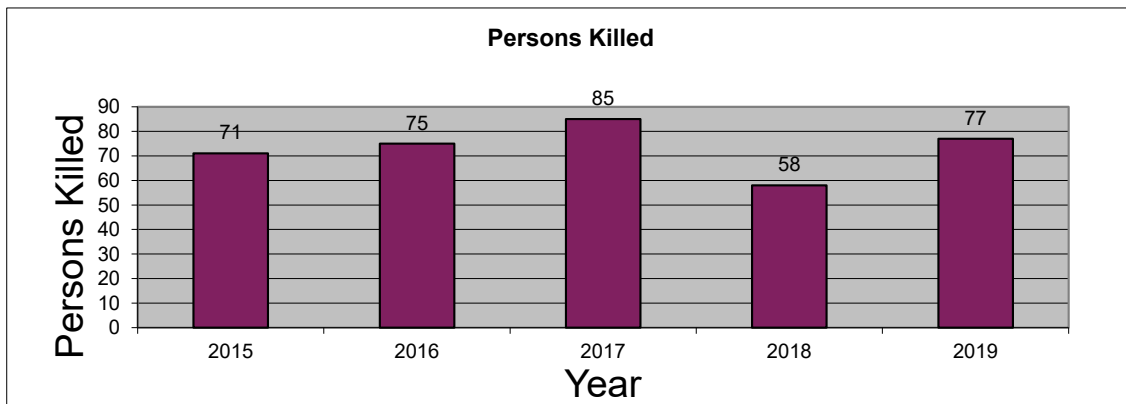
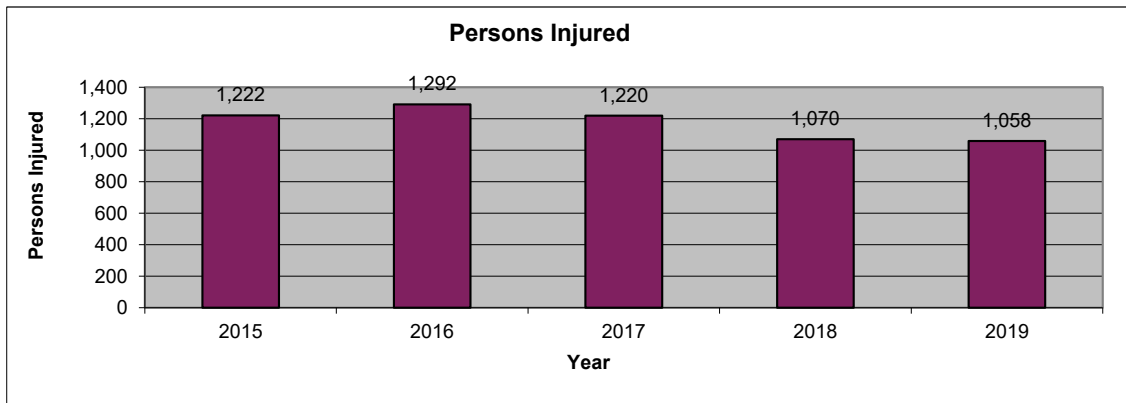
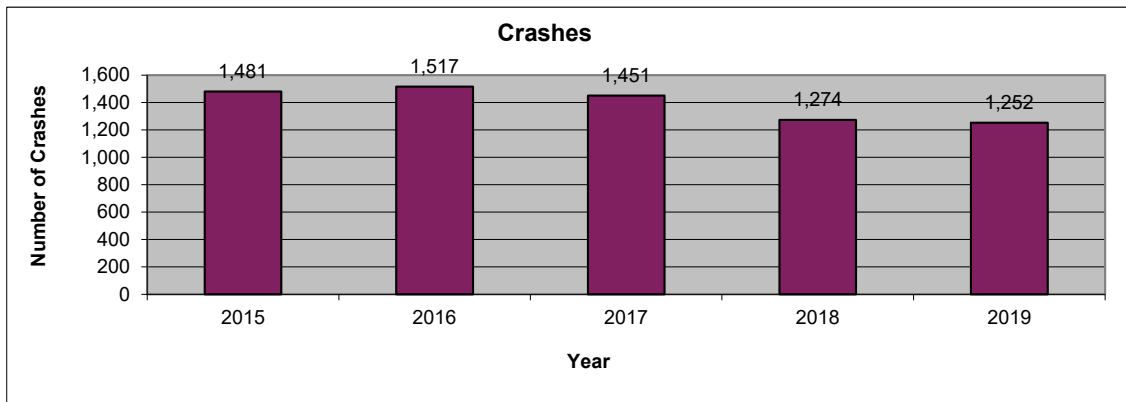


### Motorcycle Involved Crash Summary

	2015	2016	2017	2018	2019	5 Year AVG.	%
Fatal Crashes	68	71	83	56	74	70	5.0
Injury Crashes	1,048	1,126	1,028	943	897	1008	72.3
Property Damage Crashes	365	320	340	275	281	316	22.7
<b>Total Crashes</b>	<b>1,481</b>	<b>1,517</b>	<b>1,451</b>	<b>1,274</b>	<b>1,252</b>	<b>1395</b>	<b>100.0</b>
<b>Total of All Fatalities</b>	<b>71</b>	<b>75</b>	<b>85</b>	<b>58</b>	<b>77</b>	<b>73</b>	
<b>Total Number Injured</b>	<b>1,222</b>	<b>1,292</b>	<b>1,220</b>	<b>1,070</b>	<b>1,058</b>	<b>1,172</b>	



2018 is subject to change. Data are based on reports provided by the Maryland State Police Central Records Division (CRD). 2018 crash reports submitted to CRD during calendar year 2019 (up to Dec. 31, 2019) will be accepted in the database; however, based on an analysis of previous reporting years, nearly all crash reports completed by local agencies have been submitted and processed by this time of year. Revised summary reports may be produced after an analysis is completed on crash reports submitted, or revised, between the run date of this report and Dec. 31, 2019.

