

European Scholar Journal (ESJ)

Available Online at: https://www.scholarzest.com Vol. 4 No.02, February 2023 ISSN: 2660-5562

ROAD SAFETY PERFORMANCE

Makhmudov Galib Nasimdjanovich Abdurakhimov Lochinbek Xayitbekovich Usmonov Zafar Tursunovich

Tashkent State Transport University Engineering of vehicles department

Ikromov Akmaljon Gofurjonovich

Ministry of Internal Affairs of the Republic of Uzbekistan Department of Public Safety Traffic Safety Service Chief specialist of the center for the study of traffic safety problems

Article history:		Abstract:
Received: Accepted: Published:	20 th December 2022 24 th January 2023 26 th February 2023	Today, UNECE supports its 56 member States in Europe, Central Asia and North America in the implementation of the 2030 Agenda for Sustainable Development with its Sustainable Development Goals (SDG). UNECE provides a multilateral platform for policy dialogue, the development of international legal instruments, norms and standards, the exchange of best practices, and economic and technical expertise, as well as technical cooperation for countries with economies in transition. The multisectoral approach of UNECE helps countries to tackle the interconnected challenges of sustainable development in an integrated manner, with a transboundary focus that helps devise solutions to shared challenges. With its unique convening power, UNECE fosters cooperation among all stakeholders at the country and regional levels.

Keywords: traffic accidents, speed management, traffic organization, speed control measures.

INTRODUCTION

Government Decree No. 303 of November 15, 2011 "On improving the system for recording road traffic accidents" defines the following definitions of road traffic accidents and accidents:

- A traffic accident is an event that occurred while a vehicle was moving on a road and caused the death or injury of a person, damage to vehicles, structures, cargo or other property.
- Deceased person a person who died as a result of a traffic accident at the scene of an accident or as a result of it within 30 days.
- Injured person a person who has been admitted to the hospital for first aid and stays for more than one day due to a traffic accident or is being treated on an outpatient basis after receiving first aid.

Registration of traffic accidents should be carried out

- regional bodies of the Ministry of Internal Affairs
- medical facilities where the victims were taken
- legal entities whose vehicles were involved in a traffic accident
- owners of public roads and streets
- Data on traffic accidents that occurred in the following cases are not included in the national statistical report:
- inside fenced protected areas with access control
- during motorsport events (competitions, exercises, etc.)
- when performing agricultural, construction work using tractors or special construction equipment (plowing, digging, harvesting, collecting agricultural products from the field, loading and unloading, loading and unloading operations and self-propelled mechanisms on a trawler, installing poles, supports, etc.)
- in case of deliberate aggression with the aim of killing people, causing harm to their health or property (based on documents from the relevant authorities)
- when committing suicide or acting in a state of mind in which the person cannot respond with their own action
- during natural disasters
- as a result of a violation of the safety rules for equipment and the use of a vehicle (ignition of the engine with the gearbox on, when connecting and disconnecting vehicles with trailers, agricultural machinery, etc.)
- explosion, fire in moving vehicles in cases not depending on their technical configuration
- in places not intended for the movement of vehicles (river bed, mountain slope, hill, forest, etc.)
- traffic accidents, when the driver's heart stopped beating while the vehicle was moving, the victim with a convulsion or a similar illness rushed onto the road, etc.

European Scholar Journal (ESJ)

The first stage in the registration of traffic accidents is carried out by the district police department, which is the operational level of the Ministry of the Interior. Each police department must enter the following information related to the accident in a special sealed book:

- Year, month, day, hour when the accident occurred
- Complete information about the persons who reported the accident and the medical institutions where the victims were sent
- The name of the city, district and highway and street where the accident occurred
- Brief description of the accident (initial cause and type of accident)
- Complete information about the persons injured and killed as a result of an accident (name, age, gender)
- Complete information about the vehicles involved in the accident (model, license plate, owner)
- Information about the report of the accident and the full name of the person on duty.

Only preliminary information about the accident will be collected here. Complete information about each accident will be presented in the accident registration form, which is the basis for inclusion in the statistical record (database). The content and template of the registration form is approved by the Ministry of Internal Affairs.

Medical institutions should register deaths and injuries in road traffic accidents. The current procedure does not clearly describe how the stakeholders referred to in this Decree should collect, use, share, monitor, control and analyze the information collected.

