



stats sa

Department:
Statistics South Africa
REPUBLIC OF SOUTH AFRICA

Private Bag X44, Pretoria, 0001, South Africa, ISibalo House, Koch Street, Salvokop, Pretoria, 0002
www.statssa.gov.za, info@statssa.gov.za, Tel +27 12 310 8911

STATISTICAL RELEASE

P7162

Land transport (Preliminary)

March 2020

Owing to the COVID-19 lockdown, the collection rate for this publication (76,0% in March) is lower than usual. Consequently, revisions may be larger than usual.

**Embargoed until:
29 June 2020
11:30**

ENQUIRIES:
Keshnee Naidoo
(083) 689 5341

FORTHCOMING ISSUE:
May 2020

EXPECTED RELEASE DATE:
20 July 2020



Dipalopalo tsa Aforikaborwa • Dipalopalo tsa Afrika Borwa • Ezezibalo zaseNingizimu Afrika • Tshitatistika Afrika Tshipembe • Tinhlayohlayo Afrika-Dzonga
Statistieke Suid-Afrika • Dipalopalo tša Afrika Borwa • Telubalo taseNingizimu Afrika • EzeeNkcukacha maNani zoMzantsi Afrika • limbalobalo zeSewula Afrika

The South Africa I know, the home I understand



Contents

Freight transportation: results for March 2020	2
Table A – Year-on-year percentage change in freight transportation (income at current prices)	2
Table B – Freight transportation income at current prices for the latest three months by type of commodity	2
Figure 1 – Freight transportation: year-on-year percentage change in payload	3
Table C – Seasonally adjusted payload for the latest three months by type of transport	3
Passenger transportation: results for March 2020	4
Table D – Year-on-year percentage change in passenger transportation (income at current prices)	4
Figure 2 – Passenger transportation: year-on-year percentage change in passenger journeys	4
Table E – Seasonally adjusted passenger journeys for the latest three months by type of transport	4
Tables	5
Table 1 – Freight transportation (income at current prices)	5
Table 2 – Year-on-year percentage change in freight transportation (income at current prices)	5
Table 3 – Seasonally adjusted freight transportation (income at current prices)	6
Table 4 – Month-on-month percentage change in seasonally adjusted freight transportation (income at current prices)	6
Table 5 – Freight transportation income at current prices by type of commodity (R million)	7
Table 6 – Year-on-year percentage change in freight transportation income at current prices by type of commodity	7
Table 7 – Contribution of each type of commodity to the year-on-year percentage change in freight transportation income at current prices (percentage points)	7
Table 8 – Passenger transportation (income at current prices)	8
Table 9 – Year-on-year percentage change in passenger transportation (income at current prices)	8
Table 10 – Seasonally adjusted passenger transportation (income at current prices)	9
Table 11 – Month-on-month percentage change in seasonally adjusted passenger transportation (income at current prices)	9
Survey information	10
Technical notes	11
Glossary	12
Technical enquiries	12
General information	13

Freight transportation: results for March 2020

Table A – Year-on-year percentage change in freight transportation (income at current prices)

	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
Freight payload	-7,4	-13,6	-10,4	-7,2	-4,9	-5,6
Freight income	-4,3	-9,3	-4,5	-3,4	-2,2	0,4

