

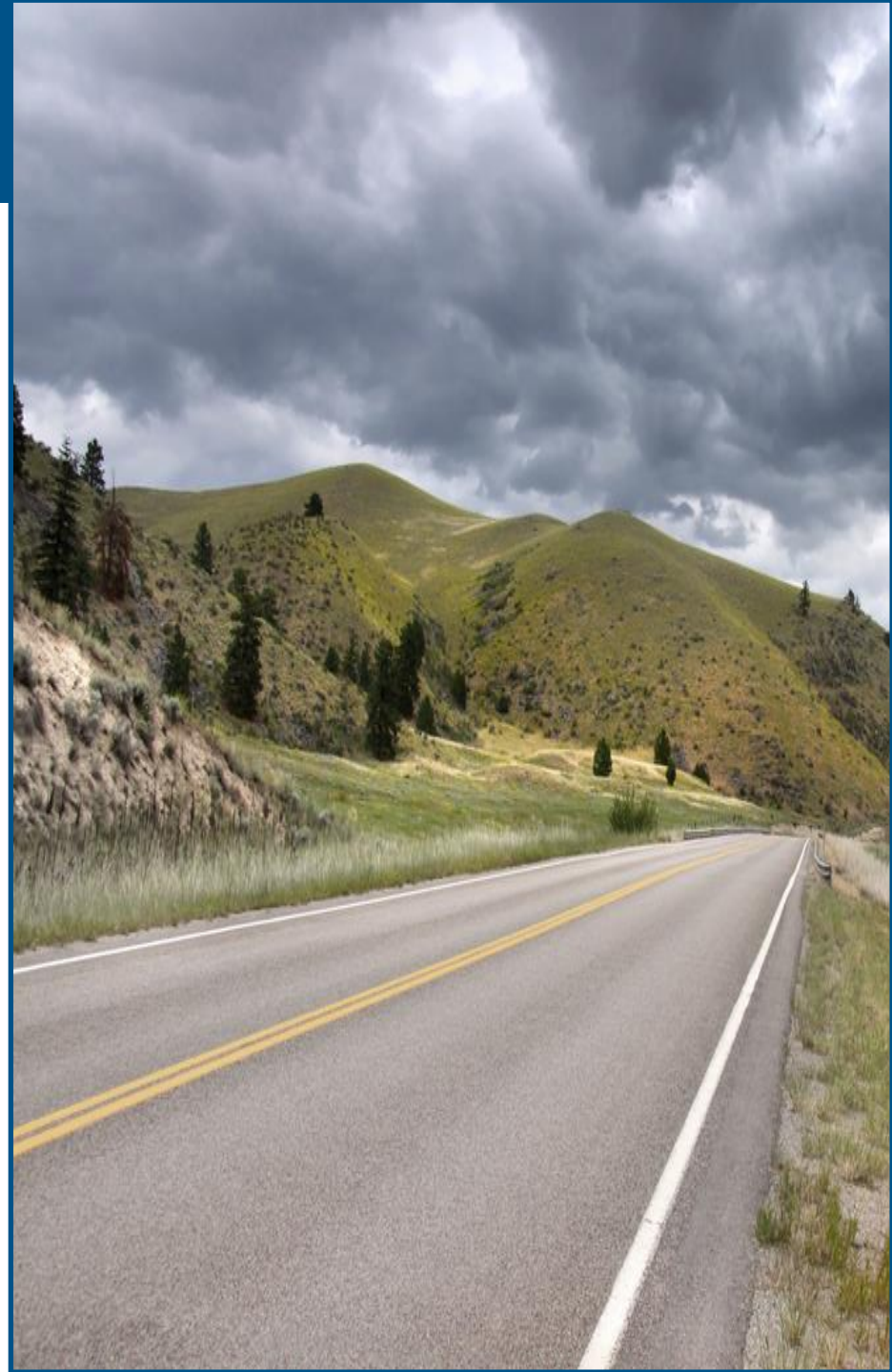


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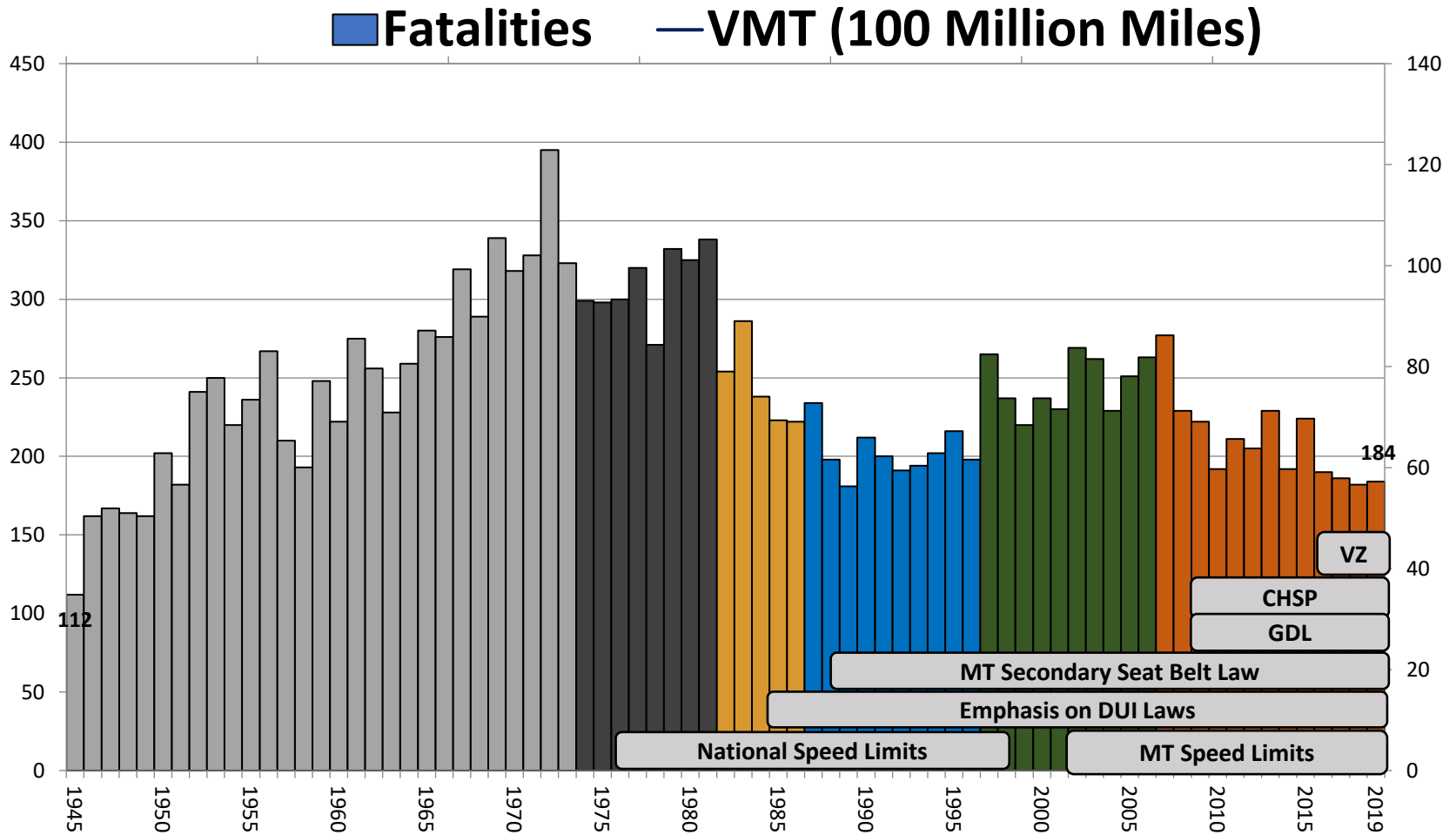
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2019 Montana Crash Data Summary

