Statistics
South Africa

# Wholesale trade sales Preliminary: December 2005 

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## Table A - Key figures as at the end of December 2005

|  |  |  | \% change <br> between <br> October <br> to | \% change <br> between <br> January <br> to |
| :--- | :---: | :---: | :---: | :---: |
| Estimates | December 2005 <br> R million | \% change <br> between <br> December 2004 <br> and <br> December 2005 | December 2004 <br> and <br> October <br> to <br> December 2004 <br> and <br> January <br> to |  |
| Wholesale trade sales 2005 |  |  |  |  |
| at current prices | 49912 | $+6,6$ | December 2005 |  |
| at constant 2000 prices | 37192 | $+1,5$ | $+5,9$ | $+6,5$ |


|  |  |  | \% change <br> between <br> July <br> to |
| :--- | ---: | ---: | ---: |
| Seasonally adjusted <br> estimates | December 2005 <br> R million | \% change <br> between <br> November <br> and <br> December 2005 | September 2005 <br> and <br> October <br> to <br> December 2005 |
| Wholesale trade sales | 50793 | $-1,3$ | $+1,4$ |
| at current prices | 37733 | $-1,5$ | $+0,8$ |
| at constant 2000 prices |  |  |  |

Key findings as at the end of December 2005
Wholesale trade sales increase in real terms
As indicated in table A, wholesale trade sales, at constant (2000) prices, for the fourth quarter of 2005 increased by $\mathbf{1 , 4 \%}$ compared with the fourth quarter of 2004. Furthermore seasonally adjusted wholesale trade sales, at constant (2000) prices, for the fourth quarter of 2005 increased by $0,8 \%$ compared with the third quarter of 2005.

Wholesale trade sales at constant (2000) prices, for the month of December 2005 increased by 1,5\% compared with December 2004.

Wholesale trade sales at constant (2000) prices, for the year 2005 increased by $3,0 \%$ compared with the year 2004.
Wholesale trade sales increase at current prices
Wholesale trade sales, at current prices, for the fourth quarter of 2005 increased by 5,9\% compared with the same period in 2004.

Wholesale trade sales at current prices, for the year 2005 increased by 6,5\% compared with the year 2004.

Figure 1 below shows the seasonally adjusted and trend patterns for wholesale trade sales at constant (2000) prices between January 2000 and December 2005. The trend cycle showed a gradual upward trend from January 2000 until the beginning of 2004. Thereafter, the trend cycle started to increase sharply until October 2004. It then showed a slight decline at the beginning of 2005 but has resumed an upward trend since the middle of 2005.

Figure 1 - Wholesale trade sales (at constant 2000 prices)


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## Notes

## Forthcoming issue

## Issue

January 2006

## Expected release date

6 April 2006

Purpose of the survey 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.

## Detailed results

Outlined below in table 1 are wholesale trade sales according to type of dealer.

Table 1 - Total wholesale trade sales according to type of dealer at current prices ( R million) for 2005

| Month 1/ | Type A | Type 3 | Type C | Type D | Type E | Type F | Type G | Type H | Type I | Type J | Type K | Type L | Total 2/ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| January | 1005 | 2510 | 8087 | 782 | 3495 | 1467 | 6149 | 1423 | 2354 | 1402 | 6286 | 4284 | 39244 |
| February | 1176 | 2445 | 8358 | 1080 | 3597 | 810 | 6737 | 1673 | 2642 | 1343 | 7268 | 3968 | 41097 |
| March | 1252 | 2016 | 8642 | 1181 | 4169 | 1783 | 7367 | 1610 | 2705 | 1484 | 7242 | 4432 | 43883 |
| April | 1234 | 2018 | 9034 | 1159 | 4234 | 1766 | 7843 | 1656 | 2901 | 1399 | 7501 | 4370 | 45115 |
| May | 1618 | 2000 | 9350 | 1068 | 4380 | 2039 | 7952 | 1809 | 3044 | 1492 | 7704 | 4489 | 46945 |
| June | 1852 | 2213 | 9277 | 993 | 4436 | 1837 | 9488 | 1729 | 2977 | 1716 | 7695 | 4403 | 48622 |
| July | 2026 | 2034 | 9833 | 1093 | 4581 | 972 | 9322 | 1796 | 3266 | 1543 | 7345 | 4711 | 48529 |
| August | 1875 | 2129 | 8856 | 1295 | 4863 | 1384 | 10011 | 1886 | 3271 | 1613 | 7858 | 4876 | 49923 |
| September | 1677 | 2106 | 9381 | 1417 | 5117 | 1986 | 10066 | 1899 | 3307 | 1786 | 8399 | 4722 | 51870 |
| October | 1924 | 2202 | 10016 | 1497 | 5681 | 2042 | 10260 | 1879 | 3375 | 1835 | 8103 | 4828 | 53649 |
| November | 2254 | 2831 | 10243 | 1615 | 6551 | 2132 | 9603 | 2126 | 3742 | 1977 | 8737 | 5680 | 57498 |
| December | 2098 | 2453 | 11763 | 994 | 5367 | 1575 | 9300 | 1236 | 2277 | 1388 | 6643 | 4812 | 49912 |

