Agency for Strategic planning
and reforms of the
Republic of Kazakhstan
Bureau of National statistics

Quality Report

Transport Products and Services in the Republic of Kazakhstan (by Types of Communication) in 2024

Contents

S.1 Contact Information

S.1.1 Organization

Bureau of National Statistics of the Agency for Strategic Planning and Reforms of the Republic of Kazakhstan (hereinafter – the Bureau)

S.1.2 Structural Unit

Department of Services and Energy Statistics

S.1.3 Contact Person's Name

Shukerbaeva Sholpan Taishimanovna

S.1.3.1 Head of the Responsible Structural Unit

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S.1.5 Postal Address of the Contact Person

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S.1.6 Email Address of the Contact Person

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S.1.7 Contact Person's Phone Number

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S.2 Introduction – Relevance

The basis for the formation of transport statistics is the statistical reporting forms of transport enterprises, including the forms «Report on Transport Activity by Types of Communication» (2-transport, annual frequency) and «Report on the Services of Enterprises Engaged in Auxiliary Transport Activities» (2-TR (auxiliary activity), annual frequency).

The main users are government bodies, local executive authorities, other agencies, as well as individuals and legal entities.

The Bureau holds working group meetings (focus groups) with the participation of potential users and respondents, representatives of interested government bodies, as well as the National Chamber of Entrepreneurs «Atameken». During these meetings, indicators of national statistical forms are thoroughly analyzed in terms of their relevance and to eliminate duplication with indicators from departmental statistical forms and administrative data sources. Feedback from respondents and users of official statistical information is provided through the Bureau’s Unified Contact Center at 1446.

S.3 Metadata Update

S.3.1 Most Recent Confirmation of Updated Metadata

24.10.2024

S.3.2 Most Recent Metadata Publication

24.10.2024

S.3.3 Most Recent Metadata Update

24.10.2024

S.4 Presentation of Statistical Information

S.4.1 Data Description

1. The objects of statistical observation in railway transport of general use include passenger and freight transportation, rolling stock, railway infrastructure and maintenance, cargo safety, and financial results from transportation activities.

The units of statistical observation in railway transport of general use are railways, railway branches, stations, and railway transport enterprises.

2. The objects of statistical observation in inland water transport include freight and passenger transportation, fleet availability, river and lake berths, the length of inland waterways, transshipment operations, indicators of river and lake vessel utilization, and financial results from transportation and other related activities in the inland water transport sector.

The units of observation in inland water transport are enterprises of inland water transport (ports, shipping companies) and enterprises from other sectors engaged in commercial transportation, forwarding, and related activities on inland waterways.

3. The objects of statistical observation in maritime transport include freight and passenger transportation, fleet availability, marine berths, transshipment operations, indicators of vessel utilization, and financial results from transportation and related activities in the maritime transport sector.

The units of observation in maritime transport are maritime transport enterprises (ports, shipping companies) and other economic entities engaged in commercial transportation, forwarding, and related maritime activities.

4. The objects of statistical observation in road transport include freight and passenger transportation, rolling stock and its utilization, and financial results of transport operations.

The units of statistical observation in road and urban electric transport are enterprises operating motor vehicles, enterprises providing tram, trolleybus, and metro services, and private vehicle owners — individuals or individual entrepreneurs (IEs) engaged in commercial transportation of goods and passengers.

5. The objects of statistical observation in pipeline transport include the transportation of goods (gas, oil, and petroleum products) and main pipelines.

The unit of statistical observation is enterprises that own main pipelines.

6. The objects of statistical observation in air transport include the transportation of passengers, freight, mail, and luggage; aircraft fleet; flight regularity; and financial results from transportation activities.

The units of statistical observation are air transport enterprises, both scheduled and non-scheduled (regular and irregular carriers).

7. The objects of statistical observation in auxiliary transport activities include data on revenue from storage and auxiliary transport services, the capacity for one-time storage (reported by enterprises providing warehousing and storage services), and output volumes of secondary activities (goods, works, services).

