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UDC 656.052(477)

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REGIONAL ANALYSIS OF ACCIDENT RATES ON ROAD TRANSPORT IN UKRAINE

The aim of the work is to study the state and trends of accidents on road transport in Ukraine and its regions, which were formed during 2018–2020 and for 8 months of 2021 on the basis of the data of the National Police of Ukraine. We chose the specified period due to the fact that since September 2021 the form of statistical reporting on road accidents has been changed. The status of accidents at the end of 2021 on the street and road network of Ukraine was formed in the years during the Russian-Ukrainian war until the full-scale invasion of the aggressor state on its territory in February 2022. Sevastopol and parts of the territories of Donetsk and Luhansk regions, which are not controlled by the Ukrainian authorities, were not collected during this period.

A general overview of the dynamics of passenger and freight traffic on road transport, as well as the dynamics of accident rate indicators in Ukraine and the main violations of traffic rules by road users, which influenced it, are given.

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DOI (Article): [https://doi.org/10.36486/np.2022.2\(56\).19](https://doi.org/10.36486/np.2022.2(56).19)

Issue 2(56) 2022

<http://naukaipravoohorona.com/>

On the basis of the accident rate indicators established by the State program of road safety improvement in Ukraine till 2023, approved by the Decision of the Cabinet of Ukraine № 1287 as of December 21, 2020, comparison of regions was carried out by such indicators as the number of accident victims per 10 thousand people; number of injured per 100 thousand people; number of accident victims per 100 thousand vehicles; number of accident victims per 100 thousand people; number of people died in accidents per 100 thousand vehicles; number of people injured per 100 thousand vehicles.

The above program provides for an increase in the number of criteria and research of the consequences of accidents with victims. Therefore, the study of the state and problems of road safety, especially in those regions of Ukraine with high rates of accidents or trends towards their increase, which comprehensively characterize the level of social and transport risk, as well as the level of severity of the consequences of road accidents is relevant.

By analysis of accident rates recorded in 2018, 2019, 2020 the potential opportunity to reach the benchmark indicator values defined by the Program for each region separately and Ukraine as a whole was assessed. 2021 - in the first year of the Program, there are already emerging trends to which we should pay attention and compare the indicators of accidents with the indicators of the Program for this year.

In general, the situation with the dynamics of changes in the indicators of accidents in the regions and Ukraine was assessed as follows: growth, decline, stabilization. Comparison of indicators with indicator values for 2021 was defined as: exceeding, level, below the level.

Studies have shown that in economically developed regions there is a decrease and stabilization of the characteristics of accidents. At the same time, the comparison of the situation in Kiev and Kiev region lying at the crossroads of the most important international roads of state importance showed quite different trends in the streets of Kiev city with low accident rates versus high rates on the roads of the region.

On the basis of the conducted research, at the end of 2021, there is an excess of three or more indicators of accident rate indicated in the Program for that year in 5 oblasts.

At the same time, the safer situation is observed in 9 oblasts and in Kiev city, where the indexes of accident rate are fixed lower than it was planned to reach in the Program by the end of 2021, or there was fixed an excess of values only on one index of accident rate.

With the purpose of accomplishing the goals foreseen by the Program, besides implementation of reasonable technologies in the urban transport environment where the highest proportion of accidents with the victims is observed, a number of measures in such areas as reducing the social risk; reduction of the transport risk; reducing the severity of the consequences of accidents are proposed in accordance with the directions of the Program

Keywords: road accidents, analysis of accident rate, indicators of accident rate, regional peculiarities of accident rate, traffic safety.

Отримано 08.06.2022