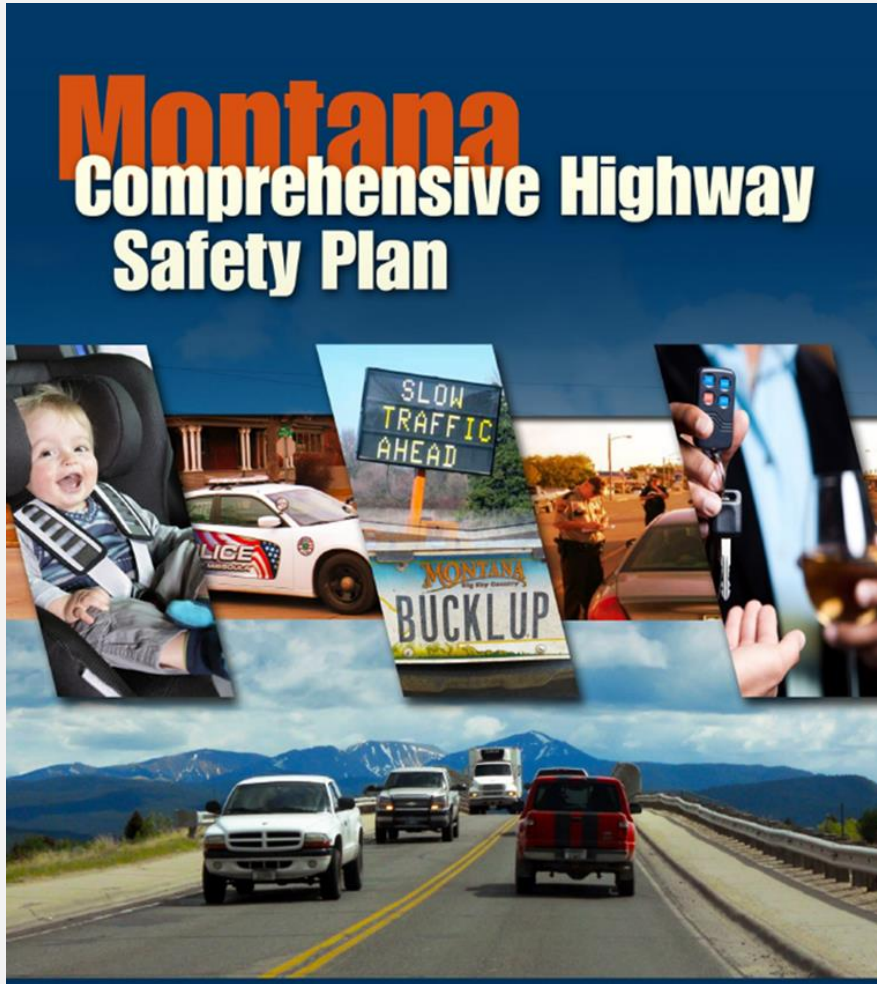


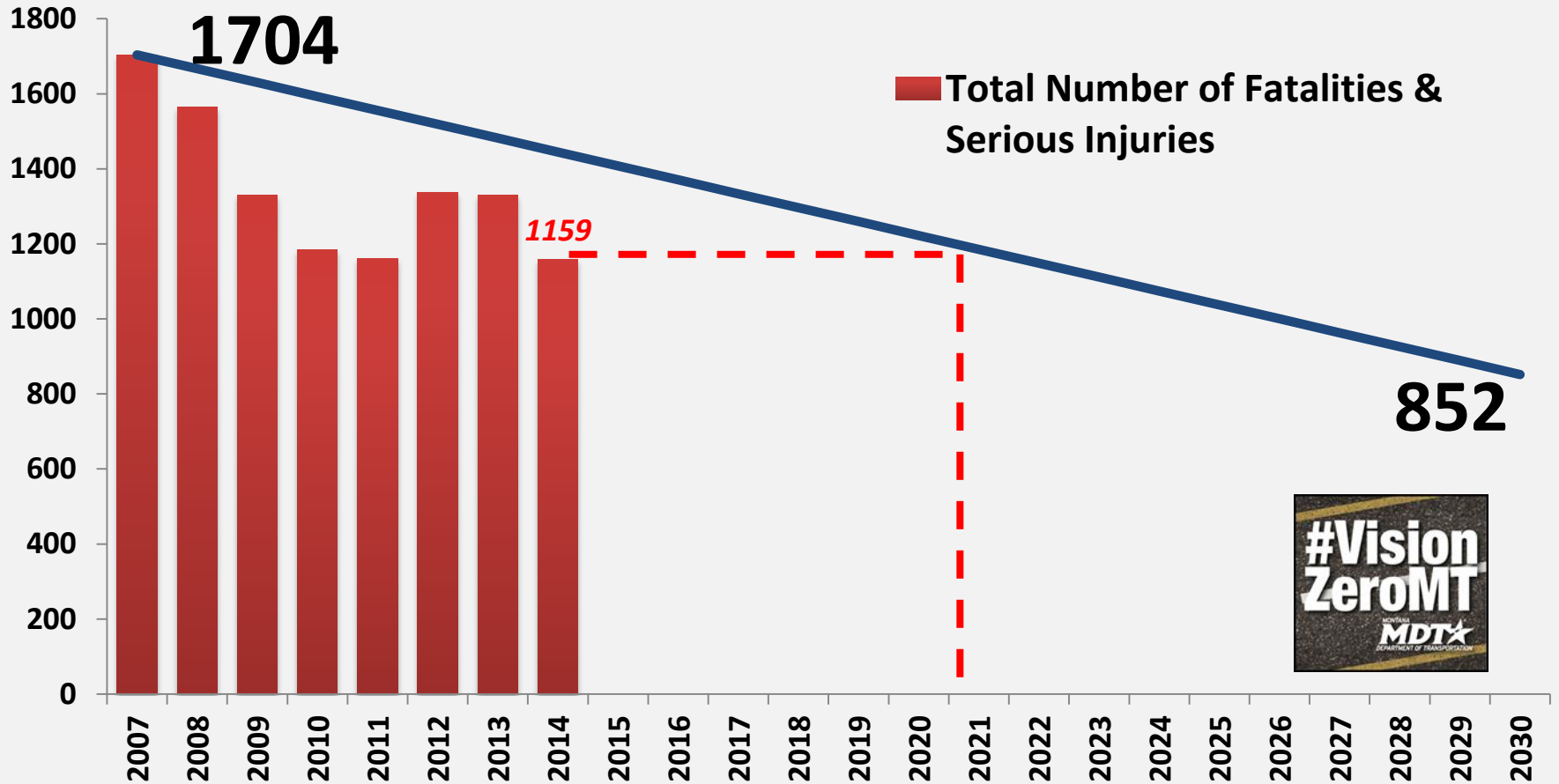
Montana Crash Data Summary



2015 Annual Transportation
Safety Planning Meeting
The Gateway Center-
Helena, MT
October 29, 2015

Kraig McLeod, Safety Engineer
Montana Department of
Transportation

CHSP Interim Safety Goal

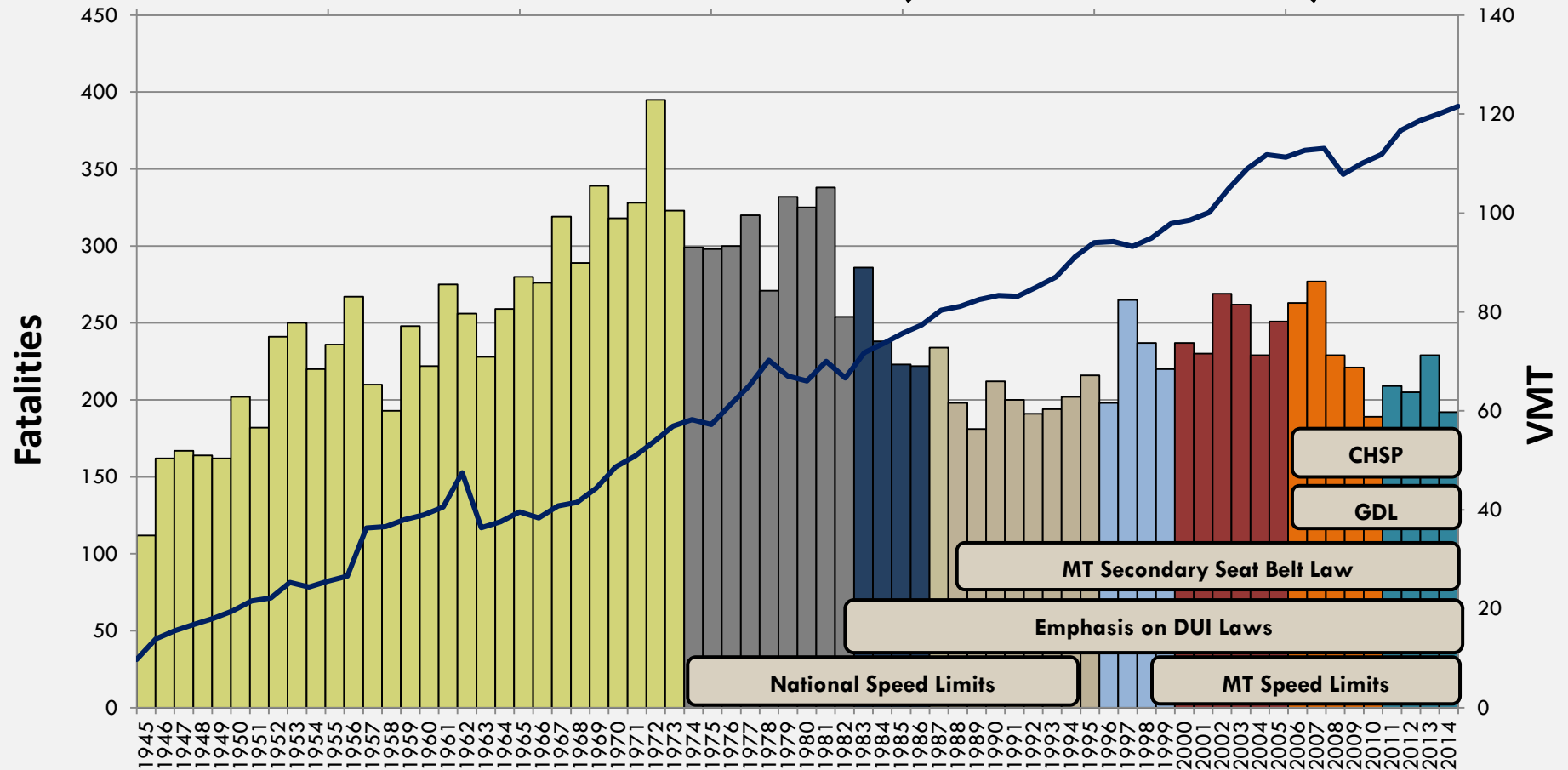


Montana Comprehensive Highway Safety Plan
2015-2020

