



TRANSPORT, FIRST QUARTER OF 2023¹⁾

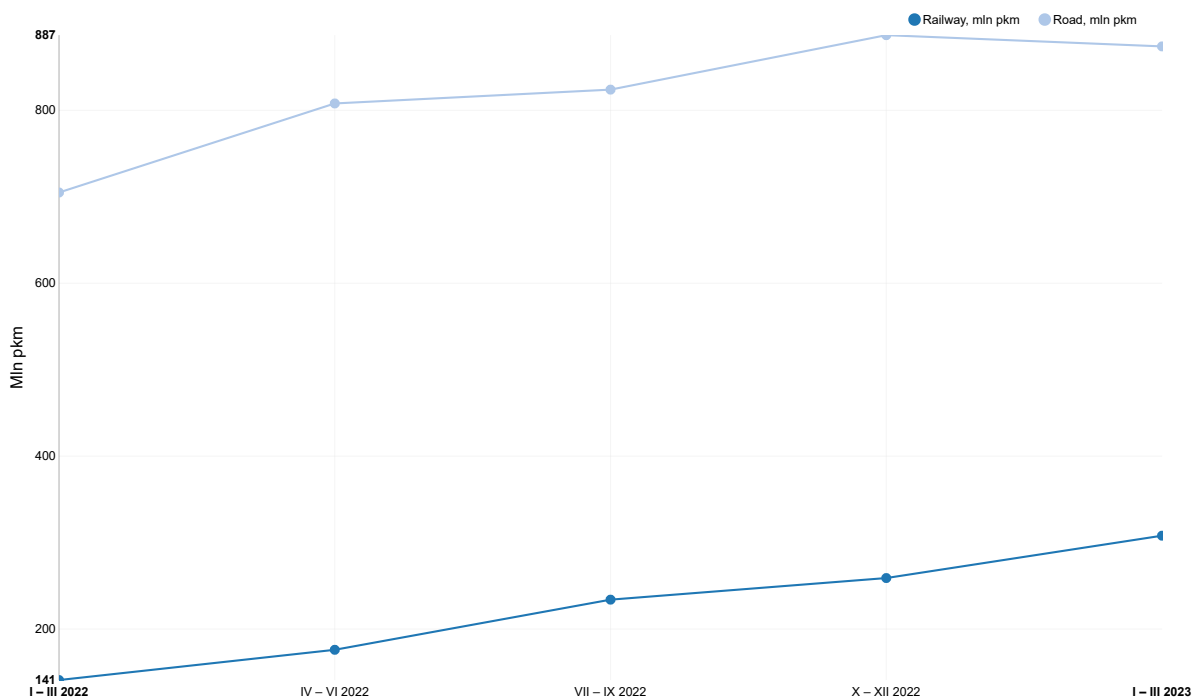
The total number of passengers carried in the first quarter of 2023 amounted to 18.1 million, which means that it increased by 18.3% compared to the first quarter of 2022. An increase in the transport of passengers was recorded in the road line transport by coaches, of 7.6%, in the transport by Croatian air carriers, of 46.9%, and by Croatian shippers in seawater and coastal transport, of 7.2%. In the railway transport, according to provisional data, 43.9% more passengers were transported. Compared to the first quarter of 2019, the total transport of passengers decreased by 5.8%.

