

First Release

Year: LIX.

Zagreb, 15 February 2023

TRAN-2022-1-1/4

ISSN 1334-0557



TRANSPORT, FOURTH QUARTER OF 2022¹⁾

The total number of passengers carried in the fourth quarter of 2022 amounted to 18.6 million, which means that it increased by 25.2% compared to the fourth quarter of 2021. An increase in the transport of passengers was recorded in the road line transport by coaches, of 24.7%, in the transport by Croatian air carriers, of 82.3%, and by Croatian shippers in seawater and coastal transport, of 13.7%. In the railway transport, according to provisional data, 26.8% more passengers were transported. Compared to the fourth quarter of 2019, the transport of passengers decreased by 6.1%.

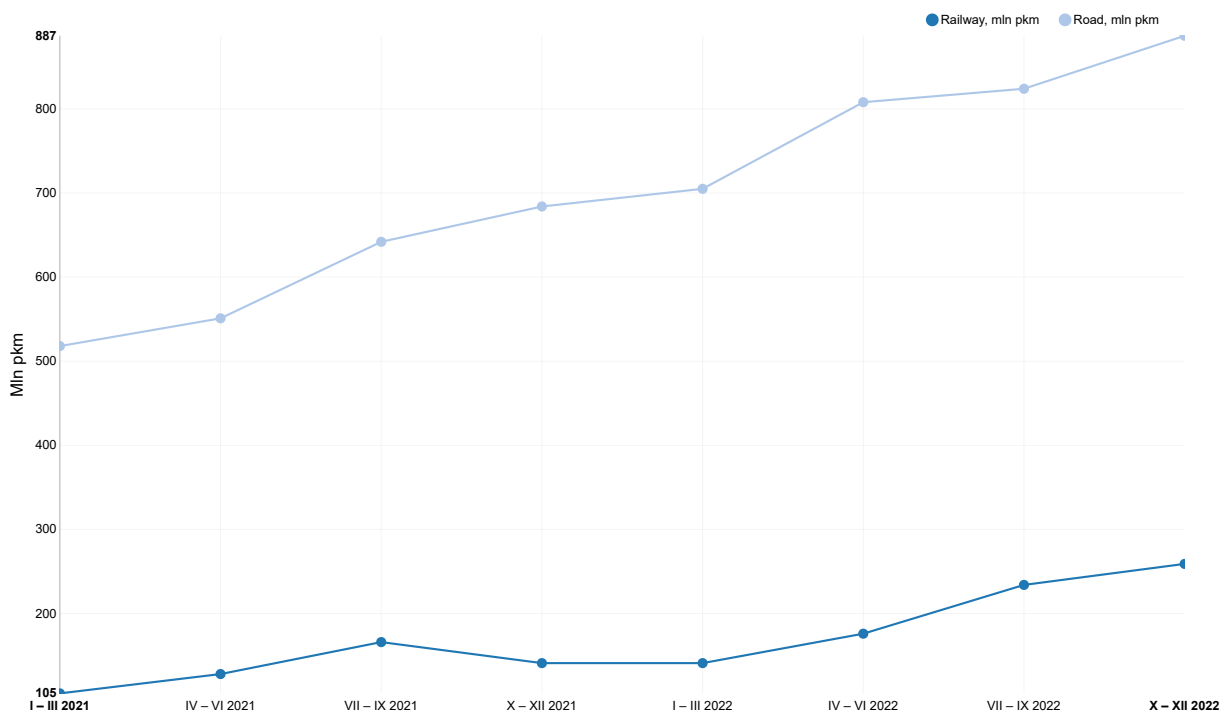
In the period from January to December 2022, the total number of passengers transported amounted to 82.2 million, which was 42.0% more than in the same period of 2021. An increase in the transport of passengers was realised in railway transport, of 34.5%, in road line transport, of 52.6%, in air transport, of 126.4%, and in seawater and coastal transport, of 16.1%. Compared to the same period of 2019, the transport of passengers decreased by 2.3%.

