

E-Bike & E-Scooter Crash Scenes for **FIRST RESPONDERS**

First responders are often the first on the crash scene. With more e-bikes and e-scooters on the road, be prepared for the risks. Take safety measures to reduce injuries.



Assess the VICTIM & VEHICLE

Determine if the victim needs medical assistance. If the battery has signs of damage, such as leakage, swelling, or unusual odor, contact the fire department right away. Move away from the vehicle.

COMMON INJURIES

- Head injuries can be serious if a helmet is not worn
- Upper extremity injuries are often due to attempts to break the fall
- Lower extremity injuries, fractures, and soft tissue injuries are from impacts with the ground or vehicles



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BATTERY HAZARDS

- Establish a safety zone, move people away from the vehicle, and call the fire department if there is battery damage.
- E-Bikes and e-scooters are often powered by lithium-ion batteries. These can spontaneously overheat and catch fire during or after a crash.

FIRE SAFETY

- Fires from damaged lithium-ion batteries may spread rapidly. Look for smoke or flames.
- Conventional “ABC” portable fire extinguishers will not work on lithium-ion battery fires.

PERSONAL PROTECTIVE EQUIPMENT

- Take respiratory precautions. Damaged batteries can give off toxic flammable gas.
- Use self-contained breathing apparatus or refer to your department’s protocols.
- Fire department or an experienced Hazardous Materials Team should perform post-incident mitigation. Battery packs should not be handled by EMS after a crash.



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Funded by the National Highway Traffic Safety Administration with a grant from the New York State Governor’s Traffic Safety Committee