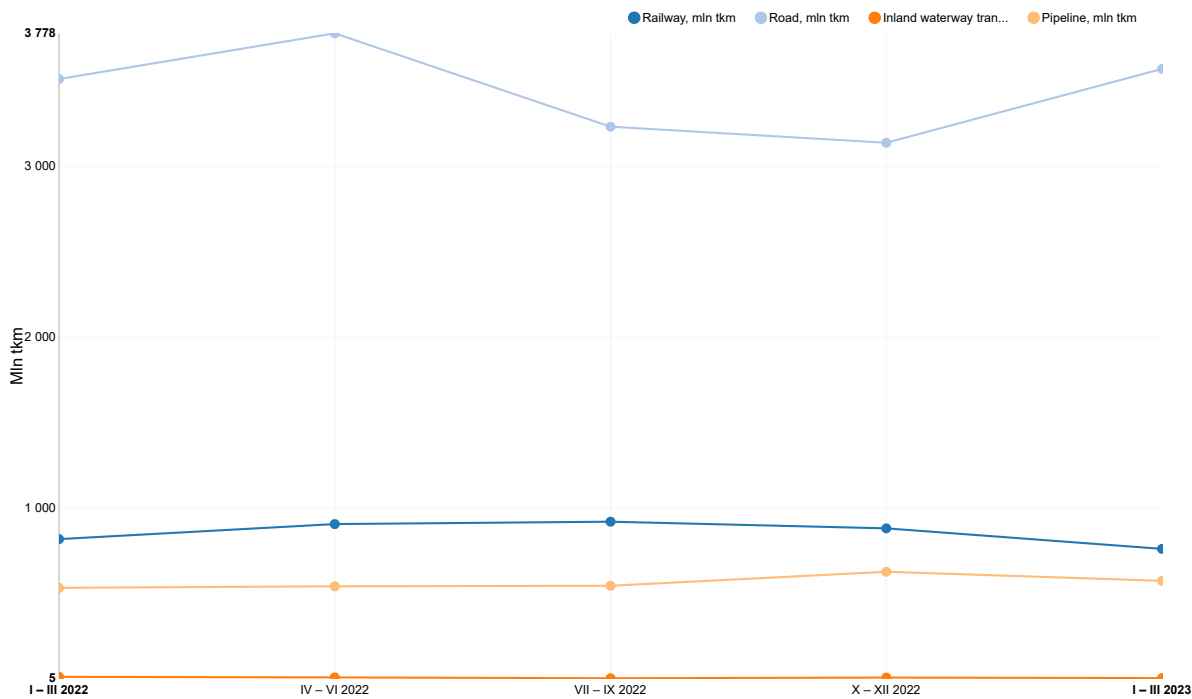
According to the final data, in the period from January to December 2022, the total number of passengers transported amounted to 82.5 million, which was 42.6% more than in the same period of 2021. An increase in the transport of passengers was realised in railway transport, of 37.3%, in road line transport, of 52.6%, in air transport, of 126.4%, and in seawater and coastal transport, of 16.1%. Compared to the same period of 2019, the total transport of passengers decreased by 1.8%.

A total of 29.0 million tonnes of goods were transported in the first quarter of 2023, which was a decrease of 8.7% compared to the first quarter of 2022. The transport of goods decreased in seawater and coastal transport by Croatian shippers, by 38.1%, in the transport of goods by freight vehicles with Croatian plates, by 2.9%, in inland waterway transport by ships under all flags, by 55.8%, and in the transport of goods by railway carriers, by 11.2%. An increase in the transport of goods was recorded by Croatian air carriers, of 13.2%, and in pipeline transport, of 6.3%.

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		
		I - III	X - XII	I - XII	I - III	I - III 2023 X - XII 2022	I - III 2023 I - III 2022	I - XII 2022 I - XII 2021
Passengers carried ¹⁾	'000	15 266	18 608	82 546	18 056	97,0	118,3	142,6
Railway transport ¹⁾	'000	4 180	5 119	18 591	6 015	117,5	143,9	137,3
Road line transport	'000	9 379	11 032	47 292	10 092	91,5	107,6	152,6
Seawater and coastal transport	'000	1 405	1 914	14 261	1 506	78,7	107,2	116,1
Air transport	'000	302	543	2 401	443	81,7	146,9	226,4
Passenger-kilometres ¹⁾	Mln	1 255	1 902	7 655	1 755	92,3	139,9	172,4
Railway transport ¹⁾	Mln	141	259	815	308	118,9	218,0	150,9
Road line transport	Mln	705	887	3 224	874	98,6	124,0	134,7
Seawater and coastal transport	Mln	69	93	693	74	78,8	106,2	119,2
Air transport	Mln	339	663	2 923	499	75,3	147,3	316,4
Goods carried	'000 t	31 724	30 815	127 824	28 951	94,0	91,3	100,0
Railway transport	'000 t	3 995	3 907	16 257	3 548	90,8	88,8	107,1
Road line transport	'000 t	20 942	21 398	86 402	20 343	95,1	97,1	101,7
Seawater and coastal transport	'000 t	4 597	3 140	15 355	2 844	90,6	61,9	86,2
Inland waterway transport ²⁾	'000 t	180	126	583	80	63,2	44,2	83,6
Air transport	'000 t	0	0	2	0	87,8	113,2	114,6
Transport via pipelines	'000 t	2 010	2 244	9 225	2 136	95,2	106,3	100,7
Tonne-kilometres	Mln	26 804	23 823	105 466	26 083	109,5	97,3	91,9
Railway transport	Mln	819	882	3 529	762	86,4	93,0	111,2
Road line transport	Mln	3 511	3 138	13 659	3 570	113,8	101,7	100,2
Seawater and coastal transport	Mln	21 928	19 165	85 989	21 170	110,5	96,5	89,8
Inland waterway transport ²⁾	Mln	13	9	37	6	62,9	45,6	109,8
Air transport	Mln	0	0	1	0	88,7	108,9	112,2
Transport via pipelines	Mln	534	628	2 250	575	91,5	107,8	104,0

1) Provisional data for 2023.