A total of 30.8 million tonnes of goods were transported in the fourth quarter of 2022, which was a decrease of 9.1% compared to the fourth quarter of 2021. The transport of goods decreased in seawater and coastal transport by Croatian shippers, by 29.9%, in the transport of goods by freight vehicles with Croatian plates, by 6.7%, in inland waterway transport by ships under all flags, by 9.2%, and in the transport of goods by railway carriers, by 6.4%. An increase in the transport of goods was recorded by Croatian air carriers, of 23.0%, and in pipeline transport, of 2.8%.

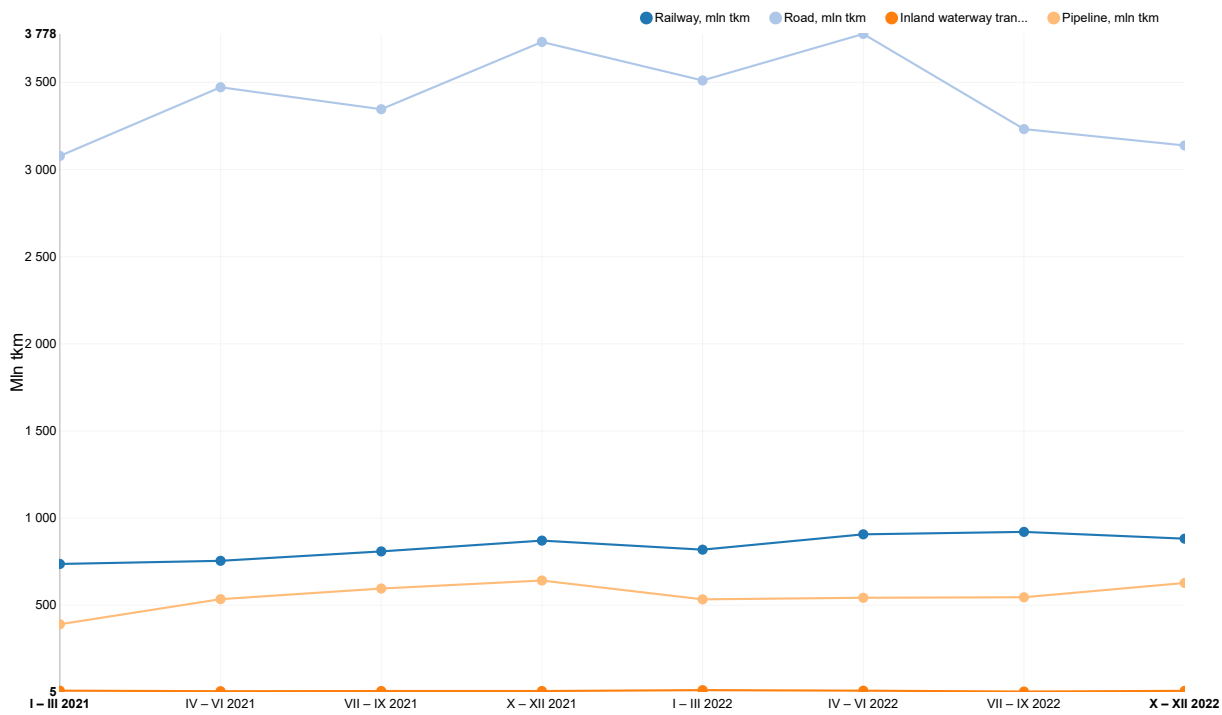
In the period from January to December 2022, a total of 127.8 million tonnes of goods were transported, which was equal to same period of 2021. An increase was recorded in road transport, of 1.7%, in railway transport, of 7.1%, in air transport, of 14.6%, and in pipeline transport, of 0.7%. The transport of goods decreased in seawater and coastal transport, by 13.8%, and in inland waterway transport, by 16.4%.

1) See Notes on Methodology.

