

OCTOBER | 2025

Traffic Crashes in Southeast Michigan, 2024

Under the guidance of the Southeast Michigan Transportation Safety Task Force, SEMCOG, the Southeast Michigan Council of Governments, developed the Southeast Michigan Transportation Safety Plan, using the Safe System Approach to address safety issues in the region. The primary elements of the Safe System Approach are:

- safer people
- safer roads
- safer vehicles
- safer speeds
- post-crash care

With data from 2024, SEMCOG provides this annual Quick Facts report with updated 10-year trend information and analyses on traffic crashes, fatalities, serious injuries, and various emphasis areas identified in the Transportation Safety Plan. Crash data from the Michigan State Police, Criminal Justice Information Center (CJIC), is used to update various safety resources on SEMCOG's Safety and Security page.

Crash factors identified as priority emphasis areas for the region include (highest-to-lowest by number of fatalities):

- lane departures
- impaired drivers (alcohol and drugs)
- intersections
- pedestrians
- motorcyclists
- unbelted occupants
- speeding
- bicyclists

The Transportation Safety Plan includes actions and strategies for addressing these emphasis areas, and 10-year data tables for additional emphasis areas are included at the end of this report:

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	10-Year Trend
Total Number of Crashes and Injuries											
Crashes	138,710	145,510	145,427	144,104	141,390	105,485	124,631	128,821	131,448	129,583	
Fatalities	387	430	369	356	364	452	426	450	388	402	
Serious Injuries	1,913	2,076	2,235	2,069	2,031	2,036	2,309	2,189	2,276	2,211	
Rate per 100 Million VMT											
Crashes	312.50	326.39	321.48	315.06	309.39	281.82	297.06	307.44	306.27	302.65	
Fatality Rate	0.87	0.96	0.82	0.78	0.80	1.21	1.02	1.07	0.90	0.94	
Serious Injury Rate	4.31	4.66	4.94	4.52	4.44	5.44	5.50	5.22	5.30	5.16	

NOTE: In the following sections of summary analysis, graphs show only the number of fatalities and serious injuries for each individual emphasis area dating back to 2020. This reflects both the five-year rolling average that is used in SEMCOG’s technical analysis and the primary emphasis on saving lives. To view full 10-year tables for crashes, fatalities, and serious injuries under each emphasis area (older drivers (65 and over), younger drivers (15-20), commercial vehicles, red-light running, distracted drivers, work zones, driveway-related, secondary, emergency vehicles, school buses, trains, and deer) like the ones shown above, see the end of this report.

SUMMARY ANALYSIS

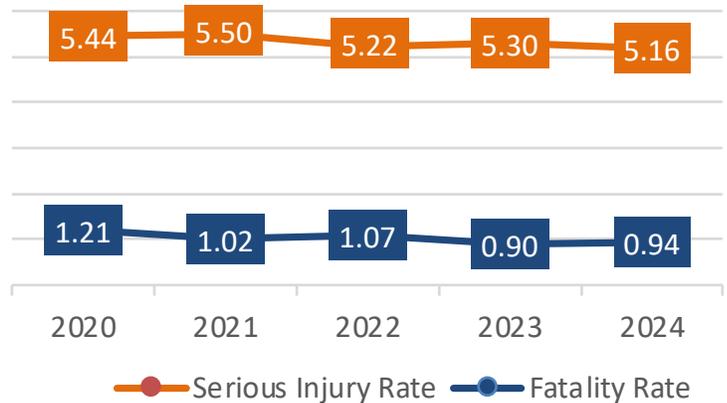
Southeast Michigan Traffic Crashes

- The number of traffic crashes in Southeast Michigan decreased for the first time since 2020, down 1.4% in 2024 compared to 2023.
- The number of fatalities increased by 14 people compared to 2023 but rose 4% from the 2015 total. It is the fifth-highest fatality total of the decade.
- Total serious injuries decreased 3% from 2023, but it was the third-highest total of the last 10 years.



Fatality and serious injury rates remain high

- The SEMCOG region’s crash rates generally follow the State of Michigan’s.
- 303 crashes per 100 million vehicle miles traveled (VMT) is lower than pre-pandemic levels. It has decreased by 3.62 crashes per 100 million VMT compared to the prior year.
- The fatality rate has increased by 0.04, up to 0.94 fatalities per 100 million VMT, which is also the 10-year average.
- The region’s serious injury rate has decreased in the past year, but it is still higher than pre-pandemic levels.