The units of statistical observation are enterprises (legal entities and/or their structural subdivisions, regardless of employee number) whose main activity is warehousing and storage or providing auxiliary services in transport, as well as those whose secondary activity includes warehousing and grain storage.

(https://stat.gov.kz/ru/industries/business-statistics/stat-transport/spreadsheets/?year=2024&name=19522&period=&type=spreadsheets)

S.4.2 Classification System

The following statistical classifiers are used during the survey process:

1) KATO - Classifier of Administrative-Territorial Objects;

2) OKED – General Classifier of Types of Economic Activities;

3) KFS – Classifier of Forms and Types of Ownership;

4) KRP – Classifier of the Size of Legal Entities, Branches, and Representative Offices, as well as Individual Entrepreneurs by Number of Employees;

5) KSE – Classifier of Economic Sectors.

These classifiers are available on the Bureau's website at www.stat.gov.kz in the «Main» / «Classifiers» section.

S.4.3 Sector Coverage

1. Included are legal entities and/or their structural and separate subdivisions whose main activity is transportation (according to the General Classifier of Types of Economic Activities codes 49–51 and according to the Nomenclature of Types of Economic Activities code 52.23.2), as well as legal entities engaged in secondary activities related to the commercial transportation of passengers and cargo, individual entrepreneurs engaged in passenger and cargo transportation by inland waterway transport, and passenger transportation by maritime and urban electric transport.

2. Included are legal entities and/or their structural subdivisions, regardless of the number of employees, whose main activity is warehousing and storage of cargo (according to the General Classifier of Types of Economic Activities code 52.1) and support activities for transportation (OKED code 52.2), as well as those whose secondary activity is the warehousing and storage of grain (OKED code 52.10.1).

S.4.4 Statistical Concepts and Definitions

The basis for the formation of transport activity indicators is the Methodology for the Formation of Transport Statistics Indicators, approved by the Order of the Chairman of the Committee on Statistics of the Ministry of National Economy of the Republic of Kazakhstan dated July 15, 2016, No. 145.
Respondent coverage: legal entities and/or their structural and separate subdivisions whose main activity is transportation (according to the General Classifier of Types of Economic Activities codes 49–51 and the Nomenclature of Types of Economic Activities code 52.23.2), as well as legal entities engaged in secondary activities related to the commercial transportation of passengers and goods, individual entrepreneurs engaged in passenger and cargo transportation by inland waterway transport, and passenger transportation by maritime and urban electric transport. It also includes legal entities and/or their structural subdivisions, regardless of the number of employees, whose main activity is warehousing and cargo storage (according to the General Classifier of Types of Economic Activities – OKED – code 52.1) and support activities for transportation (OKED code 52.2), as well as those whose secondary activity is grain storage (OKED code 52.10.1).
Instruments: Statistical form “Report on Transport Activities by Types of Transportation” (Index 2-transport, annual frequency); Statistical form “Report on Services of Enterprises Performing Supporting Transport Activities” (Index 2-TR (supporting activity), annual frequency);
Observation type: complete enumeration;
Submission deadline: respondents must submit data by April 10 (inclusive) following the reporting period. Statistical forms may be submitted either electronically or on paper.
Electronic submission is carried out via the online data collection information system, available on the Bureau’s website www.stat.gov.kz in the “For Respondents” / “Respondent’s Cabinet” section.
The latest revision of the forms was in 2024. Statistical forms are available on the Bureau’s website www.stat.gov.kz in the section “For Respondents” / “Statistical Forms for 2025” / “Annual Forms”.
S.4.5 Statistical Unit
1. The objects of statistical observation in public railway transport include passenger and freight transportation, rolling stock, track and track facilities, the safety of transported goods, and financial results from transportation activities.
2. The objects of statistical observation in inland water transport include cargo and passenger transportation, fleet availability, river and lake terminals, the length of inland waterways, cargo handling operations, indicators of

utilization of river and lake vessels, and financial results from transportation and other activities related to the inland water transport process.