G-1 PASSENGER-KILOMETRES PERFORMED IN INLAND TRANSPORT, 2021 AND 2022



G-2 TONNE-KILOMETRES PERFORMED IN INLAND TRANSPORT, 2021 AND 2022



1 TRANSPORT OF PASSENGERS AND GOODS, BY TRANSPORT MODES

	Unit of measure	2021		2022		Indices		
		X - XII	I - XII	X - XII	I - XII	$\frac{X - XII\ 2022}{VII - IX\ 2022}$	$\frac{X - XII\ 2022}{X - XII\ 2021}$	$\frac{I - XII\ 2022}{I - XII\ 2021}$
Passengers carried ¹⁾	'000	14 856	57 874	18 595	82 170	81,3	125,2	142,0
Railway transport ¹⁾	'000	4 026	13 541	5 106	18 216	110,4	126,8	134,5
Road line transport	'000	8 849	30 993	11 032	47 292	112,5	124,7	152,6
Seawater and coastal transport	'000	1 683	12 280	1 914	14 261	25,6	113,7	116,1
Air transport	'000	298	1 061	543	2 401	56,6	182,3	226,4
Passenger-kilometres ¹⁾	Mln	1 163	4 439	1 902	7 651	72,2	163,5	172,3
Railway transport ¹⁾	Mln	141	540	259	811	110,4	183,1	150,1
Road line transport	Mln	684	2 394	887	3 224	107,5	129,7	134,7
Seawater and coastal transport	Mln	82	582	93	693	25,9	113,5	119,2
Air transport	Mln	256	924	663	2 923	54,6	259,3	316,4
Goods carried	'000 t	33 915	127 794	30 815	127 824	101,0	90,9	100,0
Railway transport	'000 t	4 175	15 176	3 907	16 257	93,7	93,6	107,1
Road line transport	'000 t	22 940	84 953	21 398	86 402	106,7	93,3	101,7
Seawater and coastal transport	'000 t	4 479	17 809	3 140	15 355	87,8	70,1	86,2
Inland waterway transport ²⁾	'000 t	139	697	126	583	106,8	90,8	83,6
Air transport	'000 t	0	1	0	2	118,8	123,0	114,6
Transport via pipelines	'000 t	2 182	9 158	2 244	9 225	86,8	102,8	100,7
Tonne-kilometres	Mln	27 757	114 707	23 823	105 466	91,4	85,8	91,9
Railway transport	Mln	871	3 172	882	3 529	95,7	101,3	111,2
Road line transport	Mln	3 732	13 629	3 138	13 659	97,1	84,1	100,2
Seawater and coastal transport	Mln	22 504	95 707	19 165	85 989	89,7	85,2	89,8
Inland waterway transport ²⁾	Mln	8	34	9	37	189,4	112,5	109,8
Air transport	Mln	0	1	0	1	122,8	116,7	112,2
Transport via pipelines	Mln	642	2 164	628	2 250	115,2	97,9	104,0

1) Provisional data for 2022.

2) Transit is not included.

2 RAILWAY TRANSPORT

	Unit of measure	2021		2022		Indices		
		X – XII	I – XII	X – XII	I – XII	$\frac{X - XII\ 2022}{VII - IX\ 2022}$	$\frac{X - XII\ 2022}{X - XII\ 2021}$	$\frac{I - XII\ 2022}{I - XII\ 2021}$
Passengers carried ¹⁾	'000	4 026	13 541	5 106	18 216	110,4	126,8	134,5
National transport ¹⁾	'000	3 993	13 322	5 056	17 861	114,1	126,6	134,1
International transport ¹⁾	'000	33	219	50	355	25,9	151,8	161,9
Passenger-kilometres ¹⁾	Mln	141	540	259	811	110,4	183,1	150,1
National transport ¹⁾	Mln	140	484	257	745	141,4	183,7	153,9
International transport ¹⁾	Mln	1	56	2	65	3,5	123,7	117,0
Goods carried	'000 t	4 175	15 176	3 907	16 257	93,7	93,6	107,1
National transport	'000 t	930	3 049	692	3 243	84,7	74,5	106,4
International transport – loading	'000 t	1 552	5 780	1 404	5 852	90,1	90,5	101,2
International transport – unloading	'000 t	457	1 633	470	1 929	92,2	103,0	118,1
Transit	'000 t	1 238	4 713	1 340	5 234	104,2	108,3	111,0
Tonne-kilometres	Mln	871	3 172	882	3 529	95,7	101,3	111,2
National transport	Mln	197	774	155	674	91,5	78,6	87,0
International transport – loading	Mln	276	989	267	1 073	87,2	96,5	108,5
International transport – unloading	Mln	138	473	164	668	94,8	119,0	141,1
Transit	Mln	260	936	296	1 115	108,5	114,1	119,1
Out of total goods transport – transport of dangerous goods	'000 t	281	1 399	340	1 374	92,5	121,1	98,2

