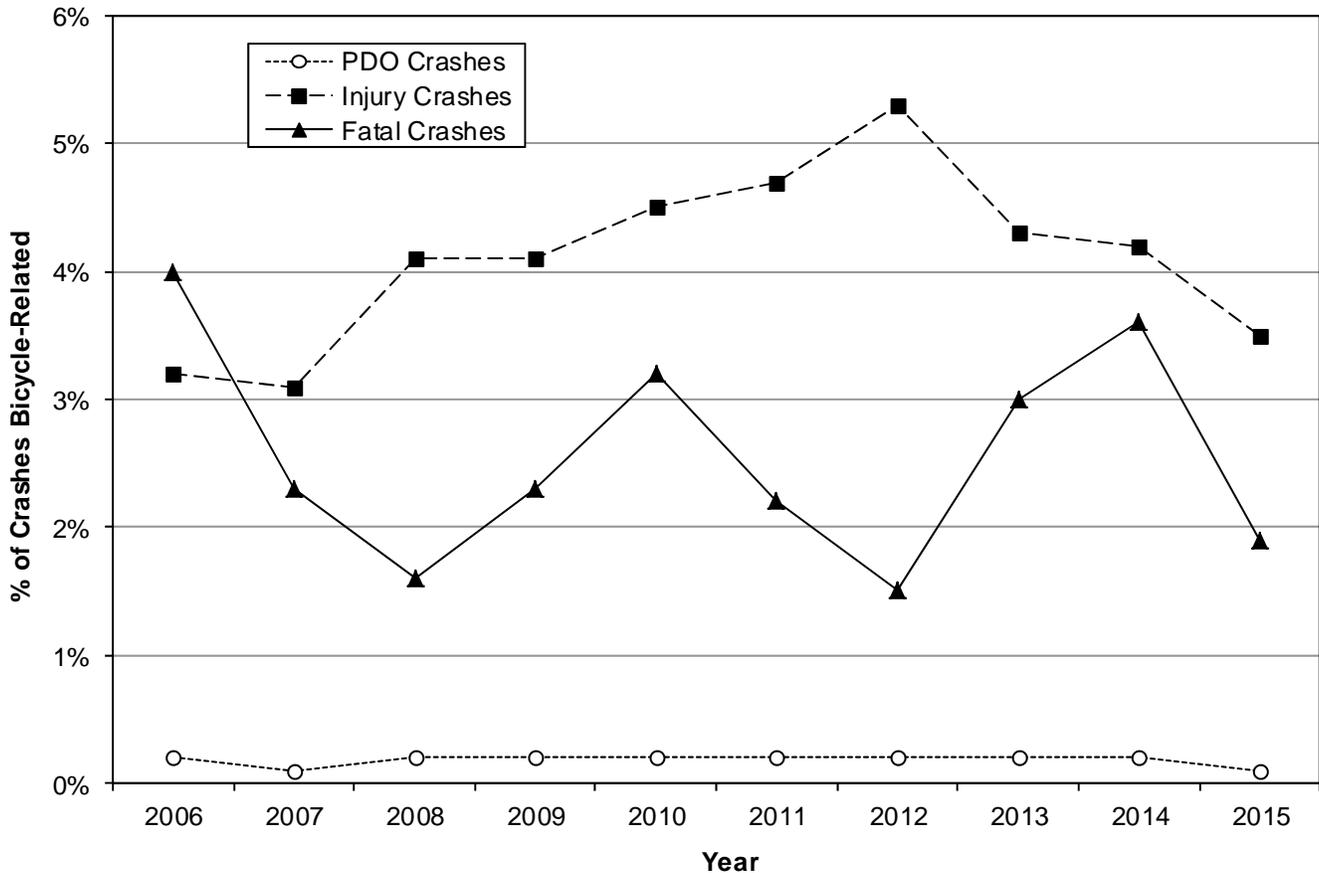
- On average, 760 bicyclists are in crashes every year.
- The total number of bicyclists in crashes has steadily decreased the last three years.
- 2012 had the highest number of bicyclists in crashes (903).
- The total rate per population of bicyclists in crashes decreased 13% over the last 10 years.
- 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)