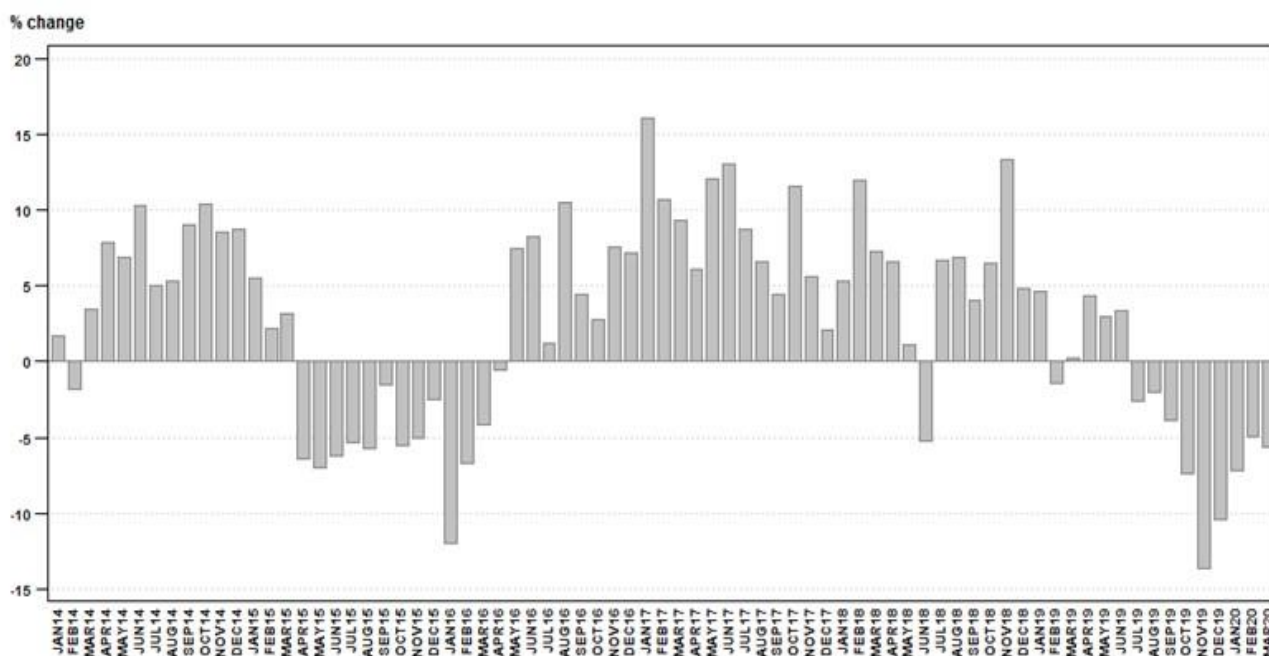
The volume of goods transported (payload) decreased by 5,6% in March 2020 compared with March 2019. The corresponding income increased by 0,4% over the same period.

Table B – Freight transportation income at current prices for the latest three months by type of commodity

Type of commodity	Jan – Mar 2019 (R million)	Weight	Jan – Mar 2020 (R million)	% change between Jan – Mar 2019 and Jan – Mar 2020	Contribution (% points) to the total % change
Agriculture and forestry primary products	2 592	6,5	2 441	-5,8	-0,4
Primary mining and quarrying products	14 437	36,2	14 246	-1,3	-0,5
Manufactured food, beverages and tobacco products	4 613	11,6	4 584	-0,6	-0,1
Textiles, clothing and leather goods	479	1,2	609	27,1	0,3
Chemicals, coke, petroleum, rubber, plastic and other mineral products	2 620	6,6	2 687	2,6	0,2
Basic metals and fabricated metal products	1 434	3,6	942	-34,3	-1,2
Non-metallic products	784	2,0	818	4,3	0,1
Electrical machinery, transport machinery and equipment	542	1,4	561	3,5	0,0
Motor vehicles, parts and accessories	846	2,1	876	3,5	0,1
Paper and paper products	312	0,8	283	-9,3	-0,1
Commercial products	613	1,5	686	11,9	0,2
Used household and office products	551	1,4	504	-8,5	-0,1
Containers	2 372	5,9	1 967	-17,1	-1,0
Parcels	687	1,7	861	25,3	0,4
Other freight	7 012	17,6	7 141	1,8	0,3
Total income	39 895	100,0	39 205	-1,7	-1,7

Income from freight transportation decreased by 1,7% in the first quarter of 2020 compared with the first quarter of 2019. The main negative contributors to this decrease were:

- basic metals and fabricated metal products (-34,3% and contributing -1,2 percentage points); and
- containers (-17,1% and contributing -1,0 percentage point) – see Table B.

Figure 1 – Freight transportation: year-on-year percentage change in payload**Table C – Seasonally adjusted payload for the latest three months by type of transport**

Payload	Oct – Dec 2019 (000 tons)	Weight	Jan – Mar 2020 (000 tons)	% change between Oct – Dec 2019 and Jan – Mar 2020	Contribution (% points) to the total % change
Rail	51 718	24,0	53 200	2,9	0,7
Road	163 994	76,0	167 366	2,1	1,6
Total	215 713	100,0	220 564	2,2	2,2

Seasonally adjusted payload increased by 2,2% in the first quarter of 2020 compared with the previous quarter. Road freight increased by 2,1% (contributing 1,6 percentage points) and rail freight increased by 2,9% (contributing 0,7 of a percentage point) – see Table C.

Passenger transportation: results for March 2020

Table D – Year-on-year percentage change in passenger transportation (income at current prices)

	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
Passenger journeys	-11,9	-21,2	-17,6	-19,0	-15,9	-30,7
Passenger income	1,6	-2,2	-1,2	-1,8	3,1	-9,6

The number of passenger journeys decreased by 30,7% in March 2020 compared with March 2019. The corresponding income decreased by 9,6% over the same period.