Data Source: MDT Highway Traffic Safety,
September 2020



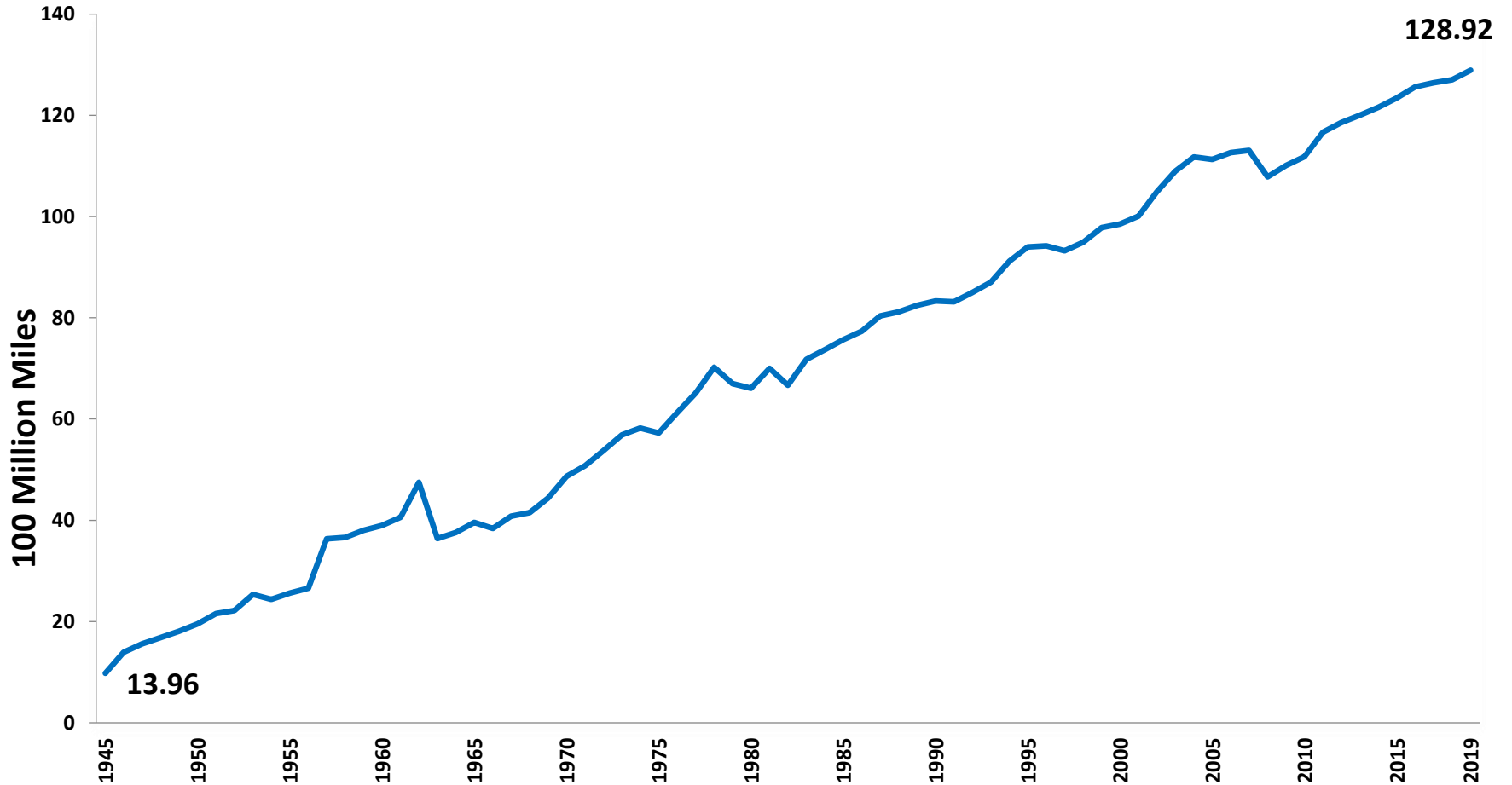
Montana VMT Crash Trends 1946-2019



Preliminary 2019 Crash Data, September 2020



Montana's Vehicle Miles Traveled (VMT) 1945-2019

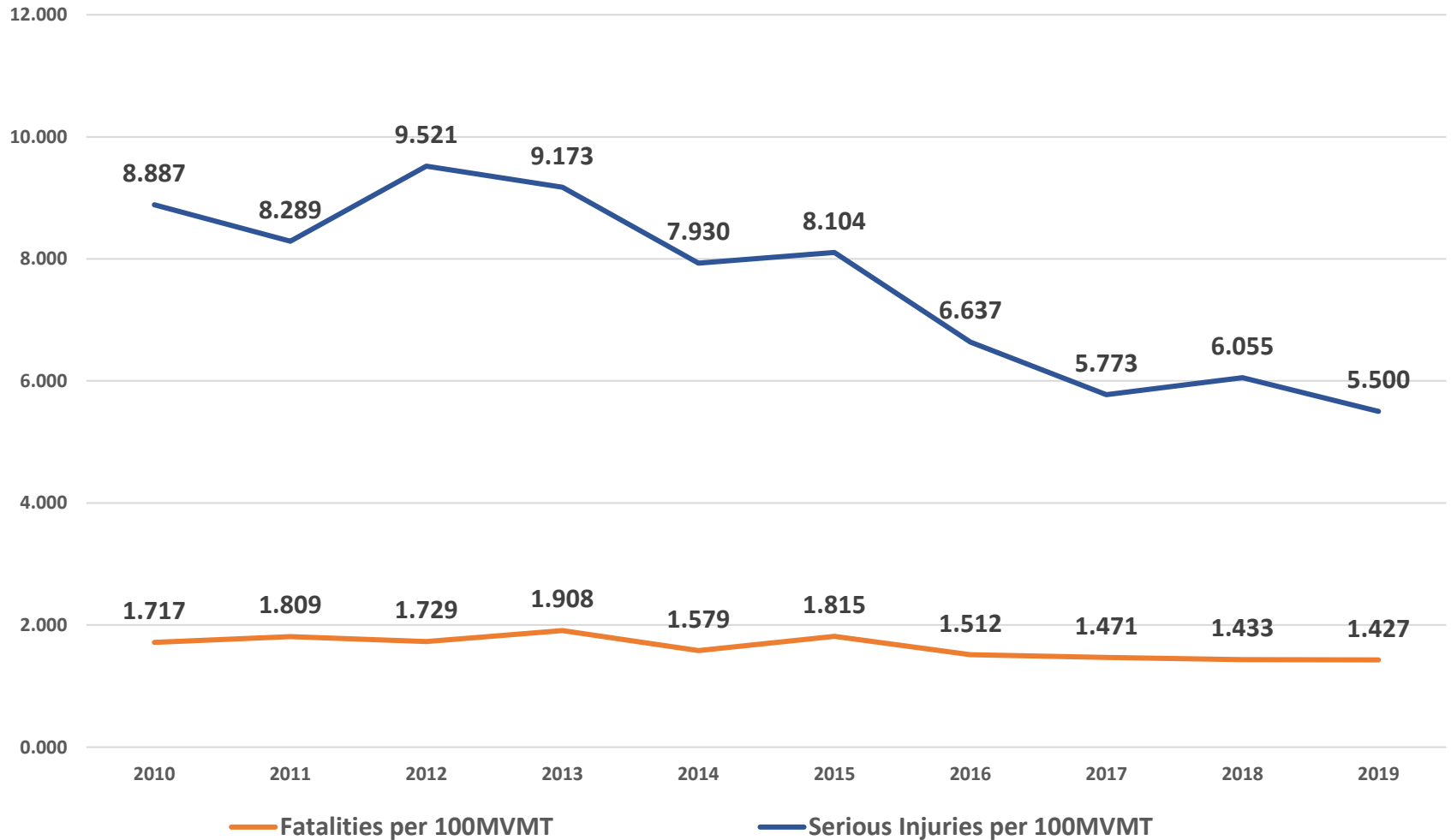


Source: MDT Traffic Data's Annual Vehicle Miles Traveled Report & 2019 Preliminary Crash Data



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Fatal & Serious Injury Rates, 2010-2019



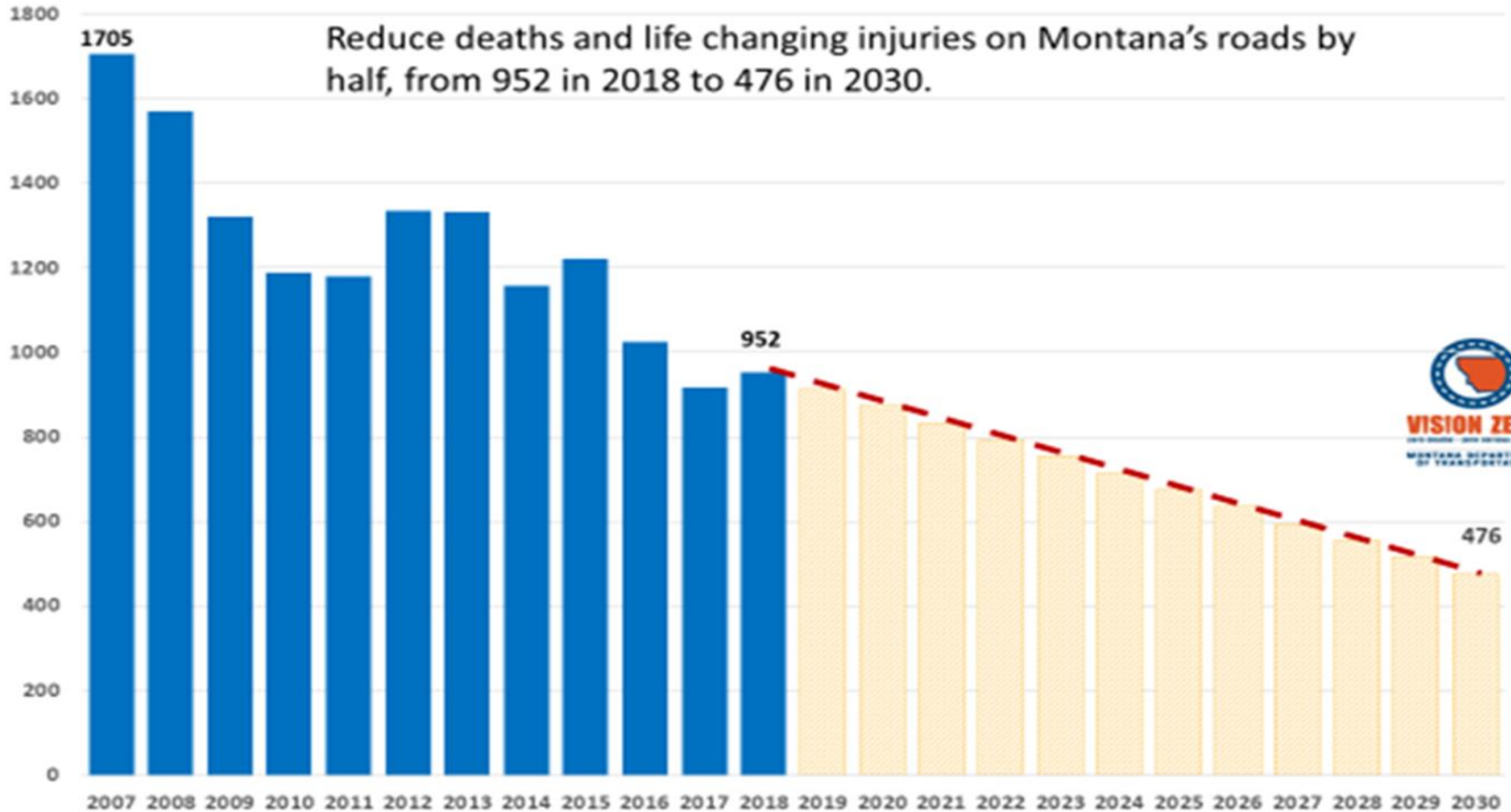
Source: MDT Traffic Data's Annual Vehicle Miles Traveled Report & 2019 Preliminary Crash Data
100MVMT (100 million vehicle miles traveled)



