



TRANSPORT, FOURTH QUARTER OF 2023¹⁾

The total number of passengers carried in the fourth quarter of 2023 amounted to 19.7 million, which was an increase of 5.6% compared to the fourth quarter of 2022. An increase in the transport of passengers was also generated by Croatian air carriers, of 4.9%, and by Croatian shippers in seawater and coastal transport, of 4.4%. According to provisional data, 28.2% more passengers were transported in the railway transport. A decrease was noticeable in the road line transport by coaches, of 4.7%.

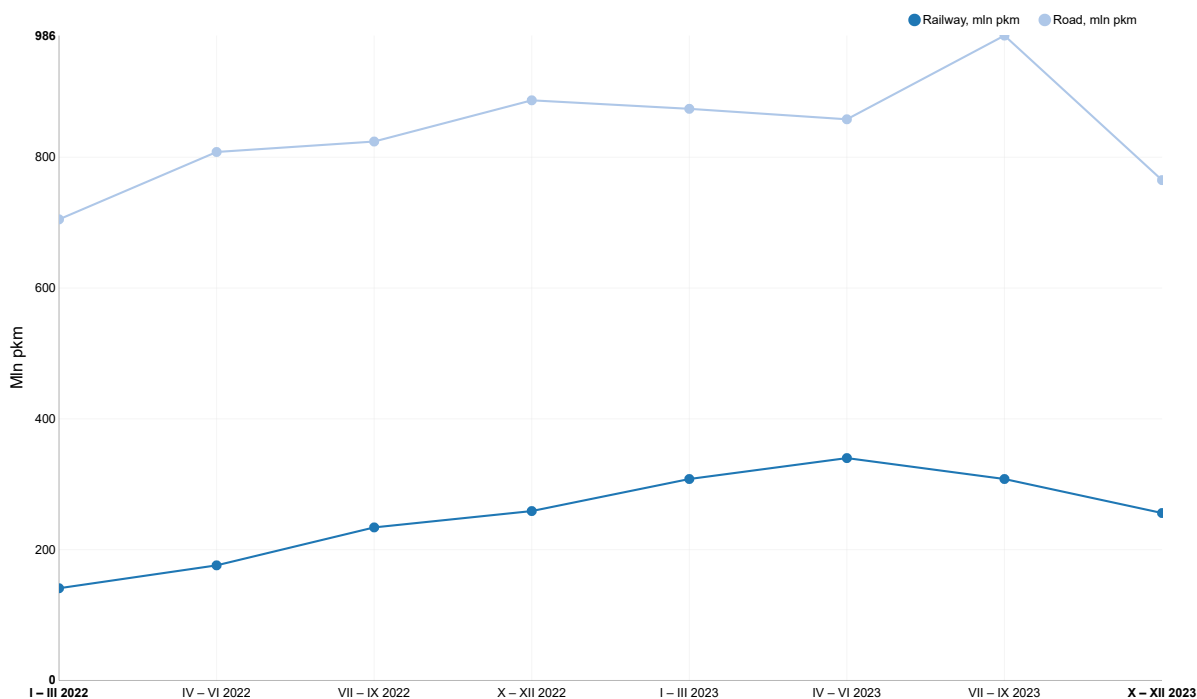
In the period from January to December 2023, a total number of passengers transported amounted to 84.5 million, which was 2.4% more than in the same period of 2022. The data for the railway transport of passengers also indicate an increase, of 30.3%, in air transport of 15.9% and in seawater and coastal transport of 4.7%. A decrease was seen in road line transport by coaches, of 9.9%.

A total of 30.2 million tonnes of goods were transported in the fourth quarter of 2023, which was a decrease of 1.9% compared to the fourth quarter of 2022. A decrease was also recorded in the transport of goods by Croatian air carriers, of 12.2%, in inland waterway transport by ships under all flags, of 28.3%, and in seawater and coastal transport, of 10.3%. Moreover, there was a decrease in the transport of goods in transport by freight vehicles with Croatian plates and in pipeline transport, of 0.7% and 5.1%, respectively. An increase was recorded in railway transport, of 0.4%.