3. The objects of statistical observation in maritime transport include cargo and passenger transportation, fleet availability, sea terminals, cargo handling operations, indicators of utilization of maritime vessels, and financial results from transportation and other activities related to the maritime transport process.

4. The objects of statistical observation in road transport include cargo and passenger transportation, rolling stock, its utilization, and financial results of transportation activities.

5. The objects of statistical observation in pipeline transport include the transportation of goods (gas, oil, and petroleum products) and main pipelines.

6. The objects of statistical observation in air transport include passenger, cargo, mail, and baggage transportation, aircraft fleet, flight regularity, and financial results from transportation activities.

7. The objects of statistical observation in auxiliary transport activities include information on income from storage services and auxiliary transport services, the one-time storage capacity (reported by enterprises providing warehousing and storage services), and the volume of output (works, services) from secondary activities.

S.4.6 Statistical Population (Sampling Method)

Complete enumeration.

S.4.7 Territorial Coverage

The Republic of Kazakhstan (all regions, cities of republican significance, and the capital)

S.4.8 Time Coverage

In Kazakhstan, the transport survey has been conducted annually since 1991. Time series are available for the years 1991–2024. The time series are accessible on the Bureau's website at www.stat.gov.kz under the section "Main" / "Statistics" / "Industry Statistics" / "Transport" / "Dynamic tables".

S.4.9 Base Period

The base period is the year preceding the survey year.

S.5 Unit of Measurement

Thousand tenge

S.6 Reporting Period

Calendar year

S.7 Legal Basis

S.7.1 Legal Framework

1. Law of the Republic of Kazakhstan dated March 19, 2010 No. 257-IV "On State Statistics";

2. Rules for the submission of primary statistical data by respondents, approved by the Order of the Chairman of the Agency of the Republic of Kazakhstan on Statistics dated July 9, 2010 No. 173;

3. Rules for the submission of administrative data by administrative sources on a free-of-charge basis, approved by the Order of the Acting Chairman of the Agency of the Republic of Kazakhstan on Statistics dated July 14, 2010 No. 183;

4. Statistical Work Plan, approved in accordance with the legislation by the Order of the Head of the Bureau of National Statistics of the Agency for Strategic Planning and Reforms of the Republic of Kazakhstan;

5. Official Statistical Information Dissemination Schedule, approved by the Order of the Head of the Bureau of National Statistics of the Agency for Strategic Planning and Reforms of the Republic of Kazakhstan;

6. Rules for the provision of statistical information free of charge that is not included in the official statistical information dissemination schedule, developed on the basis of primary statistical data submitted by respondents in accordance with the schedule for submission of primary statistical data, approved by the Order of the Chairman of the Agency of the Republic of Kazakhstan on Statistics dated May 20, 2010 No. 113;

7. Rules for the provision of anonymized databases for use in scientific and scientific-technical activities, approved by the Order of the Chairman of the Agency of the Republic of Kazakhstan on Statistics dated July 2, 2010 No. 168;

8. The Methodology for the Formation of Transport Statistics Indicators refers to the statistical methodology developed in accordance with international standards and approved in accordance with the Law of the Republic of Kazakhstan dated March 19, 2010 "On State Statistics", approved by the Order of the Chairman of the Committee on Statistics of the Ministry of National Economy of the Republic of Kazakhstan dated July 15, 2016 No. 145.

