



## TRANSPORT, THIRD QUARTER OF 2022<sup>1)</sup>

The total number of passengers carried in the third quarter of 2022 amounted to 22.9 million, which means that it increased by 28.2% compared to the third quarter of 2021. An increase in the transport of passengers was recorded in the road line transport by coaches, of 33.2%, in the transport by Croatian air carriers, of 87.1%, and by Croatian shippers in seawater and coastal transport, of 7.8%. In the railway transport, according to provisional data, 52.9% more passengers were transported. Compared to the third quarter of 2019, the transport of passengers decreased by 2.6%.

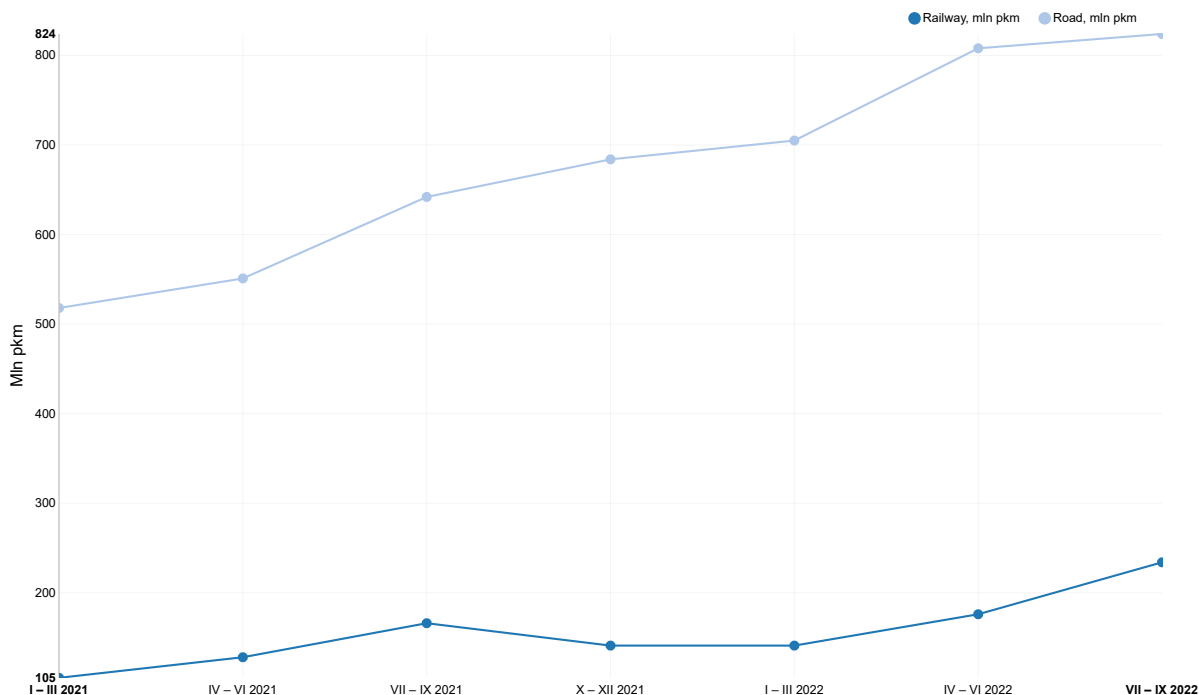
In the period from January to September 2022, the total number of passengers transported amounted to 63.6 million, which was 47.8% more than in the same period of 2021. An increase in the transport of passengers was realised in railway transport, of 37.8%, in road line transport, of 63.7%, in air transport, of 143.6%, and in seawater and coastal transport, of 16.5%. Compared to the same period of 2019, the transport of passengers decreased by 1.1%.

A total of 30.5 million tonnes of goods were transported in the third quarter of 2022, which was a decrease of 7.7% compared to the third quarter of 2021. A decrease in the transport of goods was recorded in seawater and coastal transport by Croatian shippers, of 25.9%, the transport of goods by freight vehicles with Croatian plates, of 7.6%, and in inland waterway transport by ships under all flags, of 50.5%. An increase in the transport of goods was recorded by railway carriers, of 10.3%, Croatian air carriers, of 8.0%, and in pipeline transport, of 3.7%.