### Motorcycle Involved Route Type

Route Type	2015	2016	2017	2018	2019	AVG.	%
IS	143	145	152	131	140	142	10.2
US	153	146	146	125	132	140	10.1
MD	506	523	500	454	434	483	34.7
CO	382	418	384	339	347	374	26.8
MU	121	112	104	97	70	101	7.2
GV	2	5	2	2	1	2	0.2
SR	2	0	1	1	2	1	0.1
OP	3	10	2	2	4	4	0.3
Balto. City CY	0	0	0	0	0	0	0.0
Parking Lots	29	27	48	34	28	33	2.4
Unknown	140	131	112	89	94	113	8.1
<b>Total Crashes</b>	<b>1,481</b>	<b>1,517</b>	<b>1,451</b>	<b>1,274</b>	<b>1,252</b>	<b>1395</b>	<b>100.0</b>

Route Type	2015	2016	2017	2018	2019	AVG.	%
IS	106	105	106	89	93	100	9.9
US	114	114	103	101	98	106	10.5
MD	370	401	368	351	320	362	35.9
CO	300	327	280	263	256	285	28.3
MU	76	79	69	66	50	68	6.7
GV	2	2	1	2	1	2	0.2
SR	2	0	1	1	1	1	0.1
OP	2	5	0	0	4	2	0.2
Balto. City CY	0	0	0	0	0	0	0.0
Parking Lots	4	10	22	16	11	13	1.2
Unknown	72	83	78	54	63	70	6.9
<b>Injury Crashes</b>	<b>1,048</b>	<b>1,126</b>	<b>1,028</b>	<b>943</b>	<b>897</b>	<b>1,008</b>	<b>100.0</b>

Route Type	2015	2016	2017	2018	2019	AVG.	%
IS	8	8	9	6	8	8	11.1
US	10	7	14	5	12	10	13.6
MD	28	29	32	27	30	29	41.5
CO	15	20	19	13	16	17	23.6
MU	3	4	6	4	2	4	5.4
GV	0	1	0	0	0	0	0.3
SR	0	0	0	0	0	0	0.0
OP	0	0	0	0	0	0	0.0
Balto. City CY	0	0	0	0	0	0	0.0
Parking Lots	0	0	0	0	0	0	0.0
Unknown	4	2	3	1	6	3	4.5
<b>Fatal Crashes</b>	<b>68</b>	<b>71</b>	<b>83</b>	<b>56</b>	<b>74</b>	<b>70</b>	<b>100.0</b>

**Motorcycle Involved  
 County**

County	2015	2016	2017	2018	2019	AVG.	%
Allegany	11	20	8	18	13	14	1.0
Anne Arundel	155	146	162	140	129	146	10.5
Baltimore	204	196	180	212	179	194	13.9
Calvert	39	34	25	21	19	28	2.0
Caroline	10	5	4	3	7	6	0.4
Carroll	42	34	37	31	45	38	2.7
Cecil	29	49	46	46	39	42	3.0
Charles	53	60	37	50	53	51	3.6
Dorchester	11	6	8	6	12	9	0.6
Frederick	76	76	86	61	67	73	5.2
Garrett	7	15	19	10	9	12	0.9
Harford	54	66	79	46	52	59	4.3
Howard	65	46	63	41	44	52	3.7
Kent	6	4	2	1	3	3	0.2
Montgomery	122	137	140	124	135	132	9.4
Prince George's	208	230	217	168	170	199	14.2
Queen Anne's	9	11	19	14	11	13	0.9
St. Mary's	31	30	27	37	33	32	2.3
Somerset	1	2	9	4	4	4	0.3
Talbot	14	7	10	11	4	9	0.7
Washington	61	79	56	51	46	59	4.2
Wicomico	27	32	32	31	44	33	2.4
Worcester	39	37	29	26	38	34	2.4
Baltimore City	207	195	156	122	96	155	11.1
<b>Total Crashes</b>	<b>1,481</b>	<b>1,517</b>	<b>1,451</b>	<b>1,274</b>	<b>1,252</b>	<b>1,395</b>	<b>100.0</b>

County	2015	2016	2017	2018	2019	AVG.	%
Allegany	10	18	7	16	11	12	1.2
Anne Arundel	117	106	117	111	100	110	10.9
Baltimore	145	151	113	159	128	139	13.8
Calvert	29	27	19	12	15	20	2.0
Caroline	8	4	4	2	5	5	0.5
Carroll	30	27	29	24	33	29	2.8
Cecil	24	37	30	35	29	31	3.1
Charles	42	44	26	34	38	37	3.6
Dorchester	8	5	4	3	7	5	0.5
Frederick	57	69	69	47	54	59	5.9
Garrett	5	14	18	6	7	10	1.0
Harford	43	54	68	36	36	47	4.7
Howard	49	35	52	33	33	40	4.0
Kent	5	3	2	1	2	3	0.3
Montgomery	93	97	104	96	94	97	9.6
Prince George's	138	156	136	121	107	132	13.1
Queen Anne's	6	10	8	12	8	9	0.9
St. Mary's	25	23	24	28	25	25	2.5
Somerset	1	2	6	4	3	3	0.3
Talbot	11	6	5	7	3	6	0.6
Washington	45	61	44	34	36	44	4.4
Wicomico	21	27	25	24	30	25	2.5
Worcester	24	31	19	21	30	25	2.5
Baltimore City	112	119	99	77	63	94	9.3
<b>Injury Crashes</b>	<b>1,048</b>	<b>1,126</b>	<b>1,028</b>	<b>943</b>	<b>897</b>	<b>1,008</b>	<b>100.0</b>

County	2015	2016	2017	2018	2019	AVG.	%
Allegany	1	2	0	0	0	1	0.9
Anne Arundel	2	9	6	8	9	7	9.7
Baltimore	7	5	14	9	12	9	13.4
Calvert	4	4	1	1	1	2	3.1
Caroline	1	1	0	0	0	0	0.6
Carroll	2	1	2	1	0	1	1.7
Cecil	1	5	8	0	4	4	5.1
Charles	4	8	3	4	3	4	6.3
Dorchester	0	0	2	0	1	1	0.9
Frederick	4	2	3	2	6	3	4.8
Garrett	1	0	0	1	1	1	0.9
Harford	3	3	2	1	5	3	4.0
Howard	4	1	2	1	1	2	2.6
Kent	0	0	0	0	0	0	0.0
Montgomery	8	4	4	4	5	5	7.1
Prince George's	13	13	18	12	11	13	19.0
Queen Anne's	0	0	3	0	0	1	0.9
St. Mary's	2	1	0	2	3	2	2.3
Somerset	0	0	2	0	0	0	0.6
Talbot	1	0	1	0	0	0	0.6
Washington	3	4	4	3	1	3	4.3
Wicomico	1	0	1	2	5	2	2.6
Worcester	2	1	0	1	2	1	1.7
Baltimore City	4	7	7	4	4	5	7.4
<b>Fatal Crashes</b>	<b>68</b>	<b>71</b>	<b>83</b>	<b>56</b>	<b>74</b>	<b>70</b>	<b>100.0</b>