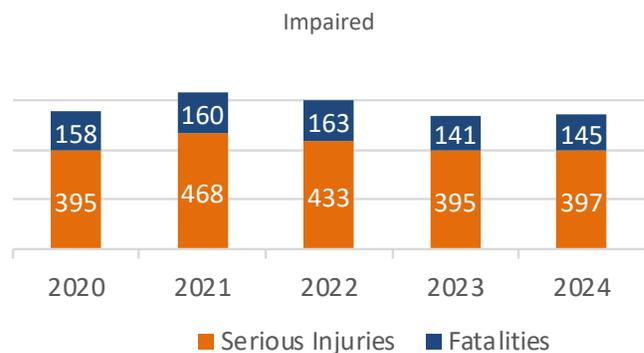
Lane departure crashes are the top factor in fatalities

- The number of crashes involving lane departure continues to decrease, with 2024’s total the second-lowest in the past 10 years.
- However, the number of fatalities (155) increased 14% compared to last year, making lane departure the top factor for crash fatalities in the region in 2024.
- The number of serious injuries decreased 8% compared to 2023, but it is still 6% higher than 2015.
- Crashes involving lane departure accounted for 39% of total fatalities and 26% of total serious injuries, which continues recent trends.



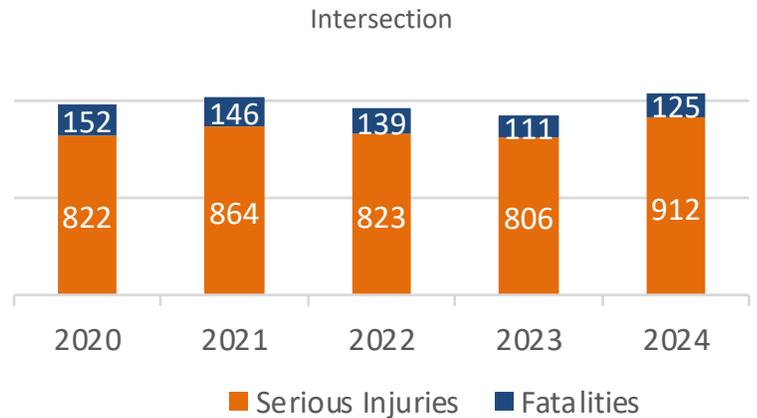
Impaired crash severity remains high

- Crashes involving alcohol- or drug impairment have decreased for the third year in row, reaching another 10-year low.
- Impairment-involved fatalities increased 3% compared to 2023 and account for 36% of all fatalities in 2024.
- Serious injuries saw a slight increase of 0.5%.



Intersections are the most common crash factor

- Intersection crashes increased by 3% compared to 2023; the total remains lower than the 10 years prior.
- Fatalities increased for the first time since 2020, up 13% from 2023 and up 15% from 2015.
- Serious injuries also increased 13% from 2023 and are at a 10-year high (912).
- These crashes account for 31% of all traffic fatalities and 41% of serious injuries, the highest combined share of any emphasis area.



Pedestrian fatalities and serious injuries drop

- Crashes involving pedestrians have decreased for the first time in 4 years and are 10% lower than 10 years ago.
- Pedestrian fatalities decreased 20% from 2023, the second-lowest in the last 10 years.
- Serious injuries also decreased, down 0.4% from 2023, but still 15% higher than in 2015.
- In 2024, pedestrians were involved in less than 1% of all traffic crashes but accounted for 19% of all traffic fatalities in Southeast Michigan.