S.8 Confidentiality and Data Protection

S.8.1 Confidentiality Policy

1. Article 8 of the Law of the Republic of Kazakhstan dated March 19, 2010 “On State Statistics,” which ensures the confidentiality and protection of data provided by respondents;

2. Article 28 of the Entrepreneurial Code of the Republic of Kazakhstan dated October 29, 2015, which provides for the protection of information constituting commercial secrets;

3. The Information Security Policy (hereinafter – the Policy), approved by the Order of the Head of the Bureau of National Statistics of the Agency for

Strategic Planning and Reforms of the Republic of Kazakhstan dated February 10, 2021 No. 20, defines the objectives, tasks, guiding principles, and practical methods for ensuring information security within the Bureau. The main objective of the Policy is to ensure the availability of official statistical information and the confidentiality of information stored and processed using the Bureau's computing resources, while maintaining its integrity and authenticity;

S.8.2 Data Confidentiality – Data Handling

Rules for the provision of anonymized databases for use in scientific and scientific-technical activities, approved by the Order of the Chairman of the Agency of the Republic of Kazakhstan on Statistics dated July 2, 2010 No. 168.

S.9 Publication Policy

S.9.1 Publication Calendar

According to paragraphs 1 and 2 of Article 26 of the Law of the Republic of Kazakhstan "On State Statistics" dated March 19, 2010 No. 257, the state statistics bodies ensure equal rights for users to simultaneous access to high-quality official statistical information, including in machine-readable formats and statistical methodology, by publishing it on the official website of the state statistics bodies. All statistical information provided in the Statistical Work Plan and the Official Statistical Information Dissemination Schedule is freely available on the Bureau's website www.stat.gov.kz.

The Statistical Work Plan and the Official Statistical Information Dissemination Schedule are available on the Unified Platform of Internet Resources of Government Agencies (UPIR GA) at www.gov.kz in the section "Bureau" / "Main" / "Main Documents."

S.9.2 Access to the Dissemination Schedule

The Official Statistical Information Dissemination Schedule is available on the Unified Platform of Internet Resources of Government Agencies (UPIR GA) at www.gov.kz in the section "Bureau" / "Main" / "Main Documents."

S.9.3 User Access

According to paragraphs 1 and 2 of Article 26 of the Law of the Republic of Kazakhstan "On State Statistics" dated March 19, 2010 No. 257, the state statistics bodies ensure equal rights for users to simultaneous access to high-quality official statistical information, including in machine-readable formats and statistical methodology, by publishing it on the official website of the state statistics bodies. All statistical information provided in the Statistical Work Plan and the Official Statistical Information Dissemination Schedule is freely available on the Bureau's website www.stat.gov.kz.

The Statistical Work Plan and the Official Statistical Information Dissemination Schedule are available on the Unified Platform of Internet

Resources of Government Agencies (UPIR GA) at www.gov.kz in the section “Bureau” / “Main” / “Main Documents.”

S.10 Frequency of Dissemination

Annually

S.11 Format of Dissemination, Accessibility, and Clarity

S.11.1 News Releases

Press releases are not produced

S.11.2 Publications

1. Electronic tables "On Transport Products and Services in the Republic of Kazakhstan (by types of communication)" are available on the Bureau’s website www.stat.gov.kz under the section “Main” / “Statistics” / “Industry Statistics” / “Transport” / “Spreadsheets”;

2. Time series are available on the Bureau’s website www.stat.gov.kz under the section “Main” / “Statistics” / “Industry Statistics” / “Transport” / “Dynamic tables”.

S.11.3 Online Databases

The Bureau’s website www.stat.gov.kz, Information-Analytical System "Taldau" / "Transport Statistics."

S.11.3.1 AC1. Data Tables – Consultation

Not implemented

S.11.4 Access to Microdata

Provision of anonymized databases is regulated by the "Rules for the Provision of Anonymized Databases for Use in Scientific and Scientific-Technical Activities," approved by the Order of the Chairman of the Agency of the Republic of Kazakhstan on Statistics dated July 2, 2010 No. 168.

Information on the application conditions for obtaining anonymized databases is available on the Bureau’s website www.stat.gov.kz under the section “Main” / “For Researchers.”

The application is prepared and submitted via the “Personal Account” / “User Account” on the Bureau’s website www.stat.gov.kz, verified by an electronic digital signature, with the necessary documents attached.