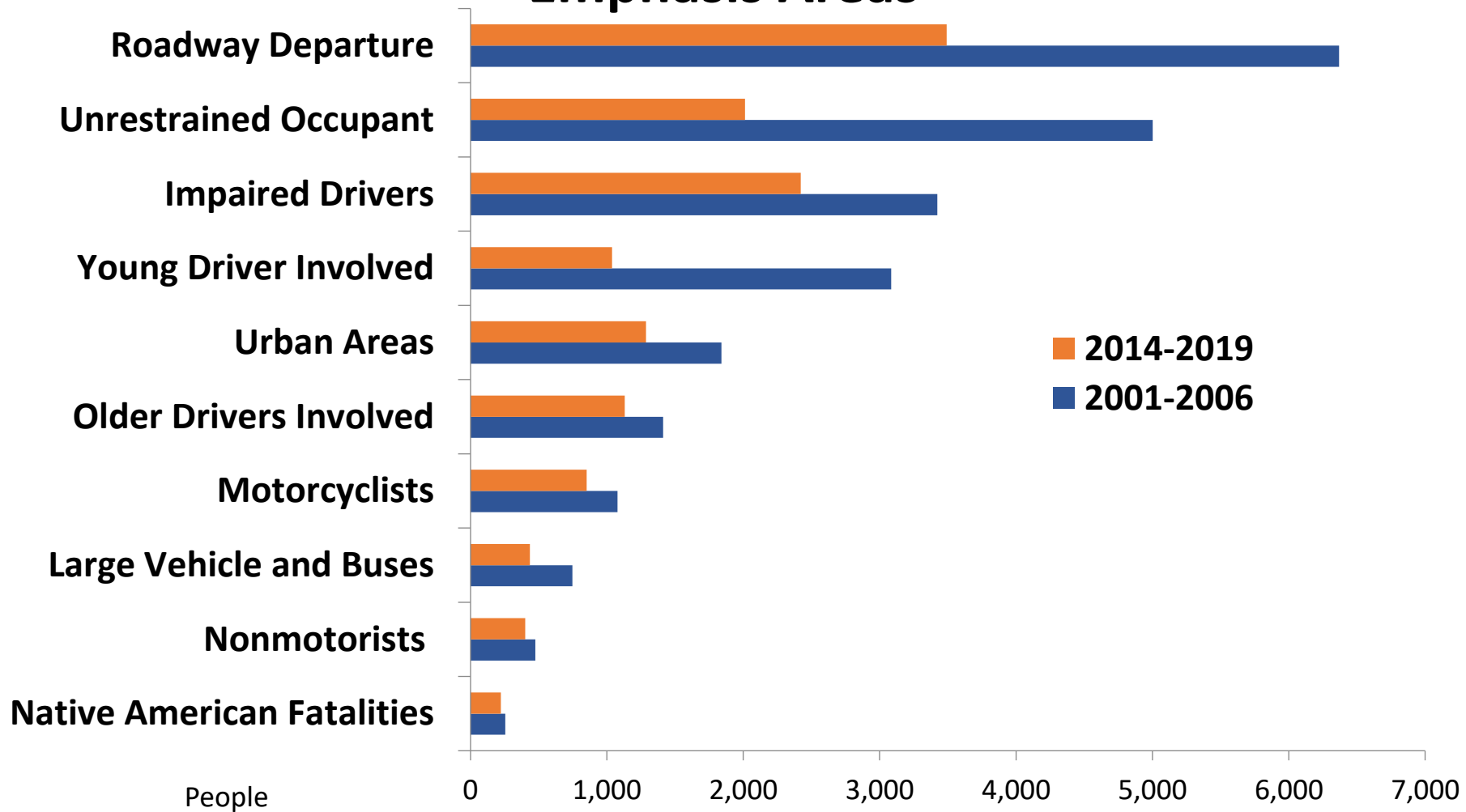
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CHSP Interim Goal

Total Deaths and Life Changing Injuries



Fatal & Serious Injuries Associated with Key Emphasis Areas



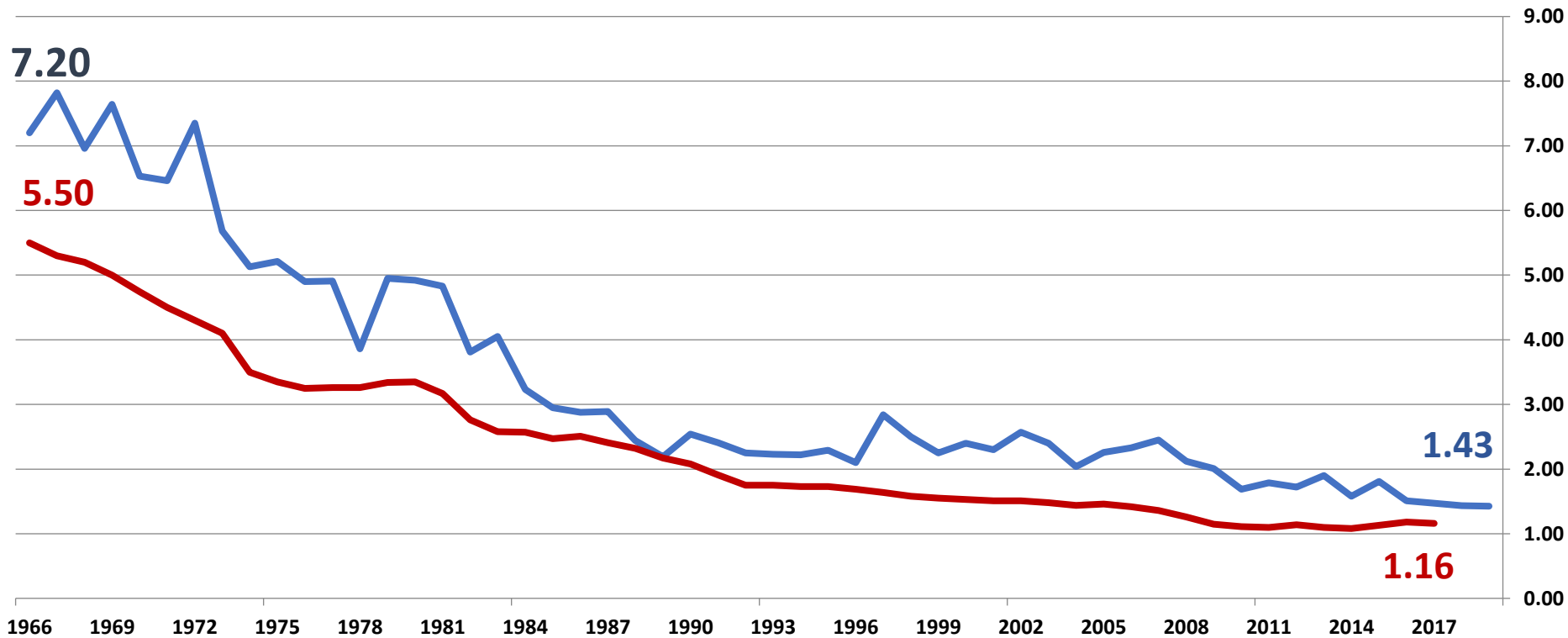
Preliminary 2019 Crash Data, September 2020



Fatality Rates, 1966-2019

—Montana

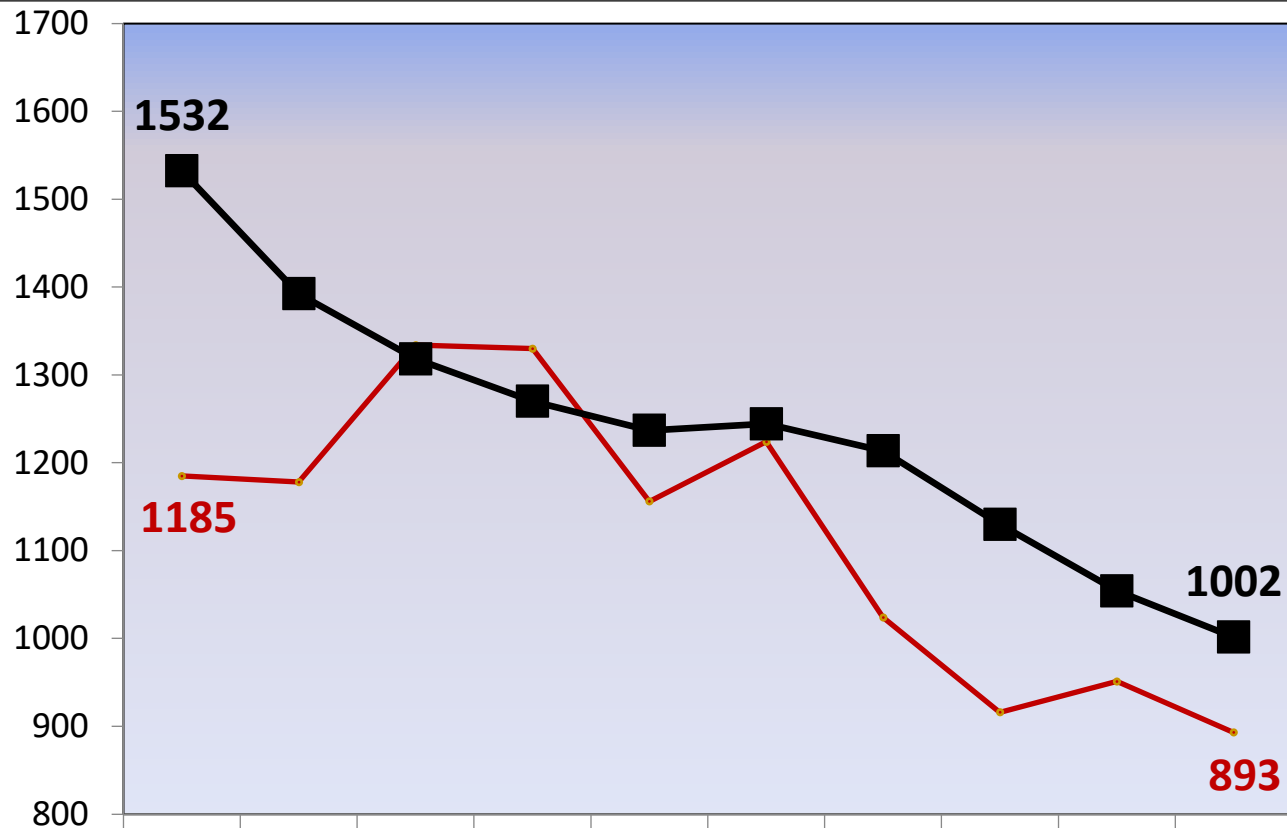
—USA



Source: Based on 2019 Preliminary Crash Data



Total Fatal & Serious Injuries, 2010-2019



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
All Crash - Fatalities & SI	1185	1178	1334	1330	1156	1224	1024	916	951	893
5 Year Average	1532	1392	1318	1270	1237	1244	1214	1130	1054	1002
Fatalities	191	211	205	229	192	224	190	186	182	184
Serious Injuries	994	967	1129	1101	964	1000	834	729	769	709

Preliminary 2019 Crash Data, September 2020



3-Year Severe Injury Trend by Crash Factors, 2010-2019

	2017	2018	2019
Fatalities	186	182	184
Serious Injuries	730	769	709
Severe Injuries	916	951	893
Roadway Departure Related Crash (54%)	527	500	471
Impaired Driver Involved (41%)	384	376	361
Unrestrained Occupant (32%)	305	312	270
Intersection Crash (21%)	162	234	179
Male Driver Involved (76%)	686	716	706
Female Driver Involved (41%)	389	398	333
Older Driver Involved (20%)	175	166	201
Young Driver Involved (17%)	147	166	146
Motorcyclist (14%)	122	139	116
Non-motorized Involved (7%)	64	76	56