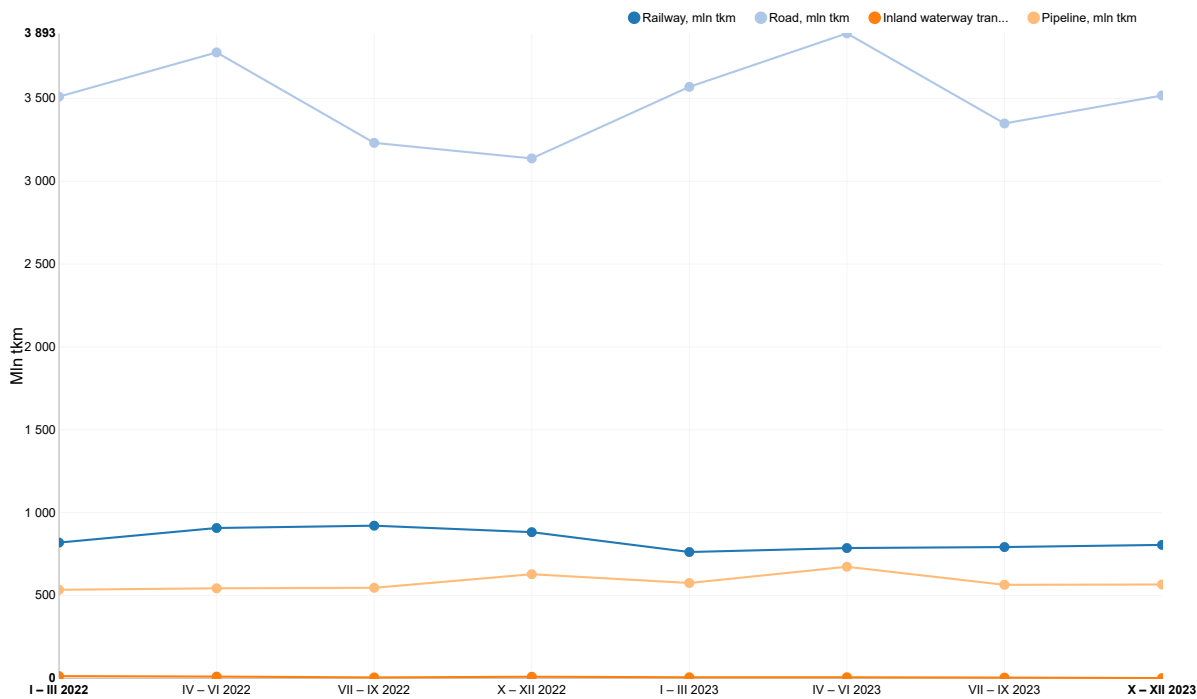
In the period from January to December 2023, a total of 126.9 million tonnes of goods were transported, which was 0.7% less than in the same period of 2022. A decrease was recorded in seawater and coastal transport, of 11.3%, in railway transport, of 7.3%, and in inland waterway transport, of 37.6%. An increase was achieved in air transport, of 0.6%, in pipeline transport, of 5.0%, and in road transport, of 2.0%.

1) See Notes on Methodology.

