

5C. Safety Performance Measures

BACKGROUND

The Federal Highway Administration requires an annual submission of safety performance measures by state department of transportation and metropolitan planning organizations. The five federal safety performance measures are listed below.

1. Number of fatalities
2. Rate of fatalities (per 100 million vehicle miles traveled (VMT))
3. Number of serious injuries
4. Rate of serious injuries (per 100 million vehicle miles traveled)
5. Number of non-motorized fatalities and serious injuries (pedestrians and bicyclists).

The Houston-Galveston Area Council uses a methodology of a five-year rolling average to determine safety performance measures. The data used to determine the measurements are derived from the Fatality Analysis Reporting System (FARS) and the Texas Department of Transportation (TxDOT) Crash Record Information System (CRIS) data.

CURRENT SITUATION

The table below shows the H-GAC safety performance measures:

Year	2019	2020	2021	2022	2023	Five Year Average
Number of Fatalities	641	717	849	839	779	765
Per 100 million VMT	619.37	563.35	586.2	594.6	692.2	
Rate of Fatalities	1.03	1.27	1.45	1.41	1.13	1.25
Number of Serious Injuries	3,260	3,416	4,377	4,264	4,239	3911
Rate of Serious Injuries per 100 million VMT	5.26	6.06	7.47	7.17	6.13	6.41
Number of Non-motorized Fatalities and Non-motorized Serious Injuries	716	629	787	806	883	764

Data for 2023 was generated on 01/11/2024 from CRIS.

ACTION REQUESTED

Transportation Advisory Committee recommend approval to Transportation Policy Council