

## *Hazardous Material (HM)*

The 'HM Release' report presents statistics for fatal, non-fatal, injury and tow-away crash events for large trucks and buses with hazardous material placarding. At the scene of the crash it is determined if the vehicle was HM Placarded and this information is captured on the State crash report. HM is any substance or material which has been determined by the U.S. Secretary of Transportation to be capable of posing an unreasonable risk to health, safety, and property when transported in commerce and which has been so designated under regulations of the U.S. Department of Transportation. Most vehicles carrying HM are required by law to conspicuously display a placard indicating the class, type or the specific name of the HM cargo. In addition, vehicles transporting HM in tank cars, cargo tanks or portable tanks are required to display the 4-digit hazardous materials number assigned for the specific material on placards or orange panels. The MCMIS crash data indicates if HM was released from the cargo tank or compartment of the large truck or bus. Fuel spilled from the vehicle fuel tank is not counted, even though it is a HM.

**Reportable crash:** A crash is reported to FMCSA if it involves a truck, bus or any vehicle displaying a hazardous materials placard AND that vehicle is involved in a crash while operating on a roadway customarily open to the public, which results in a fatality, an injury or a towaway.

### Filter Options

Filter	Description
<b>Data Source</b>	<p>The Crash Statistics module provides users an ability to view crash data reports either from MCMIS or FARS.</p> <ol style="list-style-type: none"> <li>1) MCMIS includes crashes involving trucks and buses that are reported by states to the FMCSA through the SAFETYNET computer reporting system. It includes data elements collected on trucks and buses that meet the NGA recommended crash threshold. The FMCSA operates and maintains the MCMIS.</li> <li>2) FARS is a census of crashes involving any motor vehicle on a trafficway, but only includes fatal crashes. FARS is maintained by the National Highway Traffic Safety Administration (NHTSA).</li> </ol>
<b>Domicile</b>	<p>By default, the domicile filter is set to 'All Domiciles'. The following options are available:</p> <ol style="list-style-type: none"> <li>1) All domiciles includes all carriers domiciled in the United States, Mexico, Canada, and some foreign countries.</li> <li>2) United States includes carriers domiciled in the United States.</li> <li>3) Mexico includes carriers domiciled in Mexico.</li> <li>4) Canada includes carriers domiciled in Canada.</li> </ol>
<b>Vehicle Type</b>	<p>By default, the vehicle type filter is set to 'Large Trucks &amp; Buses'. The following options are available:</p> <ol style="list-style-type: none"> <li>1) Large Trucks &amp; Buses include all trucks and buses.</li> <li>2) Large Trucks include all vehicles designed, used, or maintained primarily for carrying property, with a gross vehicle weight rating or gross combination weight rating of more than 10,000 pounds, or any vehicle displaying a hazardous materials placard.</li> <li>3) Buses are vehicles designed to transport nine or more people, including the driver.</li> </ol>
<b>Report Focus</b>	<p>By default, the report focus filter is set to "All States". The following options are available:</p> <ol style="list-style-type: none"> <li>1) All States includes all States and the U.S. territories.</li> <li>2) National is a summary of all States data and the U.S. territories.</li> <li>3) State includes one State's data.</li> </ol>
<b>Time Period</b>	The Calendar or Fiscal year when the crash events occurred.
<b>Crash Type</b>	<p>By default, the filter is set to 'All Crashes'.</p> <ol style="list-style-type: none"> <li>1) All Crashes include fatal and non-fatal crash involvements.</li> <li>2) Fatal Crashes include crash events where one or more persons dies within 30 days of the crash. The fatality does not have to occur at the scene of the crash. It includes any person involved in the crash, including pedestrians and bicyclists, as well as occupants of the passenger cars.</li> <li>3) Injury Crashes include crash events that resulted in at least one injury involving immediate medical attention away from the crash scene.</li> <li>4) Towaway Crashes include crash events where at least one vehicle incurred disabling damage as a result of the crash and was towed from the crash scene.</li> </ol>

### Column / Row Descriptions

Column Name	Description
HM Placard Not Present	An HM placard was not on the vehicle.
HM Placard Present	An HM placard was on the vehicle.
Cargo Release: No	Indicates no HM was released from the cargo tank or cargo compartment of the vehicle.
Cargo Release: Yes	Indicates that HM was released from the cargo tank or cargo compartment of the vehicle (not fuel spilled)
Corrosives	Battery acid
Explosives	Dynamite, military explosives
Flammable Liquid	Gasoline, fuel oil
Flammable Solids	Steno
Gases	Propane, anhydrous ammonia
Miscellaneous Dangerous Goods	Hazardous waste that doesn't fit in other categories
Oxidizing Substances	Ammonium nitrate
Poison & Infectious Substances	Laboratory waste
Radioactive Material	Spent nuclear fuel
Missing	All 'missing' represent a blank data field in the dataset.
Cargo Release: Missing	All 'missing' represent a blank data field in the dataset.
No Placard Information / Not Applicable	No placard information available in the dataset.