Year	Bicycle-Motor Vehicle Crashes											
	Property Damage Only			Injury			Fatal			Total		
	All #	Bicycle #	%	All #	Bicycle #	%	All #	Bicycle #	%	All #	Bicycle #	%
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)

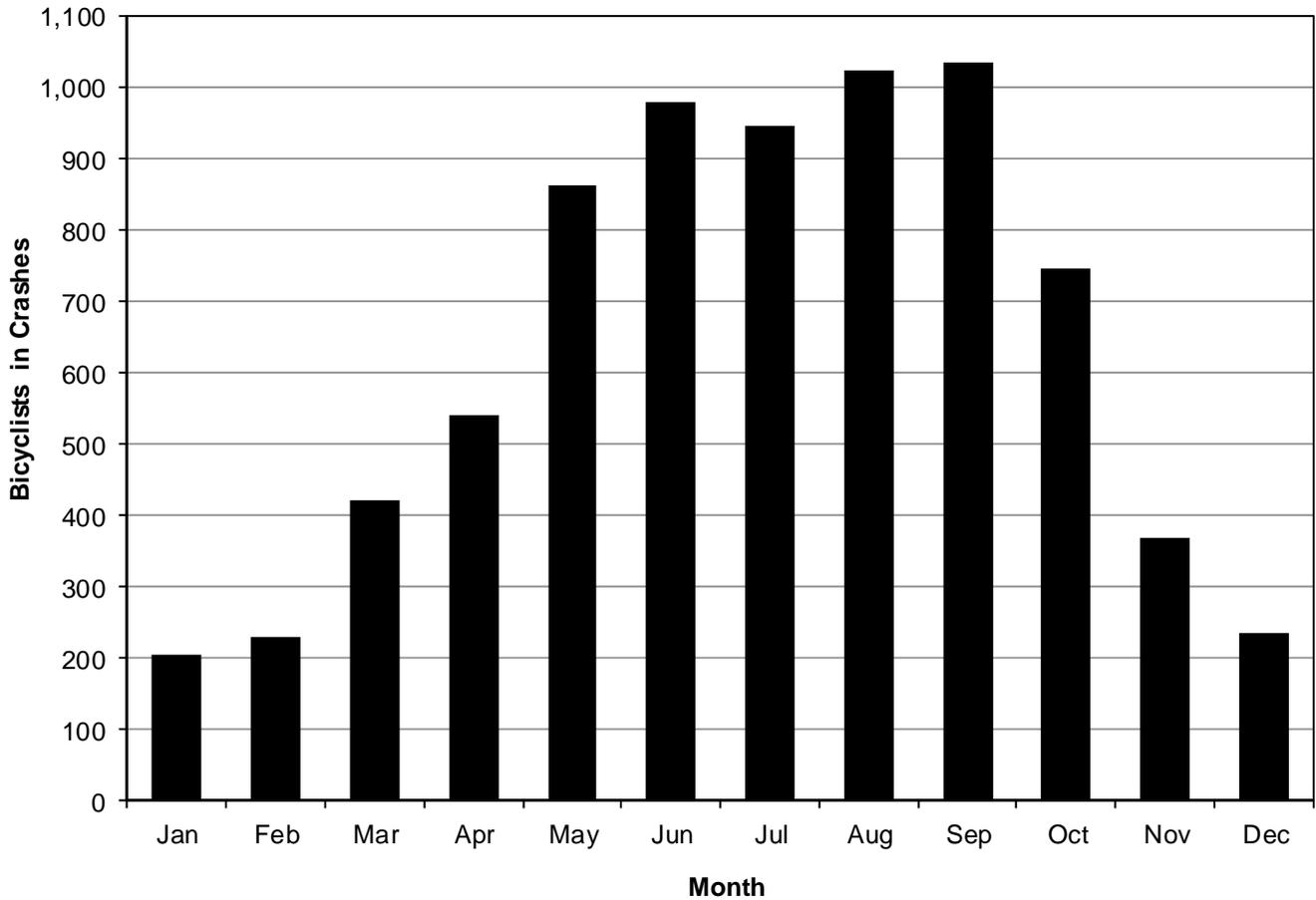


- The 10-year trend shows that bicycle-motor vehicle crashes represent 0.2% of property damage only crashes, 4.1% of injury crashes, and 2.6% of fatal crashes.
- During the last 10 years, 7,474 crashes involved a bicyclist. There are approximately 675 injury crashes and six fatal crashes involving bicyclists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