Figure 2 – Passenger transportation: year-on-year percentage change in passenger journeys

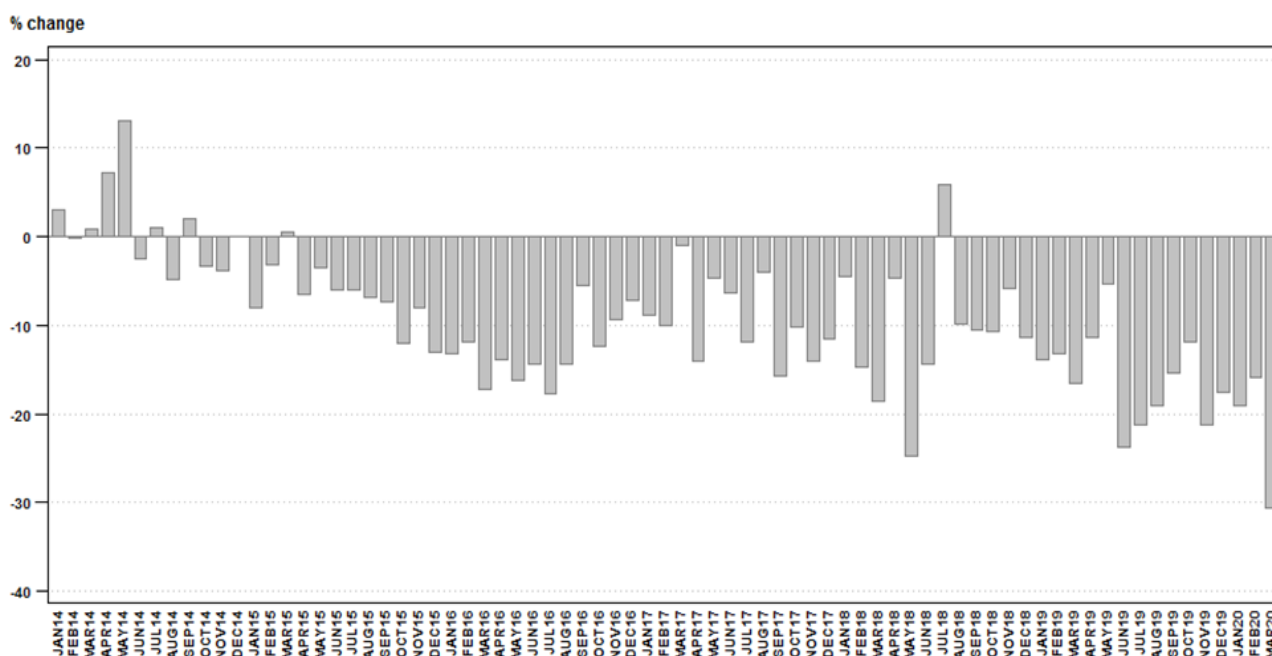


Table E – Seasonally adjusted passenger journeys for the latest three months by type of transport

Passenger journeys	Oct – Dec 2019 (000)	Weight	Jan – Mar 2020 (000)	% change between Oct – Dec 2019 and Jan – Mar 2020	Contribution (% points) to the total % change
Rail	36 588	32,8	22 615	-38,2	-12,5
Road	74 876	67,2	71 305	-4,8	-3,2
Total	111 464	100,0	93 918	-15,7	-15,7

Seasonally adjusted passenger journeys decreased by 15,7% in the first quarter of 2020 compared with the previous quarter. Rail passenger journeys decreased by 38,2% (contributing -12,5 percentage points) and road passenger journeys decreased by 4,8% (contributing -3,2 percentage points) – see Table E.

Risenga Maluleke
Statistician-General

Tables

Table 1 – Freight transportation (income at current prices)

Year and month 1/		Rail		Road		Total	
		Payload (000 tons)	Income (R million)	Payload (000 tons)	Income (R million)	Payload (000 tons)	Income (R million)
2019	Jan	18 652	3 660	55 214	9 575	73 866	13 235
	Feb	18 538	3 686	56 147	9 719	74 685	13 405
	Mar	17 017	3 331	58 422	9 924	75 439	13 255
	Apr	18 999	3 890	57 594	9 993	76 593	13 882
	May	18 322	3 796	59 844	10 308	78 166	14 104
	Jun	18 992	3 845	59 479	10 262	78 470	14 106
	Jul	15 265	3 219	61 169	10 485	76 433	13 704
	Aug	19 164	3 862	62 344	10 765	81 507	14 627
	Sep	19 456	4 010	57 865	10 090	77 321	14 100
	Oct	16 106	3 483	61 542	10 878	77 648	14 362
	Nov	18 685	3 881	58 795	10 535	77 480	14 415
	Dec	16 544	3 470	48 557	8 991	65 100	12 461
	Total	215 740	44 133	696 972	121 525	912 708	165 656
2020	Jan	17 219	3 561	51 315	9 225	68 534	12 786
	Feb	17 550	3 611	53 467	9 505	71 017	13 116
	Mar	17 833	3 614	53 357	9 689	71 191	13 303

1/ Figures for latest month are preliminary.