1) Provisional data for 2022

3 ROAD LINE TRANSPORT OF PASSENGERS BY COACHES

	Unit of measure	2021		2022		Indices		
		X – XII	I – XII	X – XII	I – XII	$\frac{X - XII\ 2022}{VII - XI\ 2022}$	$\frac{X - XII\ 2022}{X - XII\ 2021}$	$\frac{I - XII\ 2022}{I - XII\ 2021}$
Passengers carried	'000	8 849	30 993	11 032	47 292	112,5	124,7	152,6
National transport	'000	8 543	29 368	10 709	44 306	120,5	125,4	150,9
International transport	'000	306	1 625	323	2 986	35,2	105,6	183,8
Passenger-kilometres	Mln	684	2 394	887	3 224	107,5	129,7	134,7
National transport	Mln	652	2 232	735	2 696	114,6	112,7	120,8
International transport	Mln	31	162	151	529	82,6	481,0	326,7

4 URBAN TRANSPORT BY BUSES AND TRAMS

	Unit of measure	2021		2022		Indices		
		X – XII	I – XII	X – XII	I – XII	$\frac{X - XII\ 2022}{VII - IX\ 2022}$	$\frac{X - XII\ 2022}{X - XII\ 2021}$	$\frac{I - XII\ 2022}{I - XII\ 2021}$
Buses	Number	1 317	1 317	1 351	1 351	101,0	102,6	102,6
Kilometres travelled by buses	'000	16 938	64 860	16 847	66 010	103,2	99,5	101,8
Passengers carried	'000	34 474	123 073	31 866	128 333	109,0	92,4	104,3
Trams ¹⁾	Number	345	345	338	338	100,9	98,0	98,0
Kilometres travelled by trams	'000	3 473	13 459	3 188	12 693	110,4	91,8	94,3
Passengers carried	'000	33 091	119 671	31 969	119 735	121,2	96,6	100,1

1) Including motorised cars and trailers.

5 ROAD TRANSPORT OF GOODS

	Unit of measure	2021		2022		Indices		
		X – XII	I – XII	X – XII	I – XII	$\frac{X - XII\ 2022}{VII - IX\ 2022}$	$\frac{X - XII\ 2022}{X - XII\ 2021}$	$\frac{I - XII\ 2022}{I - XII\ 2021}$
Goods carried – total	'000 t	22 940	84 953	21 398	86 402	106,7	93,3	101,7
National transport	'000 t	18 640	69 269	17 554	70 293	107,6	94,2	101,5
Dispatched to foreign countries	'000 t	1 632	5 804	1 510	5 911	112,9	92,5	101,8
Received from foreign countries	'000 t	1 508	5 232	1 172	5 062	92,1	77,7	96,8
Cross-trade transport	'000 t	1 160	4 648	1 161	5 136	102,6	100,1	110,5
Tonne-kilometres	Mln	3 732	13 629	3 138	13 659	97,1	84,1	100,2
National transport	Mln	1 353	4 802	1 186	4 854	96,1	87,7	101,1
Dispatched to foreign countries	Mln	863	3 051	720	3 017	110,2	83,4	98,9
Received from foreign countries	Mln	793	2 719	664	2 741	111,2	83,8	100,8
Cross-trade transport	Mln	724	3 057	568	3 047	76,0	78,5	99,7
Road transport of goods for hire or reward								
Goods carried	'000 t	12 583	46 097	12 188	46 813	113,3	96,9	101,6
Tonne-kilometres	Mln	3 231	11 627	2 693	11 504	100,8	83,3	98,9
Road transport of goods for own account								
Goods carried	'000 t	10 356	38 856	9 210	39 589	99,0	88,9	101,9
Tonne-kilometres	Mln	501	2 001	446	2 155	79,5	88,9	107,7
Out of total goods transport – transport of dangerous goods	'000 t	(1 093)	3 898	(886)	3 750	76,5	81,1	96,2