Trends

Bicyclists in Crashes by Month (Utah 2006-2015)

Bicyclists												
Month	Year										Total	
	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%

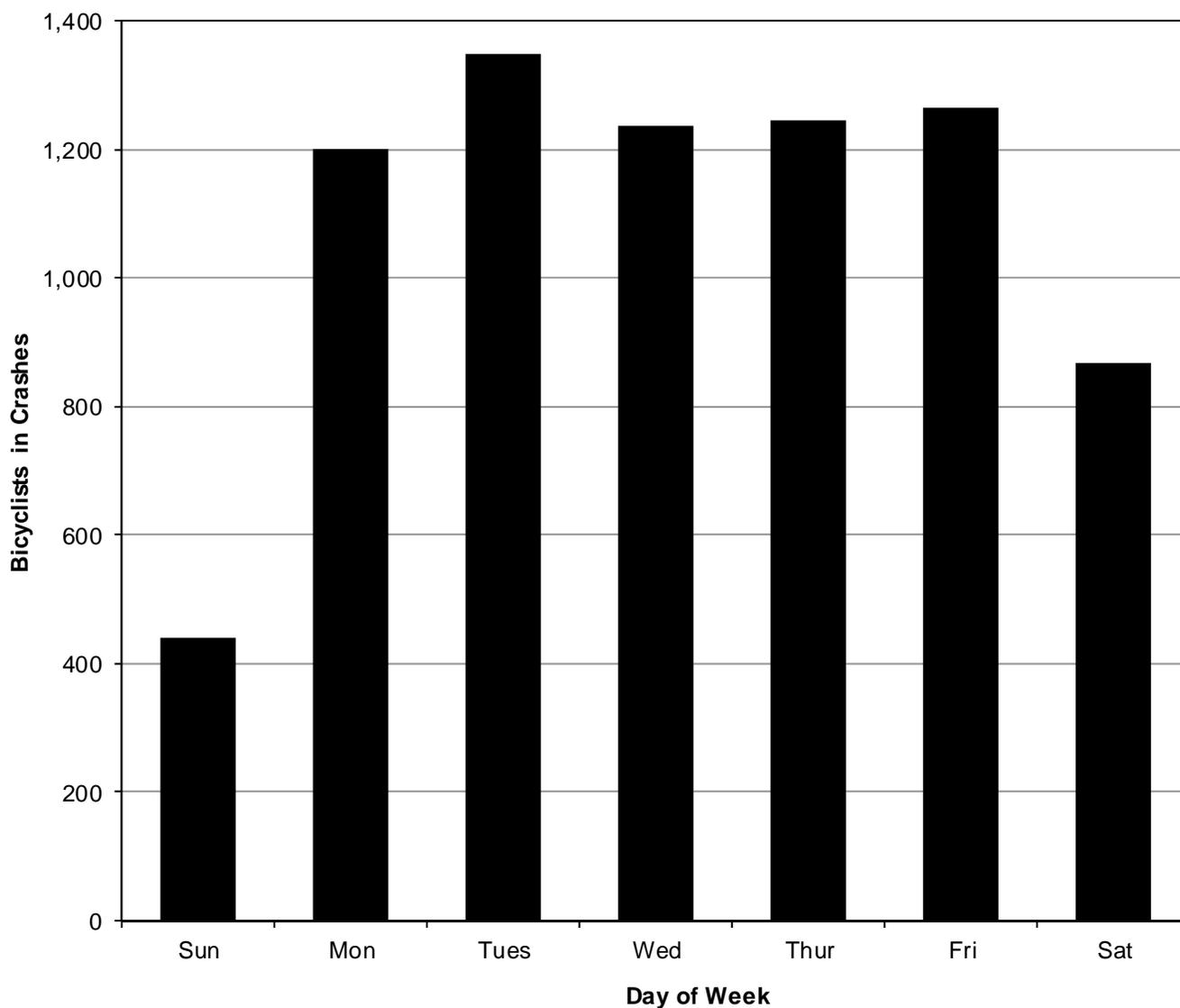


- Bicycle-motor vehicle crashes were highest during the months of May through September over the past 10 years.
- Bicycle-motor vehicle crashes were lowest during the months of December through February over the past 10 years.

Trends

