

## STATISTICAL RELEASE P6141.2

# Wholesale trade sales (Preliminary)

February 2018

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#### Sales at constant 2015 prices: results for February 2018

	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18
Year-on-year % change, unadjusted	-9,1	-0,7	0,8	-5,5	-2,5	0,7
Month-on-month % change, seasonally adjusted	-4,8	5,2	1,9	-2,2	-1,4	-0,3
3-month % change, seasonally adjusted 1/	-2,5	-2,6	-1,8	1,6	1,6	-0,4

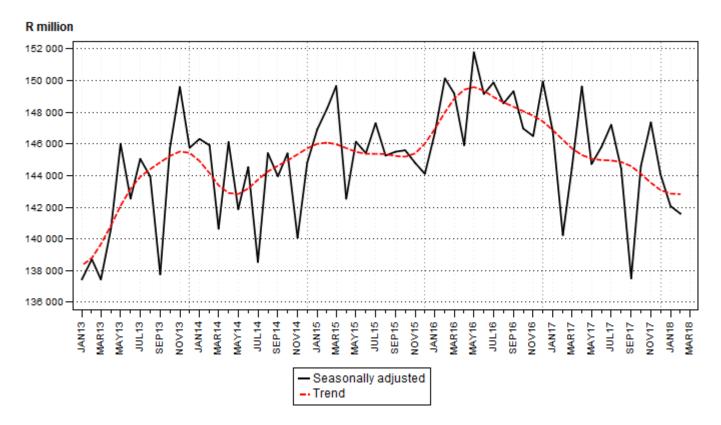
1/ Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Measured in real terms (constant 2015 prices), wholesale trade sales increased by 0,7% in February 2018 compared with February 2017.

Seasonally adjusted wholesale trade sales decreased by 0,3% in February 2018 compared with January 2018. This followed month-on-month changes of -1,4% in January 2018 and -2,2% in December 2017.

In the three months ended February 2018, seasonally adjusted wholesale trade sales decreased by 0,4% compared with the previous three months.

#### Figure 1 – Wholesale trade sales at constant 2015 prices



#### Sales at current prices: results for February 2018

	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18
Year-on-year % change, unadjusted	-3,8	5,4	6,7	0,8	3,6	5,3
Month-on-month % change, seasonally adjusted	-2,1	4,5	3,1	-2,0	-1,1	0,5
3-month % change, seasonally adjusted 1/	-0,9	0,5	1,9	4,3	3,6	0,9

1/ Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Measured in nominal terms (current prices), wholesale trade sales increased by 5,3% in February 2018 compared with February 2017. The main contributors to this increase were dealers in:

- solid, liquid and gaseous fuels and related products (17,4% and contributing 3,1 percentage points); and
- machinery, equipment and supplies (12,4% and contributing 1,6 percentage points) see Tables 8 and 9.

#### Table C - Wholesale trade sales at current prices for the latest three months by type of dealer

Type of dealer	Dec 2016 – Feb 2017 (R million)	Weight	Dec 2017 – Feb 2018 (R million)	% change between Dec 2016 – Feb 2017 and Dec 2017 – Feb 2018	Contribution (% points) to the total % change
Fee or contract basis	15 481	3,4	16 281	5,2	0,2
Agricultural raw materials and livestock	38 602	8,5	34 429	-10,8	-0,9
Food, beverages and tobacco	78 867	17,3	84 528	7,2	1,2
Textiles, clothing and footwear	9 802	2,2	9 961	1,6	0,0
Other household goods except precious stones	60 185	13,2	60 941	1,3	0,2
Precious stones, jewellery and silverware	9 653	2,1	11 015	14,1	0,3
Solid, liquid and gaseous fuels and related products	89 288	19,6	97 137	8,8	1,7
Metals and metal ores	10 641	2,3	10 072	-5,3	-0,1
Construction and building materials	20 731	4,6	21 750	4,9	0,2
Other intermediate products, waste and scrap	24 420	5,4	24 820	1,6	0,1
Machinery, equipment and supplies	59 934	13,2	60 705	1,3	0,2
Other goods	37 583	8,3	37 848	0,7	0,1
Total	455 187	100,0	469 489	3,1	3,1

Wholesale trade sales increased by 3,1% in the three months ended February 2018 compared with the three months ended February 2017. The main contributors to this increase were dealers in:

- solid, liquid and gaseous fuels and related products (8,8% and contributing 1,7 percentage points); and
- food, beverages and tobacco (7,2% and contributing 1,2 percentage points) see Table C.