**Motorcycle Involved**  
**Month**

Month	2015	2016	2017	2018	2019	AVG.	%
January	12	20	27	33	20	22	1.6
February	12	38	77	30	31	38	2.7
March	51	107	54	38	71	64	4.6
April	143	126	183	117	116	137	9.8
May	233	147	158	152	163	171	12.2
June	162	231	213	181	182	194	13.9
July	175	209	174	181	157	179	12.8
August	226	175	172	179	178	186	13.3
September	211	196	174	148	177	181	13.0
October	119	161	128	124	95	125	9.0
November	86	81	62	55	42	65	4.7
December	51	26	29	36	20	32	2.3
Unknown	0	0	0	0	0	0	0.0
<b>Total Crashes</b>	<b>1,481</b>	<b>1,517</b>	<b>1,451</b>	<b>1,274</b>	<b>1,252</b>	<b>1,395</b>	<b>100.0</b>

Month	2015	2016	2017	2018	2019	AVG.	%
January	6	9	15	24	10	13	1.3
February	7	27	55	26	20	27	2.7
March	40	73	35	27	56	46	4.6
April	102	96	127	83	79	97	9.7
May	179	101	116	111	118	125	12.4
June	118	180	152	133	130	143	14.1
July	131	159	132	140	113	135	13.4
August	170	139	125	142	121	139	13.8
September	142	150	124	107	136	132	13.1
October	75	124	89	88	71	89	8.9
November	51	55	40	41	31	44	4.3
December	27	13	18	21	12	18	1.8
Unknown	0	0	0	0	0	0	0.0
<b>Injury Crashes</b>	<b>1,048</b>	<b>1,126</b>	<b>1,028</b>	<b>943</b>	<b>897</b>	<b>1,008</b>	<b>100.0</b>

Month	2015	2016	2017	2018	2019	AVG.	%
January	0	2	1	2	3	2	2.3
February	1	2	4	0	3	2	2.8
March	1	7	4	0	2	3	4.0
April	7	5	13	5	4	7	9.7
May	9	5	7	11	8	8	11.4
June	6	10	13	7	9	9	12.8
July	7	14	10	6	8	9	12.8
August	9	10	15	9	19	12	17.6
September	15	5	10	4	8	8	11.9
October	6	5	4	9	6	6	8.5
November	5	5	1	1	1	3	3.7
December	2	1	1	2	3	2	2.6
Unknown	0	0	0	0	0	0	0.0
<b>Fatal Crashes</b>	<b>68</b>	<b>71</b>	<b>83</b>	<b>56</b>	<b>74</b>	<b>70</b>	<b>100.0</b>

MARYLAND DEPARTMENT OF TRANSPORTATION  
 Maryland Motor Vehicle Administration  
 Maryland Highway Safety Office

August 10, 2020

**Motorcycle Involved**  
**Day of Week**

Day of Week	2015	2016	2017	2018	2019	AVG.	%
Monday	180	150	151	135	115	146	10.5
Tuesday	149	162	169	131	138	150	10.7
Wednesday	156	210	181	163	129	168	12.0
Thursday	145	198	188	164	156	170	12.2
Friday	222	217	181	195	192	201	14.4
Saturday	293	261	280	261	270	273	19.6
Sunday	336	319	301	225	252	287	20.5
Unknown	0	0	0	0	0	0	0.0
<b>Total Crashes</b>	<b>1,481</b>	<b>1,517</b>	<b>1,451</b>	<b>1,274</b>	<b>1,252</b>	<b>1,395</b>	<b>100.0</b>

Day of Week	2015	2016	2017	2018	2019	AVG.	%
Monday	126	113	103	94	84	104	10.3
Tuesday	108	120	128	108	97	112	11.1
Wednesday	111	160	116	131	88	121	12.0
Thursday	98	132	124	120	117	118	11.7
Friday	145	159	128	128	147	141	14.0
Saturday	203	200	195	199	188	197	19.5
Sunday	257	242	234	163	176	214	21.3
Unknown	0	0	0	0	0	0	0.0
<b>Injury Crashes</b>	<b>1,048</b>	<b>1,126</b>	<b>1,028</b>	<b>943</b>	<b>897</b>	<b>1,008</b>	<b>100.0</b>

Day of Week	2015	2016	2017	2018	2019	AVG.	%
Monday	7	3	5	8	9	6	9.1
Tuesday	4	3	8	2	12	6	8.2
Wednesday	9	10	18	6	5	10	13.6
Thursday	11	15	15	6	2	10	13.9
Friday	8	8	8	8	10	8	11.9
Saturday	16	17	15	9	19	15	21.6
Sunday	13	15	14	17	17	15	21.6
Unknown	0	0	0	0	0	0	0.0
<b>Fatal Crashes</b>	<b>68</b>	<b>71</b>	<b>83</b>	<b>56</b>	<b>74</b>	<b>70</b>	<b>100.0</b>

**Motorcycle Involved**  
**Time of Day**

Time of Day	2015	2016	2017	2018	2019	AVG.	%
12:00 Midnight	37	23	31	30	32	31	2.2
1:00	24	17	22	23	13	20	1.4
2:00	22	15	20	15	14	17	1.2
3:00	12	12	8	11	13	11	0.8
4:00	10	6	6	8	7	7	0.5
5:00	10	11	17	11	14	13	0.9
6:00	19	32	26	30	16	25	1.8
7:00	34	29	38	24	27	30	2.2
8:00	36	38	34	30	37	35	2.5
9:00	40	41	36	37	35	38	2.7
10:00	38	40	39	37	32	37	2.7
11:00	53	67	55	54	72	60	4.3
12:00 Noon	59	83	80	73	75	74	5.3
1:00	86	107	96	71	85	89	6.4
2:00	103	106	103	99	82	99	7.1
3:00	134	111	113	109	95	112	8.1
4:00	134	126	134	114	104	122	8.8
5:00	141	142	117	113	114	125	9.0
6:00	120	135	103	99	102	112	8.0
7:00	115	109	100	88	74	97	7.0
8:00	77	110	106	64	65	84	6.1
9:00	78	65	61	68	65	67	4.8
10:00	58	47	59	31	53	50	3.6
11:00	41	45	47	35	26	39	2.8
Unknown	0	0	0	0	0	0	0.0
<b>Total Crashes</b>	<b>1,481</b>	<b>1,517</b>	<b>1,451</b>	<b>1,274</b>	<b>1,252</b>	<b>1,395</b>	<b>100.0</b>