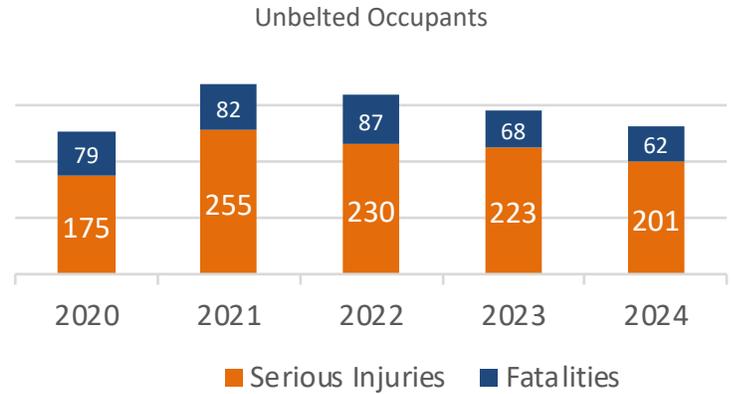
Motorcycle crash severity on the rise

- Crashes involving motorcyclists increased 6% compared to 2023.
- Motorcyclist fatalities increased 25% with 71 fatalities, the highest total since 2015.
- Serious injuries increased only 2% from 2023 but are up 81% from 10 years prior.
- Similar to pedestrian-related crashes, only 1% of all crashes involved motorcycles in 2024, but motorcyclists accounted for 18% of all fatalities and 13% of all serious injuries within the region.



Crashes still on the rise for unbelted occupants

- Crashes involving people not using a seatbelt or proper child restraint increased 1% compared to 2023 but are down 6% compared to 2015.
- Fatalities decreased for a second time in 4 years, with a fall of 9%.
- Serious injuries decreased for a third year, down 10% from 2023.
- While less than 2% of crashes involved unbelted vehicle occupants, those occupants accounted for 15% of all traffic fatalities and 9% of all serious injuries.



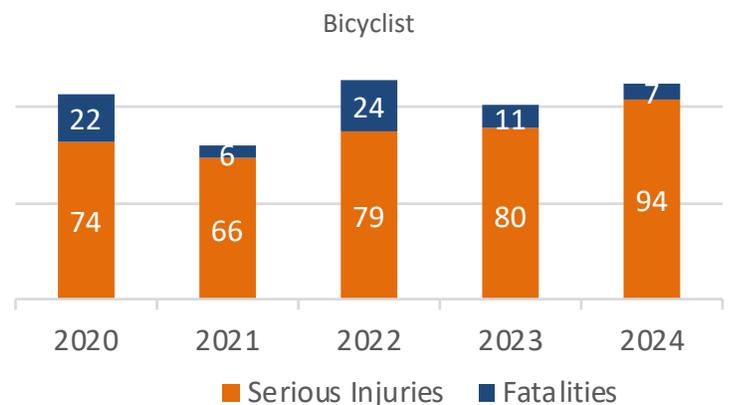
Speeding-involved fatalities and serious injuries decreasing

- Crashes involving drivers whose speed is too fast for the road condition increased slightly compared to the year before with a total of 8,039 crashes, still the second-lowest in the last 10 years.
- Fatalities decreased for the second time since 2022 with 54 fatalities, making it the lowest in the last 10 years.
- Serious injuries decreased for the third year in a row. Despite the 5% decrease compared to the year before, the number of serious injuries remained higher than the average between 2015 and 2019.



Bicyclist fatalities decreased

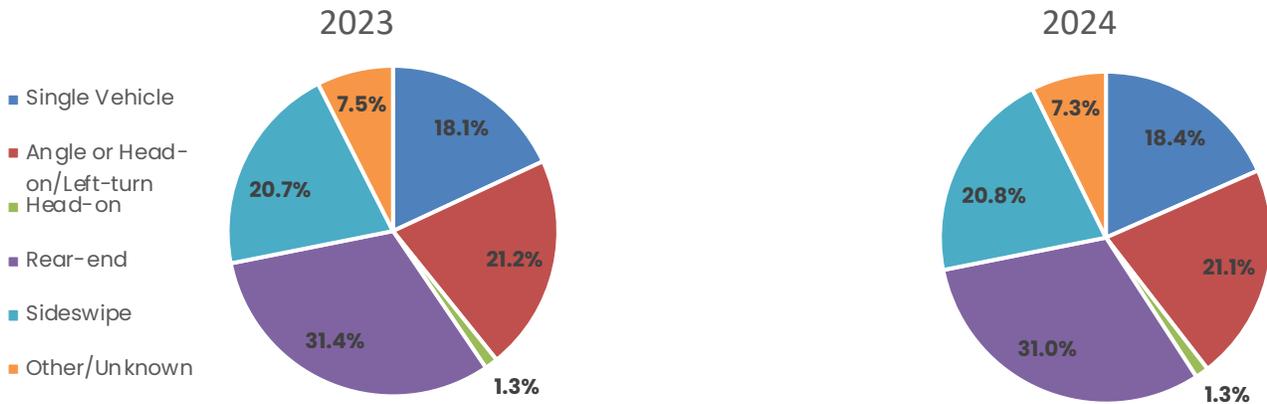
- Crashes involving bicyclists increased for the third consecutive year with a total of 875 crashes in 2024, up 7% from 2023 but still lower than the 10-year average of 827.
- Bicyclist fatalities dropped 36% in 2024 compared to the year before.
- The number of serious injuries increased by 14 people, up 18% from 2023 and up 68% compared to 2015 to a 10-year high of 94.



