

# Crash rate by BASIC in status

2x National Average (6.86)

This graph provides results from the SMS ET model, which was used to assess the effectiveness of the proposed enhancements. For each BASIC, the graph shows the overall crash rate of truck and bus companies prioritized by FMCSA for intervention in that BASIC. These crash rates were calculated on a national scale and do not indicate or predict a crash rate of an individual carrier. The crash rate is the number of crashes per 100 trucks and buses.

An example: motor carriers included in the updated SMS ET with a Vehicle Maintenance BASIC in  status had an average crash rate of 5.67 crashes per 100 trucks and buses.

Crash Rate

National Average (3.43)

Zero BASICs in  status (2.74)

Zero Crashes



3.03

Driver  
Fitness



4.18

Hazardous  
Materials  
Compliance



5.15

Controlled  
Substances/  
Alcohol



5.67

Vehicle  
Maintenance



6.29

Hours  
-of-  
Service  
Compliance



6.50

Crash  
Indicator



6.63

Unsafe  
Driving

Specific BASIC at or above the threshold and/or with investigation violations, including Serious Violations e.g., Acute and Critical Violations