Table 2 – Year-on-year percentage change in freight transportation (income at current prices)

Year and month		Rail		Road		Total	
		Payload	Income	Payload	Income	Payload	Income
2019	Jan	5,6	8,0	4,3	6,2	4,6	6,7
	Feb	-6,7	-1,5	0,5	4,5	-1,4	2,8
	Mar	-6,6	-1,3	2,4	3,4	0,2	2,2
	Apr	2,5	6,5	4,9	6,6	4,3	6,6
	May	1,0	5,4	3,6	3,5	3,0	4,0
	Jun	3,8	5,7	3,2	3,6	3,4	4,2
	Jul	-3,3	2,4	-2,5	-1,3	-2,6	-0,5
	Aug	-1,4	2,8	-2,2	-0,3	-2,0	0,5
	Sep	-2,1	2,5	-4,5	-3,6	-3,9	-1,9
	Oct	-5,9	0,0	-7,8	-5,6	-7,4	-4,3
	Nov	-5,5	-1,5	-15,9	-11,9	-13,6	-9,3
	Dec	6,2	10,7	-14,9	-9,3	-10,4	-4,5
	Total	-1,2	3,2	-2,8	-0,7	-2,4	0,3
2020	Jan	-7,7	-2,7	-7,1	-3,7	-7,2	-3,4
	Feb	-5,3	-2,0	-4,8	-2,2	-4,9	-2,2
	Mar	4,8	8,5	-8,7	-2,4	-5,6	0,4

Table 3 – Seasonally adjusted freight transportation (income at current prices)

Year and month 1/		Rail		Road		Total	
		Payload (000 tons)	Income (R million)	Payload (000 tons)	Income (R million)	Payload (000 tons)	Income (R million)
2019	Jan	19 245	3 759	59 621	10 423	78 866	14 181
	Feb	18 094	3 655	60 152	10 348	78 246	14 003
	Mar	17 559	3 602	59 717	10 250	77 275	13 852
	Apr	18 677	3 695	60 451	10 457	79 128	14 152
	May	18 724	3 812	58 822	10 110	77 545	13 922
	Jun	18 520	3 738	59 831	10 314	78 351	14 052
	Jul	17 466	3 585	57 974	9 943	75 440	13 527
	Aug	17 904	3 661	59 189	10 266	77 093	13 927
	Sep	17 989	3 744	56 867	9 984	74 856	13 728
	Oct	17 146	3 532	56 486	9 997	73 632	13 529
	Nov	17 506	3 719	54 618	9 730	72 125	13 449
	Dec	17 066	3 575	52 890	9 669	69 956	13 244
2020	Jan	17 724	3 717	55 317	10 010	73 040	13 727
	Feb	17 142	3 621	57 890	10 173	75 031	13 794
	Mar	18 334	3 783	54 159	9 965	72 493	13 748

Table 4 – Month-on-month percentage change in seasonally adjusted freight transportation (income at current prices)

Year and month		Rail		Road		Total	
		Payload	Income	Payload	Income	Payload	Income
2019	Jan	20,9	13,4	-6,4	-3,9	-1,0	0,1
	Feb	-6,0	-2,8	0,9	-0,7	-0,8	-1,3
	Mar	-3,0	-1,5	-0,7	-0,9	-1,2	-1,1
	Apr	6,4	2,6	1,2	2,0	2,4	2,2
	May	0,3	3,2	-2,7	-3,3	-2,0	-1,6
	Jun	-1,1	-1,9	1,7	2,0	1,0	0,9
	Jul	-5,7	-4,1	-3,1	-3,6	-3,7	-3,7
	Aug	2,5	2,1	2,1	3,2	2,2	3,0
	Sep	0,5	2,3	-3,9	-2,7	-2,9	-1,4
	Oct	-4,7	-5,7	-0,7	0,1	-1,6	-1,4
	Nov	2,1	5,3	-3,3	-2,7	-2,0	-0,6
	Dec	-2,5	-3,9	-3,2	-0,6	-3,0	-1,5
2020	Jan	3,9	4,0	4,6	3,5	4,4	3,6
	Feb	-3,3	-2,6	4,7	1,6	2,7	0,5
	Mar	7,0	4,5	-6,4	-2,0	-3,4	-0,3