Time of Day	2015	2016	2017	2018	2019	AVG.	%
12:00 Midnight	24	18	21	22	21	21	2.1
1:00	15	16	16	12	7	13	1.3
2:00	13	11	12	11	8	11	1.1
3:00	6	10	4	8	9	7	0.7
4:00	4	3	5	7	3	4	0.4
5:00	8	6	10	7	9	8	0.8
6:00	13	23	19	20	12	17	1.7
7:00	19	21	26	18	17	20	2.0
8:00	21	24	23	22	30	24	2.4
9:00	29	30	27	28	23	27	2.7
10:00	29	32	32	29	28	30	3.0
11:00	38	52	38	40	62	46	4.6
12:00 Noon	42	58	59	62	57	56	5.5
1:00	64	81	76	48	60	66	6.5
2:00	74	82	75	81	58	74	7.3
3:00	101	83	85	76	74	84	8.3
4:00	98	100	91	85	79	91	9.0
5:00	104	100	83	78	79	89	8.8
6:00	86	99	73	76	70	81	8.0
7:00	86	84	67	69	47	71	7.0
8:00	49	83	72	47	49	60	6.0
9:00	58	50	39	50	44	48	4.8
10:00	42	32	45	21	35	35	3.5
11:00	25	28	30	26	16	25	2.5
Unknown	0	0	0	0	0	0	0.0
<b>Injury Crashes</b>	<b>1,048</b>	<b>1,126</b>	<b>1,028</b>	<b>943</b>	<b>897</b>	<b>1,008</b>	<b>100.0</b>

Time of Day	2015	2016	2017	2018	2019	AVG.	%
12:00 Midnight	3	2	2	3	2	2	3.4
1:00	0	0	0	2	1	1	0.9
2:00	4	1	2	0	1	2	2.3
3:00	0	0	1	1	1	1	0.9
4:00	4	1	0	0	0	1	1.4
5:00	1	0	0	0	3	1	1.1
6:00	1	2	0	0	1	1	1.1
7:00	0	3	3	0	2	2	2.3
8:00	1	1	0	1	0	1	0.9
9:00	2	3	1	1	0	1	2.0
10:00	1	2	2	2	0	1	2.0
11:00	4	1	2	2	2	2	3.1
12:00 Noon	4	3	4	3	3	3	4.8
1:00	1	6	4	5	7	5	6.5
2:00	3	4	4	4	3	4	5.1
3:00	5	5	5	6	3	5	6.8
4:00	5	4	8	0	5	4	6.3
5:00	5	9	6	10	5	7	9.9
6:00	4	4	5	8	7	6	8.0
7:00	6	1	11	2	9	6	8.2
8:00	5	6	7	0	3	4	6.0
9:00	5	2	8	3	4	4	6.3
10:00	1	5	5	1	7	4	5.4
11:00	3	6	3	2	5	4	5.4
Unknown	0	0	0	0	0	0	0.0
<b>Fatal Crashes</b>	<b>68</b>	<b>71</b>	<b>83</b>	<b>56</b>	<b>74</b>	<b>70</b>	<b>100.0</b>

**Motorcycle Involved  
 Driver Age**

Driver Age	2015	2016	2017	2018	2019	AVG.	%
15 and Under	6	3	5	5	9	6	0.4
16	4	1	2	4	3	3	0.2
17	9	7	8	10	4	8	0.5
18	14	17	17	14	15	15	1.1
19	27	16	20	20	25	22	1.5
20	28	33	35	28	20	29	2.0
21 - 24	163	169	170	137	135	155	10.8
25 - 29	184	223	211	164	160	188	13.1
30 - 34	161	198	149	137	128	155	10.7
35 - 39	133	130	126	106	121	123	8.6
40 - 44	110	125	118	74	87	103	7.1
45 - 49	127	118	138	111	104	120	8.3
50 - 54	166	140	137	116	145	141	9.8
55 - 59	118	102	111	124	116	114	7.9
60 - 64	66	77	75	86	70	75	5.2
65 - 69	48	59	51	42	40	48	3.3
70 - 79	21	31	24	32	27	27	1.9
80 +	7	5	5	1	4	4	0.3
Unknown	136	110	93	95	90	105	7.3
<b>Total Drivers</b>	<b>1,528</b>	<b>1,564</b>	<b>1,495</b>	<b>1,306</b>	<b>1,303</b>	<b>1,439</b>	<b>100.0</b>

Driver Age	2015	2016	2017	2018	2019	AVG.	%
15 and Under	6	3	4	4	8	5	0.5
16	3	1	1	4	3	2	0.2
17	7	5	5	7	3	5	0.5
18	10	12	10	8	13	11	1.1
19	16	13	16	15	16	15	1.5
20	23	23	26	23	18	23	2.3
21 - 24	120	129	121	103	92	113	11.3
25 - 29	131	173	151	115	116	137	13.7
30 - 34	129	143	99	100	87	112	11.2
35 - 39	94	106	91	84	88	93	9.3
40 - 44	92	96	93	54	65	80	8.0
45 - 49	98	94	103	87	78	92	9.2
50 - 54	119	105	105	93	107	106	10.6
55 - 59	93	76	80	90	85	85	8.5
60 - 64	51	55	57	74	54	58	5.8
65 - 69	33	42	37	36	33	36	3.6
70 - 79	16	26	14	22	19	19	1.9
80 +	4	3	2	1	2	2	0.2
Unknown	3	8	7	9	3	6	0.6
<b>Injured Drivers</b>	<b>1,048</b>	<b>1,113</b>	<b>1,022</b>	<b>929</b>	<b>890</b>	<b>1,000</b>	<b>100.0</b>

Driver Age	2015	2016	2017	2018	2019	AVG.	%
15 and Under	0	0	0	0	0	0	0.0
16	0	0	0	0	0	0	0.0
17	0	0	0	1	1	0	0.6
18	0	1	2	2	1	1	1.8
19	1	2	0	0	2	1	1.5
20	1	1	2	2	0	1	1.8
21 - 24	8	15	8	8	13	10	15.3
25 - 29	10	8	12	8	17	11	16.2
30 - 34	5	8	10	6	8	7	10.9
35 - 39	9	3	5	1	5	5	6.8
40 - 44	4	6	7	3	3	5	6.8
45 - 49	6	5	4	4	5	5	7.1
50 - 54	5	5	9	7	6	6	9.4
55 - 59	6	4	8	8	5	6	9.1
60 - 64	5	4	5	1	1	3	4.7
65 - 69	6	3	3	0	3	3	4.4
70 - 79	1	2	4	3	1	2	3.2
80 +	0	0	0	0	0	0	0.0
Unknown	0	1	0	0	0	0	0.3
<b>Driver Fatalities</b>	<b>67</b>	<b>68</b>	<b>79</b>	<b>54</b>	<b>71</b>	<b>68</b>	<b>100.0</b>

Driver pages - motorcycle drivers only.