#### Risenga Maluleke Statistician-General

#### Tables

Table 1 – Wholesale trade sales at constant 2015 prices (R million)

Month	2012	2013	2014	2015	2016	2017	2018 1/
Jan	117 508	124 270	132 660	131 578	128 096	129 640	126 372
Feb	129 907	132 955	140 819	143 576	151 781	135 224	136 152
Mar	135 810	133 623	141 865	152 953	150 324	150 422	
Apr	122 932	135 543	134 800	131 164	136 935	133 669	
Мау	134 304	145 209	139 844	141 332	148 698	143 359	
Jun	130 345	137 624	141 859	145 646	150 125	147 921	
Jul	132 989	143 935	138 140	146 857	145 855	143 270	
Aug	138 941	145 125	143 468	143 335	149 931	146 675	
Sep	132 692	142 417	151 282	152 302	157 303	142 977	
Oct	148 966	157 581	157 388	156 443	154 828	153 802	
Nov	156 364	165 231	153 348	159 531	162 344	163 632	
Dec	138 316	146 262	146 685	146 690	151 698	143 360	
Total	1 619 074	1 709 775	1 722 158	1 751 407	1 787 918	1 733 951	

1/ Figures for latest month are preliminary.

#### Table 2 – Year-on-year percentage change in wholesale trade sales at constant 2015 prices

Month	2013	2014	2015	2016	2017	2018	2018 year-to-date
Jan	5,8	6,8	-0,8	-2,6	1,2	-2,5	-2,5
Feb	2,3	5,9	2,0	5,7	-10,9	0,7	-0,9
Mar	-1,6	6,2	7,8	-1,7	0,1		
Apr	10,3	-0,5	-2,7	4,4	-2,4		
May	8,1	-3,7	1,1	5,2	-3,6		
Jun	5,6	3,1	2,7	3,1	-1,5		
Jul	8,2	-4,0	6,3	-0,7	-1,8		
Aug	4,5	-1,1	-0,1	4,6	-2,2		
Sep	7,3	6,2	0,7	3,3	-9,1		
Oct	5,8	-0,1	-0,6	-1,0	-0,7		
Nov	5,7	-7,2	4,0	1,8	0,8		
Dec	5,7	0,3	0,0	3,4	-5,5		
Total	5,6	0,7	1,7	2,1	-3,0		

#### Table 3 – Seasonally adjusted wholesale trade sales at constant 2015 prices

Month		R m	illion		Month-on-month % change				
	2015	2016	2017	2018	2015	2016	2017	2018	
Jan	146 913	146 709	146 770	142 073	1,4	1,8	-2,1	-1,4	
Feb	148 250	150 145	140 237	141 591	0,9	2,3	-4,5	-0,3	
Mar	149 665	149 186	144 477		1,0	-0,6	3,0		
Apr	142 538	145 917	149 629		-4,8	-2,2	3,6		
Мау	146 145	151 795	144 727		2,5	4,0	-3,3		
Jun	145 416	149 156	145 822		-0,5	-1,7	0,8		
Jul	147 316	149 886	147 211		1,3	0,5	1,0		
Aug	145 265	148 565	144 434		-1,4	-0,9	-1,9		
Sep	145 509	149 331	137 505		0,2	0,5	-4,8		
Oct	145 601	146 977	144 597		0,1	-1,6	5,2		
Nov	144 800	146 496	147 366		-0,6	-0,3	1,9		
Dec	144 111	149 952	144 069		-0,5	2,4	-2,2		

#### Table 4 – Wholesale trade sales at current prices (R million)

Month	2012	2013	2014	2015	2016	2017	2018 1/
Jan	101 303	114 385	130 950	125 162	132 550	141 155	146 197
Feb	113 544	122 442	139 912	136 957	158 224	148 811	156 763
Mar	118 582	124 695	142 727	150 019	156 593	165 755	
Apr	108 910	125 516	136 149	130 743	144 804	147 386	
Мау	119 264	134 183	141 103	141 877	157 449	159 144	
Jun	115 268	128 558	143 379	147 351	160 885	163 606	
Jul	117 442	135 211	140 326	149 012	157 707	159 029	
Aug	123 368	137 690	145 085	144 451	160 568	163 336	
Sep	118 815	135 089	152 718	153 380	167 590	161 291	
Oct	134 809	150 724	158 427	159 428	166 246	175 204	
Nov	142 381	158 261	153 108	162 898	176 328	188 144	
Dec	126 039	141 913	144 642	150 128	165 221	166 529	
Total	1 439 725	1 608 667	1 728 526	1 751 406	1 904 165	1 939 390	

1/ Figures for latest month are preliminary.