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

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%

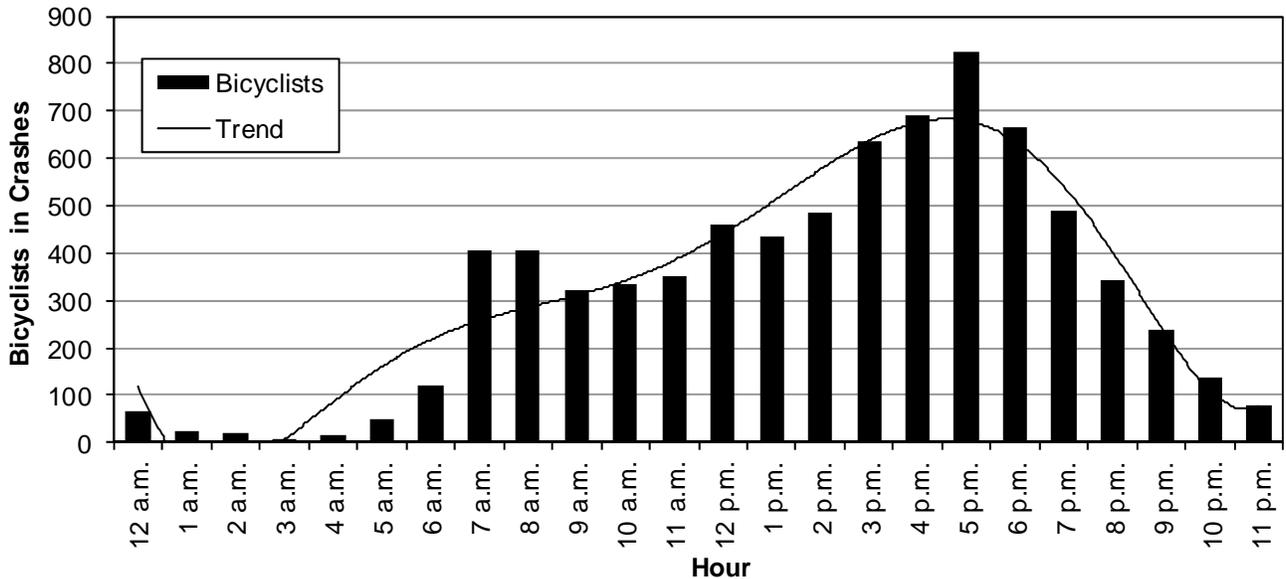


- Bicycle-motor vehicle crashes were highest Monday through Friday over the past 10 years.
- Bicycle-motor vehicle crashes were lowest on Sunday over the past 10 years.

Trends

Bicyclists in Crashes by Hour (Utah 2006-2015)

Hour	Bicyclists										Total	
	Year										#	%
	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)