**Motorcycle Involved  
 Driver Gender**

Driver Gender	2015	2016	2017	2018	2019	AVG.	%
Male	1,298	1,361	1,304	1,136	1,131	1,246	86.6
Female	91	95	98	69	77	86	6.0
Unknown	139	108	93	101	95	107	7.4
<b>Total Drivers</b>	<b>1,528</b>	<b>1,564</b>	<b>1,495</b>	<b>1,306</b>	<b>1,303</b>	<b>1,439</b>	<b>100.0</b>

Driver Gender	2015	2016	2017	2018	2019	AVG.	%
Male	963	1,031	939	862	820	923	92.3
Female	78	71	75	56	62	68	6.8
Unknown	7	11	8	11	8	9	0.9
<b>Driver Injuries</b>	<b>1,048</b>	<b>1,113</b>	<b>1,022</b>	<b>929</b>	<b>890</b>	<b>1,000</b>	<b>100.0</b>

Driver Gender	2015	2016	2017	2018	2019	AVG.	%
Male	67	64	77	52	70	66	97.3
Female	0	4	2	2	1	2	2.7
Unknown	0	0	0	0	0	0	0.0
<b>Driver Fatalities</b>	<b>67</b>	<b>68</b>	<b>79</b>	<b>54</b>	<b>71</b>	<b>68</b>	<b>100.0</b>

Driver pages - motorcycle drivers only.



**Motorcycle Involved  
 Driver Safety Equipment Use**

Safety Equipment	2015	2016	2017	2018	2019	AVG.	%
Not Applicable	126	141	123	123	123	127	8.8
None	160	150	146	125	118	140	9.7
Lap belt only	1	0	2	1	2	1	0.1
Shoulder belt only	0	1	0	1	1	1	0.0
Shoulder/Lap belt(s)	26	30	21	21	25	25	1.7
Child/Youth restraint	0	0	0	0	0	0	0.0
Child restraint forward	0	0	0	0	0	0	0.0
Child restraint rear	0	0	0	0	0	0	0.0
Booster seat	0	0	0	0	0	0	0.0
Child restraint unknown	0	0	0	0	0	0	0.0
Mc/Bike helmet	584	683	653	552	561	607	42.1
Mc/bike shield only	21	15	9	6	10	12	0.8
Mc/bike helmet & shield	498	455	440	379	376	430	29.8
Protective pads	0	3	2	2	2	2	0.1
Reflective clothing	1	0	0	0	0	0	0.0
Lighting	0	0	0	0	0	0	0.0
Air bag only	0	0	0	0	0	0	0.0
Air bag and belts	0	0	0	0	0	0	0.0
Other	3	2	3	5	2	3	0.2
Unknown	108	84	96	91	83	92	6.4
<b>Total Drivers</b>	<b>1,528</b>	<b>1,564</b>	<b>1,495</b>	<b>1,306</b>	<b>1,303</b>	<b>1,439</b>	<b>100.0</b>

Safety Equipment	2015	2016	2017	2018	2019	AVG.	%
Not Applicable	84	91	81	81	80	83	8.3
None	113	114	99	93	87	101	10.1
Lap belt only	1	0	2	1	1	1	0.1
Shoulder belt only	0	0	0	0	1	0	0.0
Shoulder/Lap belt(s)	15	18	8	7	9	11	1.1
Child/Youth restraint	0	0	0	0	0	0	0.0
Child restraint forward	0	0	0	0	0	0	0.0
Child restraint rear	0	0	0	0	0	0	0.0
Booster seat	0	0	0	0	0	0	0.0
Child restraint unknown	0	0	0	0	0	0	0.0
Mc/Bike helmet	438	512	470	425	417	452	45.2
Mc/bike shield only	11	9	5	3	8	7	0.7
Mc/bike helmet & shield	374	353	337	297	268	326	32.6
Protective pads	0	3	2	1	1	1	0.1
Reflective clothing	0	0	0	0	0	0	0.0
Lighting	0	0	0	0	0	0	0.0
Air bag only	0	0	0	0	0	0	0.0
Air bag and belts	0	0	0	0	0	0	0.0
Other	2	1	1	4	2	2	0.2
Unknown	10	12	17	17	16	14	1.4
<b>Driver Injuries</b>	<b>1,048</b>	<b>1,113</b>	<b>1,022</b>	<b>929</b>	<b>890</b>	<b>1,000</b>	<b>100.0</b>

Safety Equipment	2015	2016	2017	2018	2019	AVG.	%
Not Applicable	0	3	3	2	2	2	2.9
None	3	4	8	4	5	5	7.1
Lap belt only	0	0	0	0	0	0	0.0
Shoulder belt only	0	0	0	0	0	0	0.0
Shoulder/Lap belt(s)	0	0	0	0	0	0	0.0
Child/Youth restraint	0	0	0	0	0	0	0.0
Child restraint forward	0	0	0	0	0	0	0.0
Child restraint rear	0	0	0	0	0	0	0.0
Booster seat	0	0	0	0	0	0	0.0
Child restraint unk.	0	0	0	0	0	0	0.0
Mc/Bike helmet	28	37	44	28	43	36	53.1
Mc/bike shield only	4	0	2	1	0	1	2.1
Mc/bike helmet & shield	31	23	19	18	21	22	33.0
Protective pads	0	0	0	0	0	0	0.0
Reflective clothing	0	0	0	0	0	0	0.0
Lighting	0	0	0	0	0	0	0.0
Air bag only	0	0	0	0	0	0	0.0
Air bag and belts	0	0	0	0	0	0	0.0
Other	0	0	1	0	0	0	0.3
Unknown	1	1	2	1	0	1	1.5
<b>Driver Fatalities</b>	<b>67</b>	<b>68</b>	<b>79</b>	<b>54</b>	<b>71</b>	<b>68</b>	<b>100.0</b>

Driver pages - motorcycle drivers only.

Note: None & Air Bag are counted as no safety equipment in use.

**Motorcycle Involved**  
**Passenger Age**

Passenger Age	2015	2016	2017	2018	2019	AVG.	%
Under 5	2	0	1	1	0	1	0.8
5 - 9	2	2	0	3	1	2	1.6
10 - 11	0	1	1	1	5	2	1.6
12 - 13	2	1	0	1	0	1	0.8
14 - 15	1	2	0	1	2	1	1.2
16 - 17	1	1	1	2	3	2	1.6
18 - 19	7	2	2	3	5	4	3.9
20 - 24	8	7	9	9	12	9	9.3
25 - 29	9	10	10	10	12	10	10.5
30 - 34	8	10	4	7	10	8	8.0
35 - 39	4	6	5	7	3	5	5.1
40 - 44	11	11	13	2	5	8	8.6
45 - 49	8	10	14	12	10	11	11.1
50 - 54	20	9	15	9	16	14	14.2
55 - 59	11	15	10	12	12	12	12.3
60 - 64	8	2	6	5	4	5	5.1
65 - 69	2	3	3	0	6	3	2.9
70 - 79	0	1	0	0	0	0	0.2
80 +	1	0	1	1	1	1	0.8
Unknown	0	0	0	0	0	0	0.0
<b>Total Passengers</b>	<b>105</b>	<b>93</b>	<b>95</b>	<b>86</b>	<b>107</b>	<b>97</b>	<b>100.0</b>