#### Table 5 – Year-on-year percentage change in wholesale trade sales at current prices

Month	2013	2014	2015	2016	2017	2018	2018 year-to-date
Jan	12,9	14,5	-4,4	5,9	6,5	3,6	3,6
Feb	7,8	14,3	-2,1	15,5	-5,9	5,3	4,5
Mar	5,2	14,5	5,1	4,4	5,9		
Apr	15,2	8,5	-4,0	10,8	1,8		
May	12,5	5,2	0,5	11,0	1,1		
Jun	11,5	11,5	2,8	9,2	1,7		
Jul	15,1	3,8	6,2	5,8	0,8		
Aug	11,6	5,4	-0,4	11,2	1,7		
Sep	13,7	13,0	0,4	9,3	-3,8		
Oct	11,8	5,1	0,6	4,3	5,4		
Nov	11,2	-3,3	6,4	8,2	6,7		
Dec	12,6	1,9	3,8	10,1	0,8		
Total	11,7	7,5	1,3	8,7	1,8		

#### Table 6 – Seasonally adjusted wholesale trade sales at current prices

Month		R mi	llion		Month-on-month % change				
WORTH	2015	2016	2017	2018	2015	2016	2017	2018	
Jan	140 518	152 560	159 839	164 414	-0,9	3,7	-2,0	-1,1	
Feb	143 584	160 738	156 468	165 293	2,2	5,4	-2,1	0,5	
Mar	147 270	156 919	159 733		2,6	-2,4	2,1		
Apr	141 203	154 124	164 653		-4,1	-1,8	3,1		
May	145 125	158 765	159 041		2,8	3,0	-3,4		
Jun	146 335	159 464	160 156		0,8	0,4	0,7		
Jul	148 375	160 490	161 306		1,4	0,6	0,7		
Aug	145 128	157 937	160 828		-2,2	-1,6	-0,3		
Sep	149 027	160 588	157 458		2,7	1,7	-2,1		
Oct	148 284	157 963	164 477		-0,5	-1,6	4,5		
Nov	147 159	158 964	169 575		-0,8	0,6	3,1		
Dec	147 089	163 091	166 256		0,0	2,6	-2,0		

#### Table 7 – Wholesale trade sales at current prices by type of dealer (R million)

Type of dealer	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18 1/
Fee or contract basis	6 238	6 993	6 360	6 181	4 381	5 719
Agricultural raw materials and livestock	10 974	11 623	15 898	12 587	10 473	11 369
Food, beverages and tobacco	27 348	26 218	28 500	35 906	24 412	24 210
Textiles, clothing and footwear	5 319	5 623	4 810	3 243	2 767	3 951
Other household goods except precious stones	22 801	23 721	24 608	21 521	19 125	20 295
Precious stones, jewellery and silverware	3 357	5 978	7 231	3 000	3 296	4 719
Solid, liquid and gaseous fuels and related products	31 427	34 719	35 887	34 097	31 369	31 671
Metals and metal ores	3 913	4 282	4 630	2 487	3 350	4 235
Construction and building materials	8 750	9 903	10 310	6 276	7 123	8 351
Other intermediate products, waste and scrap	8 705	11 650	12 630	8 428	8 272	8 120
Machinery, equipment and supplies	19 674	21 249	22 693	18 612	20 829	21 264
Other goods	12 786	13 245	14 588	14 192	10 797	12 859
Total	161 291	175 204	188 144	166 529	146 197	156 763

1/ Figures are preliminary.

#### Table 8 – Year-on-year percentage change in wholesale trade sales at current prices by type of dealer

Type of dealer	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18
Fee or contract basis	-7,6	26,8	5,3	8,1	0,9	5,5
Agricultural raw materials and livestock	-30,8	-14,8	-3,9	-14,4	-5,6	-11,2
Food, beverages and tobacco	0,5	3,2	4,8	8,4	10,6	2,3
Textiles, clothing and footwear	-8,5	13,9	-11,3	0,6	-2,8	5,9
Other household goods except precious stones	2,4	5,8	0,2	0,6	1,7	1,5
Precious stones, jewellery and silverware	-20,3	54,3	77,8	8,0	65,9	-3,4
Solid, liquid and gaseous fuels and related products	7,0	8,7	18,1	6,6	3,5	17,4
Metals and metal ores	-8,1	4,1	-6,4	-9,9	-0,9	-5,9
Construction and building materials	-13,3	-0,1	-2,5	6,2	6,6	2,6
Other intermediate products, waste and scrap	2,4	21,6	21,9	3,9	0,2	0,9
Machinery, equipment and supplies	-5,4	-3,5	2,2	-14,5	8,2	12,4
Other goods	2,8	2,7	4,0	3,1	-10,7	9,6
Total	-3,8	5,4	6,7	0,8	3,6	5,3