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Fatality & VMT Trends 1945 - 2014

■ Fatalities — VMT (100 Million Miles)



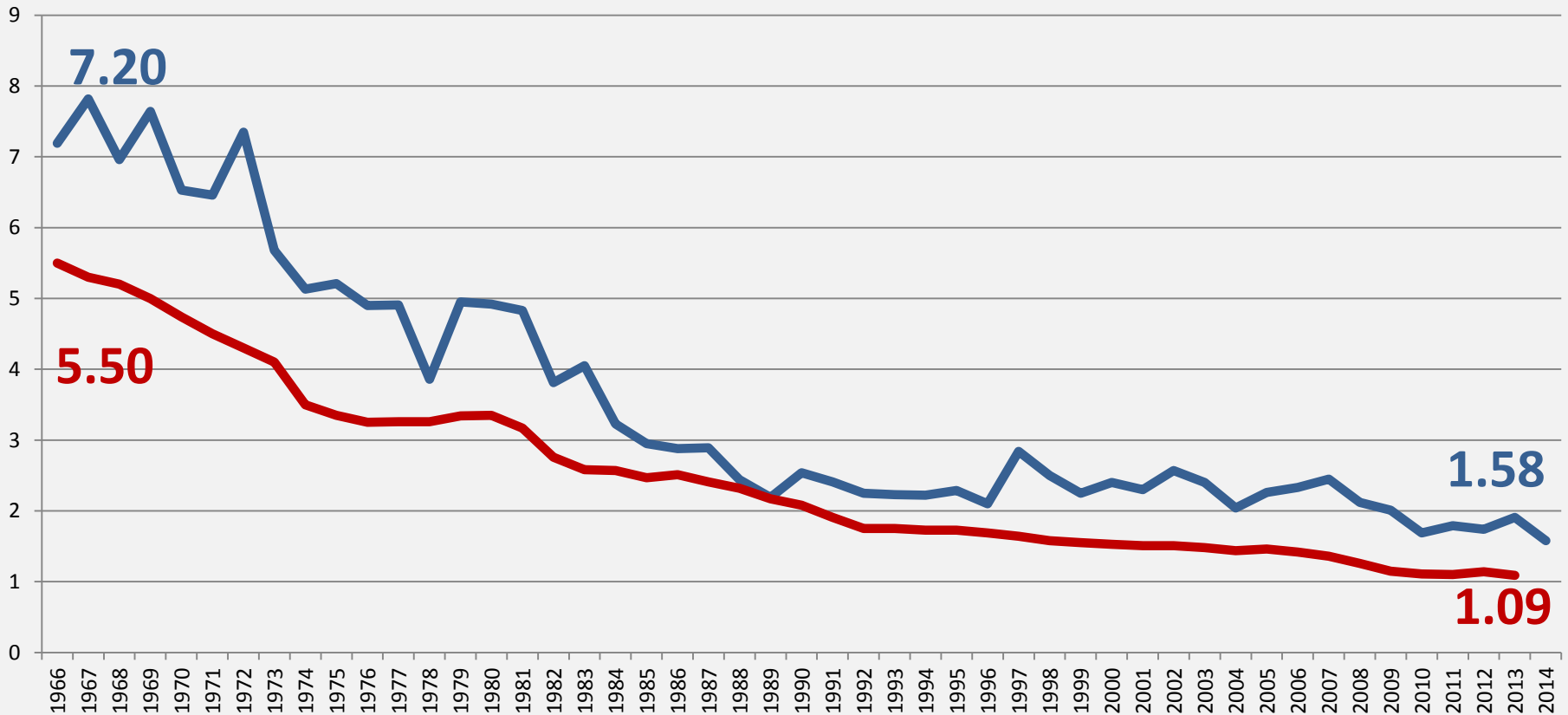
Montana Comprehensive Highway Safety Plan
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Fatality Rates MT vs. US

—Montana

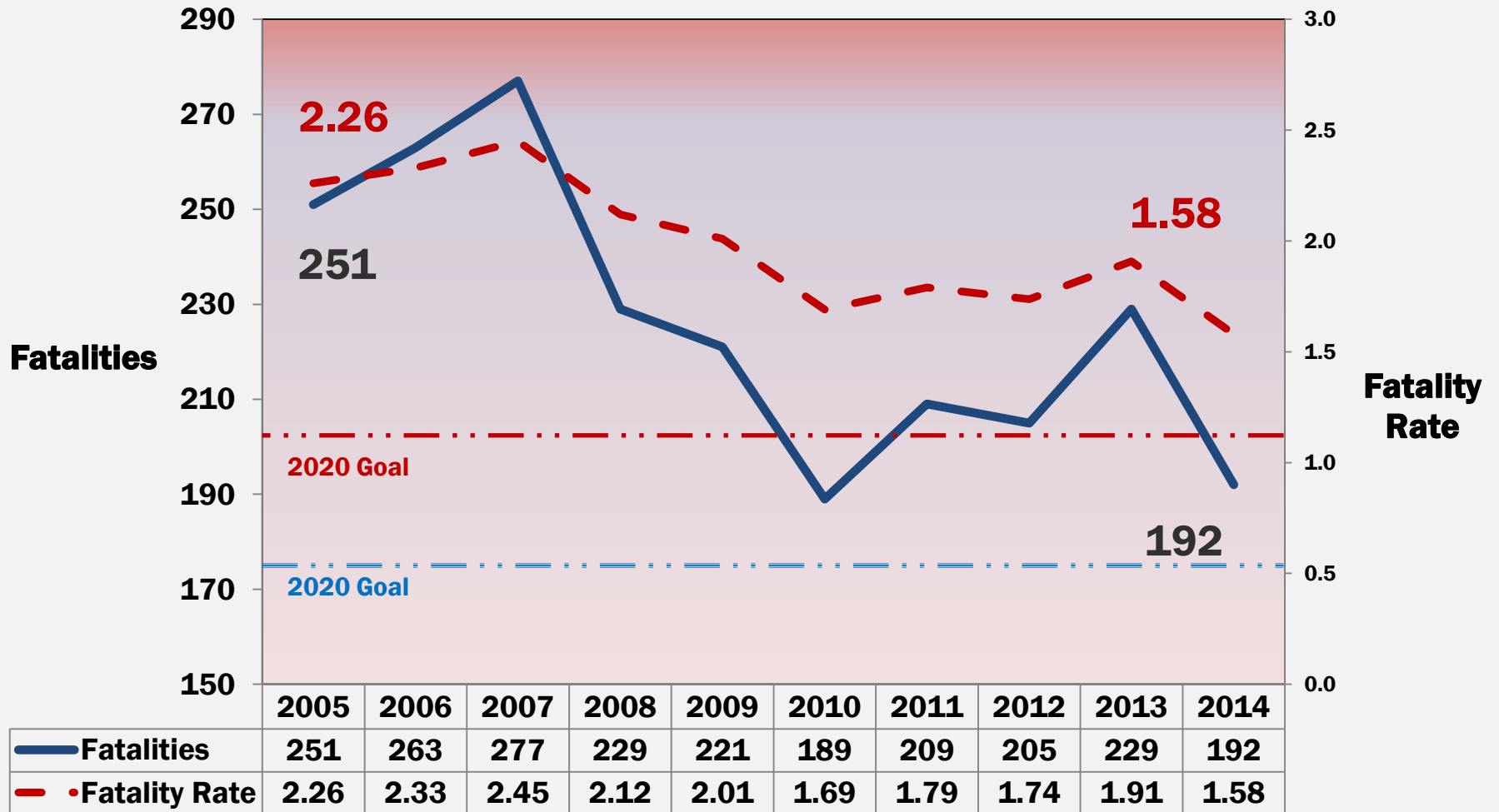
—USA



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CHSP Safety Targets: Reduction in the Number of Fatalities & Fatality Rate