G-1 PASSENGER-KILOMETRES PERFORMED IN INLAND TRANSPORT, 2022 AND 2023



G-2 TONNE-KILOMETRES PERFORMED IN INLAND TRANSPORT, 2022 AND 2023



1 TRANSPORT OF PASSENGERS AND GOODS, BY TRANSPORT MODES

	Unit of measure	2022		2023		Indices		
		X - XII	I - XII	X - XII	I - XII	X - XII 2023 VII - IX 2023	X - XII 2023 X - XII 2022	I - XII 2023 I - XII 2022
Passengers carried ¹⁾	'000	18 608	82 546	19 651	84 535	81,7	105,6	102,4
Railway transport ¹⁾	'000	5 119	18 591	6 565	24 230	120,1	128,2	130,3
Road line transport	'000	11 032	47 292	10 518	42 587	106,2	95,3	90,1
Seawater and coastal transport	'000	1 914	14 261	1 999	14 935	26,1	104,4	104,7
Air transport	'000	543	2 401	569	2 783	55,6	104,9	115,9
Passenger-kilometres ¹⁾	Mln	1 902	7 655	1 846	8 879	62,0	97,1	116,0
Railway transport ¹⁾	Mln	259	815	256	1 213	83,0	98,8	148,9
Road line transport	Mln	887	3 224	765	3 482	77,6	86,2	108,0
Seawater and coastal transport	Mln	93	693	96	721	26,3	103,2	104,0
Air transport	Mln	663	2 923	729	3 462	55,4	110,0	118,5
Goods carried	'000 t	30 815	127 824	30 216	126 904	88,2	98,1	99,3
Railway transport	'000 t	3 907	16 257	3 923	15 069	104,5	100,4	92,7
Road line transport	'000 t	21 398	86 402	21 258	88 160	90,7	99,3	102,0
Seawater and coastal transport	'000 t	3 140	15 355	2 816	13 623	63,8	89,7	88,7
Inland waterway transport ²⁾	'000 t	126	583	90	364	103,8	71,7	62,4
Air transport	'000 t	0	2	0	2	113,9	87,8	100,6
Transport via pipelines	'000 t	2 244	9 225	2 129	9 686	82,4	94,9	105,0
Tonne-kilometres	Mln	23 823	105 466	20 940	99 343	84,0	87,9	94,2
Railway transport	Mln	882	3 529	805	3 145	101,6	91,3	89,1
Road line transport	Mln	3 138	13 659	3 518	14 329	105,0	112,1	104,9
Seawater and coastal transport	Mln	19 165	85 989	16 050	79 474	79,3	83,7	92,4
Inland waterway transport ²⁾	Mln	9	37	1	17	35,3	14,5	45,6
Air transport	Mln	0	1	0	1	117,6	82,7	96,2
Transport via pipelines	Mln	628	2 250	566	2 377	100,4	90,1	105,7

1) Provisional data for 2023.

2) Transit is not included.

2 RAILWAY TRANSPORT

	Unit of measure	2022		2023		Indices		
		X - XII	I - XII	X - XII	I - XII	$\frac{X - XII\ 2023}{VII - IX\ 2023}$	$\frac{X - XII\ 2023}{X - XII\ 2022}$	$\frac{I - XII\ 2023}{I - XII\ 2022}$
Passengers carried ¹⁾	'000	5 119	18 591	6 565	24 230	120,1	128,2	130,3
National transport ¹⁾	'000	5 058	18 228	6 517	23 900	122,4	128,8	131,1
International transport ¹⁾	'000	61	363	47	330	34,4	78,0	90,9
Passenger-kilometres ¹⁾	Mln	259	815	256	1 213	83,0	98,8	148,9
National transport ¹⁾	Mln	257	749	254	1 176	89,9	98,9	156,9
International transport ¹⁾	Mln	2	65	2	37	7,3	87,2	57,0
Goods carried	'000 t	3 907	16 257	3 923	15 069	104,5	100,4	92,7
National transport	'000 t	692	3 243	592	2 607	83,5	85,5	80,4
International transport - loading	'000 t	1 404	5 852	1 517	5 704	104,8	108,0	97,5
International transport - unloading	'000 t	470	1 929	415	1 495	118,1	88,3	77,5
Transit	'000 t	1 340	5 234	1 399	5 263	112,2	104,4	100,6
Tonne-kilometres	Mln	882	3 529	805	3 145	101,6	91,3	89,1
National transport	Mln	155	674	139	592	79,3	89,9	87,8
International transport - loading	Mln	267	1 073	268	1 064	98,5	100,6	99,2
International transport - unloading	Mln	164	668	122	482	112,6	74,4	72,2
Transit	Mln	296	1 115	275	1 007	116,5	93,0	90,4
Out of total goods transport - transport of dangerous goods	'000 t	340	1 374	668	1 572	187,2	196,6	114,4