Table 5 – Freight transportation income at current prices by type of commodity (R million)

Type of commodity	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20 1/
Agriculture and forestry primary products	993	935	790	796	827	818
Primary mining and quarrying products	4 805	5 033	4 261	4 650	4 789	4 807
Manufactured food, beverages and tobacco products	1 687	1 671	1 579	1 511	1 472	1 601
Textiles, clothing and leather products	261	278	213	192	206	211
Chemicals, coke, petroleum, rubber, plastic and other mineral products	1 028	1 049	864	867	920	900
Basic metals and fabricated metal products	321	330	308	282	321	339
Non-metallic products	306	294	240	247	277	294
Electrical machinery, transport machinery and equipment	216	214	169	166	193	202
Motor vehicles, parts and accessories	355	332	274	260	308	308
Paper and paper products	116	114	82	87	102	94
Commercial products	323	293	246	215	226	245
Used household and office products	176	196	191	168	175	161
Containers	776	786	655	682	657	628
Parcels	326	329	269	244	294	323
Other freight	2 673	2 563	2 320	2 419	2 349	2 373
Total	14 362	14 415	12 461	12 786	13 116	13 303

1/ Figures are preliminary.

Table 6 – Year-on-year percentage change in freight transportation income at current prices by type of commodity

Type of commodity	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
Agriculture and forestry primary products	-6,3	-19,9	-8,4	-8,5	-8,2	-0,4
Primary mining and quarrying products	-5,3	-8,9	-4,8	-3,6	-1,5	1,1
Manufactured food, beverages and tobacco products	-4,6	-6,3	-4,9	-5,0	-0,7	4,0
Textiles, clothing and leather products	18,1	37,6	15,1	29,7	29,6	22,7
Chemicals, coke, petroleum, rubber, plastic and other mineral products	-0,9	-4,5	-10,3	-2,8	10,3	0,7
Basic metals and fabricated metal products	-38,6	-41,8	-33,6	-38,4	-37,4	-26,8
Non-metallic products	-1,6	-6,1	-2,0	-3,5	9,1	7,3
Electrical machinery, transport machinery and equipment	-0,9	-4,0	-6,1	3,8	1,0	5,8
Motor vehicles, parts and accessories	2,3	-1,5	-1,1	-1,9	4,8	7,3
Paper and paper products	-19,4	-14,9	-21,2	-16,3	-7,3	-4,1
Commercial products	22,8	24,7	32,3	25,7	6,6	6,5
Used household and office products	-8,8	-11,3	1,1	-7,7	0,6	-17,4
Containers	-7,1	-15,3	-3,4	-16,7	-19,5	-14,8
Parcels	15,6	9,3	9,8	23,2	24,1	28,2
Other freight	-1,8	-10,5	-0,5	5,3	-0,7	1,0
Total	-4,3	-9,3	-4,5	-3,4	-2,2	0,4

Table 7 – Contribution of each type of commodity to the year-on-year percentage change in freight transportation income at current prices (percentage points)

Type of commodity	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
Agriculture and forestry primary products	-0,4	-1,5	-0,6	-0,6	-0,6	0,0
Primary mining and quarrying products	-1,8	-3,1	-1,7	-1,3	-0,5	0,4
Manufactured food, beverages and tobacco products	-0,5	-0,7	-0,6	-0,6	-0,1	0,5
Textiles, clothing and leather products	0,3	0,5	0,2	0,3	0,4	0,3
Chemicals, coke, petroleum, rubber, plastic and other mineral products	-0,1	-0,3	-0,8	-0,2	0,6	0,0
Basic metals and fabricated metal products	-1,3	-1,5	-1,2	-1,3	-1,4	-0,9
Non-metallic products	0,0	-0,1	0,0	-0,1	0,2	0,2
Electrical machinery, transport machinery and equipment	0,0	-0,1	-0,1	0,0	0,0	0,1
Motor vehicles, parts and accessories	0,1	0,0	0,0	0,0	0,1	0,2
Paper and paper products	-0,2	-0,1	-0,2	-0,1	-0,1	0,0
Commercial products	0,4	0,4	0,5	0,3	0,1	0,1
Used household and office products	-0,1	-0,2	0,0	-0,1	0,0	-0,3
Containers	-0,4	-0,9	-0,2	-1,0	-1,2	-0,8
Parcels	0,3	0,2	0,2	0,3	0,4	0,5
Other freight	-0,3	-1,9	-0,1	0,9	-0,1	0,2
Total	-4,3	-9,3	-4,5	-3,4	-2,2	0,4