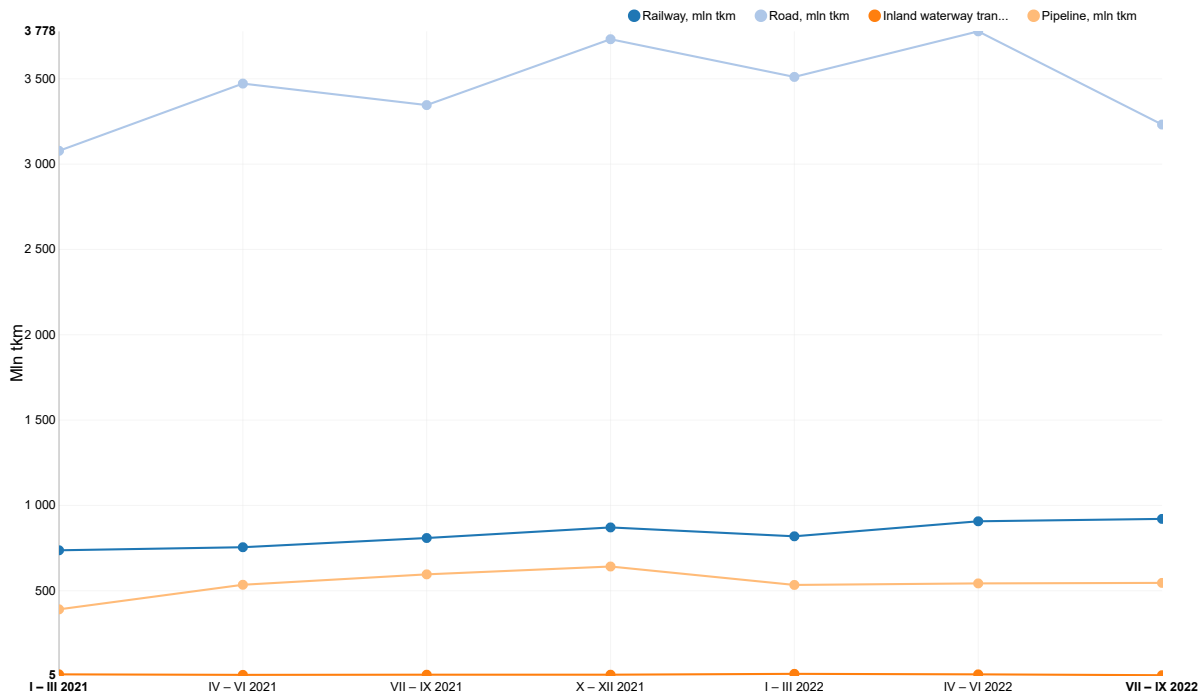
In the period from January to September 2022, a total of 97.0 million tonnes of goods were transported, which was 3.3% more than in the same period of 2021. An increase was recorded in road transport, of 4.8%, in railway transport, of 12.3%, in air transport, of 11.3%, and in pipeline transport, of 0.1%. A decrease in the transport of goods was recorded in seawater and coastal transport, of 8.4%, and in inland waterway transport, of 18.2%.

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		
		VII - IX	I - IX	VII - IX	I - IX	VII - IX 2022 IV - VI 2022	VII - IX 2022 VII - IX 2021	I - IX 2022 I - IX 2021
Passengers carried <sup>1)</sup>	'000	17 835	43 018	22 863	63 575	89,8	128,2	147,8
Railway transport <sup>1)</sup>	'000	3 024	9 515	4 624	13 110	107,3	152,9	137,8
Road line transport	'000	7 361	22 144	9 802	36 260	57,4	133,2	163,7
Seawater and coastal transport	'000	6 938	10 597	7 479	12 347	215,9	107,8	116,5
Air transport	'000	512	763	958	1 859	160,1	187,1	243,6
Passenger-kilometres <sup>1)</sup>	Mln	1 606	3 276	2 633	5 749	141,5	164,0	175,5
Railway transport <sup>1)</sup>	Mln	166	398	234	552	133,3	140,9	138,4
Road line transport	Mln	642	1 710	824	2 338	102,0	128,5	136,7
Seawater and coastal transport	Mln	325	499	361	600	212,3	110,9	120,1
Air transport	Mln	473	668	1 214	2 260	171,7	256,9	338,3
Goods carried	'000 t	33 055	93 880	30 507	97 009	87,7	92,3	103,3
Railway transport	'000 t	3 783	11 000	4 172	12 350	99,7	110,3	112,3
Road line transport	'000 t	21 717	62 014	20 058	65 003	83,6	92,4	104,8
Pomorski i obalni prijevoz	'000 t	4 826	13 331	3 576	12 215	88,4	74,1	91,6
Inland waterway transport <sup>2)</sup>	'000 t	238	558	118	457	74,2	49,5	81,8
Air transport	'000 t	0	1	0	1	112,5	108,0	111,3
Transport via pipelines	'000 t	2 491	6 976	2 583	6 982	108,2	103,7	100,1
Tonne-kilometres	Mln	32 853	86 950	26 069	81 643	90,6	79,3	93,9
Railway transport	Mln	809	2 302	921	2 647	101,6	113,8	115,0
Road line transport	Mln	3 346	9 896	3 232	10 521	85,6	96,6	106,3
Seawater and coastal transport	Mln	28 093	73 203	21 365	66 824	90,8	76,0	91,3
Inland waterway transport <sup>2)</sup>	Mln	8	26	5	28	47,5	60,7	108,9
Air transport	Mln	0	1	0	1	109,4	106,7	110,4
Transport via pipelines	Mln	596	1 522	546	1 622	100,5	91,5	106,6

1) Provisional data for 2022.