S.11.5 Other

S.11.5.1 AC2. Metadata – Consultation

Not implemented

S.12 Availability of Documentation

S.12.1 Methodological Documentation

The “Methodology for the Formation of Transport Statistics Indicators,” approved by the Order of the Chairman of the Committee on Statistics of the Ministry of National Economy of the Republic of Kazakhstan dated July 15, 2016 No. 145 (registered with the Ministry of Justice of the Republic of Kazakhstan on August 18, 2016 No. 14124), is available on the Bureau’s

website www.stat.gov.kz in the section “Methodology” / “Transport Statistics.”

S.12.2 Quality Documentation

The Methodology for Assessing the Quality of Official Statistical Information, approved by the Order of the Chairman of the Committee on Statistics of the Ministry of National Economy of the Republic of Kazakhstan dated May 23, 2018 No. 63.

S.13 Quality Management

S.13.1 Quality Assurance

The quality and reliability of transport statistics data are maintained through generally accepted procedures:

- adherence to basic principles of primary accounting;
- use of standard statistical classifications of goods, products, and services;
- all control schemes (format-logical and arithmetic) are developed and implemented at the stages of collection and processing of primary data;
- to ensure the reliability of primary statistical data, the law provides for the possibility of obtaining additional information from respondents;
- comparative analysis of statistical data (in dynamics) is carried out.

S.13.2 Quality Assessment

The Methodology for the Formation of Transport Statistics Indicators refers to statistical methodology developed in accordance with international standards and is approved by the Order of the Chairman of the Committee on Statistics of the Ministry of National Economy of the Republic of Kazakhstan dated July 15, 2016 No. 145.

International Recommendations on Transport Statistics, Eurostat 2011.

Completion of international transport statistics questionnaires of the UNECE, CIS Statistical Committee, and Eurasian Economic Commission.

S.14 Relevance

S.14.1 User Needs

Users of the information include government bodies, local executive authorities, other agencies, individuals, and legal entities. Statistical results are needed by users for the development and evaluation of state policy, decision-making, planning, scientific research, as well as for analysis and justification in business.

S.14.2 User Satisfaction

A user survey of official statistical information is conducted annually. The user questionnaire is available on the Bureau’s website www.stat.gov.kz in the section “Home” / “Surveys” / “User Questionnaire.” (https://stat.gov.kz/ru/quiz/15128/)

S.14.3 Completeness/R1. Data Completeness – Rate

Not applicable

S.15 Accuracy and Reliability (completed depending on the type of observation)

S.15.1 Overall Accuracy

The nationwide survey on transport statistics is structured in such a way that potential errors can be minimized and controlled. However, during the implementation of the survey, inaccuracies may occur, which in statistics are referred to as random errors, even if the survey is conducted with the utmost care. Such errors are identified and corrected by the regional Departments of Statistics and the Bureau of National Statistics during the course of statistical observation.

An analysis of accuracy and reliability has been conducted based on passenger turnover and freight turnover over the past five years using the coefficient of variation.

The coefficient of variation is a statistical measure defined as the ratio of the standard deviation of a random variable to its expected (mean) value. It is used to compare the variability of the same characteristic across different populations with different means.

The coefficient of variation is calculated using the following formula:

$CV = (\sigma/k) * 100\%,$

where:

σ – is the standard deviation of the random variable;