The collection of statistical data on road safety is carried out by the Ministry of Internal Affairs. In accordance with the Law on Official Statistics, adopted on August 11, 2011, the State Committee on Statistics (SCSTAT) is the leading body providing official statistics in all areas of Uzbekistan. According to publicly available data/statistics published by the SSC, the number of fatalities and accidents is the same for all published 8 years. It appears that there are misunderstandings or typos in such publicly available important figures that should be corrected.

Since 2018, the Traffic Police Department has begun to publish some parts of traffic accident data in its own media resources. There is a discrepancy in the published data of the Traffic Police Department and the State Committee for Commodities for 2107-2018. Such discrepancies can lead to a reduction in the credibility of published statistics, jeopardizing sound data-driven road safety management.

Consistency, coverage, way of presenting publicly available data should demonstrate a systematic approach when publishing key information. Changing the way statistics are presented from year to year may limit the ability to compare data, allowing analysis of the impact of some road safety measures taken (e.g. when analyzing the age group of drivers involved in road traffic crashes, age clusters are defined differently).

According to Government Decree No. 303 of November 15, 2011 "Statistical Report on Road Traffic", only information in which persons died or were injured as a result of road traffic accidents will be considered as an accident. Mining incidents when there are no casualties will not be recorded by any agency. These types of incidents can be reported to the insurance company for future claims.

According to data provided by the Ministry of Internal Affairs, the number of registered traffic accidents, injured and dead is gradually decreasing until the 2020 pandemic. In 2021, these numbers began to rise.

The number of reported road traffic accidents has been declining since 2017 and dropped from 9,404 to 6,982 in pandemic 2020. Its rate increased sharply in 2021 by 43% and reached 10,001. This increase can be attributed to increased mobility of people and economic activity after the pandemic.

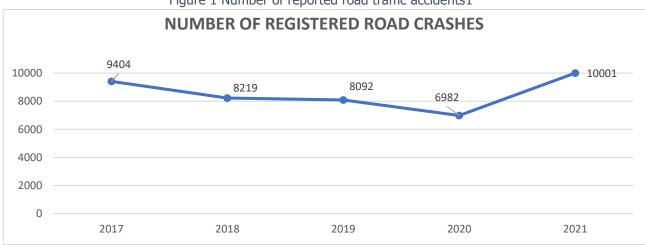
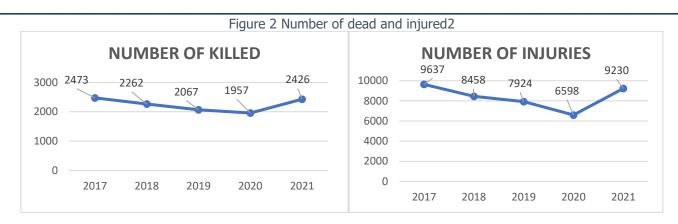


Figure 1 Number of reported road traffic accidents1

Almost the same trends are observed in the number of deaths and injuries. The number of those killed decreased (by 26%) from 2,473 to 1,957 in the period 2017-2020. In 2021, it was increased by almost 24% and reached 2,426. The number of injured in 2017-2020 decreased by 46% from 9,637 to 6,598. The number of injured in 2021 increased sharply by almost 40% and reached 9,230



Considering the type of vehicles, it can be noted that the largest number of vehicles involved in road accidents are cars. Its number gradually decreased from 2017 to 2020, but by 2021 its number has increased dramatically and reached 8,451. Bicycles are in second place. Unfortunately, the number of bicycles involved in road traffic accidents is constantly increasing and reached 1078 in 2021. A more detailed analysis of cyclists and motorcyclists will be presented below in the chapter on vulnerable road users. In third place is the number of accidents involving trucks. The number of agricultural vehicles involved in accidents has decreased compared to 2017 and 2021 - their number has decreased from 64 to 42.

