

- Unknown falls accounted for 7 e-bike-related fatalities, but staff does not have sufficient scenario-specific information to determine what caused the falls.

Table 3.4: Reported Fatalities Associated with Micromobility Product Type and Associated Hazards (2017–2021 Total)

Hazard Pattern	All Micromobility	E-Scooter (Dockless/rental)	Hoverboard	E-bike
Motor vehicle accident	78	49 (12)	2	27
User-control	21	9 (2)	0	12
Fire hazards	6	2	4	0
Pedestrian accident	8	2	0	6
Pavement	1	0	0	1
Other	2	2	0	0
Unspecified falls	13	4	2	7
Total	129	68 (14)	8	53

Note: Reporting for 2020-2021 is ongoing. Counts may change in future reports.
 Source: CPSRMS, NEISS, U.S. Consumer Product Safety Commission, 2017-2021.

IV. Hazard Patterns Based on In-Depth Investigation Review

Given that the narratives available in NEISS focus on the injury sustained rather than on the circumstances leading to the injury, and the death reports only cover the fatalities reported, CPSC staff evaluated the available in-depth investigations for a more comprehensive look at how incidents happened. Based on reports of incidents in CPSRMS that occurred between 2017 and 2021, CPSC Field staff completed 204 follow-up in-depth investigations related to all micromobility products. The 204 follow-up in-depth investigations include 7 fatalities that have been discussed in the fatality section above. Of the 204 completed investigations, 48 involved an e-scooter (32 of the 48 were dockless/rental e-scooters); 145 involved a hoverboard; and 11 involved an e-bike. This does not necessarily reflect the current prevalence of incidents related to micromobility products in the CPSRMS database. Staff initiated many more in-depth investigations that could not be completed due to product unavailability or unwillingness of consumer(s) to cooperate and provide product and injury information. Data collection is ongoing, and staff expects the numbers to change in future reports. Staff discusses the types of products and the reported hazards associated with each from the 204 investigations below.

E-Scooters (Including Dockless/Rental E-Scooters)

Of the 48 e-scooter-related incidents that were investigated, 32 were dockless e-scooters. Staff’s review of the 48 in-depth investigations shows the following hazards¹⁵:

¹⁵ Based on newly available information, one e-scooter incident that was included in the previously published annual report was deemed out of scope and is excluded in this report.

