



TRANSPORT, SECOND QUARTER OF 2023¹⁾

The total number of passengers carried in the second quarter of 2023 amounted to 22.8 million, which was a decrease of 11.8% compared to the second quarter of 2022. A decrease was also noticeable in the transport of passengers in the road line transport by coaches, of 29.3%. An increase was generated by Croatian air carriers, of 24.7%, and by Croatian shippers in seawater and coastal transport, of 9.0%. According to provisional data, 32.4% more passengers were transported in the railway transport.

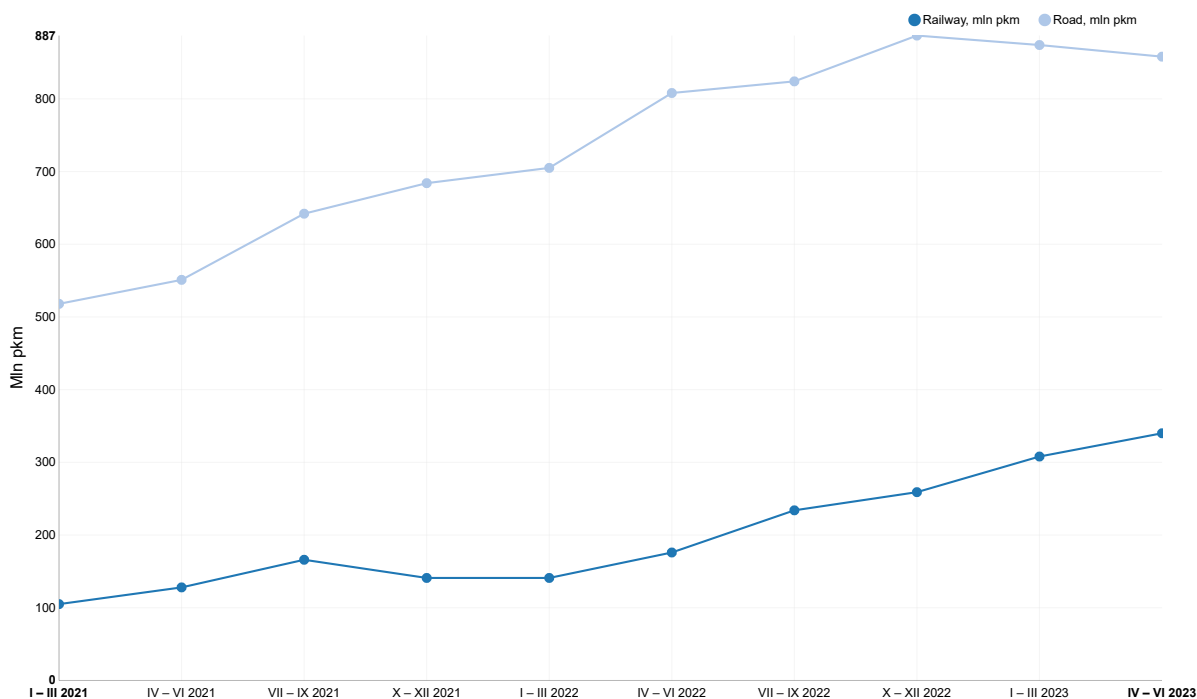
In the period from January to June 2023, a total number of passengers transported amounted to 40.8 million, which was 0.6% less than in the same period of 2022. The data for the road line transport of passengers also indicate a decrease, of 16.2%. An increase was achieved in railway transport, of 37.8%, in air transport, of 32.1%, and in seawater and coastal transport, of 8.5%.

A total of 33.5 million tonnes of goods were transported in the second quarter of 2023, which was a decrease of 3.8% compared to the second quarter of 2022. A decrease was recorded in the transport of goods by seawater and coastal transport by Croatian shippers, of 12.2%, by freight vehicles with Croatian plates, of 3.6%, in inland waterway transport by ships under all flags, of 32.8%, by railway carriers, of 8.2%. An increase in the transport of goods was generated by Croatian air carriers, of 14.9% and in pipeline transport, of 18.8%.