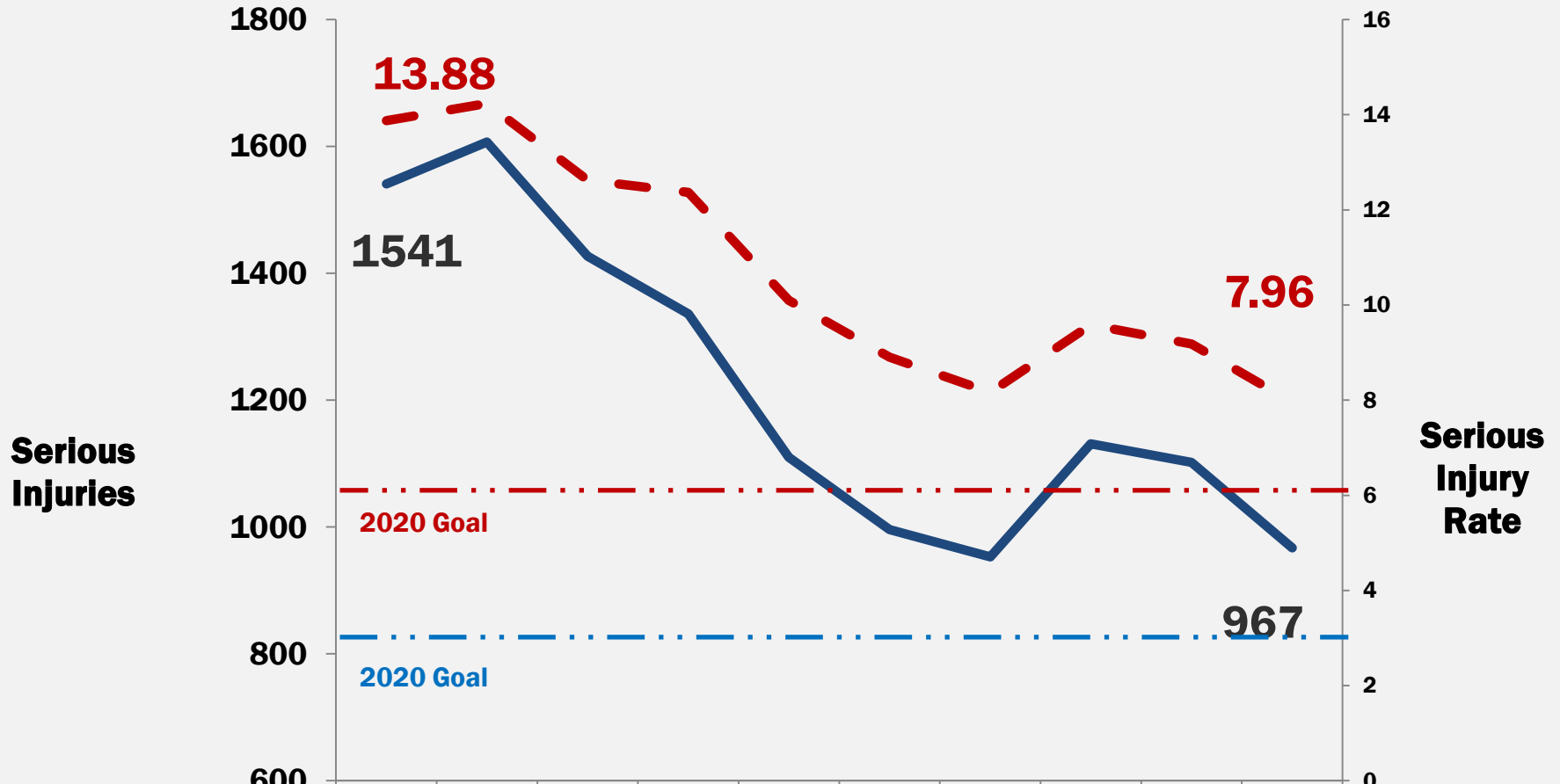


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CHSP Safety Targets:

Reduction in the Number of Serious Injuries & Serious Injury Rate

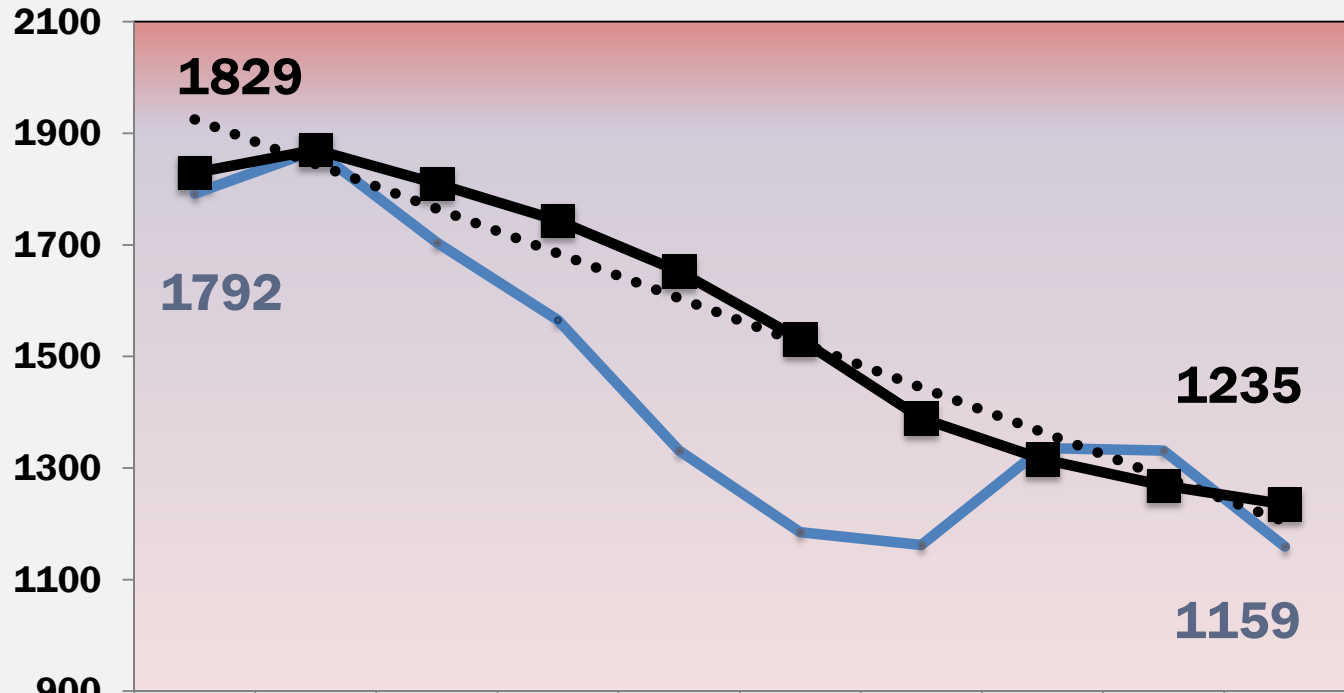


	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Serious Injuries	1541	1607	1427	1336	1110	996	953	1131	1102	967
Serious Injury Rate	13.88	14.24	12.62	12.37	10.10	8.91	8.16	9.58	9.18	7.96

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Total Fatalities & Serious Injuries (Severe Injuries)



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
All Crash - Fatalities and Serious Injuries	1792	1870	1704	1565	1331	1185	1162	1336	1331	1159
5 Year Average	1829	1870	1810	1743	1652	1531	1389	1316	1269	1235
Fatalities	251	263	277	229	221	189	209	205	229	192
Serious Injuries	1541	1607	1427	1336	1110	996	953	1131	1102	967

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3-year Severe Injury Trend - by Crash Factor