6 TRANSPORT VIA PIPELINES

	Unit of measure	2021		2022		Indices		
		X – XII	I – XII	X – XII	I – XII	$\frac{X - XII\ 2022}{VII - IX\ 2022}$	$\frac{X - XII\ 2022}{X - XII\ 2021}$	$\frac{I - XII\ 2022}{I - XII\ 2021}$
Oil transport	'000 t	1 540	6 806	1 361	5 794	82,8	88,4	85,1
Tonne-kilometres	Mln	494	1 671	468	1 634	119,6	94,7	97,7
Gas transport	'000 t	642	2 352	883	3 431	94,0	137,5	145,9
Tonne-kilometres	Mln	147	492	160	616	103,8	108,8	125,2

7 SEAWATER AND COASTAL TRANSPORT

	Unit of measure	2021		2022		Indices		
		X – XII	I – XII	X – XII	I – XII	$\frac{X - XII\ 2022}{VII - IX\ 2022}$	$\frac{X - XII\ 2022}{X - XII\ 2021}$	$\frac{I - XII\ 2022}{I - XII\ 2021}$
Passengers carried	'000	1 683	12 280	1 914	14 261	25,6	113,7	116,1
National transport	'000	1 673	12 220	1 897	14 128	25,7	113,4	115,6
International transport	'000	10	60	17	133	18,4	169,6	223,4
Out of total, carried by ferries	'000	1 340	9 889	1 479	11 134	25,7	110,3	112,6
Passenger-kilometres	Mln	82	582	93	693	25,9	113,5	119,2
National transport	Mln	80	569	89	665	26,1	111,7	116,9
International transport	Mln	2	13	4	28	21,7	169,6	221,3
Goods carried	'000 t	4 479	17 809	3 140	15 355	87,8	70,1	86,2
National transport	'000 t	152	739	134	622	67,1	88,3	84,2
International transport	'000 t	4 327	17 070	3 006	14 733	89,0	69,5	86,3
Tonne-kilometres	Mln	22 504	95 707	19 165	85 989	89,7	85,2	89,8
National transport	Mln	42	209	39	170	72,9	92,6	81,0
International transport	Mln	22 462	95 498	19 126	85 820	89,7	85,1	89,9

8 AIR TRANSPORT

	Unit of measure	2021		2022		Indices		
		X – XII	I – XII	X – XII	I – XII	X – XII 2022 VII – IX 2022	X – XII 2022 X – XII 2021	I – XII 2022 I – XII 2021
Passengers carried	'000	298	1 061	543	2 401	56,6	182,3	226,4
National transport	'000	67	244	95	363	80,7	141,0	148,8
International transport	'000	230	817	448	2 038	53,3	194,4	249,6
Passenger-kilometres	Mln	256	924	663	2 923	54,6	259,3	316,4
National transport	Mln	21	76	31	115	83,6	144,9	150,3
International transport	Mln	234	847	632	2 808	53,7	269,7	331,4
Freight carried	t	365	1 319	449	1 511	118,8	123,0	114,6
National transport	t	14	81	15	103	31,9	107,1	127,2
International transport	t	351	1 238	434	1 408	131,1	123,6	113,7
Tonne-kilometres	'000	318	1 115	371	1 251	122,8	116,7	112,2
National transport	'000	4	23	4	30	28,6	100,0	130,4
International transport	'000	314	1 092	367	1 221	127,4	116,9	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 2022 will be published in May 2023 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-2022-3-1 "Traffic in Seaports", and data on traffic of passengers and freight in airports in the First Release TRAN-2022-2-1 "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 10 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 (10 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

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