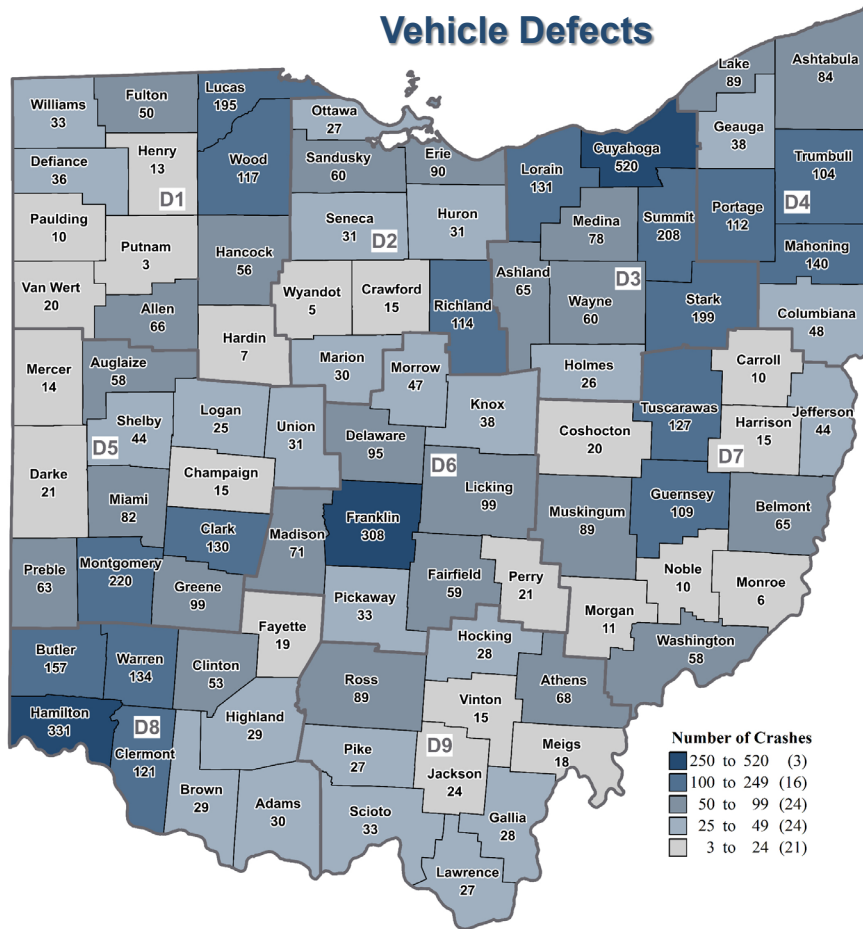


TRAFFIC SAFETY BULLETIN

MARCH 2021



Vehicle Defects



Map and Table:

2018-2020 Vehicle Defect-Related Crashes

OSHP District	Number of Crashes
District 1	606
District 2	403
District 3	1,287
District 4	615
District 5	802
District 6	771
District 7	564
District 8	903
District 9	357

Total 6,308

Ohio Vehicle Defect-Related Crashes¹

- From 2018 to 2020 there were 6,308 crashes in Ohio that were caused by a vehicle defect. Nearly one-in-five (18%) defect-related crashes occurred in just three Ohio Counties (Cuyahoga, Hamilton, and Franklin). Across Ohio, there were 30 defect-related fatal crashes that resulted in 35 deaths. An additional 1,689 people were injured in such crashes. The 1,924 vehicle defect-related crashes in 2020 were the lowest total in at least the last five years.
- Brake failures (20%) and tire blowouts (18%) were the most common issues in defect-related crashes. In fatal defect-related crashes, malfunctioning brakes were responsible for 43% of crashes.
- Not surprisingly, older vehicles were involved in the majority of defect-related crashes from 2018-2020. Vehicles from model years 1999-2008 accounted for 53% of the defective vehicles in crashes. On the other hand, model years 2010-2019 vehicles were involved in 25% of defect-related crashes. Brakes were the most common defect for older vehicles while tire blowouts caused the most crashes for newer vehicles.

OSHP Vehicle Defect Traffic Stops

- From 2018 to 2020, OSHP troopers made 253,216 traffic stops in which a vehicle defect was found. Common defects included 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.