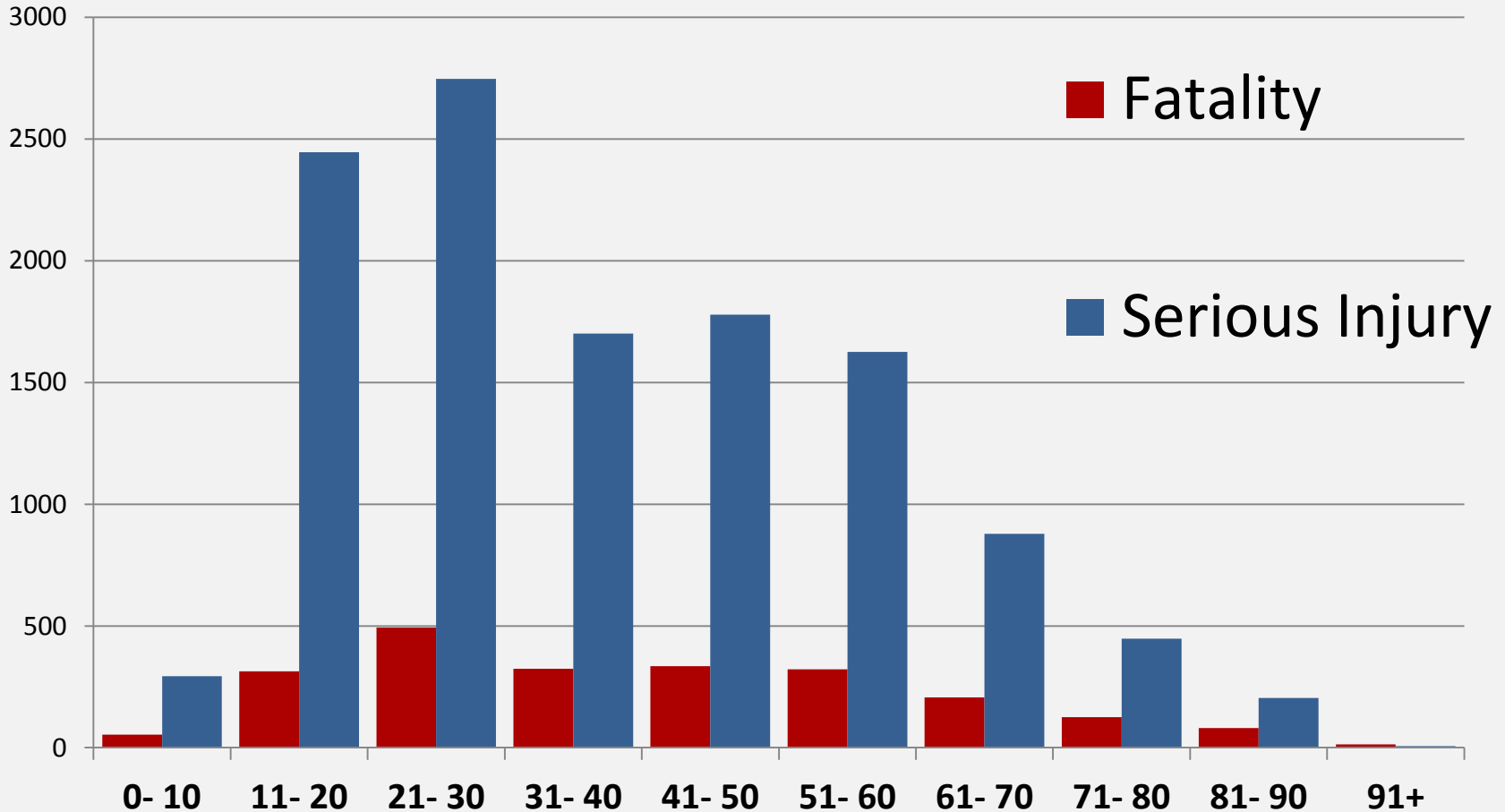
	2012	2013	2014
Fatalities	205	229	192
Serious Injuries	1,129	1,102	967
Severe Injuries	1,334	1,331	1,159
Roadway Departure Crash (~59%)	826	754	667
Intersection Crash (~19%)	290	277	188
Impaired Driver Involved (~36%)	498	469	411
Unrestrained Occupant (~35%)	495	446	378
Young Driver Involved	276	247	190
Older Driver Involved	175	201	191
Male Driver Involved	996	1,026	855
Female Driver Involved	520	528	462
Bike/Ped Involved	59	88	70
Motorcyclist	158	192	167
Large Vehicle	63	84	73

3-year Severe Injury Trend

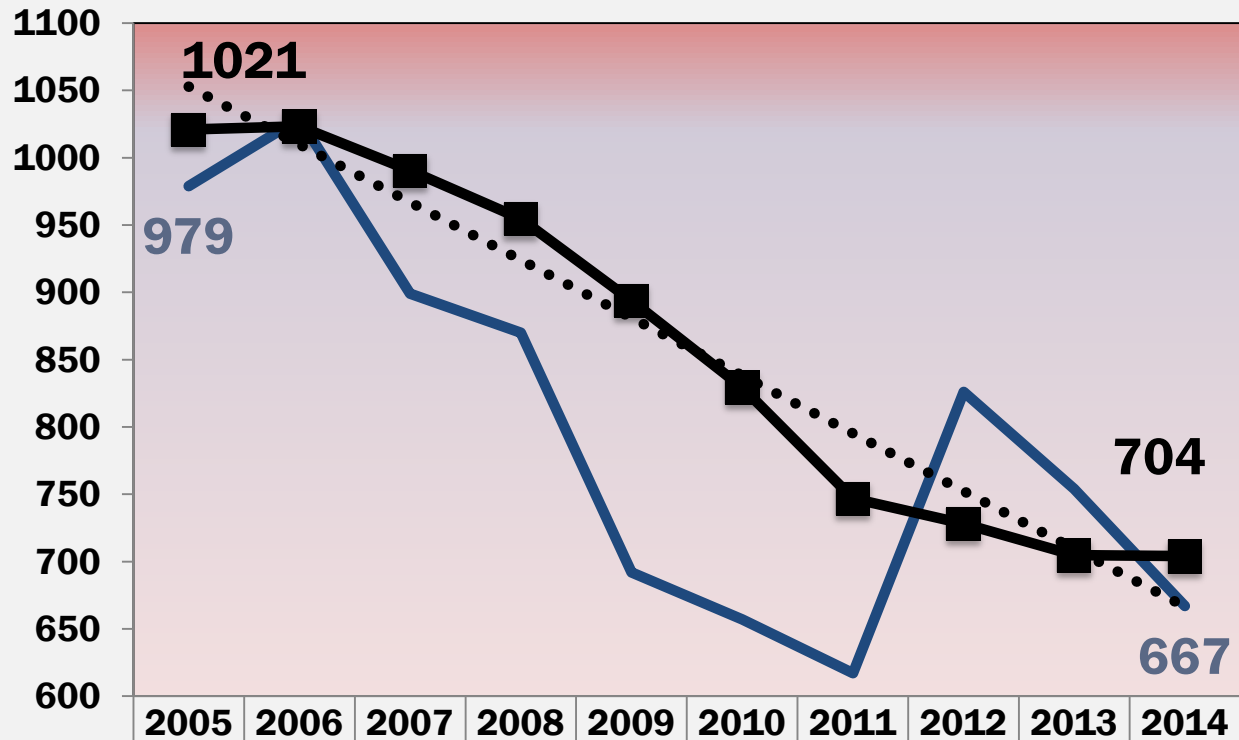
- by Crash Factor (continued)

	2012	2013	2014
Fatalities	205	229	192
Serious Injuries	1,129	1,102	967
Severe Injuries	1,334	1,331	1,159
Rural Crash (~83%)	1,117	1,115	948
Urban Crash	217	216	211
June, July, and August (~36%)	450	505	410
Friday, Saturday, and Sunday (~50%)	651	667	580
Nighttime	452	455	347
Shoulder Width less than 4 feet (~40%)	522	540	475
More than 2 lane roadway	391	389	216
Speed as a Factor	283	256	244
Non-MT Licensed Driver Involved	361	337	288

Fatalities and Serious Injuries by Age, 2005-2014



Roadway Departure



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
— Roadway Departure Fatalities and Serious Injuries	979	1029	899	870	692	657	617	826	754	667
■ 5 Year Average	1021	1023	991	955	894	829	747	728	705	704
Fatalities	175	167	194	143	146	121	142	158	151	126
Serious Injuries	804	862	705	727	546	536	475	668	603	541

3-year Roadway Departure Severe Injury Trend – by Crash Factor

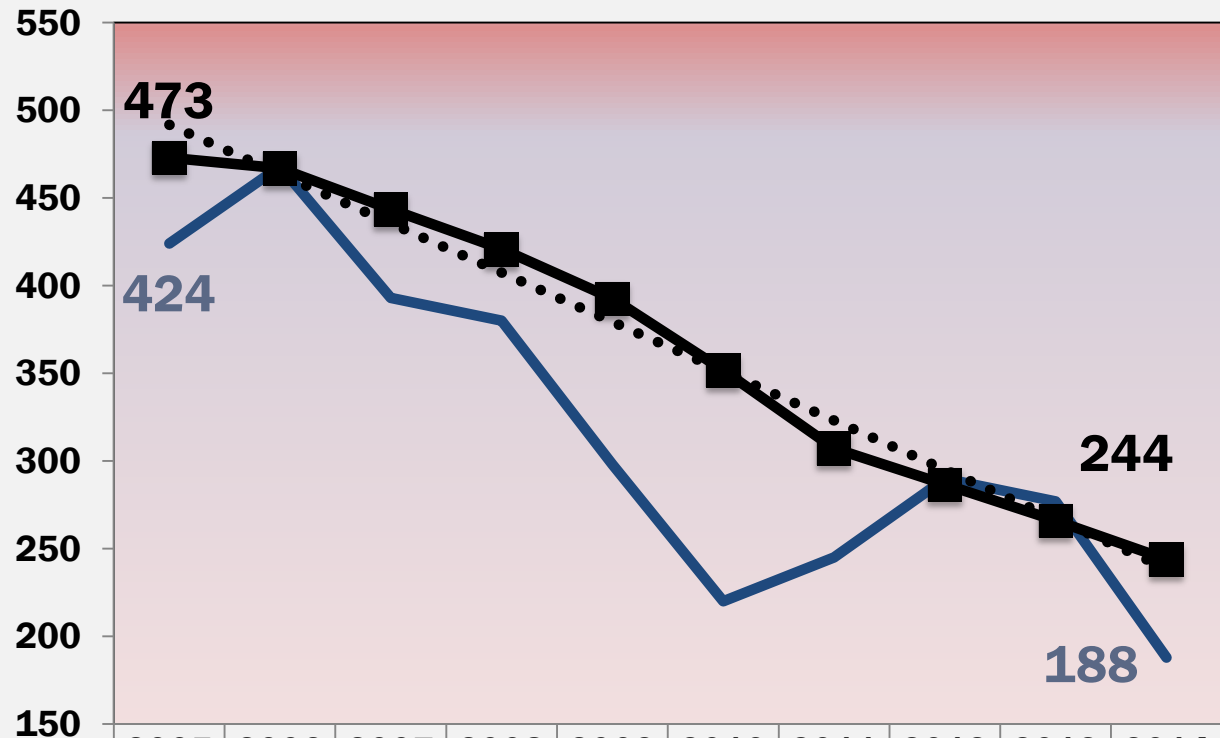
	2012	2013	2014
Fatalities	158	151	126
Serious Injuries	668	603	541
Severe Injuries	826	754	667
Impaired Driver Involved (~44%)	367	325	293
Unrestrained Occupant (~42%)	373	316	270
Young Driver Involved	141	119	113
Older Driver Involved	92	93	87
Male Driver Involved (~72%)	606	551	474
Female Driver Involved	262	246	232
Motorcyclist	75	98	77
Large Vehicle	27	32	35