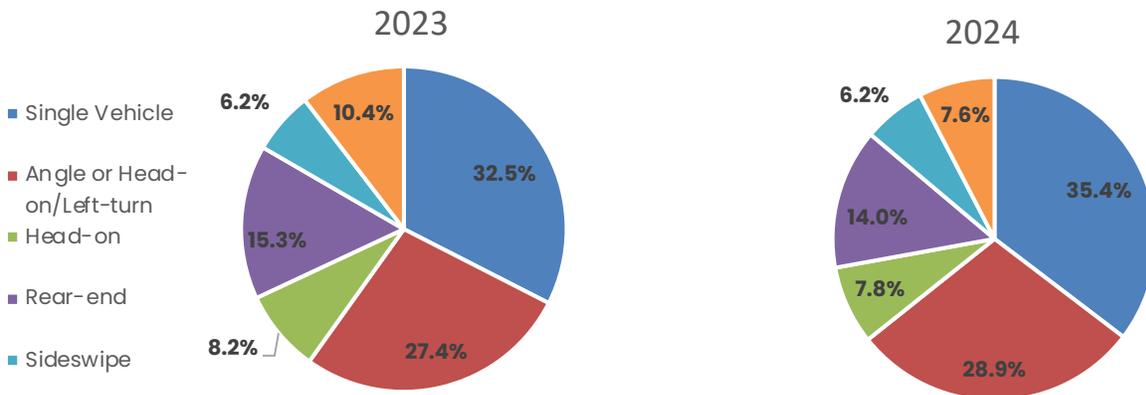
Crash type distribution patterns unchanged

- The distribution by crash type had minimal change when comparing 2024 to 2023 data. Rear-end crashes continue to be the most common, while single-vehicle and angle or head-on/left-turn crashes result in the most traffic fatalities and serious injuries.
- Single vehicle-involved fatalities and serious injuries had the greatest increase of 3% among all the crash types, followed by fatalities caused by angle or head-on/left-turn crashes with a 1.5% increase.

TOTAL CRASHES BY CRASH TYPE



FATALITIES & SERIOUS INJURIES BY CRASH TYPE



	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	10-Year Trend
Total Number of Crashes and Injuries											
Crashes	138,710	145,510	145,427	144,104	141,390	105,485	124,631	128,821	131,448	129,583	
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Serious Injury Rate	4.31	4.66	4.94	4.52	4.44	5.44	5.50	5.22	5.30	5.16	
Lane Departure Crashes											
Crashes	18,660	18,818	18,950	18,559	18,761	16,730	18,410	18,251	17,285	16,987	
Fatalities	131	171	134	130	120	150	150	157	135	155	
Serious Injuries	536	562	621	562	513	556	657	608	620	568	
Impaired Crashes											
Crashes	4,720	4,755	4,745	4,636	4,600	4,328	4,550	4,331	4,095	3,918	
Fatalities	149	170	167	162	151	158	160	163	141	145	
Serious Injuries	386	418	457	403	428	395	468	433	395	397	
Intersection Crashes											
Crashes	46,718	51,379	50,359	48,496	46,478	35,928	41,109	40,316	42,341	43,733	
Fatalities	109	130	113	101	137	152	146	139	111	125	
Serious Injuries	716	885	892	817	829	822	864	823	806	912	
Older (65+) Driver-Involved Crashes											
Crashes	21,436	23,180	23,789	23,924	24,391	16,672	20,997	23,005	24,490	25,133	
Fatalities	62	93	75	75	78	63	57	75	78	84	
Serious Injuries	327	331	328	336	358	270	357	382	417	456	
Pedestrian Crashes*											
Crashes	1,308	1,206	1,226	1,308	1,294	941	979	1,057	1,216	1,180	
Fatalities	103	101	83	81	72	100	96	87	97	78	
Serious Injuries	201	168	221	224	227	179	185	213	232	231	
Motorcycle Crashes*											
Crashes	1,205	1,332	1,192	1,056	1,117	1,192	1,318	1,244	1,224	1,302	
Fatalities	62	57	48	55	48	61	58	64	57	71	
Serious Injuries	160	216	230	225	250	285	307	288	284	289	