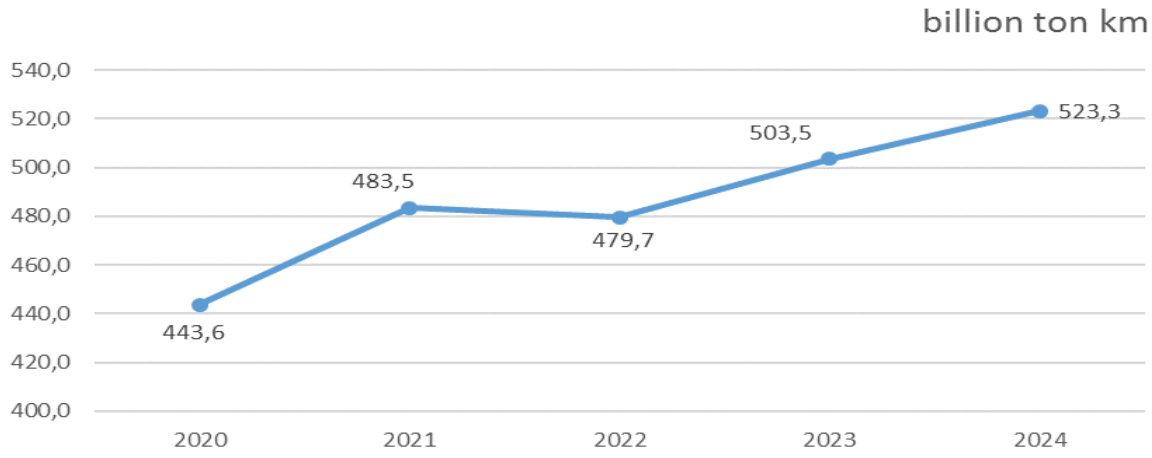
k – is the expected (mean) value of the random variable.

In statistics, it is generally accepted that:

if the coefficient of variation is less than 15%, the data is stable and less dispersed;

if it is more than 30%, the data shows high deviation and variability.

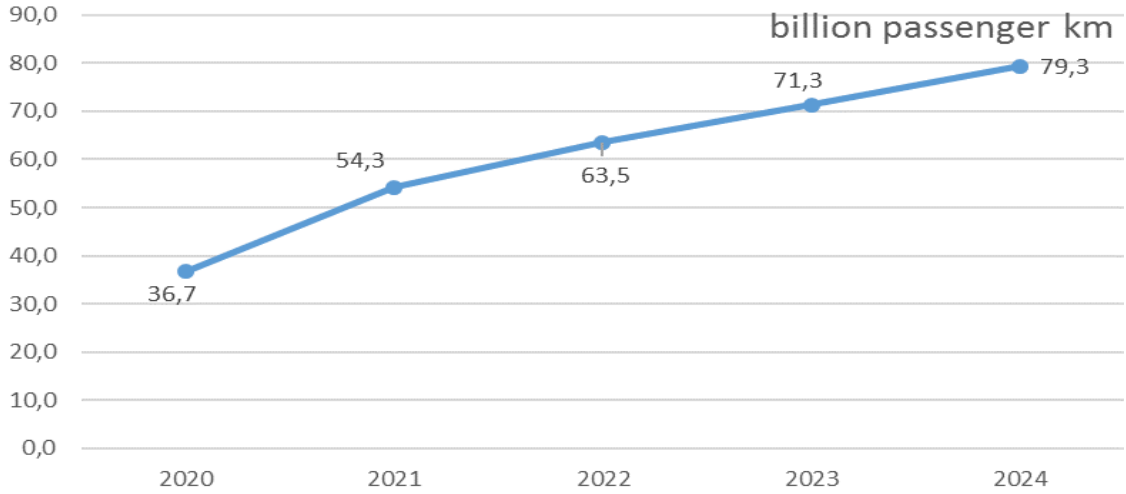
Freight turnover of all types of transport



K =486,72
σ = 29,73
CV = (29,73/486,72)*100%=6,11%

The coefficient of variation of cargo turnover in Kazakhstan for 2020-2024 was 6,11%, which indicates moderate stability of the indicator. Changes in cargo turnover volumes relative to the average value are insignificant. This indicates a smooth and predictable dynamics of the development of the country's transport industry in the specified period.

Passenger turnover of all types of transport



K =61,02
σ = 16,45
CV = (16,45/61,02)*100%=26,96%

The coefficient of variation of passenger turnover in Kazakhstan for 2020-2024 was 29.96%. which indicates a high level of variation of this indicator. This means that passenger turnover has changed significantly from year to year, with a particularly sharp increase observed after 2020, which is associated with recovery from the COVID-19 pandemic. Thus, passenger transportation during this period is characterized by dynamic growth. But with less stable dynamics compared to freight turnover.