REFERENCES

- 1. Eisymont, Y., Auchynnikau, Y., Avdeychik, S., Ikramov, A., & Grigorieva, T. (2015). Mechanochemical processes in the formation of engineering materials based on polymers. Materials Science. Non-Equilibrium Phase Transformations., 1(1), 36-41.
- 2. Avdeychik, S., Goldade, V., Struk, V., Antonov, A., & Ikromov, A. (2020). THE PHENOMENON OF NANOSTATE IN MATERIAL SCIENCE OF FUNCTIONAL COMPOSITES BASED ON INDUSTRIAL POLYMERS. Theoretical & Applied Science, (7), 101-107.
- 3. Ro'zievich, R. M., & G'ofurjonovich, I. A. (2022). Determination of the Minimum Time of the Permission Signal of Traffic Lights at Intersections. Journal of Pedagogical Inventions and Practices, 12, 40-44.
- 4. Ruzievich, R. M., & Gofurjonovich, I. A. (2022). Actual Problems in the Field of Road Traffic Safety. Eurasian Journal of Engineering and Technology, 8, 107-109.
- 5. Ikromov, A., Xurshid, K., & Ismoiljon oʻgʻli, S. L. (2022). DIZEL YONIG'I TA'MINOT TIZIMIDA ISSIQ VA CHANG SHAROITDA YUZAGA KELADIGAN NOSOZLIKLAR. Conferencea, 122-124.
- 6. Ikromov, A., Xurshid, K., & Ismoiljon oʻgʻli, S. L. (2022). "ISUZU NP37" AVTOBUSLARINING QUVVAT TIZIMINING NOSOZLIGI VA. Conferencea, 74-77.
- 7. Авдейчик, С. В., Сорокин, В. Г., Струк, В. А., Антонов, А. С., Икромов, А. Г., & Абдуразаков, А. А. (2017). Методология выбора функциональных модификаторов для композитов на основе высокомолекулярных матриц. Горная механика и машиностроение, (1), 76-95.
- 8. Eisymont, Y., Ikramov, A., Avdeychik, S., Auchynnikau, Y., & Struk, V. (2015). ENERGY ASPECTS OF STRUCTURE FORMATION OF NANOCOMPOSITES BASED ON THERMOPLASTIC. Materials Science. Non-Equilibrium Phase Transformations., 1(1), 42-47.
- 9. Икромов А. Г. (2021) Разработка новых эффективных композиционных материалов для машиностроения. Научно-технический производственный журнал, Композиционные материалы, (4), 102-107.
- 10. Икромов А.Г. (2022) Современные методы модифицирования компонентов с использованием энергетических технологий, Научный журнал транспортных средств и дорог, (1), 21-29.
- 11. Авдейчик, С. В., Сорокин, В. Г., Струк, В. А., Антонов, А. С., Икромов, А. Г., & Абдуразаков, А. А. (2017). Методология выбора функциональных модификаторов для композитов на основе высокомолекулярных матриц. Горная механика и машиностроение, (1), 76-95.
- 12. Nurmetov, K., Riskulov, A., & Ikromov, A. (2022, August). Physicochemical aspects of polymer composites technology with activated modifiers. In AIP Conference Proceedings (Vol. 2656, No. 1, p. 020011). AIP Publishing LLC.
- 13. Eisymont, Y., Ikramov, A., Avdeychik, S., Auchynnikau, Y., & Struk, V. (2015). ENERGY ASPECTS OF STRUCTURE FORMATION OF NANOCOMPOSITES BASED ON THERMOPLASTIC. Materials Science. Non-Equilibrium Phase Transformations., 1(1), 42-47.
- 14. Ro'zievich, R. M., & G'ofurjonovich, I. A. (2022). Determination of the Minimum Time of the Permission Signal of Traffic Lights at Intersections. Journal of Pedagogical Inventions and Practices, 12, 40-44.
- 15. Ruzievich, R. M., & Gofurjonovich, I. A. (2022). Actual Problems in the Field of Road Traffic Safety. Eurasian Journal of Engineering and Technology, 8, 107-109.
- 16. Gofurjonovich, I. A., & Ruzievich, R. M. (2022). A NEW LEVEL OF ENSURING ROAD TRAFFIC SAFETY IN UZBEKISTAN. European Journal of Interdisciplinary Research and Development, 8, 203-207.

European Scholar Journal (ESJ)

- 17. Ro'zievich, R. M., & G'ofurjonovich, I. A. (2022). Determination of the Minimum Time of the Permission Signal of Traffic Lights at Intersections. Journal of Pedagogical Inventions and Practices, 12, 40-44.
- 18. Ruzievich, R. M., & Gofurjonovich, I. A. (2022). Actual Problems in the Field of Road Traffic Safety. Eurasian Journal of Engineering and Technology, 8, 107-109.
- 19. Ikromov, A., Xurshid, K., & Ismoiljon oʻgʻli, S. L. (2022). DIZEL YONIG'I TA'MINOT TIZIMIDA ISSIQ VA CHANG SHAROITDA YUZAGA KELADIGAN NOSOZLIKLAR. Conferencea, 122-124.
- 20. Ikromov, A., Xurshid, K., & Ismoiljon oʻgʻli, S. L. (2022). "ISUZU NP37" AVTOBUSLARINING QUVVAT TIZIMINING NOSOZLIGI VA. Conferencea, 74-77.