Preliminary 2019 Crash Data, September 2020



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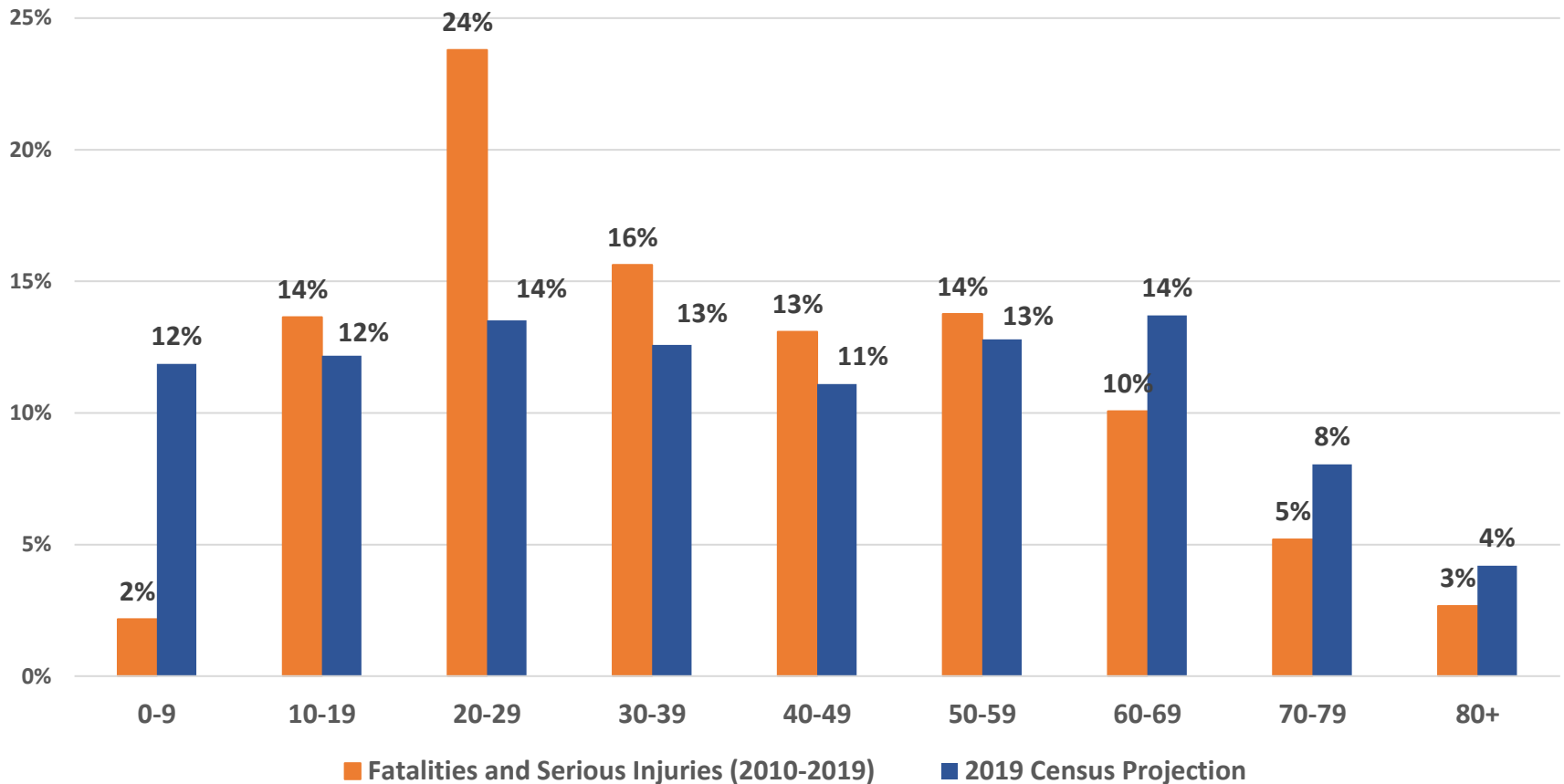
3-Year Severe Injury Trend by Crash Factors, 2010-2019

	2017	2018	2019
Fatalities	186	182	184
Serious Injuries	730	769	709
Severe Injuries	916	951	893
Rural Crash (77%)	705	706	711
Friday, Saturday, Sunday (48%)	441	449	440
June, July, August, and September (47%)	412	453	444
Single Vehicle (59%)	550	556	522
Shoulder Width < 4 Feet (38%)	329	361	345
Nighttime (31%)	288	301	278
Careless/Inattentive/Distracted Driver (36%)	319	328	336
Low Volume Roadway (AADT < 750) (36%)	399	298	301
Speed as a Factor (21%)	204	180	192
Large Vehicle (7%)	48	68	82

Preliminary 2019 Crash Data, September 2020



Motor Vehicle Related Fatalities & Serious Injuries By Age 2010-2019

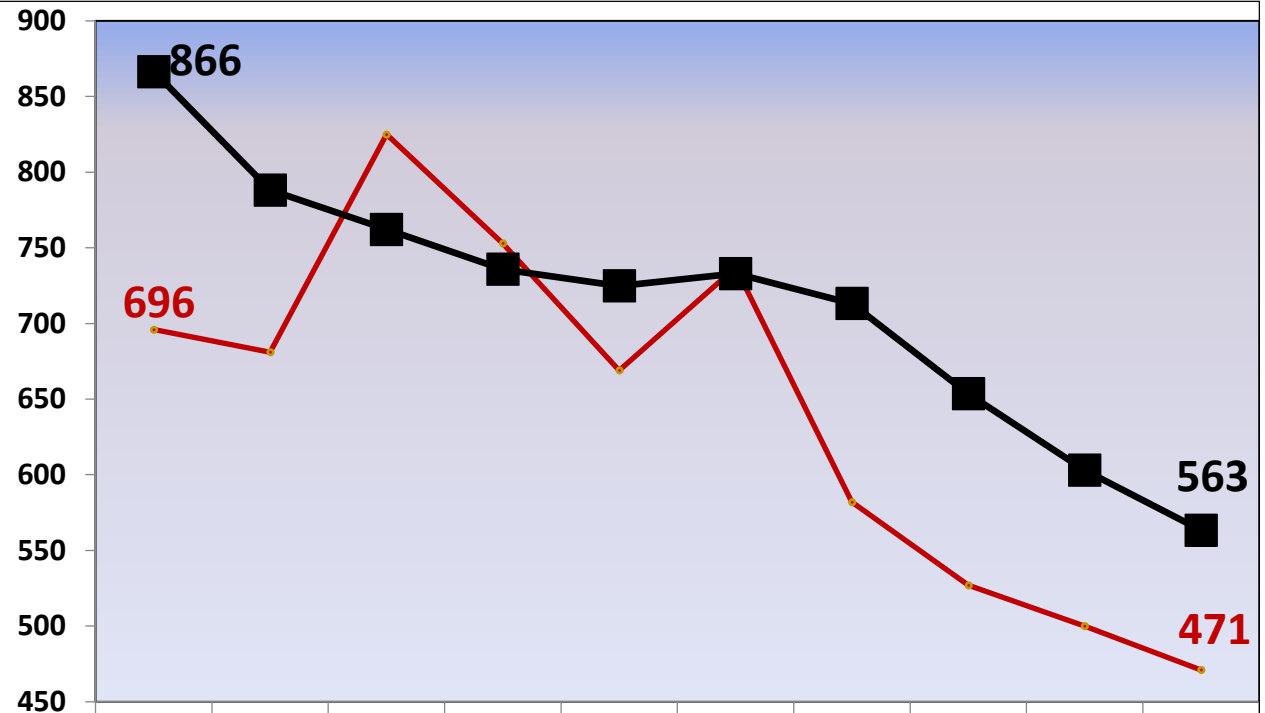


Over representation of ages 10-59 involved in severe injury crashes with the predominate age group being those 20-29 years of age.

Sources: MDT Highway Traffic Safety, September 2020,
U.S. Census Bureau September 2020



Roadway Departure Fatalities & Serious Injuries, 2010-2019



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Roadway Departure Crash - Fatalities & SI	696	681	825	753	669	737	582	527	500	471
5 Year Average	866	788	762	736	725	733	713	654	603	563
Fatalities	121	142	158	151	128	155	131	125	127	94
Serious Injuries	575	539	667	602	541	582	451	402	373	377

Preliminary 2019 Crash Data, September 2020



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3-Year Roadway Departure Severe Injury Trend by Crash Factor

	2017	2018	2019
Fatalities	125	127	94
Serious Injuries	402	373	377
Severe Injuries	527	500	471
Impaired Driver Involved (53%)	280	273	240
Unrestrained Occupant (44%)	229	226	199
Older Driver Involved (14%)	83	46	81
Young Driver Involved (15%)	71	75	73
Male Driver Involved (74%)	381	366	359
Female Driver Involved (35%)	194	177	153
Motorcycle Involved (12%)	63	67	53
Single Vehicle Crash (82%)	429	419	380

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3-Year Roadway Departure Severe Injury Trend by Crash Factor