S.15.2 Sampling errors-indicators/A1

Not applicable

S.15.3 Non-sampling error

Not applicable

S.15.3.1 Coverage error

Not applicable

S.15.3.1.1 A2. Exceeding coverage is a percentage

Not applicable

S.15.3.1.2 A3. Common units – ratio

Not applicable

S.15.3.3 Non-response errors

S.15.3.3.1 A4. The unit of absence is a share

Not applicable

S.15.3.3.2 A5. The point of no response is the share

Not applicable

S.16 Timeliness and punctuality

S.16.1 Timeliness

S.16.1.1TP1. Waiting period-first results

The time spent on processing the first results, from the time the respondents submitted it to the first publication of the spreadsheet "On transport products and services in the Republic of Kazakhstan (by type of message)", averages 48 days. The results in the spreadsheet are published annually on May 29 according to the Plan of Statistical work, which are final.

S.16.1.2 TP2. Waiting period - latest results

The first results are final

S.16.2 Punctuality

S.16.2.1 Punctuality/TP3

The data is published in accordance with the Statistical Work Plan and the Schedule for the Dissemination of Official statistical information, approved by the Order of the Head of the Bureau.

The actual and planned dates do not match due to technical failures in the system. The publication is postponed to the next business day if the publication falls on weekends or holidays.

S.17 Comparability

S.17.1 Geographical comparability

The data are comparable between the regions of the Republic of Kazakhstan.

S.17.1.1 Asymmetry in the mirror statistics of flows -coefficient/CC1

Not applicable

S.17.2 Продолжительность сопоставимых временных рядов/CC2

Duration of comparable time series/CC2 There are time series for 1991-2024. Time series are available on the Bureau's Internet resource www.stat.gov.kz in the "Main" / "Statistics" / "Industry statistics" / "Transport" / "Dynamic tables" section.

S.18 Consistency

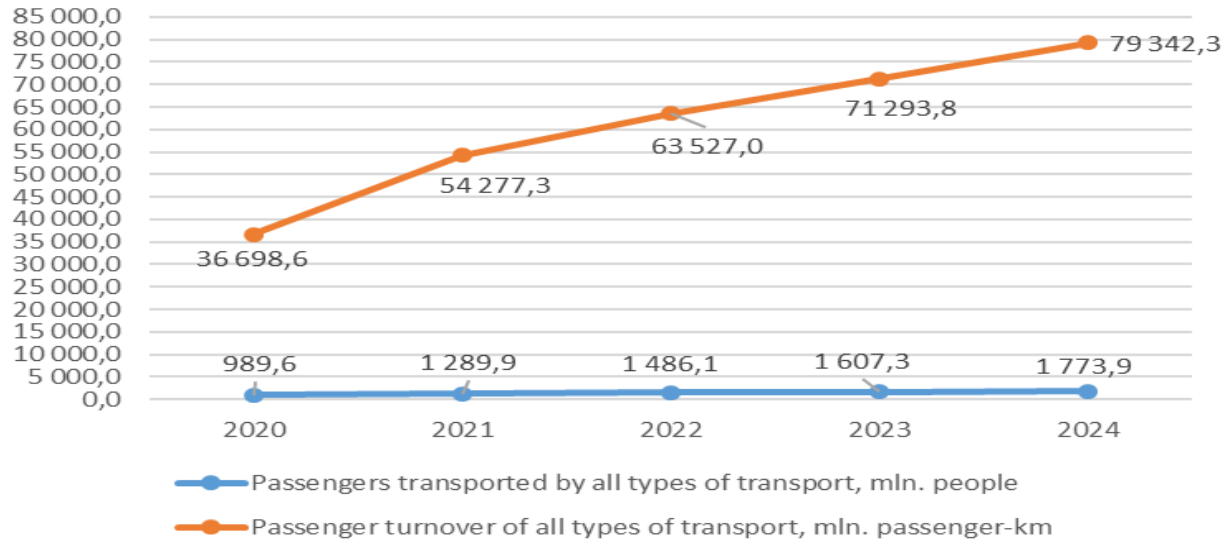
S.18.1 Consistency is external, cross-cutting

The methodology for the formation of transport statistics indicators has been developed in accordance with international recommendations (the Federal Republic of Germany and the Kingdom of Denmark) obtained within the framework of the KAZSTAT Project (Project to Strengthen the National Statistical System) and Eurostat standards.