2) Transit is not included.

2 RAILWAY TRANSPORT

	Unit of measure	2022			2023	Indices		
		I – III	X – XII	I – XII	I – III	<u>I – III 2023</u> <u>X – XII 2022</u>	<u>I – III 2023</u> <u>I – III 2022</u>	<u>I – XII 2022</u> <u>I – XII 2021</u>
Passengers carried ¹⁾	'000	4 180	5 119	18 591	6 015	117,5	143,9	137,3
National transport ¹⁾	'000	4 147	5 058	18 228	5 964	117,9	143,8	136,8
International transport ¹⁾	'000	33	61	363	51	84,4	154,7	165,9
Passenger-kilometres ¹⁾	Mln	141	259	815	308	118,9	218,0	150,9
National transport ¹⁾	Mln	141	257	749	307	119,4	218,3	154,8
International transport ¹⁾	Mln	1	2	65	1	62,3	156,4	117,6
Goods carried	'000 t	3 995	3 907	16 257	3 548	90,8	88,8	107,1
National transport	'000 t	868	692	3 243	617	89,1	71,1	106,4
International transport – loading	'000 t	1 450	1 404	5 852	1 326	94,4	91,5	101,2
International transport – unloading	'000 t	439	470	1 929	374	79,7	85,3	118,1
Transit	'000 t	1 238	1 340	5 234	1 230	91,8	99,4	111,0
Tonne-kilometres	Mln	819	882	3 529	762	86,4	93,0	111,2
National transport	Mln	173	155	674	137	89,0	79,4	87,0
International transport – loading	Mln	254	267	1 073	256	95,9	100,7	108,5
International transport – unloading	Mln	143	164	668	131	80,0	91,6	141,1
Transit	Mln	248	296	1 115	237	80,0	95,4	119,1
Out of total goods transport – transport of dangerous goods	'000 t	251	340	1 374	288	84,6	114,4	98,2

1) Provisional data for 2023

3 ROAD LINE TRANSPORT OF PASSENGERS BY COACHES

	Unit of measure	2022			2023	Indices		
		I – III	X – XII	I – XII	I – III	<u>I – III 2023</u> <u>X – XII 2022</u>	<u>I – III 2023</u> <u>I – III 2022</u>	<u>I – XII 2022</u> <u>I – XII 2021</u>
Passengers carried	'000	9 379	11 032	47 292	10 092	91,5	107,6	152,6
National transport	'000	8 744	10 709	44 306	9 474	88,5	108,3	150,9
International transport	'000	635	323	2 986	618	191,3	97,3	183,8
Passenger-kilometres	Mln	705	887	3 224	874	98,6	124,0	134,7
National transport	Mln	635	735	2 696	682	92,8	107,5	120,8
International transport	Mln	70	151	529	192	126,8	274,3	326,7

4 URBAN TRANSPORT BY BUSES AND TRAMS

	Unit of measure	2022			2023	Indices		
		I – III	X – XII	I – XII	I – III	<u>I – III 2023</u> <u>X – XII 2022</u>	<u>I – III 2023</u> <u>I – III 2022</u>	<u>I – XII 2022</u> <u>I – XII 2021</u>
Buses	Number	1 310	1 351	1 351	1 328	98,3	101,4	102,6
Kilometres travelled by buses	'000	16 276	16 847	66 010	16 988	100,8	104,4	101,8
Passengers carried	'000	32 161	31 866	128 333	29 400	92,3	91,4	104,3
Trams ¹⁾	Number	341	338	338	336	99,4	98,5	98,0
Kilometres travelled by trams	'000	3 407	3 188	12 693	3 194	100,2	93,7	94,3
Passengers carried	'000	29 694	31 969	119 735	28 909	90,4	97,4	100,1

1) Including motorised cars and trailers.