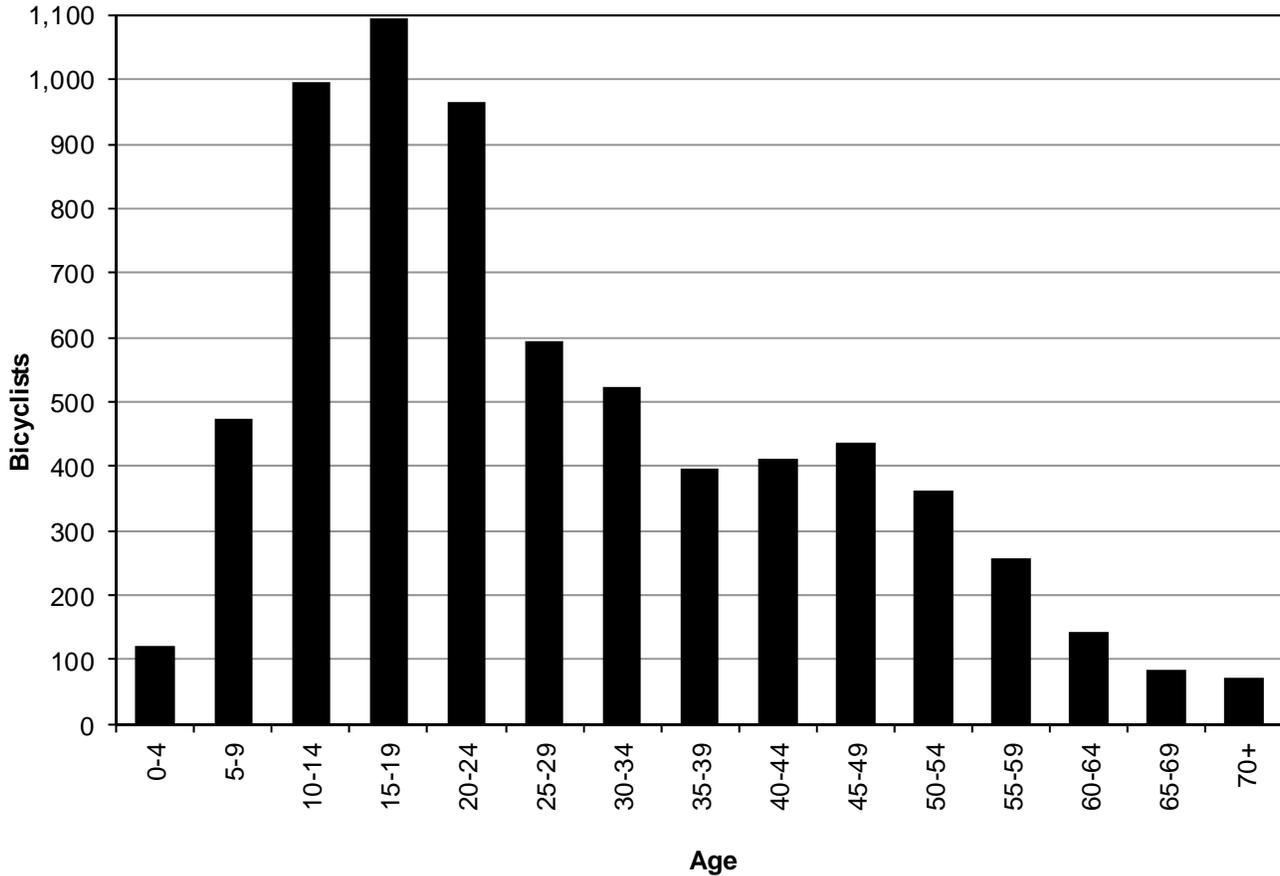
Bicyclists													
County	Year										Total		Rate per Year per 10,000 Population
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	#	%	
Salt Lake	360	341	416	392	399	435	484	417	392	356	3,992	52.5%	3.61
Grand	5	2	3	0	0	3	4	1	3	6	27	0.4%	2.84
Cache	25	28	40	28	39	39	30	32	33	27	321	4.2%	2.66
Utah	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												
Age	Year										Total	
	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%