Passenger Age	2015	2016	2017	2018	2019	AVG.	%
Under 5	1	0	0	0	0	0	0.3
5 - 9	2	2	0	1	1	1	1.6
10 - 11	0	1	0	0	4	1	1.3
12 - 13	2	1	0	0	0	1	0.8
14 - 15	1	2	0	0	1	1	1.1
16 - 17	1	1	0	2	3	1	1.8
18 - 19	6	1	2	2	4	3	4.0
20 - 24	4	7	9	6	9	7	9.2
25 - 29	6	9	10	9	8	8	11.1
30 - 34	4	8	4	5	6	5	7.1
35 - 39	4	5	2	5	3	4	5.0
40 - 44	10	7	11	2	5	7	9.2
45 - 49	7	6	11	8	7	8	10.3
50 - 54	15	9	12	9	14	12	15.6
55 - 59	9	12	7	9	8	9	11.9
60 - 64	8	1	6	5	3	5	6.1
65 - 69	2	2	3	0	6	3	3.4
70 - 79	0	1	0	0	0	0	0.3
80 +	0	0	0	0	0	0	0.0
Unknown	0	0	0	0	0	0	0.0
<b>Injured Passengers</b>	<b>82</b>	<b>75</b>	<b>77</b>	<b>63</b>	<b>82</b>	<b>76</b>	<b>100.0</b>

Passenger Age	2015	2016	2017	2018	2019	AVG.	%
Under 5	0	0	0	0	0	0	0.0
5 - 9	0	0	0	0	0	0	0.0
10 - 11	0	0	0	0	0	0	0.0
12 - 13	0	0	0	0	0	0	0.0
14 - 15	0	0	0	0	0	0	0.0
16 - 17	0	0	0	0	0	0	0.0
18 - 19	0	0	0	0	0	0	0.0
20 - 24	1	0	0	0	1	0	11.8
25 - 29	1	1	0	0	1	1	17.6
30 - 34	1	1	0	1	1	1	23.5
35 - 39	0	0	0	1	0	0	5.9
40 - 44	0	0	1	0	0	0	5.9
45 - 49	0	1	1	1	0	1	17.6
50 - 54	0	0	0	0	0	0	0.0
55 - 59	0	0	1	0	1	0	11.8
60 - 64	0	1	0	0	0	0	5.9
65 - 69	0	0	0	0	0	0	0.0
70 - 79	0	0	0	0	0	0	0.0
80 +	0	0	0	0	0	0	0.0
Unknown	0	0	0	0	0	0	0.0
<b>Passenger Fatalities</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>100.0</b>

Passenger pages - motorcycle passengers only.

**Motorcycle Involved  
 Passenger Gender**

Passenger Gender	2015	2016	2017	2018	2019	AVG.	%
Male	14	12	8	17	10	12	12.6
Female	91	81	87	69	97	85	87.4
Unknown	0	0	0	0	0	0	0.0
<b>Total Passengers</b>	<b>105</b>	<b>93</b>	<b>95</b>	<b>86</b>	<b>107</b>	<b>97</b>	<b>100.0</b>

Passenger Gender	2015	2016	2017	2018	2019	AVG.	%
Male	9	10	4	10	6	8	10.3
Female	73	65	73	53	76	68	89.7
Unknown	0	0	0	0	0	0	0.0
<b>Passenger Injuries</b>	<b>82</b>	<b>75</b>	<b>77</b>	<b>63</b>	<b>82</b>	<b>76</b>	<b>100.0</b>

Passenger Gender	2015	2016	2017	2018	2019	AVG.	%
Male	1	0	0	0	0	0	5.9
Female	2	4	3	3	4	3	94.1
Unknown	0	0	0	0	0	0	0.0
<b>Passenger Fatalities</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>100.0</b>

Passenger pages - motorcycle passengers only.

**Motorcycle Involved  
 Passenger Safety Equipment Use**

Safety Equipment	2015	2016	2017	2018	2019	AVG.	%
Not Applicable	6	4	5	6	7	6	7.4
None	9	10	7	14	12	10	13.7
Lap belt only	0	0	0	0	0	0	0.0
Shoulder belt only	0	0	0	0	0	0	0.0
Shoulder/Lap belt(s)	3	2	1	2	0	2	2.1
Child/Youth restraint	0	0	0	0	0	0	0.0
Child restraint forward	0	0	0	0	0	0	0.0
Child restraint rear	0	0	0	0	0	0	0.0
Booster seat	1	0	0	0	0	0	0.3
Child restraint unk.	0	0	1	0	0	0	0.3
Mc/Bike helmet	50	50	44	42	53	48	63.1
Mc/bike shield only	1	1	2	1	3	2	2.1
Mc/bike helmet & shield	32	26	34	17	31	28	36.9
Protective pads	0	0	0	0	0	0	0.0
Reflective clothing	0	0	0	0	0	0	0.0
Lighting	0	0	0	0	0	0	0.0
Air bag only	0	0	0	0	0	0	0.0
Air bag and belts	0	0	0	0	0	0	0.0
Other	0	0	0	0	0	0	0.0
Unknown	3	0	1	4	1	2	2.4
<b>Total Passengers</b>	<b>105</b>	<b>93</b>	<b>95</b>	<b>86</b>	<b>0</b>	<b>76</b>	<b>100.0</b>

Safety Equipment	2015	2016	2017	2018	2019	AVG.	%
Not Applicable	5	4	3	4	2	4	4.7
None	8	7	5	11	9	8	10.6
Lap belt only	0	0	0	0	0	0	0.0
Shoulder belt only	0	0	0	0	0	0	0.0
Shoulder/Lap belt(s)	1	2	0	0	0	1	0.8
Child/Youth restraint	0	0	0	0	0	0	0.0
Child restraint forward	0	0	0	0	0	0	0.0
Child restraint rear	0	0	0	0	0	0	0.0
Booster seat	0	0	0	0	0	0	0.0
Child restraint unk.	0	0	1	0	0	0	0.3
Mc/Bike helmet	41	38	38	30	41	38	49.6
Mc/bike shield only	1	1	1	1	3	1	1.8
Mc/bike helmet & shield	25	23	28	14	26	23	30.6
Protective pads	0	0	0	0	0	0	0.0
Reflective clothing	0	0	0	0	0	0	0.0
Lighting	0	0	0	0	0	0	0.0
Air bag only	0	0	0	0	0	0	0.0
Air bag and belts	0	0	0	0	0	0	0.0
Other	0	0	0	0	0	0	0.0
Unknown	1	0	1	3	1	1	1.6
<b>Passenger Injuries</b>	<b>82</b>	<b>75</b>	<b>77</b>	<b>63</b>	<b>82</b>	<b>76</b>	<b>100.0</b>