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	10-Year Trend
Total Number of Crashes and Injuries											
Unbelted Occupant Crashes*											
Crashes		2,520	2,161	1,997	2,169	1,969	2,169	2,268	2,348	2,378	
Fatalities		73	67	51	71	79	82	87	68	62	
Serious Injuries		215	201	162	193	175	255	230	223	201	
Speeding Crashes											
Crashes	10,354	10,305	10,168	10,307	10,237	8,230	8,522	8,856	7,901	8,039	
Fatalities	59	81	58	62	63	74	79	83	62	54	
Serious Injuries	204	283	238	235	266	274	313	282	260	246	
Younger (15-20) Driver-Involved Crashes											
Crashes	25,801	26,896	26,120	24,220	23,212	17,402	21,476	21,045	21,539	20,775	
Fatalities	60	50	48	35	46	44	70	54	46	48	
Serious Injuries	330	373	385	284	294	336	384	306	322	305	
Commercial Vehicle-Involved Crashes											
Crashes	6,153	6,175	7,009	7,962	7,966	5,790	7,406	8,120	8,301	8,468	
Fatalities	38	38	28	40	39	24	30	34	39	39	
Serious Injuries	112	120	148	145	134	111	137	139	156	125	
Red-Light Running-Involved Crashes											
Crashes	3,730	4,083	4,008	4,043	3,950	3,690	4,258	4,162	4,374	4,430	
Fatalities	18	23	9	19	20	18	16	23	15	32	
Serious Injuries	157	153	139	124	129	161	197	175	160	163	
Distracted Driver Crashes											
Crashes		5,252	9,608	9,140	8,729	6,525	7,675	7,438	7,368	6,852	
Fatalities		14	28	24	19	12	20	31	25	26	
Serious Injuries		127	172	168	134	101	148	142	147	130	
Work Zone Crashes											
Crashes	2,258	2,261	2,460	2,744	3,300	2,194	3,251	4,249	5,211	4,052	
Fatalities	8	6	8	6	7	8	5	11	10	15	
Serious Injuries	30	28	23	24	37	25	32	57	73	55	
Driveway Related Crashes											
Crashes	9,229	8,902	9,108	8,725	8,224	5,655	7,098	7,177	7,199	7,112	
Fatalities	15	10	11	9	11	7	14	17	19	7	
Serious Injuries	62	102	108	91	103	85	103	106	91	104	

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	10-Year Trend
Total Number of Crashes and Injuries											
Bicycle Crashes*											
Crashes	932	1,069	914	814	784	705	665	706	815	875	
Fatalities	14	16	5	9	12	22	6	24	11	7	
Serious Injuries	56	69	89	52	78	74	66	79	80	94	
Secondary Crashes											
Crashes		1,056	1,925	1,820	1,814	1,587	1,791	1,517	1,578	1,518	
Fatalities		6	11	5	7	12	8	7	9	7	
Serious Injuries		21	50	32	46	36	59	53	38	34	
Emergency Vehicle Crashes											
Crashes	1,046	1,014	1,094	1,095	1,046	990	1,026	1,024	1,146	1,133	
Fatalities	3	5	3	1	2	1	2	3	4	4	
Serious Injuries	26	23	25	16	14	13	23	23	21	21	
School Bus Crashes											
Crashes	478	491	525	537	586	213	365	517	503	571	
Fatalities	1	0	0	3	0	0	2	1	4	2	
Serious Injuries	0	1	11	5	6	2	3	6	4	8	
Deer-Involved Crashes											
Crashes	5,871	5,487	5,583	5,958	6,552	6,277	6,441	7,241	7,467	7,343	
Fatalities	1	1	2	1	1	1	0	1	1	0	
Serious Injuries	7	7	8	8	10	13	19	17	6	14	
Train Crashes											
Crashes	19	26	24	45	32	15	28	38	48	27	
Fatalities	0	2	1	0	4	0	1	4	1	0	
Serious Injuries	1	3	1	1	0	3	2	1	5	0	

*only includes the vulnerable road users in the fatality/serious injury counts