1) Provisional data for 2023

3 ROAD LINE TRANSPORT OF PASSENGERS BY COACHES

	Unit of measure	2022		2023		Indices		
		X - XII	I - XII	X - XII	I - XII	$\frac{X - XII\ 2023}{VII - IX\ 2023}$	$\frac{X - XII\ 2023}{X - XII\ 2022}$	$\frac{I - XII\ 2023}{I - XII\ 2022}$
Passengers carried	'000	11 032	47 292	10 518	42 587	106,2	95,3	90,1
National transport	'000	10 709	44 306	10 210	39 751	115,9	95,3	89,7
International transport	'000	323	2 986	308	2 836	28,2	95,4	95,0
Passenger-kilometres	Mln	887	3 224	765	3 482	77,6	86,2	108,0
National transport	Mln	735	2 696	674	2 768	93,1	91,6	102,7
International transport	Mln	151	529	91	715	34,7	60,0	135,2

4 URBAN TRANSPORT BY BUSES AND TRAMS

	Unit of measure	2022		2023		Indices		
		X - XII	I - XII	X - XII	I - XII	$\frac{X - XII\ 2023}{VII - IX\ 2023}$	$\frac{X - XII\ 2023}{X - XII\ 2022}$	$\frac{I - XII\ 2023}{I - XII\ 2022}$
Buses	Number	1 351	1 351	1 370	1 370	102,8	101,4	101,4
Kilometres travelled by buses	'000	16 847	66 010	17 194	69 746	91,6	102,1	105,7
Passengers carried	'000	31 866	128 333	31 772	123 291	104,4	99,7	96,1
Trams ¹⁾	Number	338	338	326	326	100,3	96,4	96,4
Kilometres travelled by trams	'000	3 188	12 693	2 819	11 554	111,9	88,4	91,0
Passengers carried	'000	31 969	119 735	28 599	110 110	118,8	89,5	92,0

1) Including motorised cars and trailers.

5 ROAD TRANSPORT OF GOODS

	Unit of measure	2022		2023		Indices		
		X - XII	I - XII	X - XII	I - XII	$\frac{X - XII\ 2023}{VII - IX\ 2023}$	$\frac{X - XII\ 2023}{X - XII\ 2022}$	$\frac{I - XII\ 2023}{I - XII\ 2022}$
Goods carried - total	'000 t	21 398	86 402	21 258	88 160	90,7	99,3	102,0
National transport	'000 t	17 554	70 293	17 241	72 130	87,4	98,2	102,6
Dispatched to foreign countries	'000 t	1 510	5 911	1 322	5 539	93,2	87,5	93,7
Received from foreign countries	'000 t	1 172	5 062	1 441	5 648	120,0	123,0	111,6
Cross-trade transport	'000 t	1 161	5 136	1 254	4 843	115,8	108,0	94,3
Tonne-kilometres	Mln	3 138	13 659	3 518	14 329	105,0	112,1	104,9
National transport	Mln	1 186	4 854	1 181	5 169	87,9	99,6	106,5
Dispatched to foreign countries	Mln	720	3 017	759	2 937	108,7	105,4	97,4
Received from foreign countries	Mln	664	2 741	724	3 008	114,4	109,0	109,7
Cross-trade transport	Mln	568	3 047	853	3 215	126,6	150,1	105,5
Road transport of goods for hire or reward								
Goods carried	'000 t	12 188	46 813	11 682	48 184	90,1	95,8	102,9
Tonne-kilometres	Mln	2 693	11 504	3 010	12 210	107,7	111,8	106,1
Road transport of goods for own account								
Goods carried	'000 t	9 210	39 589	9 576	39 976	91,5	104,0	101,0
Tonne-kilometres	Mln	446	2 155	507	2 119	91,5	113,8	98,4
Out of total goods transport - transport of dangerous goods	'000 t	(886)	3 750	(991)	4 000	96,6	111,9	106,7

6 TRANSPORT VIA PIPELINES

	Unit of measure	2022		2023		Indices		
		X - XII	I - XII	X - XII	I - XII	$\frac{X - XII\ 2023}{VII - IX\ 2023}$	$\frac{X - XII\ 2023}{X - XII\ 2022}$	$\frac{I - XII\ 2023}{I - XII\ 2022}$
Oil transport	'000 t	1 361	5 794	1 290	6 317	75,6	94,8	109,0
Tonne-kilometres	Mln	468	1 634	391	1 741	94,9	83,5	106,6
Gas transport	'000 t	883	3 431	839	3 369	95,5	95,0	98,2
Tonne-kilometres	Mln	160	616	175	637	115,1	109,3	103,3