Safety Equipment	2015	2016	2017	2018	2019	AVG.	%
Not Applicable	0	0	0	0	0	0	0.0
None	0	0	1	1	0	0	11.8
Lap belt only	0	0	0	0	0	0	0.0
Shoulder belt only	0	0	0	0	0	0	0.0
Shoulder/Lap belt(s)	0	0	0	0	0	0	0.0
Child/Youth restraint	0	0	0	0	0	0	0.0
Child restraint forward	0	0	0	0	0	0	0.0
Child restraint rear	0	0	0	0	0	0	0.0
Booster seat	0	0	0	0	0	0	0.0
Child restraint unk.	0	0	0	0	0	0	0.0
Mc/Bike helmet	2	4	1	2	1	2	58.8
Mc/bike shield only	0	0	0	0	0	0	0.0
Mc/bike helmet & shield	0	0	1	0	3	1	23.5
Protective pads	0	0	0	0	0	0	0.0
Reflective clothing	0	0	0	0	0	0	0.0
Lighting	0	0	0	0	0	0	0.0
Air bag only	0	0	0	0	0	0	0.0
Air bag and belts	0	0	0	0	0	0	0.0
Other	0	0	0	0	0	0	0.0
Unknown	1	0	0	0	0	0	5.9
<b>Passenger Fatalities</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>100.0</b>

Passenger pages - motorcycle passengers only.

Note: None & Air Bag are counted as no safety equipment in use.

**Motorcycle Involved  
 Pedestrian Age**

Ped. Age	2015	2016	2017	2018	2019	AVG.	%
Under 5	2	0	1	1	0	1	4.2
5 - 9	2	1	0	1	0	1	4.2
10 - 15	4	1	0	2	0	1	7.4
16 - 17	1	2	3	1	0	1	7.4
18 - 19	0	1	0	1	0	0	2.1
20 - 24	1	7	3	0	3	3	14.7
25 - 29	1	2	3	3	1	2	10.5
30 - 34	1	0	0	4	2	1	7.4
35 - 39	1	1	2	1	1	1	6.3
40 - 44	1	2	1	0	1	1	5.3
45 - 49	2	0	0	0	2	1	4.2
50 - 54	1	2	1	0	1	1	5.3
55 - 59	4	0	1	3	0	2	8.4
60 - 64	0	1	1	1	0	1	3.2
65 - 69	0	1	0	1	0	0	2.1
70 - 79	3	0	0	0	0	1	3.2
80 +	2	1	0	0	0	1	3.2
Unknown	1	0	0	0	0	0	1.1
<b>Total Peds.</b>	<b>27</b>	<b>22</b>	<b>16</b>	<b>19</b>	<b>11</b>	<b>19</b>	<b>100.0</b>

Ped. Age	2015	2016	2017	2018	2019	AVG.	%
Under 5	0	0	1	1	0	0	2.9
5 - 9	1	1	0	1	0	1	4.3
10 - 15	4	1	0	2	0	1	10.1
16 - 17	1	2	0	1	0	1	5.8
18 - 19	0	1	0	1	0	0	2.9
20 - 24	0	5	3	0	2	2	14.5
25 - 29	1	2	3	2	1	2	13.0
30 - 34	1	0	0	3	1	1	7.2
35 - 39	1	1	1	1	1	1	7.2
40 - 44	0	2	0	0	1	1	4.3
45 - 49	2	0	0	0	2	1	5.8
50 - 54	1	1	1	0	0	1	4.3
55 - 59	3	0	0	3	0	1	8.7
60 - 64	0	0	1	1	0	0	2.9
65 - 69	0	1	0	1	0	0	2.9
70 - 79	1	0	0	0	0	0	1.4
80 +	0	0	0	0	0	0	0.0
Unknown	1	0	0	0	0	0	1.4
<b>Injured Peds.</b>	<b>17</b>	<b>17</b>	<b>10</b>	<b>17</b>	<b>8</b>	<b>14</b>	<b>100.0</b>

Ped. Age	2015	2016	2017	2018	2019	AVG.	%
Under 5	0	0	0	0	0	0	0.0
5 - 9	1	0	0	0	0	0	12.5
10 - 15	0	0	0	0	0	0	0.0
16 - 17	0	0	1	0	0	0	12.5
18 - 19	0	0	0	0	0	0	0.0
20 - 24	0	1	0	0	0	0	12.5
25 - 29	0	0	0	1	0	0	12.5
30 - 34	0	0	0	0	0	0	0.0
35 - 39	0	0	0	0	0	0	0.0
40 - 44	0	0	1	0	0	0	12.5
45 - 49	0	0	0	0	0	0	0.0
50 - 54	0	0	0	0	1	0	12.5
55 - 59	0	0	1	0	0	0	12.5
60 - 64	0	0	0	0	0	0	0.0
65 - 69	0	0	0	0	0	0	0.0
70 - 79	0	0	0	0	0	0	0.0
80 +	0	1	0	0	0	0	12.5
Unknown	0	0	0	0	0	0	0.0
<b>Ped. Fatalities</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>100.0</b>

**Motorcycle Involved  
 Pedestrian Gender**

	2015	2016	2017	2018	2019	AVG.	%
<b>Ped. Gender</b>							
Male	18	12	10	12	6	12	61.1
Female	8	10	6	7	5	7	37.9
Unknown	1	0	0	0	0	0	1.1
<b>Total Peds.</b>	<b>27</b>	<b>22</b>	<b>16</b>	<b>19</b>	<b>11</b>	<b>19</b>	<b>100.0</b>

	2015	2016	2017	2018	2019	AVG.	%
<b>Ped. Gender</b>							
Male	10	9	6	10	6	8	59.4
Female	7	8	4	7	2	6	40.6
Unknown	0	0	0	0	0	0	0.0
<b>Ped. Injuries</b>	<b>17</b>	<b>17</b>	<b>10</b>	<b>17</b>	<b>8</b>	<b>14</b>	<b>100.0</b>

	2015	2016	2017	2018	2019	AVG.	%
<b>Ped. Gender</b>							
Male	1	0	2	1	0	1	50.0
Female	0	2	1	0	1	1	50.0
Unknown	0	0	0	0	0	0	0.0
<b>Ped. Fatalities</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>100.0</b>