Table 8 – Passenger transportation (income at current prices)

Year and month 1/		Rail		Road		Total	
		Passenger journeys (000)	Income (R million)	Passenger journeys (000)	Income (R million)	Passenger journeys (000)	Income (R million)
2019	Jan	16 012	204	24 212	832	40 224	1 036
	Feb	18 585	194	23 360	739	41 945	933
	Mar	18 107	200	24 392	829	42 499	1 029
	Apr	15 965	176	24 779	844	40 744	1 020
	May	14 236	186	24 645	801	38 881	987
	Jun	14 268	165	20 523	798	34 791	963
	Jul	14 246	179	25 754	833	40 000	1 012
	Aug	14 644	192	25 507	819	40 151	1 011
	Sep	13 705	187	27 017	928	40 722	1 115
	Oct	14 994	198	26 678	895	41 672	1 093
	Nov	12 661	172	24 923	853	37 584	1 025
	Dec	7 176	111	21 816	864	28 992	975
	Total	174 599	2 164	293 606	10 035	468 205	12 199
2020	Jan	8 651	177	23 911	840	32 562	1 017
	Feb	10 665	173	24 621	789	35 286	962
	Mar	5 499	103	23 959	827	29 458	930

1/ Figures for latest month are preliminary.

Table 9 – Year-on-year percentage change in passenger transportation (income at current prices)

Year and month		Rail		Road		Total	
		Passenger journeys	Income	Passenger journeys	Income	Passenger journeys	Income
2019	Jan	-16,3	-3,3	-12,2	-3,0	-13,9	-3,1
	Feb	-12,2	-6,3	-13,9	-2,1	-13,2	-3,0
	Mar	-17,7	-6,5	-15,7	-2,8	-16,5	-3,6
	Apr	-38,6	-22,8	23,9	29,4	-11,4	15,9
	May	-32,9	-11,0	24,1	30,2	-5,3	19,8
	Jun	-34,1	-18,3	-14,6	3,8	-23,8	-0,8
	Jul	-42,0	-14,4	-1,6	-1,5	-21,2	-4,1
	Aug	-35,7	7,3	-4,7	2,4	-19,0	3,3
	Sep	-35,5	-11,8	0,4	13,9	-15,4	8,6
	Oct	-26,5	-10,4	-0,8	4,7	-11,9	1,6
	Nov	-38,6	-14,4	-7,8	0,7	-21,2	-2,2
	Dec	-43,1	-21,3	-3,4	2,1	-17,6	-1,2
	Total	-31,1	-11,1	-3,4	5,5	-16,0	2,1
2020	Jan	-46,0	-13,2	-1,2	1,0	-19,0	-1,8
	Feb	-42,6	-10,8	5,4	6,8	-15,9	3,1
	Mar	-69,6	-48,5	-1,8	-0,2	-30,7	-9,6

Table 10 – Seasonally adjusted passenger transportation (income at current prices)

Year and month		Rail		Road		Total	
		Passenger journeys (000)	Income (R million)	Passenger journeys (000)	Income (R million)	Passenger journeys (000)	Income (R million)
2019	Jan	17 853	197	25 279	838	43 132	1 034
	Feb	17 696	189	23 229	785	40 925	975
	Mar	16 805	188	22 790	808	39 595	995
	Apr	16 877	180	26 138	882	43 015	1 061
	May	14 147	183	24 382	823	38 529	1 006
	Jun	14 779	186	21 677	815	36 457	1 001
	Jul	14 506	175	25 617	826	40 124	1 001
	Aug	12 940	188	24 594	828	37 535	1 016
	Sep	12 676	172	24 933	873	37 609	1 044
	Oct	11 849	174	25 712	865	37 561	1 038
	Nov	11 943	171	24 602	844	36 545	1 014
	Dec	12 796	166	24 562	847	37 358	1 012
2020	Jan	10 119	166	24 592	840	34 710	1 006
	Feb	7 800	166	24 714	838	32 513	1 003
	Mar	4 696	89	21 999	813	26 695	902

Table 11 – Month-on-month percentage change in seasonally adjusted passenger transportation (income at current prices)