### Table 9 – Contribution of type of dealer to the year-on-year percentage change in wholesale trade sales at current prices

Type of dealer	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18
Fee or contract basis	-0,3	0,9	0,2	0,3	0,0	0,2
Agricultural raw materials and livestock	-2,9	-1,2	-0,4	-1,3	-0,4	-1,0
Food, beverages and tobacco	0,1	0,5	0,7	1,7	1,7	0,4
Textiles, clothing and footwear	-0,3	0,4	-0,4	0,0	-0,1	0,1
Other household goods except precious stones	0,3	0,8	0,0	0,1	0,2	0,2
Precious stones, jewellery and silverware	-0,5	1,2	1,8	0,1	0,9	-0,1
Solid, liquid and gaseous fuels and related products	1,2	1,7	3,1	1,3	0,8	3,1
Metals and metal ores	-0,2	0,1	-0,2	-0,2	0,0	-0,2
Construction and building materials	-0,8	0,0	-0,2	0,2	0,3	0,1
Other intermediate products, waste and scrap	0,1	1,3	1,3	0,2	0,0	0,0
Machinery, equipment and supplies	-0,7	-0,5	0,3	-1,9	1,1	1,6
Other goods	0,2	0,2	0,3	0,3	-0,9	0,8
Total	-3,8	5,4	6,7	0,8	3,6	5,3

Survey information		
Introduction	1	Statistics South Africa (Stats SA) conducts a monthly survey covering enterprises in the wholesale trade industry (see 4 below). This survey is based on a sample drawn from Stats SA's 2017 business sampling frame (BSF) that contains businesses registered at the South African Revenue Service (SARS) for value added tax (VAT) and income tax (IT). Stats SA continuously updates its BSF, which is linked to the SARS administrative data.
	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 wholesale trade sales estimates exclude VAT.
Purpose of the survey	3	The results of the monthly wholesale trade sales 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 wholesale enterprises according to the following types of dealers:
		<ul> <li>Wholesale trade on a fee or contract basis – sales by commission agents, commodity brokers, auctioneers and 'other' wholesale trade on a fee or contract basis;</li> <li>Wholesale trade in agricultural raw materials and livestock;</li> <li>Wholesale trade in food, beverages and tobacco;</li> <li>Wholesale trade in textiles, clothing and footwear;</li> <li>Wholesale trade in 'other' household goods except precious stones. This group includes wholesale trade in household furniture, requisites and appliances, wholesale trade in books and stationery, wholesale trade in pharmaceuticals and toiletries and wholesale trade in 'other' household goods not elsewhere classified;</li> <li>Wholesale trade in precious stones, jewellery and silverware;</li> <li>Wholesale trade in solid, liquid and gaseous fuels and related products;</li> <li>Wholesale trade in construction materials, hardware, plumbing and heating equipment and supplies;</li> <li>Wholesale trade in 'other' intermediate products, waste and scrap;</li> <li>Wholesale trade in 'other' intermediate products, and supplies; and</li> <li>Wholesale trade in 'other' intermediate products, waste and scrap;</li> <li>Wholesale trade in 'other' intermediate products, waste and scrap;</li> <li>Wholesale trade in 'other' intermediate products, waste and scrap;</li> <li>Wholesale trade in 'other' intermediate products, waste and scrap;</li> <li>Wholesale trade in 'other' intermediate products, waste and scrap;</li> <li>Wholesale trade in 'other' intermediate products, waste and scrap;</li> </ul>
Classification	5	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. Each enterprise is classified to the industry which reflects its predominant activity. Statistics in this publication are presented at SIC four digit level.
Collection rate	6	The preliminary collection rate for the survey on wholesale trade sales for February 2018 was 82,8%. The improved collection rate for January 2018 was 89,3%.