5 ROAD TRANSPORT OF GOODS

	Unit of measure	2022			2023	Indices		
		I – III	X – XII	I – XII	I – III	I – III 2023 X – XII 2022	I – III 2023 I – III 2022	I – XII 2022 I – XII 2021
Goods carried – total	'000 t	20 942	21 398	86 402	20 343	95,1	97,1	101,7
National transport	'000 t	16 617	17 554	70 293	16 274	92,7	97,9	101,5
Dispatched to foreign countries	'000 t	1 529	1 510	5 911	1 411	93,4	92,3	101,8
Received from foreign countries	'000 t	1 326	1 172	5 062	1 477	126,0	111,4	96,8
Cross-trade transport	'000 t	1 470	1 161	5 136	1 180	101,6	80,3	110,5
Tonne-kilometres	Mln	3 511	3 138	13 659	3 570	113,8	101,7	100,2
National transport	Mln	1 090	1 186	4 854	1 221	103,0	112,0	101,1
Dispatched to foreign countries	Mln	795	720	3 017	768	106,6	96,5	98,9
Received from foreign countries	Mln	712	664	2 741	851	128,1	119,4	100,8
Cross-trade transport	Mln	913	568	3 047	731	128,5	80,0	99,7
Road transport of goods for hire or reward								
Goods carried	'000 t	11 124	12 188	46 813	10 737	88,1	96,5	101,6
Tonne-kilometres	Mln	2 977	2 693	11 504	3 050	113,3	102,5	98,9
Road transport of goods for own account								
Goods carried	'000 t	9 818	9 210	39 589	9 606	104,3	97,8	101,9
Tonne-kilometres	Mln	534	446	2 155	520	116,8	97,4	107,7
Out of total goods transport – transport of dangerous goods	'000 t	(664)	(886)	3 750	(969)	109,4	145,9	96,2

6 TRANSPORT VIA PIPELINES

	Unit of measure	2022			2023	Indices		
		I – III	X – XII	I – XII	I – III	I – III 2023 X – XII 2022	I – III 2023 I – III 2022	I – XII 2022 I – XII 2021
Oil transport	'000 t	1 264	1 361	5 794	1 349	99,1	106,7	85,1
Tonne-kilometres	Mln	373	468	1 634	414	88,5	110,9	97,7
Gas transport	'000 t	746	883	3 431	787	89,2	105,6	145,9
Tonne-kilometres	Mln	160	160	616	161	100,5	100,5	125,2

7 SEAWATER AND COASTAL TRANSPORT

	Unit of measure	2022			2023	Indices		
		I – III	X – XII	I – XII	I – III	I – III 2023 X – XII 2022	I – III 2023 I – III 2022	I – XII 2022 I – XII 2021
Passengers carried	'000	1 405	1 914	14 261	1 506	78,7	107,2	116,1
National transport	'000	1 401	1 897	14 128	1 499	79,0	107,0	115,6
International transport	'000	4	17	133	7	39,3	165,6	223,4
Out of total, carried by ferries	'000	1 128	1 479	11 134	1 204	81,4	106,8	112,6
Passenger-kilometres	Mln	69	93	693	74	78,8	106,2	119,2
National transport	Mln	68	89	665	72	80,6	105,3	116,9
International transport	Mln	1	4	28	2	41,1	165,6	221,3
Goods carried	'000 t	4 597	3 140	15 355	2 844	90,6	61,9	86,2
National transport	'000 t	100	134	622	93	69,4	93,4	84,2
International transport	'000 t	4 497	3 006	14 733	2 751	91,5	61,2	86,3
Tonne-kilometres	Mln	21 928	19 165	85 989	21 170	110,5	96,5	89,8
National transport	Mln	26	39	170	20	50,2	76,7	81,0
International transport	Mln	21 902	19 126	85 820	21 150	110,6	96,6	89,9

8 AIR TRANSPORT

	Unit of measure	2022			2023	Indices		
		I – III	X – XII	I – XII	I – III	I – III 2023 X – XII 2022	I – III 2023 I – III 2022	I – XII 2022 I – XII 2021
Passengers carried	'000	302	543	2 401	443	81,7	146,9	226,4
National transport	'000	59	95	363	82	86,1	138,5	148,8
International transport	'000	243	448	2 038	362	80,8	148,9	249,6
Passenger-kilometres	Mln	339	663	2 923	499	75,3	147,3	316,4
National transport	Mln	19	31	115	26	84,8	139,7	150,3
International transport	Mln	320	632	2 808	473	74,9	147,7	331,4
Freight carried	t	348	449	1 511	394	87,8	113,2	114,6
National transport	t	9	15	103	9	60,0	100,0	127,2
International transport	t	339	434	1 408	385	88,7	113,6	113,7
Tonne-kilometres	'000	302	371	1 251	329	88,7	108,9	112,2
National transport	'000	3	4	30	2	50,0	66,7	130,4
International transport	'000	299	367	1 221	327	89,1	109,4	111,8

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

Published by the Croatian Bureau of Statistics, Zagreb, Ilica 3, P. O. B. 80

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

USERS ARE KINDLY REQUESTED TO STATE THE SOURCE.

Customer Relations and Data Protection Department

Information and user requests

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

E-mail: stat.info@dzs.hr

Subscription

Phone: (+385 1) 48 06 115

E-mail: prodaja@dzs.hr