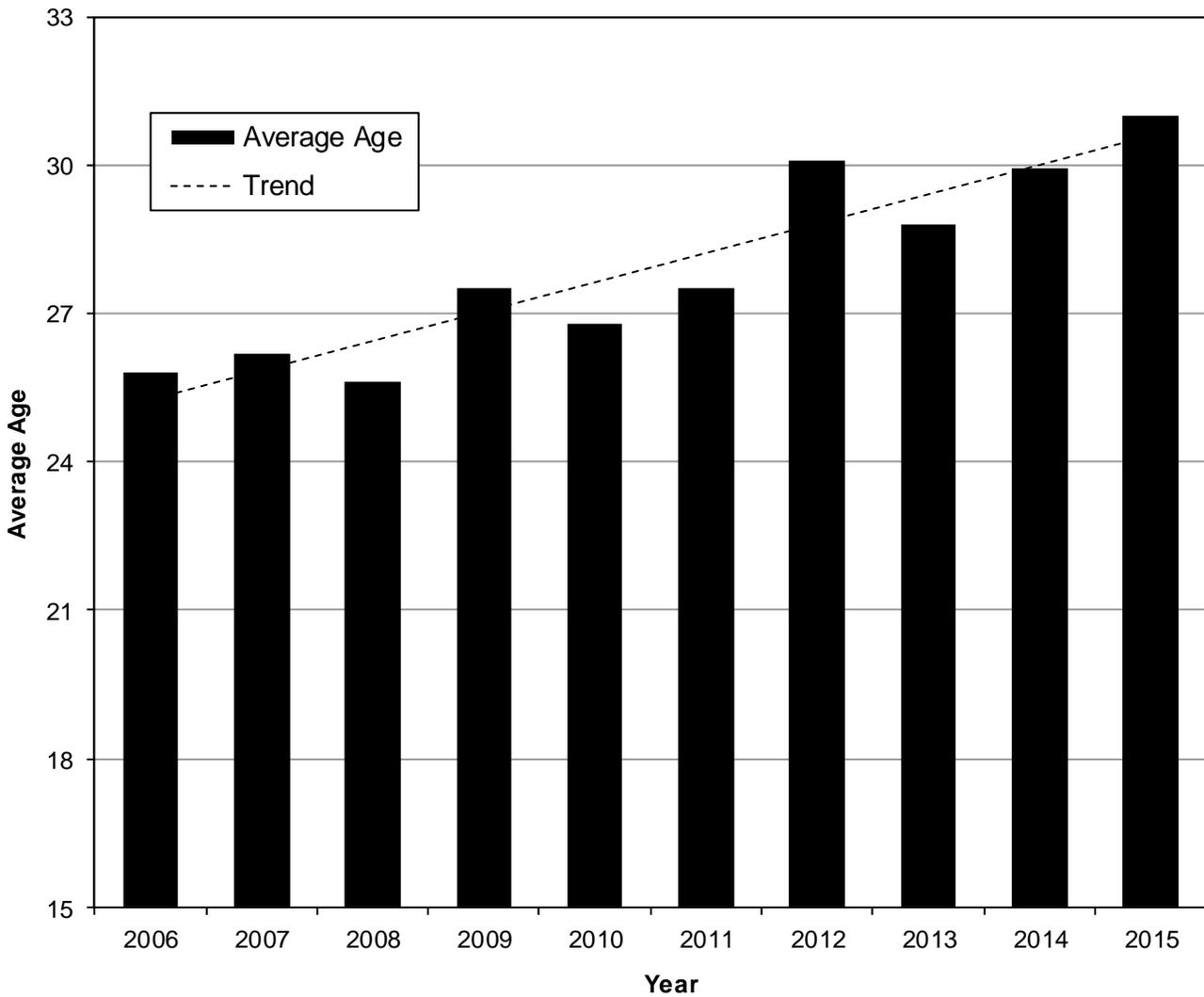


- Bicycle-motor vehicle crashes were highest among ages 10-24 years.
- Bicycle-motor vehicle crashes were lowest among ages 60+ years.

