

**ANALYZING IMPACT OF POLICE RESPONSE TIME IN THE CLEARANCE AND  
DURATION OF TRAFFIC CRASHES IN TENNESSEE**

This study investigates the critical aspect of police response time in traffic crashes, emphasizing the importance of efficient and timely law enforcement responses in reducing risks, ensuring public safety, and minimizing the severity of crash consequences. Utilizing data from the Tennessee Department of Transportation provided by the Tennessee Highway Patrol, the research analyzes factors influencing police response times and their impact on traffic crash outcomes. These factors include crash severity, cause, location, timing, vehicle type, lane blockage, weather conditions, and incident duration. The findings offer valuable insights for optimizing emergency services and developing strategies for prompt and effective responses to traffic-related incidents. This research is instrumental for policymakers, law enforcement agencies, and researchers in enhancing emergency response systems and improving public safety on roadways.