Statistical unit	7	The statistical unit for which information is compiled and published is the enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its sales activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.
Revised figures	8	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	9	Users may also refer to the following publication available from Stats SA:
		• Stats in Brief issued annually.
Rounding-off of figures	10	Where figures have been rounded off, discrepancies may occur between sums of the component items and the totals.
Historical data	11	Historical wholesale trade sales data are available on the Stats SA website. To access the data electronically, use the following link: <u>Click to download historical data</u>
Past publications	12	Past wholesale trade sales releases are available on the Stats SA website. To access the releases electronically, use the following link:

#### Technical notes

- 1 The survey is conducted monthly. Questionnaires are sent to a sample of 1 275 enterprises from a population of 19 534 enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Email, 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 2017 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 point 3 below).

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

$$nh = n * (Nh * Sh) / [\Sigma (Ni * Si)].$$

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 6,4%.

Class limits
 The wholesale sampling frame is divided into four size groups. All large enterprises (size group one) are completely enumerated. Simple random sampling is applied to the remaining size groups (medium, small and very small). The total value of sales of the large enterprises (size group one) is added to the weighted totals of size group two, three and four to reflect the total value of sales.

#### Measure of size classes (Rand)

Enterprise size	Size group	Lower limits	Upper limits
Very small	4	2 314 764	27 000 000
Small	3	27 000 001	144 000 000
Medium	2	144 000 001	288 000 000
Large	1	288 000 001	

- Sample weighting
   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 group estimates. These procedures are consistent with international best practice.
- Seasonal adjustment
   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 more clearly recognised. 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 wholesale trade sales is described in more detail on the Stats SA website: Click to download seasonal\_adjustment\_wholesale\_trade\_sales\_August\_2017

Trend cycle

**6** 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.

Constant prices	7	Stats SA compiles its monthly estimates of wholesale trade sales at current prices from a survey of wholesalers in the formal sector. For January 1998 to December 2011, wholesale trade sales at constant prices were calculated using the 'all groups' PPI for domestic output, but excluding electricity and other utilities.
		<ul> <li>From January 2012, wholesale trade sales at constant prices are compiled as follows:</li> <li>(1) Deflate sales of dealers in agricultural raw materials and livestock using the PPI for agriculture.</li> <li>(2) Deflate sales of dealers in food, beverages and tobacco using the final manufacturing PPI for food products, beverages and tobacco.</li> <li>(3) Deflate sales of dealers in textiles, clothing and footwear using the final manufacturing PPI for textiles, clothing and footwear.</li> <li>(4) Deflate sales of dealers in solid, liquid and gaseous fuels and related products using the final manufacturing PPI for coal and petroleum products.</li> <li>(5) Deflate sales of dealers in machinery, equipment and supplies using the final manufacturing PPIs for general and special purpose machinery; household appliances and office machinery; and electrical machinery and communication and metering equipment,</li> <li>(6) Deflate the remaining wholesale trade sales using the headline PPI (final manufacturing) excluding the PPIs for food products, beverages and tobacco; textiles, clothing and footwear; coal and petroleum products; general and special purpose machinery; household appliances and office machinery; household appliances of the products, beverages and tobacco; textiles, clothing and footwear; coal and petroleum products; general and special purpose machinery and communication and metering equipment; and transport equipment. The PPI for transport equipment is excluded because it measures producer prices of motor vehicles, which are not included in wholesale trade.</li> <li>Total wholesale trade sales at constant prices is obtained by aggregating (1) to (6).</li> </ul>
Reliability of estimates	8	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 wholesale industry in South Africa. Estimates are subject to sampling and non-sampling errors.
	9	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.
Month-on-month percentage change	10	The month-on-month percentage change in a variable for any given month is the change between that month and the previous month, expressed as a percentage of the latter.
Year-on-year percentage change	11	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)	12	The contribution (percentage points) to the year-on-year percentage change is calculated by multiplying the percentage change of each type of wholesaler by its corresponding weight, divided by 100. The weight is the percentage contribution of each type of wholesaler to total wholesale trade sales in the corresponding period of the previous year.

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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 sales activities.			
Industry	economic ac the same wa	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 GDP ISIC SIC SARS Stats SA VAT	Business sampling frame Gross domestic product International Standard Industrial Classification Standard Industrial Classification of all Economic Activities South African Revenue Service Statistics South Africa Value added tax		
Wholesale trade	Wholesale trade includes the resale (sale without transformation) of new and used goods and products to other wholesalers, retailers, agricultural, industrial, commercial, institutional and professional users either directly or through agents on a fee or contract basis.			
Wholesaler		r is an enterprise deriving 50% or more of its turnover from sales of goods inesses and institutions.		
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