2) Transit is not included.

## 2 RAILWAY TRANSPORT

	Unit of measure	2021		2022		Indices		
		VII - IX	I - IX	VII - IX	I - IX	$\frac{\text{VII - IX 2022}}{\text{IV - VI 2022}}$	$\frac{\text{VII - IX 2022}}{\text{VII - IX 2021}}$	$\frac{\text{I - IX 2022}}{\text{I - IX 2021}}$
Passengers carried <sup>1)</sup>	'000	3 024	9 515	4 624	13 110	107,3	152,9	137,8
National transport <sup>1)</sup>	'000	2 873	9 329	4 430	12 805	104,8	154,2	137,3
International transport <sup>1)</sup>	'000	151	186	194	304	241,8	128,3	163,7
Passenger-kilometres <sup>1)</sup>	Mln	166	398	234	552	133,3	140,9	138,4
National transport <sup>1)</sup>	Mln	119	344	182	488	109,6	152,4	141,8
International transport <sup>1)</sup>	Mln	47	54	53	63	529,8	111,7	116,8
Goods carried	'000 t	3 783	11 000	4 172	12 350	99,7	110,3	112,3
National transport	'000 t	822	2 119	817	2 551	94,4	99,4	120,3
International transport - loading	'000 t	1 520	4 228	1 559	4 448	108,3	102,5	105,2
International transport - unloading	'000 t	375	1 177	510	1 459	99,9	135,9	124,0
Transit	'000 t	1 066	3 476	1 286	3 894	93,9	120,7	112,0
Tonne-kilometres	Mln	809	2 302	921	2 647	101,6	113,8	115,0
National transport	Mln	213	578	169	519	95,3	79,4	89,9
International transport - loading	Mln	259	712	306	806	124,5	118,3	113,1
International transport - unloading	Mln	118	335	173	504	92,6	146,3	150,2
Transit	Mln	220	677	273	818	92,1	124,4	121,0
Out of total goods transport - transport of dangerous goods	'000 t	399	1 118	367	1 034	88,4	92,0	92,5

1) Provisional data for 2022

## 3 ROAD LINE TRANSPORT OF PASSENGERS BY COACHES

	Unit of measure	2021		2022		Indices		
		VII - IX	I - IX	VII - IX	I - IX	$\frac{\text{VII - IX 2022}}{\text{IV - VI 2022}}$	$\frac{\text{VII - IX 2022}}{\text{VII - IX 2021}}$	$\frac{\text{I - IX 2022}}{\text{I - IX 2021}}$
Passengers carried	'000	7 361	22 144	9 802	36 260	57,4	133,2	163,7
National transport	'000	6 954	20 825	8 884	33 597	55,6	127,8	161,3
International transport	'000	407	1 319	918	2 663	82,7	225,6	201,9
Passenger-kilometres	Mln	642	1 710	824	2 338	102,0	128,5	136,7
National transport	Mln	558	1 580	641	1 960	93,8	114,9	124,1
International transport	Mln	84	130	183	378	146,6	218,8	289,5

## 4 URBAN TRANSPORT BY BUSES AND TRAMS

	Unit of measure	2021		2022		Indices		
		VII - IX	I - IX	VII - IX	I - IX	$\frac{\text{VII - IX 2022}}{\text{IV - VI 2022}}$	$\frac{\text{VII - IX 2022}}{\text{VII - IX 2021}}$	$\frac{\text{I - IX 2022}}{\text{I - IX 2021}}$
Buses	Number	1 314	1 314	1 337	1 337	101,1	101,8	101,8
Kilometres travelled by buses	'000	16 062	47 922	16 324	49 163	98,6	101,6	102,6
Passengers carried	'000	29 112	88 599	29 231	96 467	83,3	100,4	108,9
Trams <sup>1)</sup>	Number	345	345	335	335	98,2	97,1	97,1
Kilometres travelled by trams	'000	3 042	9 986	2 888	9 505	90,0	94,9	95,2
Passengers carried	'000	27 823	86 580	26 375	87 766	83,2	94,8	101,4

1) Including motorised cars and trailers.