3-year Roadway Departure Severe Injury Trend – by Crash Factor

(continued)

	2012	2013	2014
Fatalities	158	151	126
Serious Injuries	668	603	541
Severe Injuries	826	754	667
Rural Crash (~94%)	785	720	612
Urban Crash	41	34	55
June, July, and August	278	293	233
Friday, Saturday, and Sunday (~53%)	445	399	354
Nighttime	305	279	221
Shoulder Width less than 4 feet	364	317	314
More than 2 lane roadway	224	216	99
Speed as a Factor	208	174	172

Intersections



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Intersection Crash - Fatalities and Serious Injuries	424	468	393	380	298	220	245	290	277	188
5 Year Average	473	467	444	421	393	352	307	287	266	244
Fatalities	29	40	37	37	32	30	30	17	27	20
Serious Injuries	395	428	356	343	266	190	215	273	250	168

3-year Intersection Severe Injury Trend – by Crash Factor

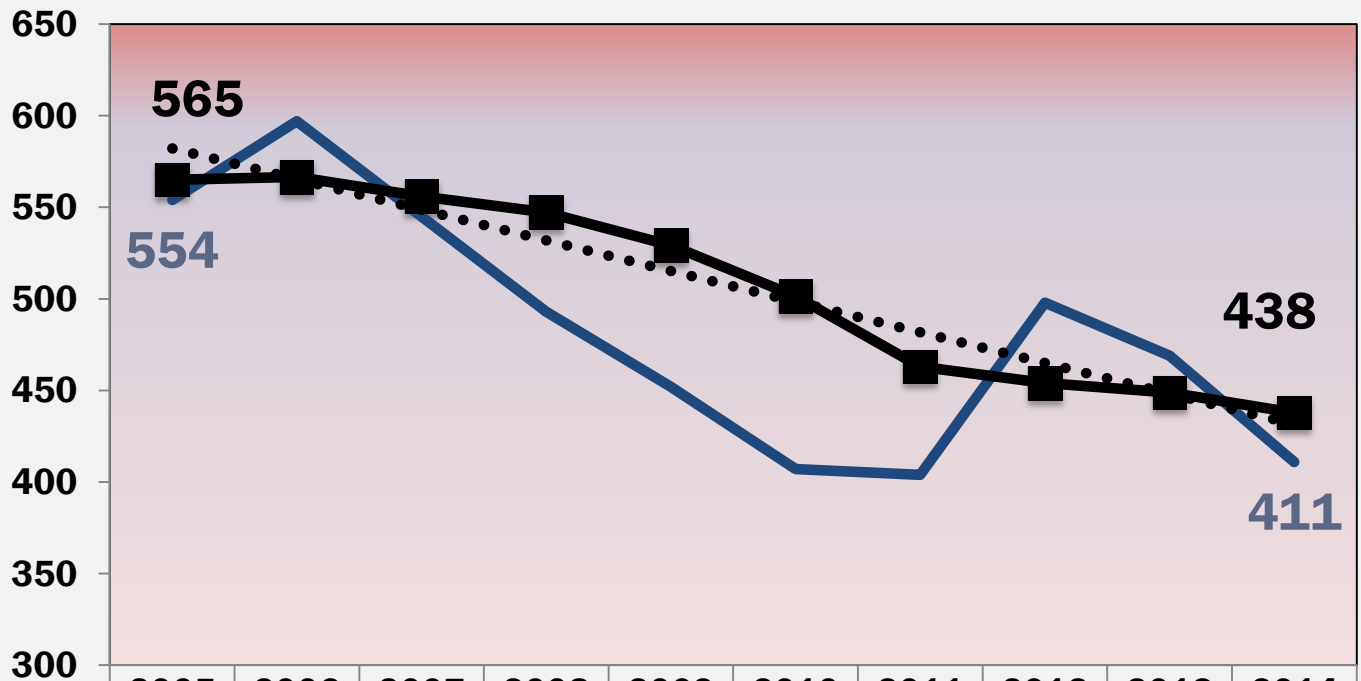
	2012	2013	2014
Fatalities	17	27	20
Serious Injuries	273	250	168
Severe Injuries	290	277	188
Impaired Driver Involved	78	61	32
Unrestrained Occupant	81	74	43
Young Driver Involved (~25%)	91	72	35
Older Driver Involved	56	64	37
Male Driver Involved (~80%)	224	239	146
Female Driver Involved (~55%)	159	151	103
Bike/Ped Involved	27	30	27
Motorcyclist	35	41	30
Large Vehicle	17	15	8

3-year Intersection Severe Injury Trend – by Crash Factor

(continued)

	2012	2013	2014
Fatalities	17	27	20
Serious Injuries	273	250	168
Severe Injuries	290	277	188
Rural Crash (~55%)	157	154	103
Urban Crash (~45%)	133	123	85
June, July, and August	84	105	57
Friday, Saturday, and Sunday (~41%)	118	122	74
Nighttime	75	62	41
Shoulder Width less than 4 feet	85	109	62
More than 2 lane roadway	95	81	47
Speed as a Factor	35	37	23

Impaired Driver Involved



Impaired Driver Involved Fatalities & Serious Injuries	554	597	545	493	452	407	404	498	469	411
5 Year Average	565	567	556	547	529	501	463	454	449	438
Fatalities	118	112	125	95	133	107	114	127	136	117
Serious Injuries	436	485	420	398	319	300	290	371	333	294

Montana Comprehensive Highway Safety Plan
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3-year Impaired Driver Involved Severe Injury Trend – by Crash Factor

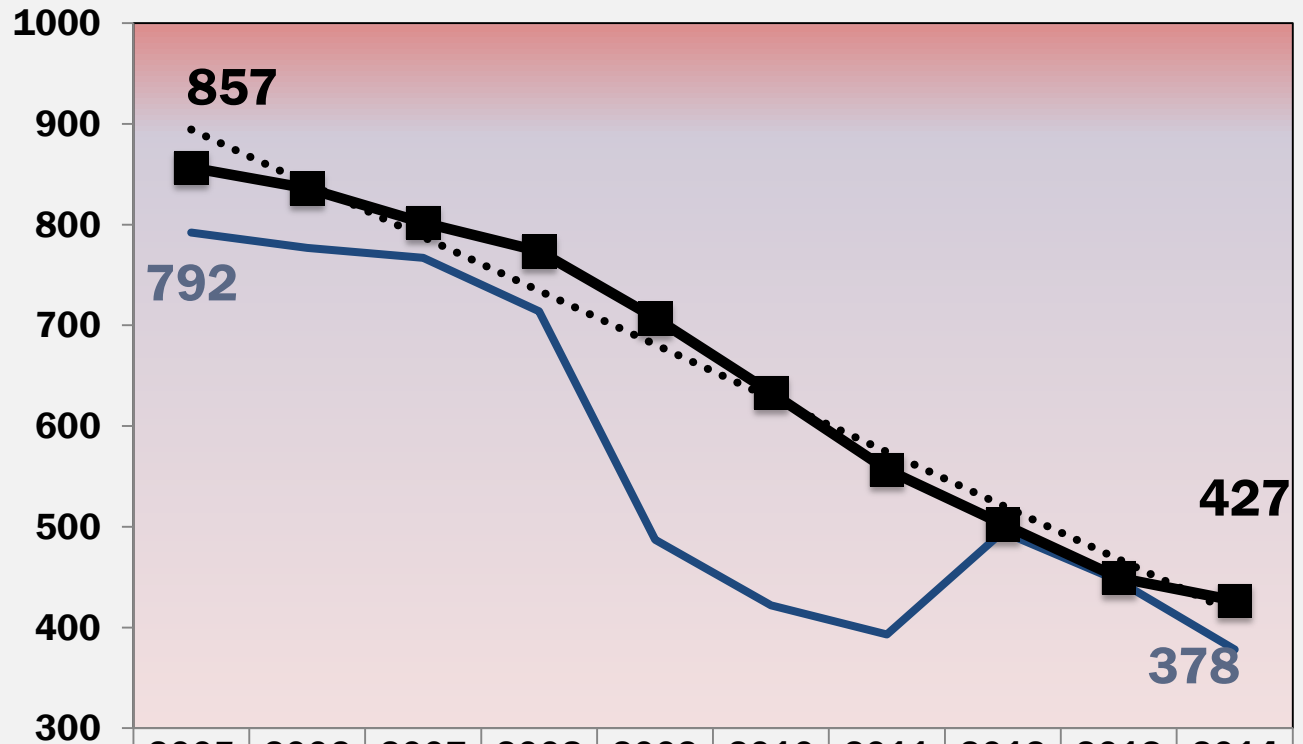
	2012	2013	2014
Fatalities	127	136	117
Serious Injuries	371	333	294
Severe Injuries	498	469	411
Roadway Departure Crash (~71%)	367	325	293
Intersection Crash	78	61	32
Unrestrained Occupant (~14%)	278	254	220
Young Driver Involved	86	74	45
Older Driver Involved	34	43	37
Male Driver Involved (~79%)	381	380	324
Female Driver Involved	151	142	128
Bike/Ped Involved	3	5	1
Motorcyclist	36	48	47
Large Vehicle	11	22	23