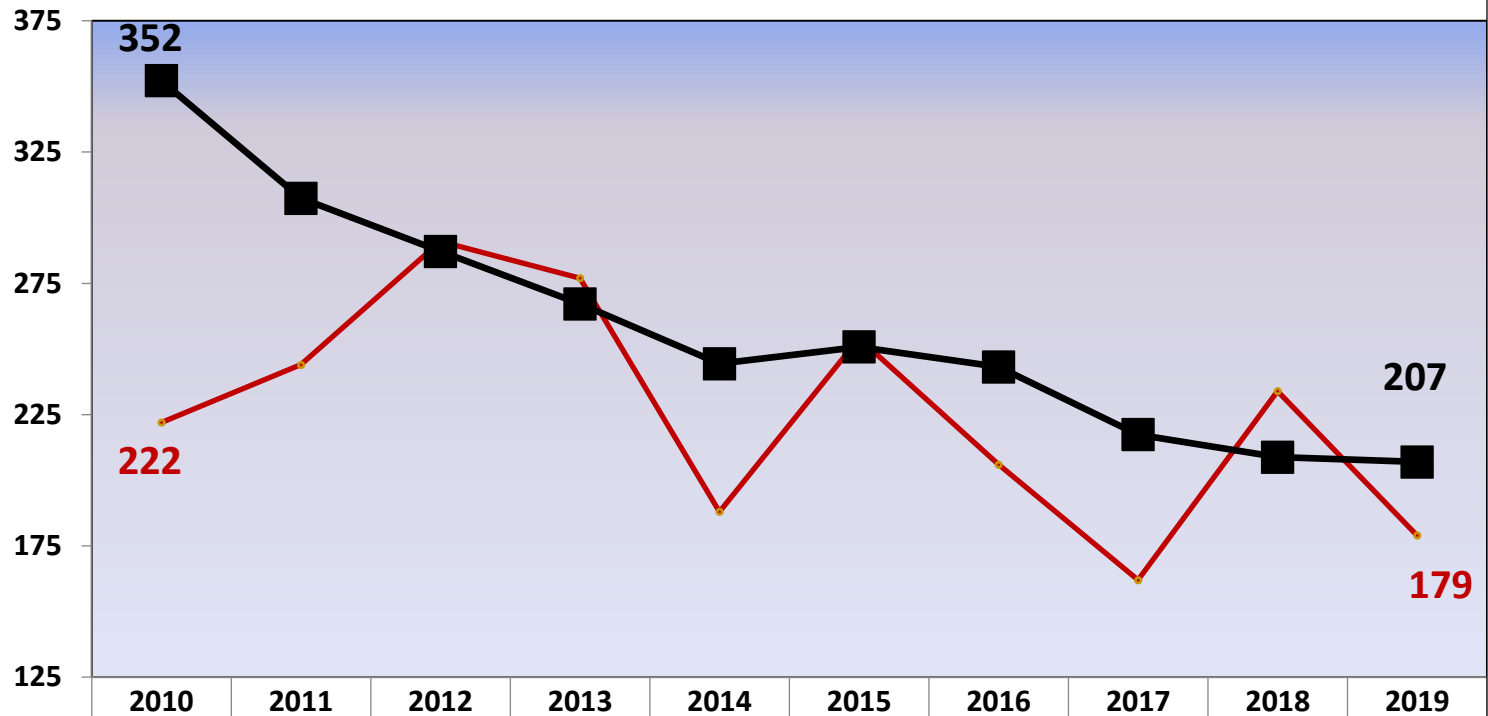
	2017	2018	2019
Fatalities	125	127	94
Serious Injuries	402	373	377
Severe Injuries	527	500	471
Rural Crash (90%)	468	451	433
June, July, August, and September (48%)	235	252	237
Friday, Saturday, Sunday (51%)	274	245	237
Speed Limit >35 MPH (78%)	401	405	369
Shoulder Width <4 Feet (40%)	198	206	192
Careless/Inattentive/Distracted Driver (38%)	204	167	192
Nighttime (34%)	169	183	162
January, February, November, December (21%)	98	113	110

Preliminary 2019 Crash Data, September 2020



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Intersection Related Fatalities & Serious Injuries, 2010-2019



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Intersection Crash - Fatalities & SI	222	244	291	277	188	254	206	162	234	179
5 Year Average	352	307	287	267	244	251	243	217	209	207
Fatalities	30	29	18	27	20	30	15	17	21	21
Serious Injuries	192	215	273	250	168	224	191	145	213	158

Preliminary 2019 Crash Data, September 2020



3-Year Intersection Related Severe Injury Trend by Crash Factors

	2017	2018	2019
Fatalities	17	21	21
Serious Injuries	145	213	158
Severe Injuries	162	234	179
Impaired Driver Involved (26%)	35	61	56
Unrestrained Occupant (19%)	33	44	34
Older Driver Involved (28%)	36	72	52
Young Driver Involved (23%)	35	61	37
Male Driver Involved (78%)	127	179	143
Female Driver Involved (55%)	98	126	95
Speed Limit >35 MPH (46%)	77	102	83
Motorcyclist (13%)	23	32	21
Non-motorized Involved (11%)	24	27	15

Preliminary 2019 Crash Data, September 2020



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3-Year Intersection Related Severe Injury Trend by Crash Factors

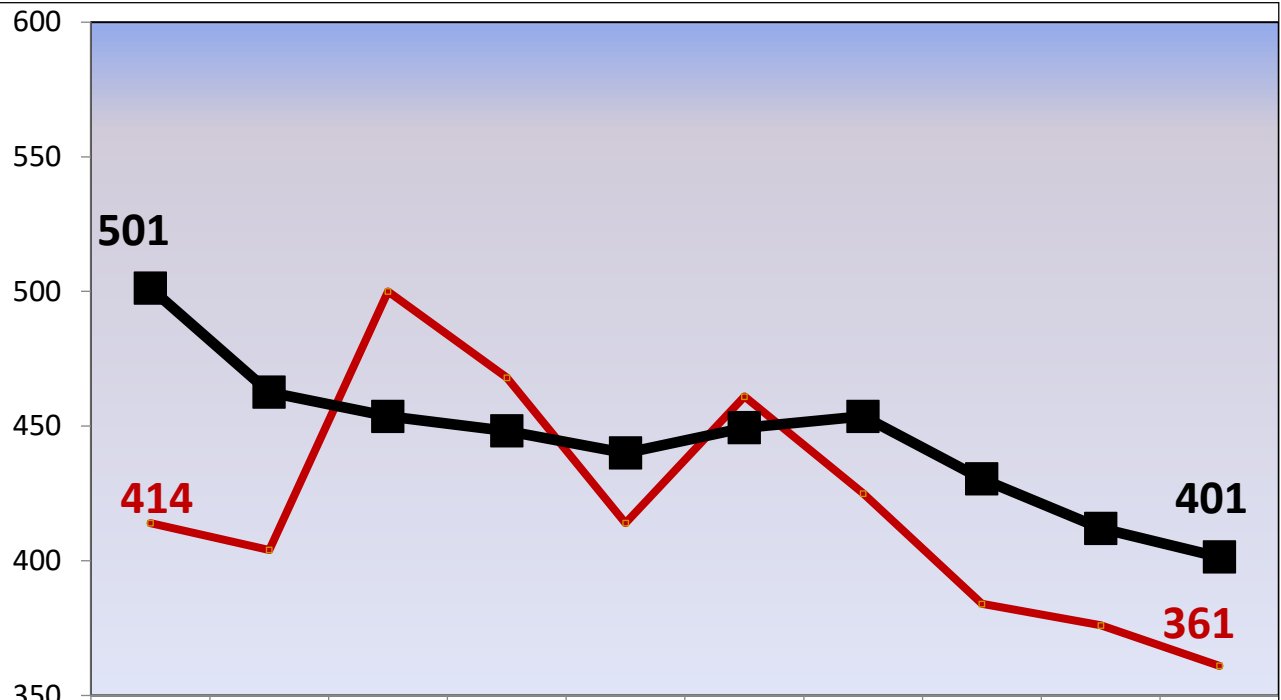
	2017	2018	2019
Fatalities	17	21	21
Serious Injuries	145	213	158
Severe Injuries	162	234	179
Urban Crash (54%)	91	123	95
June, July, August, and September (46%)	70	115	82
Friday, Saturday, Sunday (42%)	58	103	82
Careless/Inattentive/Distracted Driver (33%)	49	82	58
Low Volume Roadway (AADT < 750) (33%)	64	66	57
Nighttime (24%)	33	54	53
Shoulder <4 Feet (32%)	55	70	60
Single Vehicle (21%)	36	49	36
Speed as a Factor (11%)	18	21	23

Preliminary 2019 Crash Data, September 2020



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Impaired Driver Involved Fatalities & Serious Injuries, 2010-2019



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Impaired Driver Involved - Fatalities & SSI	414	404	500	468	414	461	425	384	376	361
5 Year Average	501	463	454	448	440	449	454	430	412	401
Fatalities	107	113	127	136	117	129	128	114	117	106
Suspected Serious Injuries	307	291	373	332	297	332	297	270	259	255

Preliminary 2019 Crash Data, September 2020



3-Year Impaired Driver Related Crash Severe Injury Trend by Crash Factors

	2017	2018	2019
Fatalities	114	117	106
Serious Injuries	270	259	255
Severe Injuries	384	376	361
Roadway Departure Crash (71%)	280	273	240
Intersection Crash (14%)	35	61	56
Unrestrained Occupant (51%)	191	205	178
Impaired Male Driver Involved (72%)	272	278	259
Impaired Female Driver Involved (30%)	118	107	106
Impaired Young Driver Involved (14%)	56	54	49
Impaired Older Driver Involved (6%)	27	17	24
Impaired Motorcyclist Driver Involved (9%)	31	35	35

Preliminary 2019 Crash Data, September 2020



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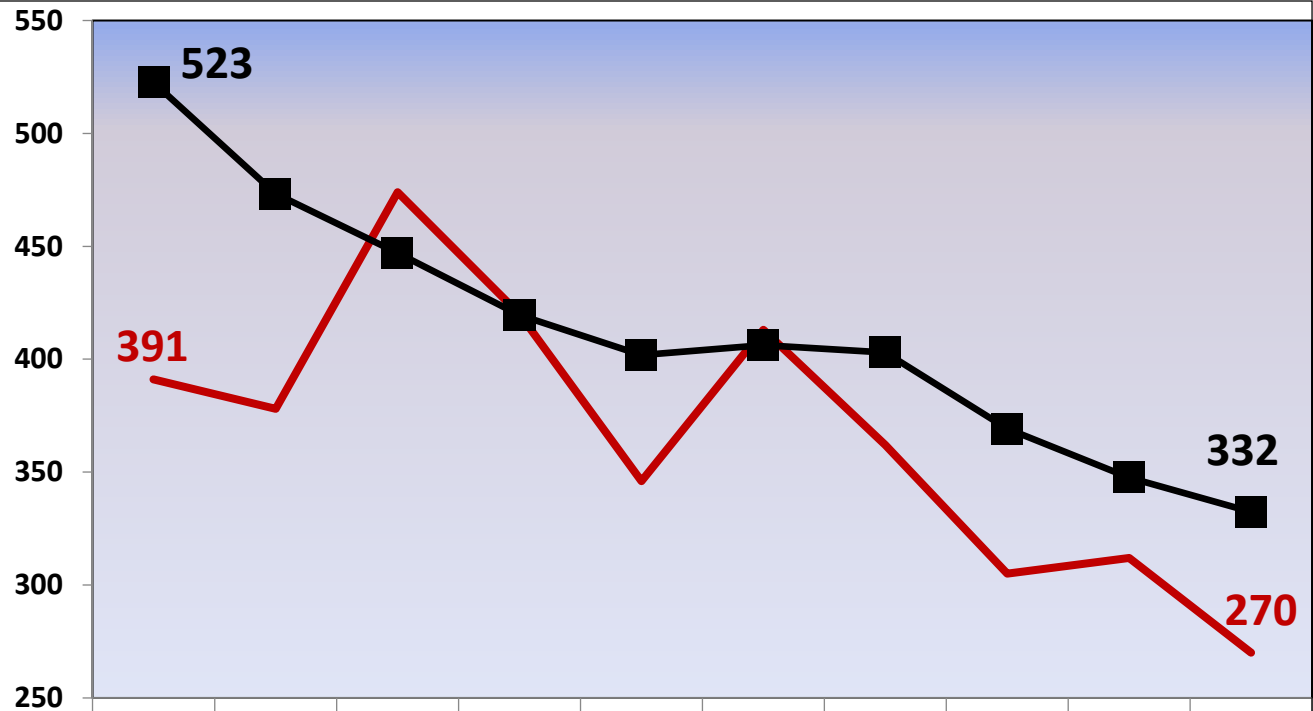
3-Year Impaired Driver Related Severe Injury Trend by Crash Factors