Year and month		Rail		Road		Total	
		Passenger journeys	Income	Passenger journeys	Income	Passenger journeys	Income
2019	Jan	-9,2	0,0	-3,3	1,1	-5,9	0,8
	Feb	-0,9	-4,1	-8,1	-6,3	-5,1	-5,7
	Mar	-5,0	-0,5	-1,9	2,9	-3,2	2,1
	Apr	0,4	-4,3	14,7	9,2	8,6	6,6
	May	-16,2	1,7	-6,7	-6,7	-10,4	-5,2
	Jun	4,5	1,6	-11,1	-1,0	-5,4	-0,5
	Jul	-1,8	-5,9	18,2	1,3	10,1	0,0
	Aug	-10,8	7,4	-4,0	0,2	-6,5	1,5
	Sep	-2,0	-8,5	1,4	5,4	0,2	2,8
	Oct	-6,5	1,2	3,1	-0,9	-0,1	-0,6
	Nov	0,8	-1,7	-4,3	-2,4	-2,7	-2,3
	Dec	7,1	-2,9	-0,2	0,4	2,2	-0,2
2020	Jan	-20,9	0,0	0,1	-0,8	-7,1	-0,6
	Feb	-22,9	0,0	0,5	-0,2	-6,3	-0,3
	Mar	-39,8	-46,4	-11,0	-3,0	-17,9	-10,1

Survey information

Introduction	1	Statistics South Africa (Stats SA) conducts a monthly survey of the land transportation industry, covering passenger and freight transportation by rail and road (see paragraph 4 below). This survey is based on a sample drawn from the 2019 business sampling frame (BSF) that contains businesses registered for value added tax (VAT) and income tax.
	2	In order to improve timeliness, some information for the latest month had to be estimated due to late response. These estimates will be revised in future statistical releases as soon as information becomes available. Published land transportation income estimates exclude VAT.
Purpose of the survey	3	The results of the monthly land transport survey are used to compile estimates of the gross domestic product (GDP) and its components, which are used in monitoring the state of the economy and formulation of economic policy. These statistics are also used in the analysis of comparative business and industry performance.
Scope of the survey	4	This survey covers enterprises involved in land transportation according to the following type of transportation: • railway transport (including passenger and freight transportation); • 'other' scheduled passenger land transport – urban, suburban and inter-urban bus and coach passenger lines and school buses; • 'other' non-scheduled passenger land transport – safaris and sightseeing bus tours, metered taxis and 'other' passenger transport including renting of motor cars with drivers; and • freight transport by road.
Exclusions	5	Passenger transportation excludes: • minibus taxis; • metropolitan buses (including the Bus Rapid Transport system – BRT); and • rental of private cars/buses without drivers. Freight transportation excludes: • renting of trucks without drivers; and • in-house transportation.
Classification	6	The 1993 edition of the <i>Standard Industrial Classification of all Economic Activities</i> (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 <i>International Standard Industrial Classification of all Economic Activities</i> (ISIC) with suitable adaptations for local conditions. Statistics in this publication are presented at SIC division (two-digit) level. Each enterprise is classified to the industry which reflects its predominant activity.
Collection rate	7	The preliminary collection rate for the survey on land transportation for March 2020 was 76,0%. The improved collection rate for February 2020 was 83,9%.
Statistical unit	8	The statistical unit for which information is compiled and published is an enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its income activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.
Revised figures	9	Revised figures are mainly due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures, as indicated in the relevant tables, are subject to change and when revised will not be indicated as such.

- Related publications** 10 Users may also wish to refer to the following publication available from Stats SA –
- *Stats in Brief* issued annually.
- Rounding-off of figures** 11 Where figures have been rounded off, discrepancies may occur between sums of the component items and the totals.
- Historical data** 12 Historical land transport data are available on the Stats SA website. To access the data electronically, use the following link:
[Click to download historical data](#)
- Past publications** 13 Past land transport releases are available on the Stats SA website. To access the releases electronically, use the following link:
[Click to download past releases](#)

Technical notes

- Survey methodology and design**
- 1 The survey is conducted on a monthly basis. Questionnaires are sent to a sample of 705 enterprises from a population of 4 329 enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up on non-respondents.
- 2 A stratified random sample was drawn at the SIC four-digit level in April 2019 from Stats SA's business sampling frame (BSF). Strata were formed using a combination of Standard Industrial Classification and the measure of size classes for enterprises (see paragraph 3 below).

The Neyman optimal allocation formula given below was used to allocate samples to each stratum:

$$n_h = n * (N_h * S_h) / [\sum (N_i * S_i)].$$

Neyman allocation formula not only allocates sample sizes to each stratum but also calculates the relative precision for each stratum as well as the relative precision for all strata. The relative precision for these strata was 0,8%.