3-year Impaired Driver Involved Severe Injury Trend – by Crash Factor

(continued)

	2012	2013	2014
Fatalities	127	136	117
Serious Injuries	371	333	294
Severe Injuries	498	469	411
Rural Crash (~89%)	439	417	367
Urban Crash	59	52	44
June, July, and August (~35%)	159	168	152
Friday, Saturday, and Sunday (~60%)	307	274	244
Nighttime (~56%)	282	279	210
Shoulder Width less than 4 feet	216	234	199
More than 2 lane roadway	103	101	51
Speed as a Factor	127	97	89

Unrestrained Occupants



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
— Unrestrained Occupant Fatalities & Serious Injuries	792	777	767	714	487	422	393	495	446	378
■ 5 Year Average	857	836	802	774	707	633	557	503	449	427
Fatalities	148	149	158	124	107	93	118	117	109	103
Serious Injuries	644	628	609	590	380	329	275	378	337	275

3-year Unrestrained Occupant Severe Injury Trend – by Crash Factor

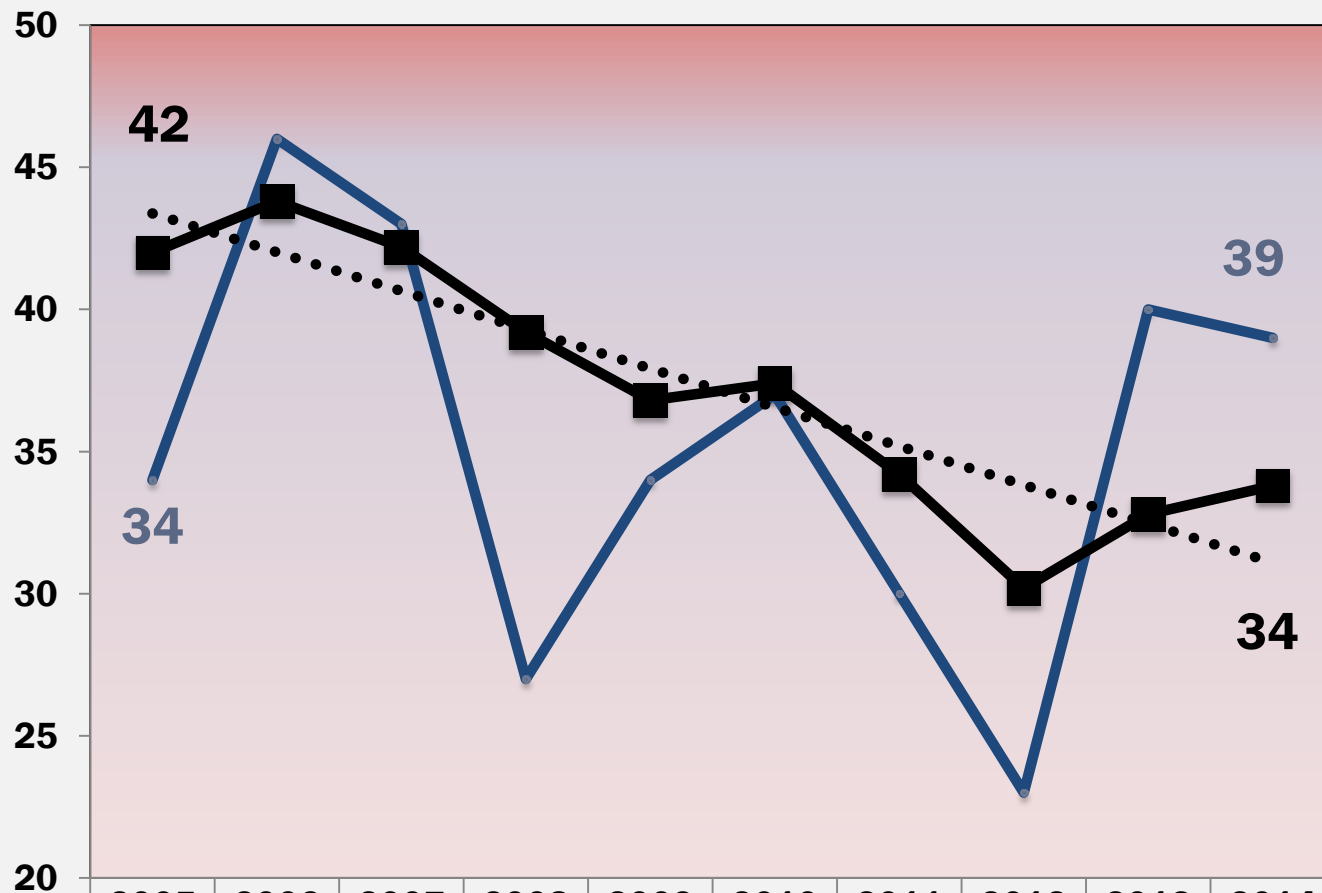
	2012	2013	2014
Fatalities	117	109	103
Serious Injuries	378	337	275
Severe Injuries	495	446	378
Roadway Departure Crash (~72%)	373	316	270
Intersection Crash	81	74	43
Impaired Driver Involved (~57%)	278	254	220
Young Driver Involved	102	89	64
Older Driver Involved	40	44	43
Male Driver Involved (~76%)	367	351	281
Female Driver Involved	170	142	135
Large Vehicle	24	28	24

3-year Unrestrained Occupant Severe Injury Trend – by Crash Factor

(continued)

	2012	2013	2014
Fatalities	117	109	103
Serious Injuries	378	337	275
Severe Injuries	495	446	378
Rural Crash (~87%)	435	400	318
Urban Crash	60	46	60
June, July, and August (~32%)	159	142	130
Friday, Saturday, and Sunday (~52%)	266	230	193
Nighttime (~45%)	207	215	167
Shoulder Width less than 4 feet	211	187	174
More than 2 lane roadway	122	134	51
Speed as a Factor	119	92	91

Native American Fatalities

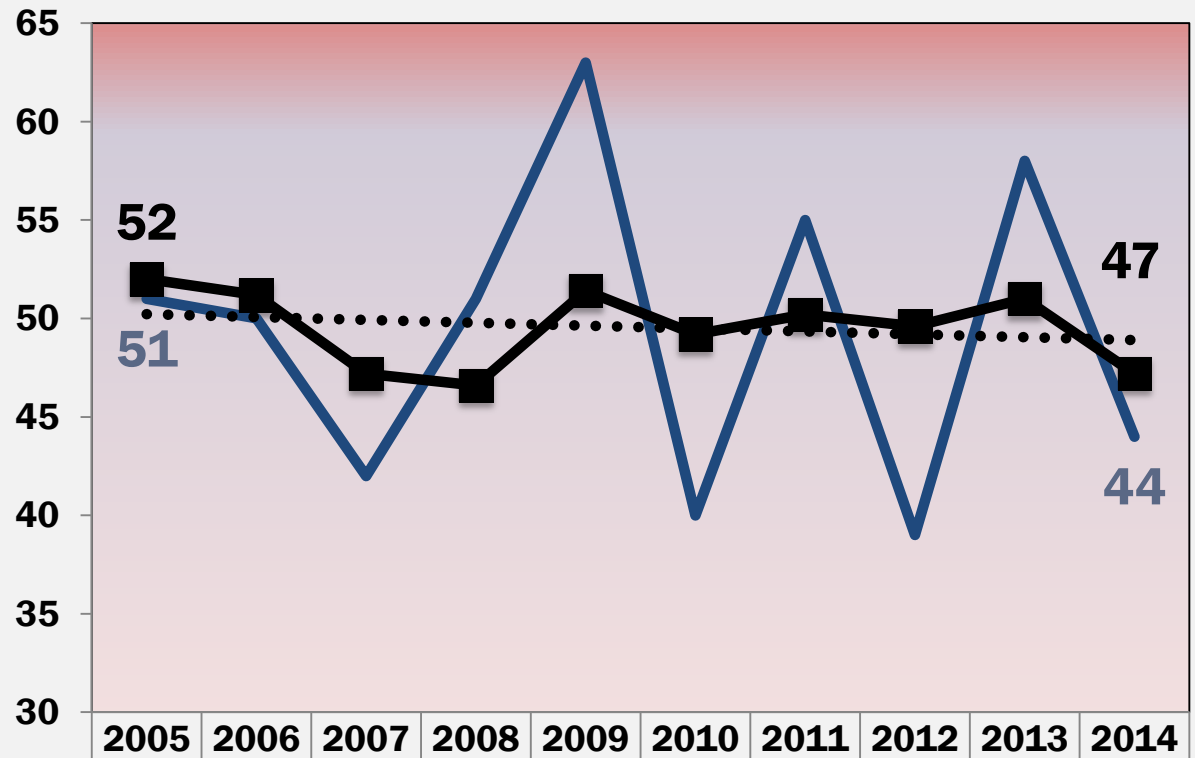


Native American Fatalities	34	46	43	27	34	37	30	23	40	39
5 Year Average	42	44	42	39	37	37	34	30	33	34