	2017	2018	2019
Fatalities	114	117	106
Serious Injuries	270	259	255
Severe Injuries	384	376	361
Rural Crash (87%)	333	331	315
June, July, August, and September (47%)	163	189	174
Friday, Saturday, Sunday (54%)	206	196	190
Single Vehicle Crash (69%)	257	268	245
Speed Limit > 35 MPH (76%)	290	292	272
Nighttime (47%)	170	186	173
Shoulder Width <4 Feet (44%)	152	180	163
Low Volume Roadway (AADT < 750) (41%)	183	137	135
Careless/Inattentive/Distracted Driver (29%)	105	107	114
Speed as a Factor (22%)	85	82	81
Dry Roadway (80%)	294	313	293

Preliminary 2019 Crash Data, September 2020



Unrestrained Vehicle Occupant Related Crash Fatalities & Serious Injuries, 2010-2019



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Unrestrained Vehicle Occupant - Fatalities & SSI	391	378	474	420	346	413	362	305	312	270
5 Year Average	523	473	447	420	402	406	403	369	348	332
Fatalities	90	110	114	105	100	118	95	84	88	74
Suspected Serious Injuries	301	268	360	315	246	295	267	221	224	196

Preliminary 2019 Crash Data, September 2020



3-Year Unrestrained Vehicle Severe Injury Trend by Crash Factors

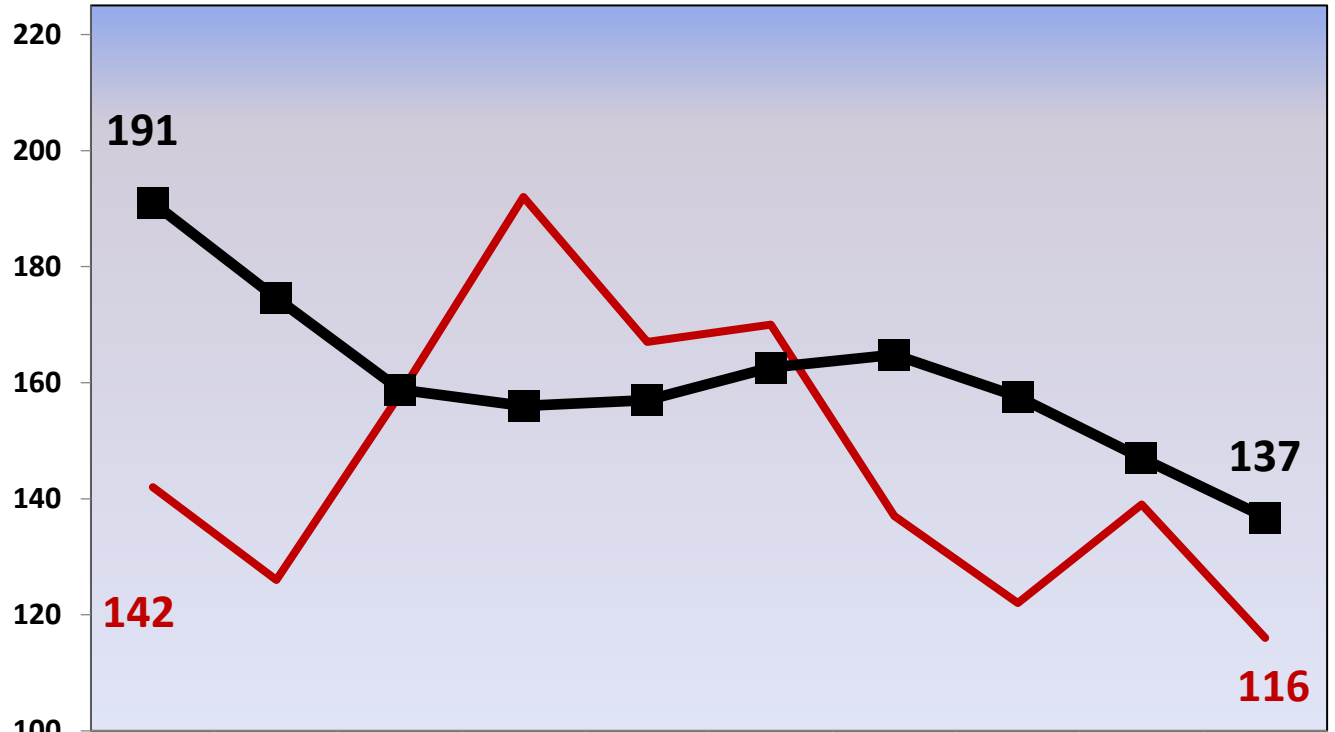
	2017	2018	2019
Fatalities	84	88	74
Serious Injuries	221	224	196
Severe Injuries	305	312	270
Roadway Departure Crash (74%)	230	231	199
Intersection Crash (12%)	33	43	34
Impaired Driver Involved (65%)	191	206	178
Young Driver Involved (20%)	65	64	49
Older Driver Involved (13%)	41	29	47
Rural Crash (90%)	269	284	245
Friday, Saturday, Sunday (48%)	156	146	126

3-Year Unrestrained Vehicle Severe Injury Trend by Crash Factors

	2017	2018	2019
Fatalities	84	88	74
Serious Injuries	221	224	196
Severe Injuries	305	312	270
June, July, August and September (43%)	127	134	117
Speed Limit >35 MPH (80%)	244	252	210
Single Vehicle Crash (75%)	237	230	196
Shoulder Width <4 Feet (44%)	116	151	123
Nighttime (44%)	129	146	118
Low Volume Roadway (AADT < 750) (44%)	159	123	110
Speed as a Factor (26%)	80	77	70



Motorcyclist Crash Fatalities & Serious Injuries, 2010-2019



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Motorcyclist - Fatalities & SI	142	126	158	192	167	170	137	122	139	116
5 Year Average	191	175	159	156	157	163	165	158	147	137
Fatalities	25	20	30	34	23	25	17	22	21	22
Serious Injuries	117	106	128	158	144	145	120	100	118	94

Preliminary 2019 Crash Data, September 2020



3-Year Motorcyclist Severe Injury Trend by Crash Factors

	2017	2018	2019
Fatalities	22	21	22
Serious Injuries	100	118	94
Severe Injuries	122	139	116
Roadway Departure Crash (48%)	63	67	51
Intersection Crash (20%)	23	32	21
Impaired Motorcycle Operator (23%)	29	29	30
Motorcycle Operator (91%)	114	126	102
Motorcyclist - No Helmet (38%)	47	50	47
Male Motorcycle Operator (84%)	102	117	98
Motorcycle Operator Age 55-64 (19%)	22	29	21
Motorcycle Operator Age 45-54 (14%)	15	23	16

Preliminary 2019 Crash Data, September 2020



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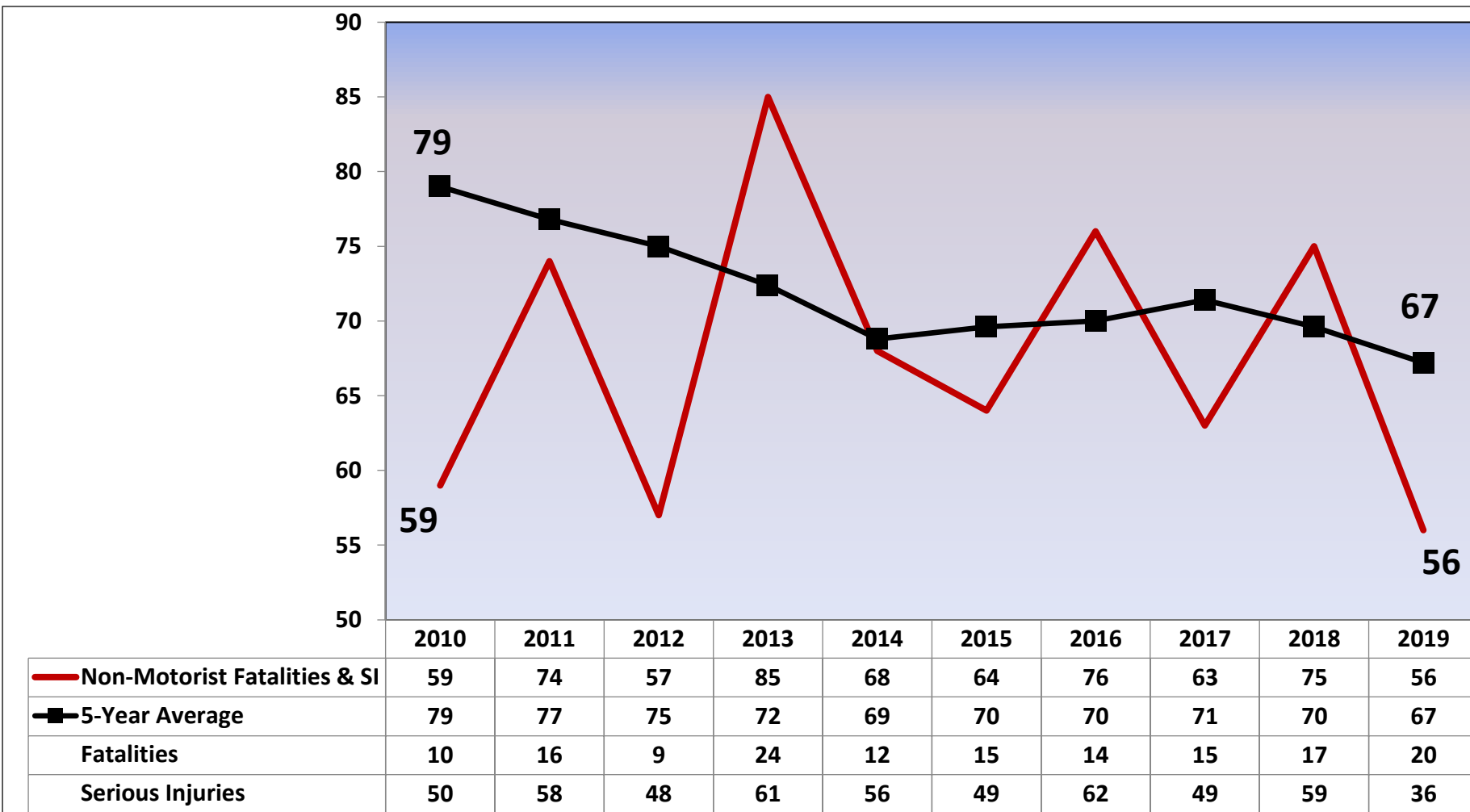
3-Year Motorcyclist Severe Injury Trend by Crash Factors