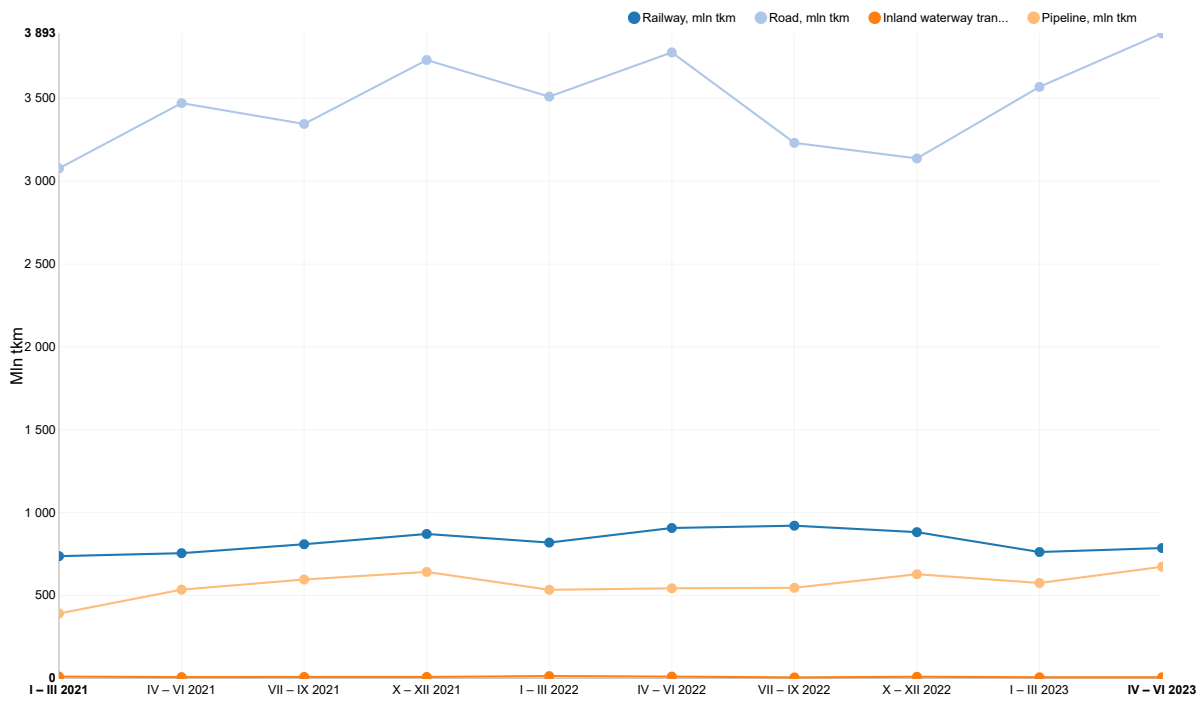
In the period from January to June 2023, a total of 62.4 million tonnes of goods were transported, which was 6.1% less than in the same period of 2022. A decrease was recorded in road transport, of 3.3%, in seawater and coastal transport, of 26.0%, in railway transport, of 9.6%, and in inland waterway transport, of 45.0%. An increase was achieved in air transport, of 14.0%, and in pipeline transport, of 13.1%.

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		
		IV - VI	I - VI	IV - VI	I - VI	IV - VI 2023 I - III 2023	IV - VI 2023 IV - VI 2022	I - VI 2023 I - VI 2022
Passengers carried ¹⁾	'000	25 814	41 080	22 780	40 836	126,2	88,2	99,4
Railway transport ¹⁾	'000	4 673	8 853	6 186	12 201	102,9	132,4	137,8
Road line transport	'000	17 079	26 458	12 072	22 164	119,6	70,7	83,8
Seawater and coastal transport	'000	3 463	4 868	3 775	5 281	250,7	109,0	108,5
Air transport	'000	599	901	747	1 190	168,4	124,7	132,1
Passenger-kilometres ¹⁾	Mln	1 866	3 120	2 300	4 055	131,0	123,3	130,0
Railway transport ¹⁾	Mln	180	322	340	649	110,4	188,9	201,7
Road line transport	Mln	808	1 513	858	1 732	98,2	106,2	114,5
Seawater and coastal transport	Mln	170	239	184	258	250,5	108,5	107,8
Air transport	Mln	707	1 046	917	1 416	183,6	129,6	135,3
Goods carried	'000 t	34 778	66 503	33 464	62 414	115,6	96,2	93,9
Railway transport	'000 t	4 184	8 179	3 843	7 391	108,3	91,8	90,4
Road line transport	'000 t	24 003	44 946	23 128	43 471	113,7	96,4	96,7
Seawater and coastal transport	'000 t	4 043	8 639	3 549	6 393	124,8	87,8	74,0
Inland waterway transport ²⁾	'000 t	159	339	107	186	134,3	67,2	55,0
Air transport	'000 t	0	1	0	1	98,0	114,9	114,0
Transport via pipelines	'000 t	2 388	4 399	2 837	4 973	132,8	118,8	113,1
Tonne-kilometres	Mln	28 770	55 574	27 382	53 465	105,0	95,2	96,2
Railway transport	Mln	907	1 726	786	1 548	103,3	86,7	89,7
Road line transport	Mln	3 778	7 288	3 893	7 463	109,0	103,0	102,4
Seawater and coastal transport	Mln	23 532	45 460	22 024	43 194	104,0	93,6	95,0
Inland waterway transport ²⁾	Mln	10	23	6	12	102,8	58,2	51,2
Air transport	Mln	0	1	0	1	93,0	110,9	109,9
Transport via pipelines	Mln	543	1 076	673	1 248	117,0	124,0	115,9

1) Provisional data for 2023.