Montana Comprehensive Highway Safety Plan
2015-2020

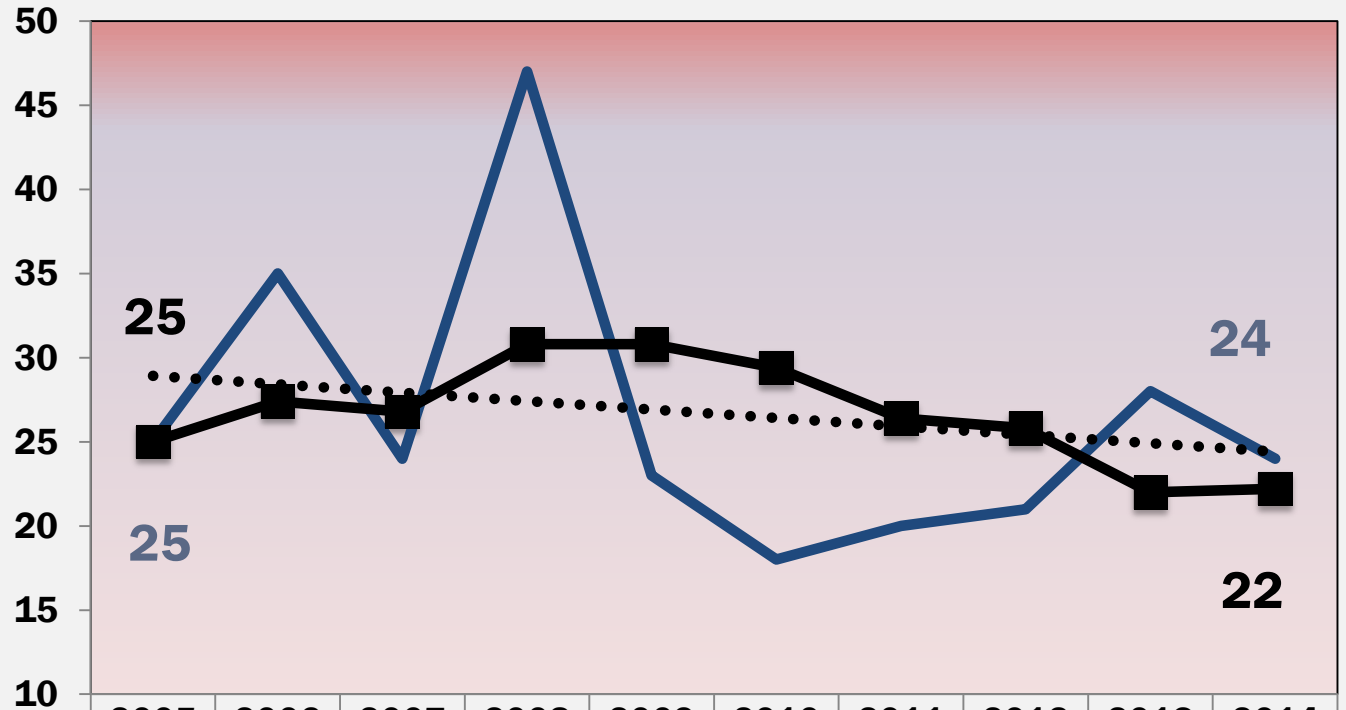
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Pedestrians



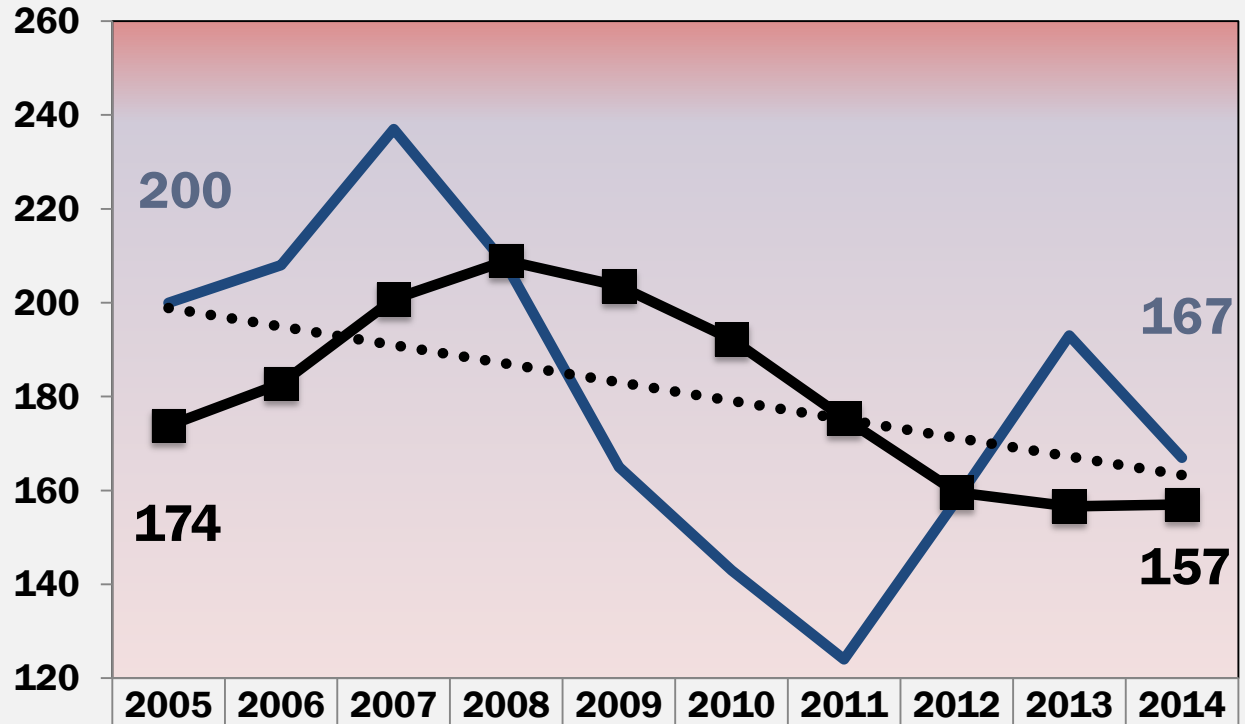
— Pedestrian fatalities and serious injuries	51	50	42	51	63	40	55	39	58	44
■ 5 Year Average	52	51	47	47	51	49	50	50	51	47
Fatalities	13	12	15	11	15	8	15	11	24	9
Serious Injuries	38	38	27	40	48	32	40	28	34	35

Bicyclists



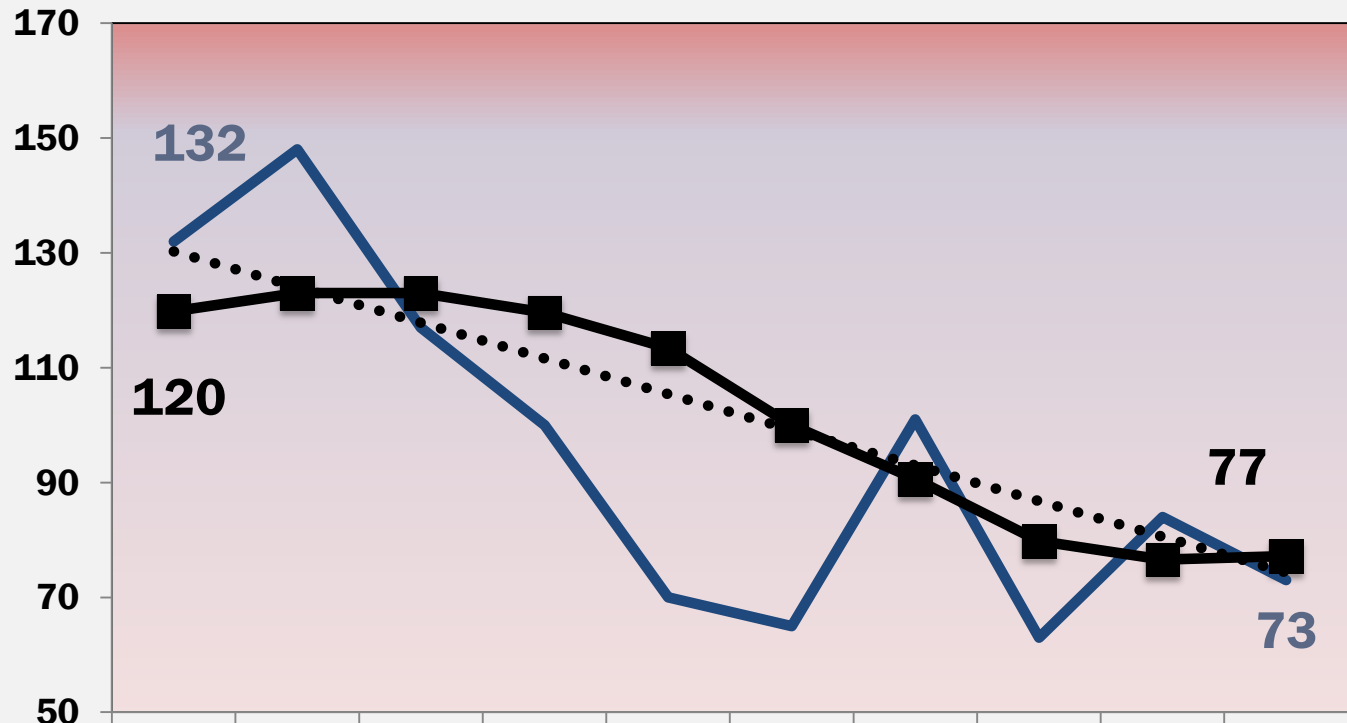
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
— bicyclist fatalities and serious injuries	25	35	24	47	23	18	20	21	28	24
■ 5 Year Average	25	27	27	31	31	29	26	26	22	22
Fatalities	2	2	4	3	1	0	1	1	1	2
Serious Injuries	23	33	20	44	22	18	19	20	27	22