S.18.2 Internal consistency

The consistency of the volume of passengers transported with passenger turnover is shown below.

Comparison of passenger transportation volumes and passenger turnover by all modes of transport



Over the period 2020-2024, Kazakhstan has seen steady growth in both passenger traffic and passenger turnover.:

• The number of passengers carried increased by 79.3% (from 989.6 to 1773.9 million people),

• Passenger turnover increased by more than 2.1 times (from 36,698.6 to 79,342.3 million square kilometers).

This means that not only has the number of passengers increased, but the average travel distance has also increased from 37.1km in 2020 to 44.7km in 2024. Thus, the structure of demand is shifting towards longer trips, which is associated with the improvement of transport infrastructure, the development of intercity and interregional communications, as well as the restoration of mobility after the pandemic. This is a positive trend, indicating the expansion of the geography of population movements and increased transport accessibility within the country.

S.19 Load

The data is collected electronically and on paper at the request of the respondent. When collecting data online, automated arithmetic and logical controls are provided for the respondent, eliminating the possibility of typical input errors. Information processing processes are automated, and controls of input and output information are provided. The average time spent filling out the form is 1-2 hours. Duplication with other surveys is excluded. 18052 respondents reported for 2024. Additionally, data from administrative sources is used:

- Ministry of Transport of the Republic of Kazakhstan,
- Local executive bodies,
- Committee on Legal Statistics and Special Accounts of the Prosecutor General's Office of the Republic of Kazakhstan,
- RSU "Maritime Administration of Ports of the Republic of Kazakhstan" of the Committee of Railway and Water Transport of the Ministry of Transport of the Republic of Kazakhstan,
- Ministry of Internal Affairs of the Republic of Kazakhstan,
- The State Revenue Committee of the Ministry of Finance of the Republic of Kazakhstan.

S.20 Revision of data

S.20.2 Revision of data/A6

In 2025, the data for 2024 were republished due to the receipt of clarifying letters from the Bureau's territorial divisions containing the need to make adjustments to the reporting on form 2-transport. The changes were related to the refinement and refinement of statistical data collected through the Collection 3.0 system in the AIS "E-Statistics". The republication of the data was aimed at ensuring the completeness and reliability of official statistics.

S.21 Statistical data processing

S.21.1 Initial data

Statistical information on transport statistics is formed on the basis of primary reports of respondents in the forms 2-transport "Report on the work of transport by type of communication" and 2-TR (auxiliary activity) "Report on the services of enterprises of auxiliary transport activities"

S.21.2 Frequency of the survey

Annual

S.21.3 Method (method) of collecting primary statistical data

According to transport statistics, the statistical form is provided in electronic form or on paper. Filling out statistical forms in electronic form is carried out through the on-line Data Collection information system, available on the Bureau's Internet resource. www.stat.gov.kz in the "For respondents" / "Respondent's Cabinet" section.

S.21.4 Reliability of primary statistical data

In order to improve the quality of data, verify the correctness of filling out the statistical form and minimize the lack of answers to some questions of the statistical form, reliability checks have been defined at the level of entering primary data in electronic format, and various format-logical controls have also been included in the software for processing primary statistical information.

Format-logical controls: between sections, within sections.

S.21.5 Imputation - share/A7

Not applicable

S.21.6 Adjustment

The data is adjusted directly during statistical observation.

S.21.6.1 Correction for seasonal fluctuations

Not applicable

S.22 Remarks

In the future, we will continue to work on ensuring data quality.