7 SEAWATER AND COASTAL TRANSPORT

	Unit of measure	2022		2023		Indices		
		X - XII	I - XII	X - XII	I - XII	$\frac{X - XII\ 2023}{VII - IX\ 2023}$	$\frac{X - XII\ 2023}{X - XII\ 2022}$	$\frac{I - XII\ 2023}{I - XII\ 2022}$
Passengers carried	'000	1 914	14 261	1 999	14 935	26,1	104,4	104,7
National transport	'000	1 897	14 128	1 982	14 826	26,1	104,5	104,9
International transport	'000	17	133	17	109	26,4	97,5	81,7
Out of total, carried by ferries	'000	1 479	11 134	1 568	11 666	26,6	106,0	104,8
Passenger-kilometres	Mln	93	693	96	721	26,3	103,2	104,0
National transport	Mln	89	665	92	697	26,1	103,4	104,9
International transport	Mln	4	28	4	23	31,0	97,5	82,6
Goods carried	'000 t	3 140	15 355	2 816	13 623	63,8	89,7	88,7
National transport	'000 t	134	622	122	580	66,5	91,4	93,2
International transport	'000 t	3 006	14 733	2 694	13 043	63,7	89,6	88,5
Tonne-kilometres	Mln	19 165	85 989	16 050	79 474	79,3	83,7	92,4
National transport	Mln	39	170	33	143	74,8	84,9	84,2
International transport	Mln	19 126	85 820	16 017	79 331	79,3	83,7	92,4

8 AIR TRANSPORT

	Unit of measure	2022		2023		Indices		
		X - XII	I - XII	X - XII	I - XII	$\frac{X - XII\ 2023}{VII - IX\ 2023}$	$\frac{X - XII\ 2023}{X - XII\ 2022}$	$\frac{I - XII\ 2023}{I - XII\ 2022}$
Passengers carried	'000	543	2 401	569	2 783	55,6	104,9	115,9
National transport	'000	95	363	103	430	78,7	108,3	118,5
International transport	'000	448	2 038	466	2 353	52,2	104,1	115,4
Passenger-kilometres	Mln	663	2 923	729	3 462	55,4	110,0	118,5
National transport	Mln	31	115	33	136	81,1	107,1	118,4
International transport	Mln	632	2 808	696	3 326	54,5	110,2	118,5
Freight carried	t	449	1 511	394	1 520	113,9	87,8	100,6
National transport	t	15	103	12	81	46,2	80,0	78,6
International transport	t	434	1 408	382	1 440	119,4	88,0	102,3
Tonne-kilometres	'000	371	1 251	307	1 203	117,6	82,7	96,2
National transport	'000	4	30	4	24	50,0	100,0	80,0
International transport	'000	367	1 221	303	1 179	119,8	82,6	96,6

NOTES ON METHODOLOGY

It may happen that the sum total does not equal the sum of individual figures and that cumulative data do not always equal the sum of individual quarterly results due to the rounding of numbers.

The final quarterly data on the railway transport of passengers for 2023 will be published in May 2024 in Excel format on the website of the [Croatian Bureau of Statistics](#) under [Statistics in Line](#) "Transport".

Data on traffic of ships, passengers and goods in seaports were published in the First Release TRAN-2023-3-1 "Traffic in Seaports", and data on traffic of passengers and freight in airports in the First Release TRAN-2023-2-1 "Traffic in Airports".

Sources and methods of data collection

The data on transport are collected through weekly, monthly and quarterly statistical surveys. The purpose of the surveys is to collect the data on the transport of passengers and goods and to calculate the performance indicators on transport expressed in tonne-kilometres and passenger-kilometres.

Observation and reporting units on road line passenger transport, urban transport, pipeline transport, seawater and coastal transport, and air transport are national carriers, that is, operators registered in the transport activity (section H of the NKD 2007) in the Statistical Business Register of the Croatian Bureau of Statistics.

Observation units in the statistical survey on the road transport of goods are freight road vehicles (including road tractors) with a loading capacity of over 3 500 kg that are registered with the Ministry of the Interior. Reporting units are business entities (legal entities and natural persons) who own or just use a freight road vehicle selected into the sample.