Motorcyclists



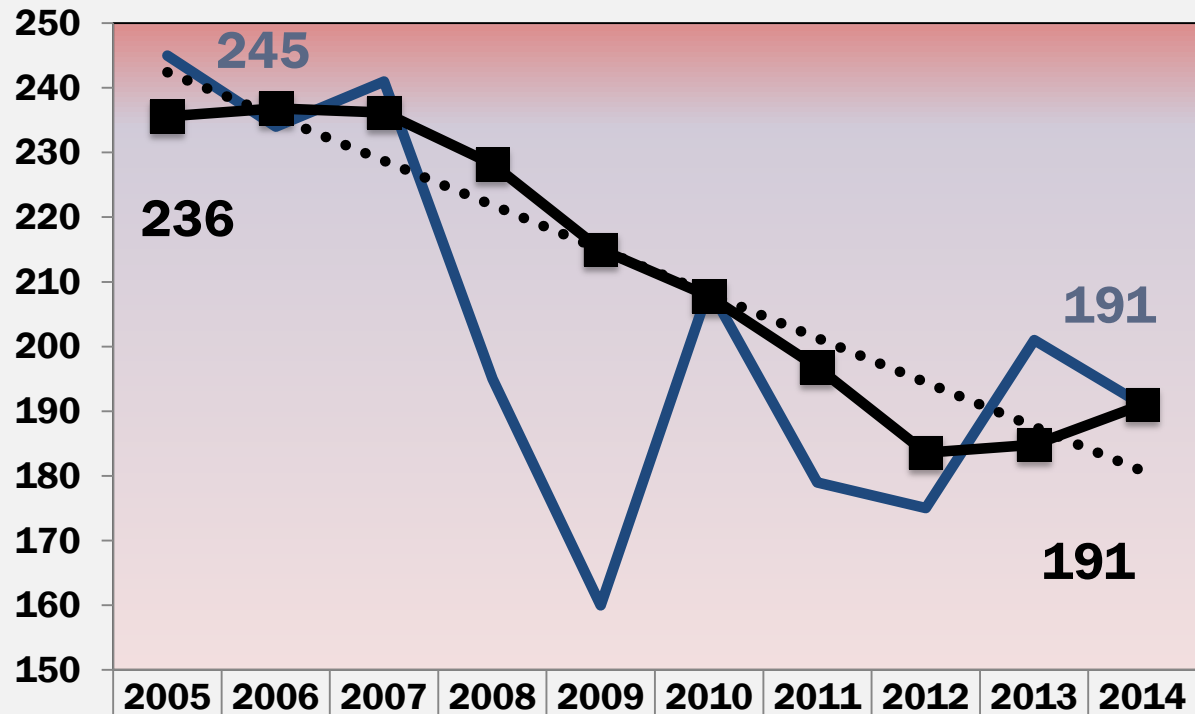
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
— Motorcyclist Fatalities & Serious Injuries	200	208	237	208	165	143	124	158	193	167
■ 5 Year Average	174	183	201	209	204	192	175	160	157	157
Fatalities	28	26	36	36	26	25	20	30	34	23
Serious Injuries	172	182	201	172	139	118	104	128	159	144

Large Vehicles Involved



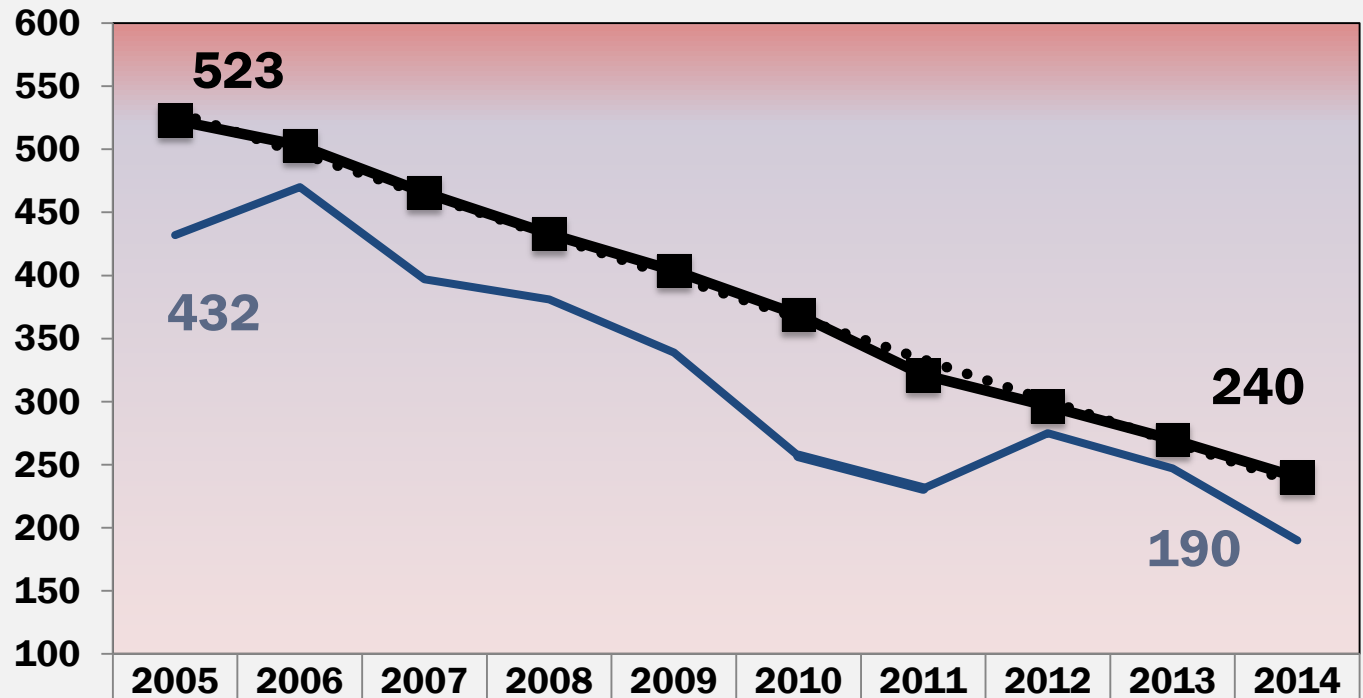
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Large Vehicle - Fatalities and Serious Injuries	132	148	117	100	70	65	101	63	84	73
5 Year Average	120	123	123	120	113	100	91	80	77	77
Fatalities	22	33	34	25	27	18	32	11	21	14
Serious Injuries	110	115	83	75	43	47	69	52	63	59

Older Driver Involved



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Driver Age 65 and Older Involved - Fatalities and Serious Injuries	245	234	241	195	160	209	179	175	201	191
5 Year Average	236	237	236	228	215	208	197	184	185	191
Fatalities	38	44	39	31	37	41	40	26	51	32
Serious Injuries	207	190	202	164	123	168	139	149	150	159

Young Driver Involved



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Driver Age 20 and Younger Involved Fatalities & Serious Injuries	432	470	397	381	339	257	231	275	247	190
5 Year Average	523	503	466	433	404	369	321	297	270	240
Fatalities	36	44	38	37	42	41	29	29	26	27
Serious Injuries	396	426	359	344	297	216	202	246	221	163

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About this Program

One life lost is one too many.

"The Department of Transportation and our partners are united in our mission to save lives on Montana roads."

—Mike Tooley, MDT Director

Safer Roads
Ensuring that Montana's state roads and highways are built and maintained with safety as the first concern.
[Explore this](#)

DRIVE SAFELY
There were 192 fatalities in 2014. There have been **179** fatalities on Montana highways in 2015 compared to **160** fatalities for this same time in 2014.
[Explore this](#)

Safer People
We can't do this without the complete support of every Montanan. Together, we can save lives.
[Explore this](#)

Plans & Programs
The resources our partners need as we aim Montana toward zero deaths and injuries on our highways.
[Explore this](#)

Crash Data
Crash data is available by county, city, and reservation.
[Explore this](#)

Grants
MDT administers federal grant monies for safety programs aimed at reducing deaths, injuries, and property losses resulting from traffic crashes.
[Explore this](#)

Data & Statistics : <http://www.mdt.mt.gov/publications/datastats/crashdata.shtml>

