

JOURNAL OF ADVANCE SCIENCE & EMERGING TECHNOLOGIES
ANALYSIS OF ROAD TRANSPORT INCIDENTS RELATED TO
PEDESTRIAN HITTING

Hamrokulov Rasuljon Madraimovich

Tashkent state transport university

Annotation: *This article presents the causes of road traffic accidents related to hitting a pedestrian, types of hitting a pedestrian and analysis.*

Keywords: *pedestrian, traffic accident, vehicle, driver, state, goals.*

In recent years in the Republic of Uzbekistan, a number of decisions aimed at ensuring road safety, preventing road traffic accidents, and reducing the number of dead and injured people have been adopted by the Supreme State Authorities. In particular, the decision of the President of the Republic of Uzbekistan No. PQ-190, adopted on 04.04.2022, "On measures to reliably ensure human safety on highways and drastically reduce the number of deaths" is one of them. In the decision, in 2022-2025, guaranteed protection of human life and health from any incidents on highways is defined as one of the priority goals.

One of the most dangerous types of traffic accidents for human life and health is hitting a pedestrian. At different times of the year, the statistics of the number of road traffic accidents of this type may differ compared to others, but it almost always remains in the first place in the sad statistics of those who died on the road.

In legal science and practice, it is customary to refer to this type of event as follows:

- collision of a moving vehicle with a person;
- an incident in which a person collides with a moving vehicle;
- an event related to a person being injured by a load (or parts of a vehicle) that has exceeded the dimensions of the vehicle.

This type of traffic accident is almost always accompanied by varying degrees of physical injury to the pedestrian, including fatal injuries to the victim, as pedestrians are also injured when struck by a vehicle moving at low speed.

The main time of this type of traffic accidents occurs at night. The risk of an accident increases, sometimes many times, in the presence of weather conditions that reduce or significantly impair the visibility of the road and objects located on or near it.

Based on practice, the main place where pedestrian collisions occur is residential areas. However, injuries to pedestrians on rural roads are not rare.

According to the results of the analysis, the road is the most involved in the types of traffic accidents with hitting a pedestrian, that is, hitting a pedestrian makes 65% on average.



Figure 1. Analysis of road traffic incidents in the city of Tashkent in the light and dark hours of the day in 2021-2023

As a rule, hitting a pedestrian occurs when the latter crosses the road both from left to right and from right to left in relation to the direction of movement of the vehicle. Hitting a pedestrian from behind or hitting an oncoming pedestrian is less common, but unfortunately, it does happen.

The most common causes of pedestrian accidents are the driver's violation of the traffic rules that regulate the speed of the vehicle, as well as the rules that regulate the actions of the driver when there is a traffic hazard for him. In addition, often the cause of the accident is the behavior of pedestrians, who violate the rules governing their behavior on the road, as well as near the road.

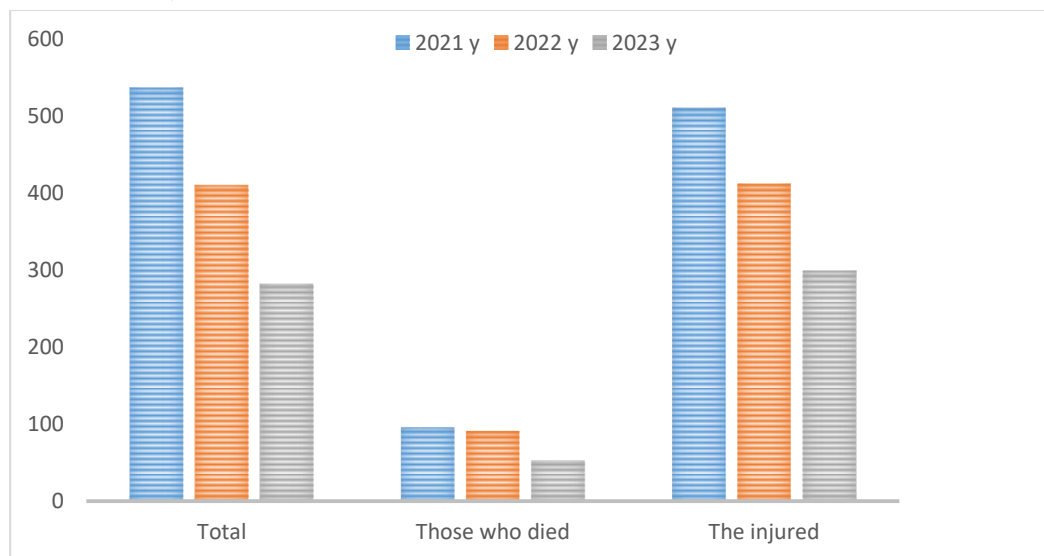


Figure 2. Non-observance of speed by drivers in the city of Tashkent in the last 3 years

A road traffic accident involving hitting a pedestrian damages the pedestrian's life and health. The most common type is a front-end collision. (Depending on the direction of movement of the pedestrian, it can be located on the left or right or in the center of the front of the car)

When a pedestrian is hit, the trace data is primarily located directly on the vehicle, as the impact can leave dents, scratches, paint scuffs, and a layer of dust on the vehicle's surface. In addition, when a pedestrian is hit (especially if the vehicle has an emergency brake when hitting a pedestrian), the pedestrian is "thrown" into the hood and windshield of the car, and sometimes the roof, where dents appear. and signs can also be broken.

Road monitoring data can help determine the location of a collision with a pedestrian, if available, as well as the minimum speed of the vehicle before locking the wheels during emergency braking if there is a brake trace.

Also, the track information at the scene of the accident should include various parts and pieces of the car, as well as the clothes and shoes of the pedestrian, as well as possible belongings of the pedestrian who was with him at the time.

The fight against road traffic accidents in road transport involves the implementation of complex measures to change the state of all elements of the "Driver-car-road-environment" (HAYM) system - improving traffic conditions, moving improvement of constructions of the composition and its technical condition, improvement of skills and discipline of drivers. Among these types of activities, the study of the causes of road traffic accidents, the identification of factors contributing to their occurrence and development has a special place. Competent investigation of a road traffic accident requires not only the availability of specialists and special equipment, but also the implementation of methods and methods that can increase the reliability of road traffic expertise.

REFERENCES:

1. Иларионов В. А. Экспертиза дорожно-транспортных происшествий: Учебник для вузов- М.: Транспорт, 1989— 255 с.
2. Методические рекомендации подготовлены заведующим научно-исследовательской лаборатории автотехнической экспертизы СНИСЭ Н. М. КРИСТИ
3. Судебная автотехническая экспертиза. Ч. 2.-М. 1980 - 491 с.
4. Принятие дифференцированных значений времени реакции водителя в экспертной практике. - М. 1987 год