	2017	2018	2019
Fatalities	22	21	22
Serious Injuries	100	118	94
Severe Injuries	122	139	116
Rural Crash (76%)	88	106	92
Urban Crash (24%)	34	33	24
June, July, August, and September (78%)	88	104	102
Friday, Saturday, Sunday (62%)	80	80	72
Nighttime (17%)	18	23	23
Dry Roadway (94%)	116	130	107
Speed Limit >35 MPH (66%)	72	95	82
Single Vehicle (68%)	82	94	80
Shoulder Width <4 Feet (46%)	61	62	52

Preliminary 2019 Crash Data, September 2020



Non-Motorist Fatalities & Serious Injuries, 2010-2019



Preliminary 2019 Crash Data, September 2020



3-Year Non-Motorized Severe Injury Trend by Crash Factors

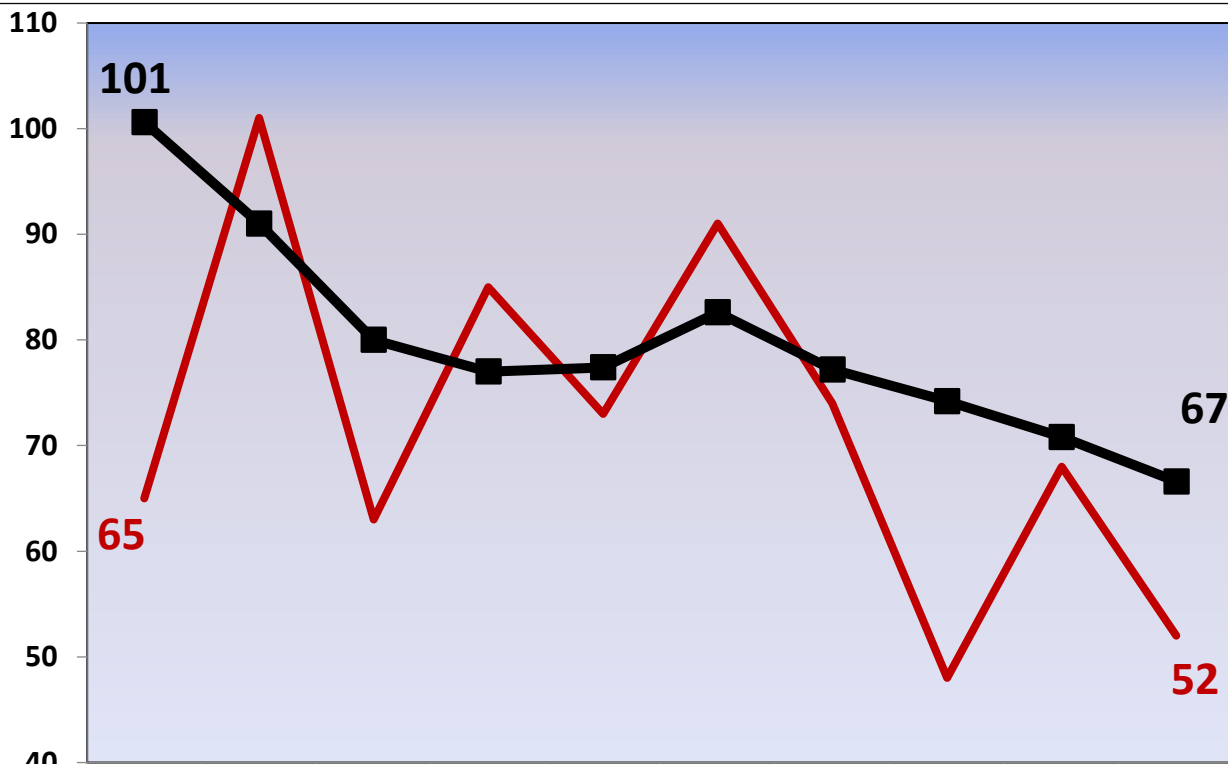
	2017	2018	2019
Fatalities	15	17	20
Serious Injuries	49	59	36
Severe Injuries	64	76	56
Intersection Crash (34%)	24	27	15
Impaired Driver Involved (20%)	12	12	15
Urban Crash (63%)	45	52	27
June, July, August, and September (40%)	29	31	18
Friday, Saturday, Sunday (45%)	25	33	30
Nighttime (51%)	33	37	29
November, December, January, and February (32%)	18	23	22

3-Year Non-Motorized Severe Injury Trend by Crash Factors

	2017	2018	2019
Fatalities	15	17	20
Serious Injuries	49	59	36
Severe Injuries	64	76	56
Pedestrians (75%)	45	57	45
Bicyclists (24%)	18	19	11
Low Volume Roadway (AADT < 750) (33%)	25	21	19
Shoulder Width <4 Feet (34%)	19	24	24
Speed Limit >35 MPH (26%)	14	17	20
Friday Noon to Sunday Noon (33%)	20	22	23

Non-Motorists includes pedestrians and bicyclists

Large Vehicle Related Fatalities & Serious Injuries, 2010-2019



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Large Vehicle Involved - Fatalities & SI	65	101	63	85	73	91	74	48	68	52
5 Year Average	101	91	80	77	77	83	77	74	71	67
Fatalities	18	32	11	21	14	22	22	20	16	25
Serious Injuries	47	69	52	64	59	69	52	28	52	27

Preliminary 2019 Crash Data, September 2020



3-Year Large Vehicle Related Severe Injury Trend by Crash Factors

	2017	2018	2019
Fatalities	20	16	25
Serious Injuries	28	52	27
Severe Injuries	48	68	52
Roadway Departure Crash (54%)	23	25	43
Intersection Crash (20%)	9	9	16
Impaired Driver Involved (33%)	14	20	21
Impaired Large Vehicle Driver Involved (5%)	2	2	5
June, July, August, and September (50%)	20	25	39
Friday, Saturday, Sunday (42%)	17	21	33

3-Year Large Vehicle Related Severe Injury Trend by Crash Factors

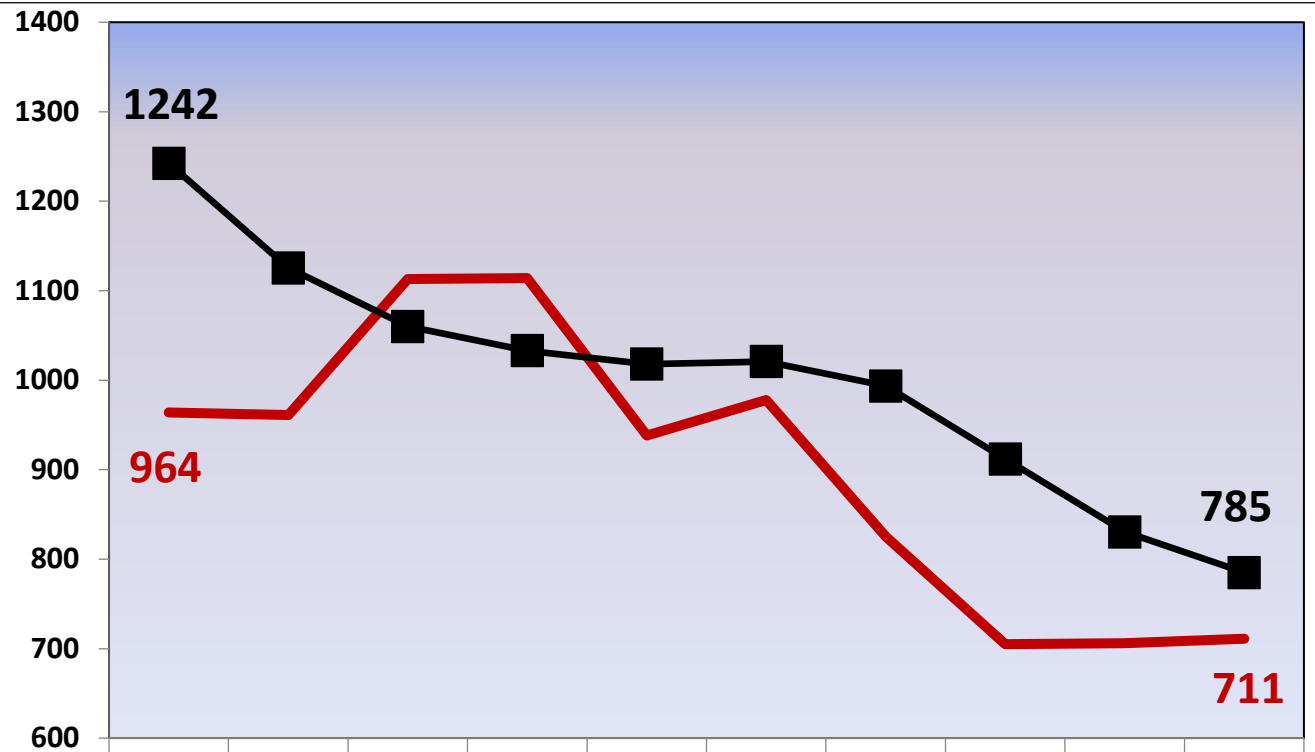
	2017	2018	2019
Fatalities	20	16	25
Serious Injuries	28	52	27
Severe Injuries	48	68	52
Dry Roadway (80%)	22	51	61
Nov, Dec, Jan, Feb (41%)	16	25	28
Single Vehicle (30%)	11	19	20
Shoulder Width <4 Feet (30%)	16	13	21
Low Volume Roadway (AADT < 750) (27%)	17	14	14
Nighttime (24%)	12	14	15

Large Vehicles are defined as those 10,000+ pounds

Preliminary 2019 Crash Data, September 2020



Rural Road Fatalities & Serious Injuries, 2010-2019



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Rural Roadway Crash - Fatalities & SI	964	961	1113	1114	938	978	825	705	706	711
5 Year Average	1242	1125	1060	1033	1018	1021	994	912	830	785
Fatalities	174	176	189	209	174	198	176	163	152	159
Serious Injuries	790	785	924	905	764	780	649	542	554	552

Preliminary 2019 Crash Data, September 2020



3-Year Rural Road Severe Injury Trend by Crash Factors

	2017	2018	2019
Fatalities	163	152	159
Serious Injuries	542	554	552
Severe Injuries	705	706	711
Roadway Departure Crash (64%)	468	451	433
Intersection Crash (13%)	72	111	84
Impaired Driver Involved (46%)	333	331	315
Unrestrained Vehicle Occupant (38%)	269	284	245
June, July, August, and September (49%)	320	357	363
Friday, Saturday, Sunday (49%)	362	340	346
Nighttime (32%)	228	229	222