2) Transit is not included.

2 RAILWAY TRANSPORT

	Unit of measure	2022		2023		Indices		
		IV – VI	I – VI	IV – VI	I – VI	<u>IV – VI 2023</u> <u>I – III 2023</u>	<u>IV – VI 2023</u> <u>IV – VI 2022</u>	<u>I – VI 2023</u> <u>I – VI 2022</u>
Passengers carried ¹⁾	'000	4 673	8 853	6 186	12 201	102,9	132,4	137,8
National transport ¹⁾	'000	4 592	8 740	6 093	12 057	102,2	132,7	138,0
International transport ¹⁾	'000	81	114	93	145	181,8	115,7	127,1
Passenger-kilometres ¹⁾	Mln	180	322	340	649	110,4	188,9	201,7
National transport ¹⁾	Mln	170	311	332	639	108,0	195,1	205,6
International transport ¹⁾	Mln	10	11	9	10	651,3	84,7	90,2
Goods carried	'000 t	4 184	8 179	3 843	7 391	108,3	91,8	90,4
National transport	'000 t	865	1 734	688	1 305	111,5	79,5	75,3
International transport – loading	'000 t	1 439	2 889	1 413	2 739	106,6	98,2	94,8
International transport – unloading	'000 t	510	949	355	729	94,7	69,5	76,8
Transit	'000 t	1 370	2 607	1 387	2 617	112,7	101,3	100,4
Tonne-kilometres	Mln	907	1 726	786	1 548	103,3	86,7	89,7
National transport	Mln	177	350	140	278	102,0	79,1	79,3
International transport – loading	Mln	246	500	268	524	104,7	108,9	104,7
International transport – unloading	Mln	187	330	120	252	91,4	64,2	76,1
Transit	Mln	297	545	258	495	109,0	87,1	90,9
Out of total goods transport – transport of dangerous goods	'000 t	415	667	259	547	90,1	62,4	82,0

1) Provisional data for 2023

3 ROAD LINE TRANSPORT OF PASSENGERS BY COACHES

	Unit of measure	2022		2023		Indices		
		IV – VI	I – VI	IV – VI	I – VI	<u>IV – VI 2023</u> <u>I – III 2023</u>	<u>IV – VI 2023</u> <u>IV – VI 2022</u>	<u>I – VI 2023</u> <u>I – VI 2022</u>
Passengers carried	'000	17 079	26 458	12 072	22 164	119,6	70,7	83,8
National transport	'000	15 969	24 713	11 255	20 729	118,8	70,5	83,9
International transport	'000	1 110	1 745	817	1 435	132,2	73,6	82,2
Passenger-kilometres	Mln	808	1 513	858	1 732	98,2	106,2	114,5
National transport	Mln	684	1 319	688	1 370	100,8	100,6	103,9
International transport	Mln	125	195	171	362	89,2	136,9	186,2

4 URBAN TRANSPORT BY BUSES AND TRAMS

	Unit of measure	2022		2023		Indices		
		IV – VI	I – VI	IV – VI	I – VI	<u>IV – VI 2023</u> <u>I – III 2023</u>	<u>IV – VI 2023</u> <u>IV – VI 2022</u>	<u>I – VI 2023</u> <u>I – VI 2022</u>
Buses	Number	1 322	1 322	1 344	1 344	101,2	101,7	101,7
Kilometres travelled by buses	'000	16 563	32 839	16 787	33 775	98,8	101,4	102,9
Passengers carried	'000	35 075	67 236	31 678	61 078	107,7	90,3	90,8
Trams ¹⁾	Number	341	341	336	336	100,0	98,5	98,5
Kilometres travelled by trams	'000	3 210	6 617	3 021	6 215	94,6	94,1	93,9
Passengers carried	'000	31 697	61 391	28 523	57 432	98,7	90,0	93,6

1) Including motorised cars and trailers.

