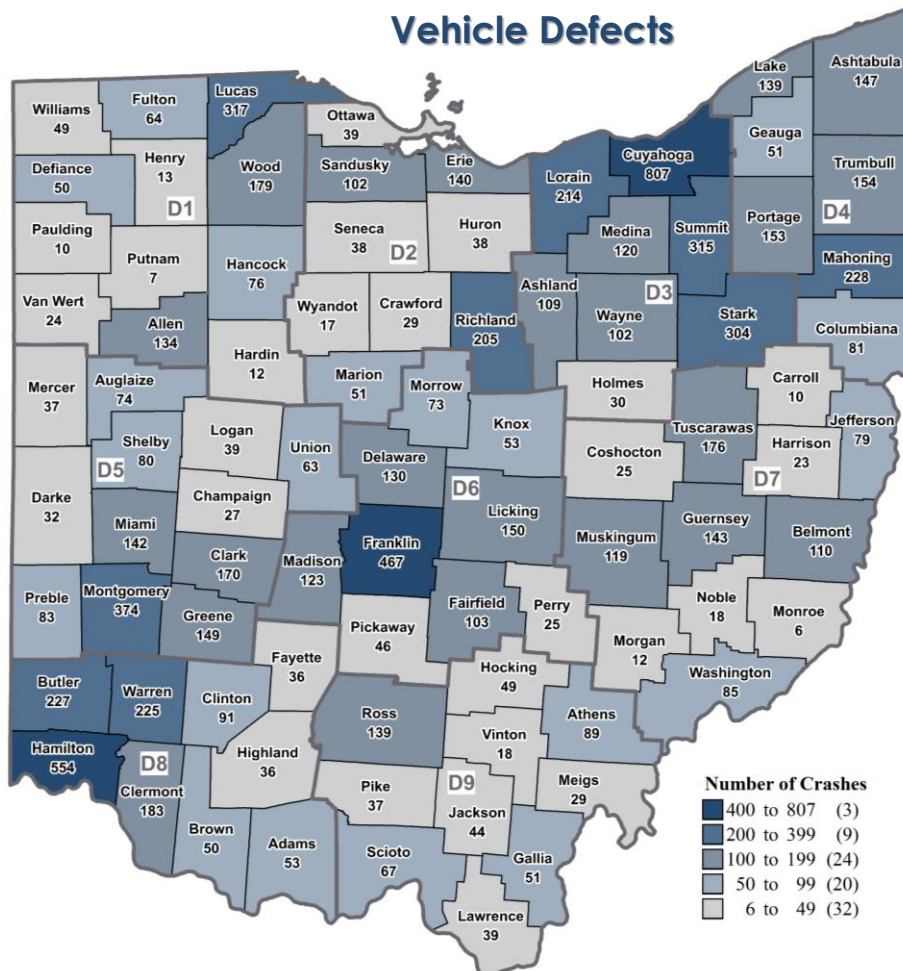




TRAFFIC SAFETY BULLETIN

MARCH 2024

Vehicle Defects



Map and Table:
2019-2023 Vehicle Defect-
Related Crashes

OSHP District	Number of Crashes
District 1	935
District 2	659
District 3	2,001
District 4	953
District 5	1,270
District 6	1,170
District 7	806
District 8	1,455
District 9	562

Total 9,811

Number of Crashes

- 400 to 807 (3)
- 200 to 399 (9)
- 100 to 199 (24)
- 50 to 99 (20)
- 6 to 49 (32)

Ohio Vehicle Defect-Related Crashes¹

- Over the last five years (2019-2023), there have been 9,811 crashes in Ohio that were caused by a vehicle defect. Among these were 46 defect-related fatal crashes that resulted in 54 deaths. Another 2,819 people were injured in such crashes. The 1,736 crashes in 2023 were the fewest vehicle defect crashes over this time period, down 7% from the 2022 total. In fact, defect-related crashes have dropped in each of the past five years.
- Tire blowouts (20%) and brake failures (18%) were most commonly named in defect-related crashes. In fatal defect-related crashes, tire blowouts were the leading cause (28%). Other defects included motor trouble, faulty steering, and headlight/tail light/turn signal issues.
- Older vehicles were involved in nearly half of defect-related crashes from 2019 to 2023. Vehicles from model years 2001-2010 accounted for 47% of the defective vehicles in crashes, while model years 2011-2020 vehicles were involved in 29% of defect-related crashes. Brakes were the most common defect for older vehicles (19%) while tire blowouts caused the most crashes for newer vehicles (26%).

OSHP Vehicle Defect Traffic Stops

- From 2019 to 2023, OSHP troopers made nearly 275,000 traffic stops in which a vehicle defect was found. Common defects would include lights being out (tail lights, brake lights, headlights), window tint being too dark, cracked windshields, and/or missing or expired registration stickers.

¹A vehicle defect crash includes any crash involving one or more vehicles with a contributing circumstance of (18) operating defective equipment.