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

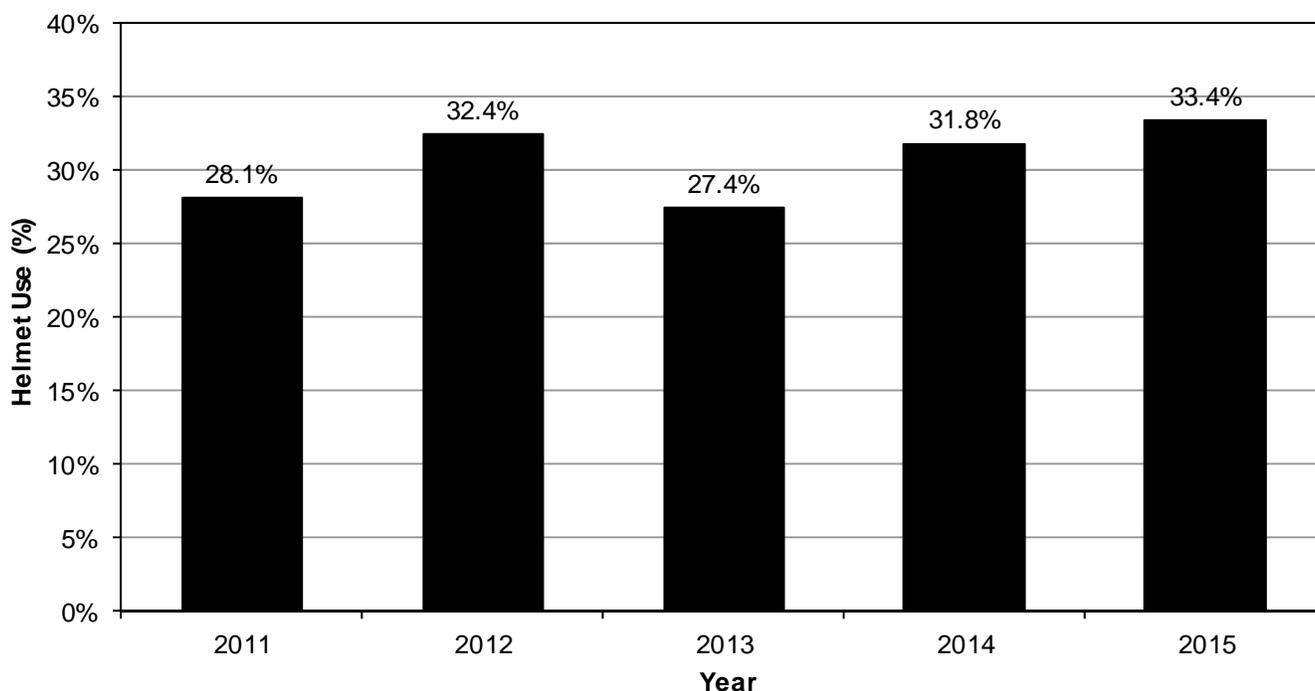


- The average age of bicyclists in crashes has shown an increasing trend over the last 10 years.

Helmets

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

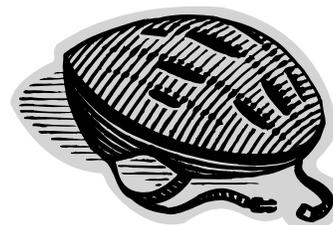
Year	Bicyclists											
	Non-Injured			Injured			Killed			Total		
	No Hlmt	Helmet	%	No Hlmt	Helmet	%	No Hlmt	Helmet	%	No Hlmt	Helmet	%
2011	34	5	12.8%	180	78	30.2%	3	2	40.0%	217	85	28.1%
2012	18	5	21.7%	190	96	33.6%	3	0	0.0%	211	101	32.4%
2013	24	10	29.4%	289	106	26.8%	3	3	50.0%	316	119	27.4%
2014	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)

Helmet Use	Bicyclists							
	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
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								
County	Non-Injured		Injured		Killed		Total	
	#	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								
Location	Non-Injured		Injured		Killed		Total	
	#	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								
Age	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
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)								
Age	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
<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								
Gender	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
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)								
Gender	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
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								
Month	Non-Injured		Injured		Killed		Total	
	#	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 Week	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
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								
Hour	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
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								
Contributing Factors	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
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								
Bicyclist Location	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
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)

Bicyclist Action	Bicyclists							
	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
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)

Vehicle Maneuver	Motor Vehicles (Bicycle-Motor Vehicle Crashes)							
	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
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 Limit	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
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 Speed	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
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 Contributing Factor(s)	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
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)								
Contributing Factors	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
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.