## 5 ROAD TRANSPORT OF GOODS

	Unit of measure	2021		2022		Indices		
		VII - IX	I - IX	VII - IX	I - IX	VII - IX 2022 IV - VI 2022	VII - IX 2022 VII - IX 2021	I - IX 2022 I - IX 2021
Goods carried - total	'000 t	21 717	62 014	20 058	65 003	83,6	92,4	104,8
National transport	'000 t	17 804	50 629	16 316	52 739	82,4	91,6	104,2
Dispatched to foreign countries	'000 t	1 569	4 172	1 338	4 401	87,2	85,3	105,5
Received from foreign countries	'000 t	1 212	3 724	1 272	3 889	98,5	105,0	104,4
Cross-trade transport	'000 t	1 132	3 488	1 132	3 974	82,5	100,0	113,9
Tonne-kilometres	Mln	3 346	9 896	3 232	10 521	85,6	96,6	106,3
National transport	Mln	1 219	3 449	1 234	3 668	91,8	101,2	106,4
Dispatched to foreign countries	Mln	759	2 188	653	2 297	77,0	86,0	105,0
Received from foreign countries	Mln	564	1 926	597	2 077	77,8	105,8	107,8
Cross-trade transport	Mln	804	2 333	748	2 478	91,6	93,1	106,2
Road transport of goods for hire or reward								
Goods carried	'000 t	12 569	33 514	10 753	34 618	84,4	85,6	103,3
Tonne-kilometres	Mln	2 885	8 396	2 672	8 808	84,6	92,6	104,9
Road transport of goods for own account								
Goods carried	'000 t	9 149	28 500	9 304	30 379	82,7	101,7	106,6
Tonne-kilometres	Mln	462	1 500	560	1 709	91,2	121,4	113,9
Out of total goods transport - transport of dangerous goods	'000 t	(1 266)	2 806	(1 158)	2 863	111,2	91,5	102,0

## 6 TRANSPORT VIA PIPELINES

	Unit of measure	2021		2022		Indices		
		VII - IX	I - IX	VII - IX	I - IX	VII - IX 2022 IV - VI 2022	VII - IX 2022 VII - IX 2021	I - IX 2022 I - IX 2021
Oil transport	'000 t	1 969	5 267	1 644	4 434	107,8	83,5	84,2
Tonne-kilometres	Mln	477	1 177	391	1 166	97,5	82,0	99,0
Gas transport	'000 t	522	1 710	939	2 548	108,8	179,8	149,0
Tonne-kilometres	Mln	119	345	154	456	108,9	129,6	132,3

## 7 SEAWATER AND COASTAL TRANSPORT

	Unit of measure	2021		2022		Indices		
		VII - IX	I - IX	VII - IX	I - IX	VII - IX 2022 IV - VI 2022	VII - IX 2022 VII - IX 2021	I - IX 2022 I - IX 2021
Passengers carried	'000	6 938	10 597	7 479	12 347	215,9	107,8	116,5
National transport	'000	6 898	10 547	7 385	12 231	214,4	107,1	116,0
International transport	'000	40	49	93	116	504,9	232,5	234,5
Out of total, carried by ferries	'000	5 580	8 549	5 745	9 656	206,4	103,0	112,9
Passenger-kilometres	Mln	325	499	361	600	212,3	110,9	120,1
National transport	Mln	317	489	341	576	205,5	107,7	117,7
International transport	Mln	8	10	19	24	504,0	232,5	233,6
Goods carried	'000 t	4 826	13 331	3 576	12 215	88,4	74,1	91,6
National transport	'000 t	214	588	200	489	105,3	93,4	83,1
International transport	'000 t	4 612	12 743	3 376	11 727	87,6	73,2	92,0
Tonne-kilometres	Mln	28 093	73 203	21 365	66 824	90,8	76,0	91,3
National transport	Mln	58	167	53	131	103,7	91,7	78,0
International transport	Mln	28 034	73 036	21 311	66 694	90,8	76,0	91,3

## 8 AIR TRANSPORT

	Unit of measure	2021		2022		Indices		
		VII – IX	I – IX	VII – IX	I – IX	VII – IX 2022 IV – VI 2022	VII – IX 2022 VII – IX 2021	I – IX 2022 I – IX 2021
Passengers carried	'000	512	763	958	1 859	160,1	187,1	243,6
National transport	'000	102	177	118	268	129,2	116,0	151,8
International transport	'000	410	587	840	1 591	165,6	204,7	271,2
Passenger-kilometres	Mln	473	668	1 214	2 260	171,7	256,9	338,3
National transport	Mln	31	55	37	84	127,9	117,3	152,4
International transport	Mln	441	613	1 177	2 176	173,5	266,8	355,0
Freight carried	t	350	954	378	1 062	112,5	108,0	111,3
National transport	t	35	67	47	88	146,9	134,3	131,3
International transport	t	315	887	331	974	108,9	105,1	109,8
Tonne-kilometres	'000	283	797	302	880	109,4	106,7	110,4
National transport	'000	10	19	14	26	155,6	140,0	136,8
International transport	'000	273	778	288	854	107,9	105,5	109,8

### 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

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