5 ROAD TRANSPORT OF GOODS

	Unit of measure	2022		2023		Indices		
		IV – VI	I – VI	IV – VI	I – VI	<u>IV – VI 2023</u> I – III 2023	<u>IV – VI 2023</u> IV – VI 2022	<u>I – VI 2023</u> I – VI 2022
Goods carried – total	'000 t	24 003	44 946	23 128	43 471	113,7	96,4	96,7
National transport	'000 t	19 806	36 423	18 887	35 161	116,1	95,4	96,5
Dispatched to foreign countries	'000 t	1 534	3 063	1 387	2 798	98,3	90,4	91,3
Received from foreign countries	'000 t	1 291	2 617	1 530	3 007	103,6	118,5	114,9
Cross-trade transport	'000 t	1 372	2 843	1 325	2 505	112,3	96,6	88,1
Tonne-kilometres	Mln	3 778	7 288	3 893	7 463	109,0	103,0	102,4
National transport	Mln	1 344	2 435	1 423	2 644	116,5	105,8	108,6
Dispatched to foreign countries	Mln	848	1 644	712	1 480	92,8	83,9	90,0
Received from foreign countries	Mln	768	1 480	800	1 651	94,1	104,2	111,5
Cross-trade transport	Mln	817	1 730	957	1 688	131,1	117,2	97,6
Road transport of goods for hire or reward								
Goods carried	'000 t	12 741	23 866	12 800	23 537	119,2	100,5	98,6
Tonne-kilometres	Mln	3 160	6 137	3 355	6 405	110,0	106,2	104,4
Road transport of goods for own account								
Goods carried	'000 t	11 257	21 075	10 328	19 934	107,5	91,7	94,6
Tonne-kilometres	Mln	615	1 149	538	1 058	103,3	87,5	92,1
Out of total goods transport – transport of dangerous goods	'000 t	(1 041)	1 706	(1 015)	1 983	104,7	97,5	116,2

6 TRANSPORT VIA PIPELINES

	Unit of measure	2022		2023		Indices		
		IV – VI	I – VI	IV – VI	I – VI	<u>IV – VI 2023</u> I – III 2023	<u>IV – VI 2023</u> IV – VI 2022	<u>I – VI 2023</u> I – VI 2022
Oil transport	'000 t	1 525	2 790	1 971	3 320	146,2	129,3	119,0
Tonne-kilometres	Mln	401	775	524	938	126,6	130,7	121,2
Gas transport	'000 t	863	1 609	865	1 652	109,9	100,2	102,7
Tonne-kilometres	Mln	142	302	148	309	92,2	104,8	102,5

7 SEAWATER AND COASTAL TRANSPORT

	Unit of measure	2022		2023		Indices		
		IV – VI	I – VI	IV – VI	I – VI	<u>IV – VI 2023</u> I – III 2023	<u>IV – VI 2023</u> IV – VI 2022	<u>I – VI 2023</u> I – VI 2022
Passengers carried	'000	3 463	4 868	3 775	5 281	250,7	109,0	108,5
National transport	'000	3 445	4 846	3 753	5 252	250,4	108,9	108,4
International transport	'000	18	23	22	28	318,3	116,6	125,5
Out of total, carried by ferries	'000	2 783	3 911	2 999	4 203	249,1	107,7	107,5
Passenger-kilometres	Mln	170	239	184	258	250,5	108,5	107,8
National transport	Mln	166	234	180	252	250,3	108,3	107,4
International transport	Mln	4	5	4	6	259,6	116,6	127,1
Goods carried	'000 t	4 043	8 639	3 549	6 393	124,8	87,8	74,0
National transport	'000 t	190	289	181	273	194,4	95,3	94,6
International transport	'000 t	3 853	8 350	3 369	6 119	122,5	87,4	73,3
Tonne-kilometres	Mln	23 532	45 460	22 024	43 194	104,0	93,6	95,0
National transport	Mln	52	77	46	65	234,0	88,8	84,8
International transport	Mln	23 480	45 383	21 978	43 129	103,9	93,6	95,0

8 AIR TRANSPORT

	Unit of measure	2022		2023		Indices		
		IV – VI	I – VI	IV – VI	I – VI	IV – VI 2023 I – III 2023	IV – VI 2023 IV – VI 2022	I – VI 2023 I – VI 2022
Passengers carried	'000	599	901	747	1 190	168,4	124,7	132,1
National transport	'000	91	150	115	197	140,2	125,9	130,8
International transport	'000	508	750	632	993	174,8	124,5	132,4
Passenger-kilometres	Mln	707	1 046	917	1 416	183,6	129,6	135,3
National transport	Mln	29	47	37	63	140,3	127,2	132,1
International transport	Mln	678	999	880	1 353	186,0	129,7	135,5
Freight carried	t	336	684	386	780	98,0	114,9	114,0
National transport	t	32	41	33	42	366,7	103,1	102,4
International transport	t	304	643	353	738	91,7	116,1	114,8
Tonne-kilometres	'000	276	578	306	635	93,0	110,9	109,9
National transport	'000	9	12	10	12	500,0	111,1	100,0
International transport	'000	267	566	296	623	90,5	110,9	110,1

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