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3-Year Rural Road Severe Injury Trend by Crash Factors

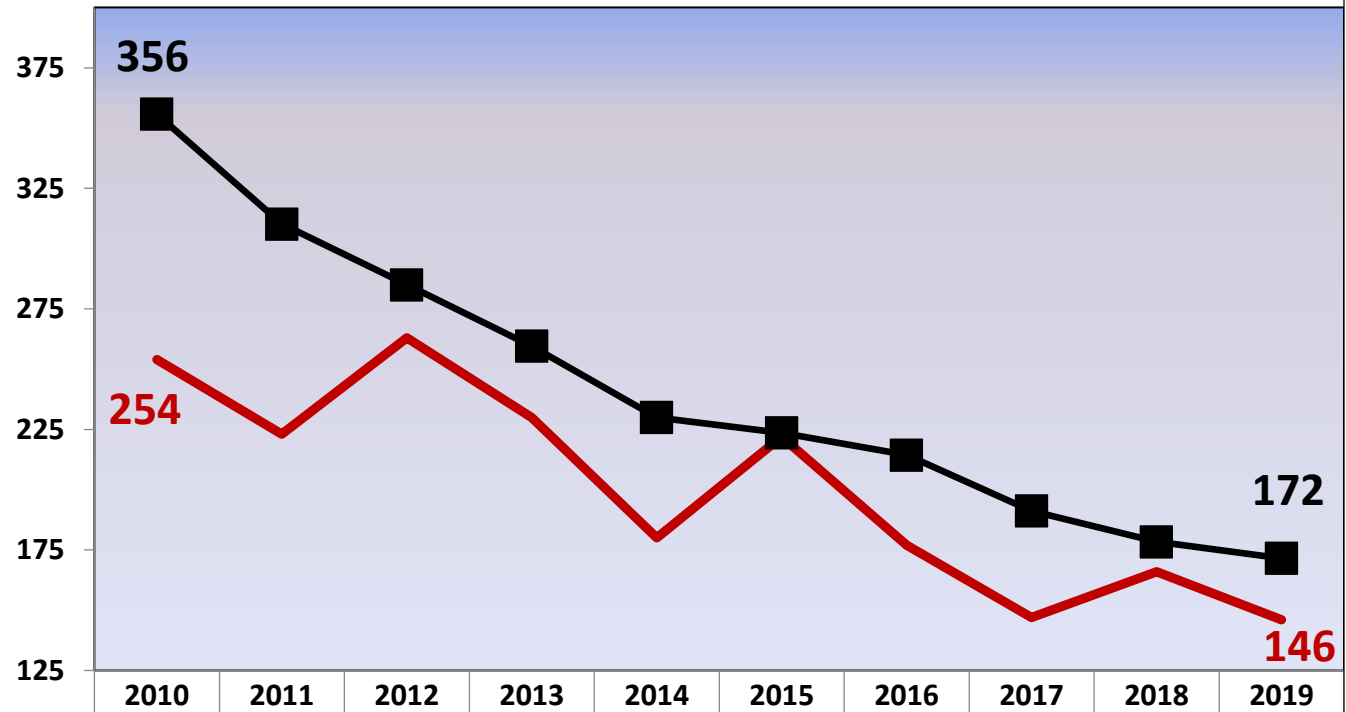
	2017	2018	2019
Fatalities	163	152	159
Serious Injuries	542	554	552
Severe Injuries	705	706	711
Dry Roadway (76%)	518	554	536
Single Vehicle (66%)	453	471	472
Shoulder Width <4 Feet (41%)	278	306	292
Low Volume Roadway (AADT < 750) (39%)	318	251	258
Careless/Inattentive/Distracted (36%)	257	236	278
Speed as a Factor (23%)	173	147	164
Speed Limit >35 MPH (82%)	578	585	570

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Young Driver Involved Fatalities & Serious Injuries, 2010-2019 (14-19 YOA)



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
— Younger Driver Age 14-20 Involved - Fatalities & SI	254	223	263	230	180	222	177	147	166	146
■ 5 Year Average	356	310	285	260	230	224	214	191	178	172
Fatalities	40	27	26	26	24	36	18	25	29	35
Serious Injuries	214	196	237	204	156	186	159	122	137	111

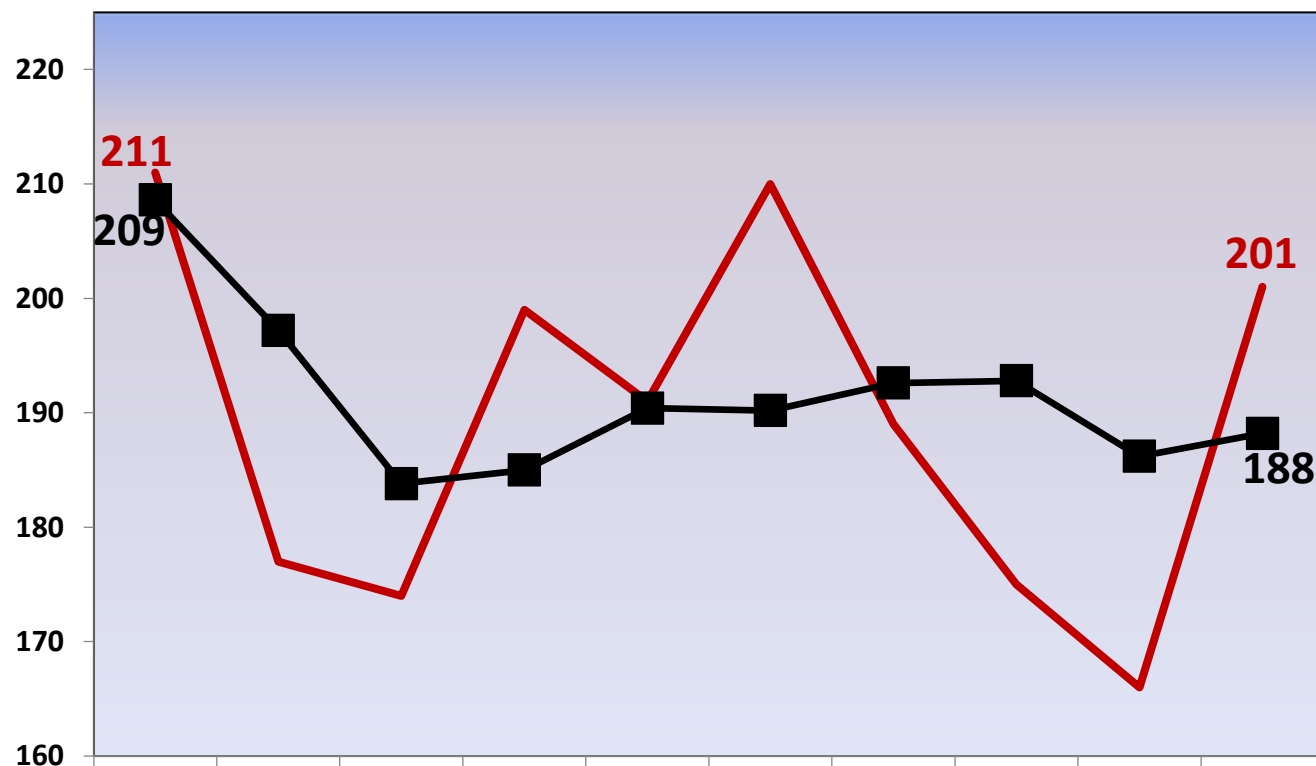
3-Year Younger Driver Involved Severe Injury Trend by Crash Factors (14-19 YOA)

	2017	2018	2019
Fatalities	25	29	35
Serious Injuries	122	137	111
Severe Injuries	147	166	146
Roadway Departure Crash (48%)	71	77	73
Intersection Crash (29%)	35	59	37
Impaired Young Driver Involved (35%)	56	54	49
Unrestrained Vehicle Occupant (39%)	64	66	49
Young Male Driver (65%)	91	110	96
Young Female Driver (37%)	57	62	52
Friday, Saturday, Sunday (50%)	81	82	68
June, July, August, and September (48%)	63	82	74

3-Year Younger Driver Involved Severe Injury Trend by Crash Factors (14-19 YOA)

	2017	2018	2019
Fatalities	25	29	35
Serious Injuries	122	137	111
Severe Injuries	147	166	146
Speed Limit >35 MPH (66%)	97	106	98
Single Vehicle (49%)	86	74	65
Low Volume Roadway (AADT < 750) (43%)	85	63	48
Shoulder Width <4 Feet (38%)	62	56	55
Careless, Inattentive/Distracted (36%)	49	50	64
Nighttime (35%)	74	49	38
Speed as a Factor (23%)	39	27	40

Older Driver Involved Fatalities & Serious Injuries, 2010-2019 (65+YOA)



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Older Driver 65 +YOA - Fatalities & SI	211	177	174	199	191	210	189	175	166	201
5 Year Average	209	197	184	185	190	190	193	193	186	188
Fatalities	42	39	26	51	32	46	34	37	29	54
Serious Injuries	169	138	148	148	159	164	155	138	137	147

Preliminary 2019 Crash Data, September 2020



3-Year Older Driver Involved Severe Injury Trend by Crash Factors (65+ YOA)

	2017	2018	2019
Fatalities - Driver Age 65+ Involved	37	29	54
Serious Injuries - Driver Age 65+ Involved	138	137	147
Severe Injuries - Driver Age 65+ Involved	175	166	201
Roadway Departure - Driver Age 65+ Involved (39%)	84	46	81
Intersection - Driver Age 65+ Involved (30%)	36	72	52
Impaired Driver Age 65+ Involved (13%)	27	17	24
Unrestrained Occupant - Driver Age 65+ Involved (21%)	40	28	47
Nighttime - Driver Age 65+ Involved (11%)	21	16	25
Jun, Jul, Aug, Sep - Driver Age 65+ Involved (52%)	96	82	102
Friday, Saturday, Sunday - Driver Age 65+ Involved (43%)	73	75	83

3-Year Older Driver Involved Severe Injury Trend by Crash Factors (65+ YOA)

	2017	2018	2019
Fatalities - Driver Age 65+ Involved	37	29	54
Serious Injuries - Driver Age 65+ Involved	138	137	147
Severe Injuries - Driver Age 65+ Involved	175	166	201
Rural Crash - Driver Age 65+ Involved (74%)	134	114	153
Dry Roadway - Driver Age 65+ Involved (78%)	127	142	155
Speed Limit >35 MPH - Driver Age 65+ Involved (74%)	132	122	145
Single Vehicle - Driver Age 65+ Involved (36%)	72	48	74