Since the third quarter of 2022, data on inland waterway transport have been collected via the Inland Navigation Information System (ISUP) of the Ministry of Sea, Traffic and Infrastructure. Until the third quarter of 2022, the data were collected by the Report on Arrival of Vessels in Inland Waterway Ports and the Report on Departure of Vessels from Inland Waterway Ports. The data were delivered by harbour master's offices of inland waterway ports.

Coverage

The data on the railway transport of passengers include the urban and suburban transport of passengers and passengers in transit through the Republic of Croatia. Data on railway transport of goods relate to the operation of all railway carriers in the railway network of the Republic of Croatia.

The data on the road transport refer to the operation of owners or users of freight vehicles selected by the sample. In the quarterly dynamics, 2 600 vehicles have been selected in the sample. The data, that is, estimates with the variation coefficient values ranging between 10.0 and 30.0 are separately marked as less accurate values.

The data on the road line transport of passengers are related to the activity of business entities (legal entities and natural persons) engaged in the transport of passengers by coaches and holding the concession for performing the public line transport of passengers on international, inter-county and county lines.

The urban transport of passengers covers the organised public transport of passengers in cities with a population of over 40 000 conducted by business entities engaged in the urban transport of passengers (by trams and buses). Included are the active business entities employing more than ten persons registered in section H, class 49.31 Urban and suburban passenger land transport, of the NKD 2007 in the Statistical Business Register of the Croatian Bureau of Statistics.

The survey on the seawater and coastal transport covers all business entities engaged in the public seawater and coastal line transport of passengers and business entities whose principal or subsidiary activity is seawater and coastal transport of goods. The selection of reporting units engaged in the activity of transporting goods is prepared every year on the basis of the defined threshold for being included in the survey (ten or more persons in employment). Cross-trade transport is included.

The data on air transport of passengers and freight are submitted by national air operators engaged in the commercial air transport of passengers and freight (goods and mail).

The transport via pipelines covers oil transport and gas transport. Data refer to activities of legal entities engaged in oil and gas transport via pipelines.

The data on the transport in inland waterways include the transport of goods on vessels under the domestic and foreign flags on the territory of the Republic of Croatia. Transit is not included.

Definitions

International transport includes conveying between the place of embarkation/loading in the Republic of Croatia and the place of disembarkation/unloading abroad, or vice versa, as well as between two places in another country.

Transit implies a transport through the Croatian territory in the same means of transport between two places (the place of embarkation/loading and the place of disembarkation/unloading), both located in another country or in other countries.

Cross-trade road transport implies international transport of goods performed by domestic operators with the place of loading and unloading being located in a foreign country.

Passenger-kilometre is a unit of measure representing the transport of one person over a distance of one kilometre. The calculation of passenger-kilometres for the rail transport takes into account only the distance travelled on the territory of the Republic of Croatia.

Tonne-kilometre is a unit of measure representing the transport of one tonne over a distance of one kilometre. The calculation of tonne-kilometres for the rail transport takes into account only the distance travelled on the territory of the Republic of Croatia including transit. The calculation of tonne-kilometres for the inland waterway transport takes into account only the distance travelled on the territory of the Republic of Croatia, but transit is not included.

The road transport of goods and road tonne-kilometres relate to the movement of freight vehicles registered in the Republic of Croatia.

Abbreviations

kg	kilogram
mln	million
NKD 2007	National Classification of Activities, 2007 version
pkm	passenger-kilometre
t	tonne
tkm	tonne-kilometre
'000	thousand

Symbols

()	less accurate data
0	value not zero, but less than 0.5 of the unit of measure used

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Phone: (+385 1) 48 06 111

Press corner: press@dzs.hr

Persons responsible:

Edita Omerzo, Director of Spatial Statistics Directorate

Lidija Brković, Director General

Prepared by:

Snježana Kos, Korana Šakić Pokrivač, Lidija Pilat, Ninoslava Podnar and Laura Čelić

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Customer Relations and Data Protection Department

Information and user requests

Phone: (+385 1) 48 06 138, 48 06 154, 48 06 115

E-mail: stat.info@dzs.hr

Subscription

Phone: (+385 1) 21 00 455

E-mail: prodaja@dzs.hr