- Sample design and class limits** 3 The land transportation industry is divided into four size groups. All large enterprises (size group one) are completely enumerated. Simple random sampling is applied to medium sized (size group two) and to small (size group three and four) enterprises. The total value of income of the large enterprises (size group one) is added to the weighted totals of size groups two, three and four to reflect the total value of income.

Measure of size classes (Rand)

Enterprise size	Size group	Lower limits	Upper limits
Very small	4	1 141 401	9 000 000
Small	3	9 000 001	39 000 000
Medium	2	39 000 001	78 000 000
Large	1	78 000 001	

- Sample weighting** 4 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form division estimates. These procedures are in line with international best practice.

- Reliability of estimates** 5 Data presented in this publication are based on information obtained from a sample and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all enterprises in the land transport industry in South Africa. Estimates are subject to sampling and non-sampling errors.

	6	Inaccuracies may occur because of imperfections in reporting by enterprises and errors made in the collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling errors. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them in pilot studies, editing reported data and implementing efficient operating procedures. Fluctuations may occur in consecutive months as a result of seasonal and economic factors.
Year-on-year percentage change	7	The year-on-year percentage change in a variable for any given period is the change between that period and the corresponding period of the previous year, expressed as a percentage of the latter.
Contribution (percentage points)	8	The contribution (percentage points) to the annual percentage change for any given period is calculated by multiplying the percentage change of each type of commodity/service by its corresponding weight, divided by 100. The weight is the percentage contribution of each type of commodity/service to total income in the corresponding period of the previous year.
Seasonal adjustment	9	Seasonally adjusted estimates are generated each month using the X-12-ARIMA Seasonal Adjustment Program developed by the US Bureau of the Census. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be recognised more clearly. Seasonal adjustment does not aim to remove irregular or non-seasonal influences which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour. The X-12-ARIMA procedure for land transportation is described in more detail on the Stats SA website at: Click to download seasonal adjustment land transport August 2017
Trend cycle	10	The trend is the long-term pattern or movement of a time series. The X-12-ARIMA Seasonal Adjustment Program is used for smoothing seasonally adjusted estimates to estimates of the underlying trend cycle.

Glossary

Enterprise	An enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its activities.	
Industry	An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts</i> (SNA) in the same way as in the <i>Standard Industrial Classification of all Economic Activities</i> (SIC), Fifth Edition, Report No. 09-90-02 of January 1993.	
Symbols and abbreviations	BSF	Business sampling frame
	GDP	Gross domestic product
	ISIC	International Standard Industrial Classification
	SIC	Standard Industrial Classification of all Economic Activities
	SARS	South African Revenue Service
	Stats SA	Statistics South Africa
	VAT	Value added tax

Technical enquiries

Kagisho Mathabatha	Telephone number: (082) 409 7077 Email: kagishoma@statssa.gov.za
Keshnee Naidoo	Telephone number: (083) 689 5341 Email: keshneen@statssa.gov.za

General information

Stats SA publishes approximately 300 different statistical releases each year. It is not economically viable to produce them in more than one of South Africa's eleven official languages. Since the releases are used extensively, not only locally but also by international economic and social-scientific communities, Stats SA releases are published in English only.

Stats SA has copyright on this publication. Users may apply the information as they wish, provided that they acknowledge Stats SA as the source of the basic data wherever they process, apply, utilise, publish or distribute the data: and also that they specify that the relevant application and analysis (where applicable) result from their own processing of the data.

Advance release calendar

A release calendar is disseminated on www.statssa.gov.za

Stats SA products

A complete set of Stats SA publications is available at the Stats SA Library and the following libraries:

National Library of South Africa, Pretoria Division
National Library of South Africa, Cape Town Division
Natal Society Library, Pietermaritzburg
Library of Parliament, Cape Town
Bloemfontein Public Library
Johannesburg Public Library
Eastern Cape Library Services, King William's Town
Central Regional Library, Polokwane
Central Reference Library, Mbombela
Central Reference Collection, Kimberley
Central Reference Library, Mmabatho

Stats SA also provides a subscription service.

Electronic services

A large range of data is available via online services. For more detail about our electronic services, contact Stats SA's user information service at (012) 310 8600.

You can visit us on the internet at: www.statssa.gov.za

General enquiries

User information services	Telephone number: (012) 310 8600 Email address: info@statssa.gov.za
---------------------------	---

Postal address	Private Bag X44, Pretoria, 0001
----------------	---------------------------------

Produced by Stats SA