**Motorcycle Involved  
 Pedestrian Location**

Ped. Location	2015	2016	2017	2018	2019	AVG.	%
Not App.	0	2	0	2	0	1	4.2
Shoulder	3	0	0	0	2	1	5.3
Curb	0	1	2	0	0	1	3.2
Sidewalk	4	4	0	0	0	2	8.4
Outside Right of Way	2	1	1	1	1	1	6.3
On Rd. at Crosswalk	0	1	1	0	4	1	6.3
On Rd. Not at Cross.	10	7	8	13	0	8	40.0
In School Bus Zone	0	0	0	0	0	0	0.0
In Bikeway	0	0	0	0	0	0	0.0
At Inter Marked Crosswalk	1	2	1	1	1	1	6.3
At Inter No Crosswalk	2	2	1	1	0	1	6.3
Driveway Access	0	0	0	0	0	0	0.0
Median	1	0	0	0	1	0	2.1
Island	0	0	0	0	0	0	0.0
Shared Use Path or Trail	0	0	0	0	0	0	0.0
Inside Building	0	0	0	0	0	0	0.0
Midblock Marked Crosswalk	0	0	0	0	0	0	0.0
Other/Unk.	4	2	2	1	2	2	11.6
<b>Total Peds.</b>	<b>27</b>	<b>22</b>	<b>16</b>	<b>19</b>	<b>11</b>	<b>19</b>	<b>100.0</b>

Ped. Location	2015	2016	2017	2018	2019	AVG.	%
Not App.	0	1	0	1	0	0	2.9
Shoulder	1	0	0	0	0	0	1.4
Curb	0	1	2	0	0	1	4.3
Sidewalk	3	3	0	0	0	1	8.7
Outside Right of Way	2	1	0	1	1	1	7.2
On Rd. at Crosswalk	0	0	1	0	3	1	5.8
On Rd. Not at Cross.	8	6	4	12	0	6	43.5
In School Bus Zone	0	0	0	0	0	0	0.0
In Bikeway	0	0	0	0	0	0	0.0
Inter Marked Crosswalk	1	2	0	1	1	1	7.2
At Inters No Crosswalk	1	1	1	1	0	1	5.8
Driveway Access	0	0	0	0	0	0	0.0
Median	1	0	0	0	1	0	2.9
Island	0	0	0	0	0	0	0.0
Shared Use Path or Trail	0	0	0	0	0	0	0.0
Inside Building	0	0	0	0	0	0	0.0
Midblock Marked Crosswalk	0	0	0	0	0	0	0.0
Other/Unk.	0	2	2	1	2	1	10.1
<b>Injured Peds.</b>	<b>17</b>	<b>17</b>	<b>10</b>	<b>17</b>	<b>8</b>	<b>14</b>	<b>100.0</b>

Ped. Location	2015	2016	2017	2018	2019	AVG.	%
Not App.	0	0	0	0	0	0	0.0
Shoulder	0	0	0	0	0	0	0.0
Curb	0	0	0	0	0	0	0.0
Sidewalk	1	0	0	0	0	0	12.5
Outside Right of Way	0	0	1	0	0	0	12.5
On Rd. at Crosswalk	0	1	0	0	1	0	25.0
On Rd. Not at Cross.	0	0	1	1	0	0	25.0
In School Bus Zone	0	0	0	0	0	0	0.0
In Bikeway	0	0	0	0	0	0	0.0
Inters Marked Crosswalk	0	0	1	0	0	0	12.5
At Inters No Crosswalk	0	1	0	0	0	0	12.5
Driveway Access	0	0	0	0	0	0	0.0
Median	0	0	0	0	0	0	0.0
Island	0	0	0	0	0	0	0.0
Shared Use Path or Trail	0	0	0	0	0	0	0.0
Inside Building	0	0	0	0	0	0	0.0
Midblock Marked Crosswalk	0	0	0	0	0	0	0.0
Other/Unk.	0	0	0	0	0	0	0.0
<b>Ped. Fatalities</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>100.0</b>

### Motorcycle Involved Pedestrian Movement

Ped. Movement	2015	2016	2017	2018	2019	AVG.	%
Cross. at Intersection	4	3	4	3	4	4	18.9
Cross. Not at Inter.	5	7	7	5	1	5	26.3
Walk/Ride with Traff.	3	4	2	3	0	2	12.6
Walk/Ride against Tra.	1	0	0	0	0	0	1.1
Playing	0	0	0	1	0	0	1.1
Standing	6	1	0	3	3	3	13.7
Getting On/Off Veh.	1	0	0	0	0	0	1.1
Push/Work on Veh.	2	0	0	0	1	1	3.2
Other Working	0	2	0	0	0	0	2.1
Hitchhiking	0	0	0	0	0	0	0.0
On / Off School Bus	0	0	0	0	0	0	0.0
Walking to from school	0	0	0	0	0	0	0.0
Walking cycling on sidewalk	0	2	0	0	0	0	2.1
Other / Unknown	5	3	3	4	2	3	17.9
<b>Total Pedestrians</b>	<b>27</b>	<b>22</b>	<b>16</b>	<b>19</b>	<b>11</b>	<b>19</b>	<b>100.0</b>

Ped. Movement	2015	2016	2017	2018	2019	AVG.	%
Cross. at Intersection	3	1	2	3	3	2	17.4
Cross. Not at Inter.	4	7	5	5	1	4	31.9
Walk/Ride with Traff.	3	2	1	2	0	2	11.6
Walk/Ride against Tra.	1	0	0	0	0	0	1.4
Playing	0	0	0	1	0	0	1.4
Standing	4	1	0	3	1	2	13.0
Getting On/Off Veh.	1	0	0	0	0	0	1.4
Push/Work on Veh.	0	0	0	0	1	0	1.4
Other Working	0	2	0	0	0	0	2.9
Hitchhiking	0	0	0	0	0	0	0.0
On / Off School Bus	0	0	0	0	0	0	0.0
Walking to from school	0	0	0	0	0	0	0.0
Walking cycling on sidewalk	0	2	0	0	0	0	2.9
Other / Unknown	1	2	2	3	2	2	14.5
<b>Injured Peds.</b>	<b>17</b>	<b>17</b>	<b>10</b>	<b>17</b>	<b>8</b>	<b>14</b>	<b>100.0</b>

Ped. Movement	2015	2016	2017	2018	2019	AVG.	%
Cross. at Intersection	0	2	2	0	1	1	62.5
Cross. Not at Inter.	0	0	0	0	0	0	0.0
Walk/Ride with Traff.	0	0	0	1	0	0	12.5
Walk/Ride against Tra.	0	0	0	0	0	0	0.0
Playing	0	0	0	0	0	0	0.0
Standing	1	0	0	0	0	0	12.5
Getting On/Off Veh.	0	0	0	0	0	0	0.0
Push/Work on Veh.	0	0	0	0	0	0	0.0
Other Working	0	0	0	0	0	0	0.0
Hitchhiking	0	0	0	0	0	0	0.0
On / Off School Bus	0	0	0	0	0	0	0.0
Walking to from school	0	0	0	0	0	0	0.0
Walking cycling on sidewalk	0	0	0	0	0	0	0.0
Other / Unknown	0	0	1	0	0	0	12.5
<b>Ped. Fatalities</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>100.0</b>