1/ Preliminary
2/ The figures have been rounded off. Therefore, discrepancies may occur between the sums of the component items and the totals

Description of type of dealers included in indicated group types in table $1^{1 /}$

| Group type | Type of dealers included in group type |
| :--- | :--- |
| Type A | Wholesale trade on a fee or contract basis |
| Type B | Wholesale trade in agricultural raw materials and livestock |
| Type C | Wholesale trade in food, beverages and tobacco |
| Type D | Wholesale trade in textiles, clothing and footwear |
| Type E | Wholesale trade in other household goods except precious stones |
| Type F | Wholesale trade in precious stones, jewellery and silverware |
| Type G | Wholesale trade in solid, liquid and gaseous fuels and related products |
| Type H | Wholesale trade in metals and metal ores |
| Type I | Wholesale trade in construction and building materials |
| Type J | Wholesale trade in other intermediate products, waste and scrap |
| Type K | Wholesale trade in machinery, equipment and supplies |
| Type L | Wholesale trade in other goods |

[^0]Tables 2 and 3 show wholesale trade sales at current prices over the period January 1998 to December 2005. Table 4 gives seasonally adjusted wholesale trade sales at current prices over the same period.

Table 2 - Total wholesale trade sales at current prices ( R million)

| Month | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | $20051 /$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| January | 18777 | 19818 | 22440 | 27046 | 30828 | 33506 | 35074 | 39244 |
| February | 20360 | 21588 | 25155 | 29117 | 32484 | 38329 | 39615 | 41097 |
| March | 21272 | 22006 | 27377 | 29161 | 34550 | 39429 | 42886 | 43883 |
| April | 20609 | 21597 | 25264 | 28324 | 34422 | 36551 | 38300 | 45115 |
| May | 20923 | 22380 | 27145 | 30066 | 35064 | 38634 | 46230 | 46946 |
| June | 21447 | 22518 | 27220 | 30596 | 34449 | 39913 | 47606 | 48623 |
| July | 22074 | 22860 | 26339 | 29621 | 33911 | 40674 | 45604 | 48530 |
| August | 22370 | 25097 | 27858 | 30184 | 34951 | 39039 | 46515 | 49923 |
| September | 23259 | 25594 | 27877 | 28865 | 36672 | 39886 | 47056 | 51870 |
| October | 23678 | 24635 | 30104 | 33059 | 41151 | 42004 | 50934 | 53649 |
| November | 23330 | 27583 | 31014 | 34233 | 40608 | 42887 | 54290 | 57498 |
| December | 21771 | 25679 | 29191 | 33289 | 36857 | 36656 | 46840 | 49912 |
| Total | 259870 | 281355 | 326984 | 363561 | 425947 | 467508 | 540950 | 576290 |

1/ Preliminary
Table 3 - Percentage change in total wholesale trade sales at current prices ${ }_{\text {/ }}$

| Month | $\mathbf{1 9 9 8}$ | $\mathbf{1 9 9 9}$ | $\mathbf{2 0 0 0}$ | $\mathbf{2 0 0 1}$ | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| January | - | 5,5 | 13,2 | 20,5 | 14,0 | 8,7 | 4,7 | 11,9 |
| February | - | 6,0 | 16,5 | 15,8 | 11,6 | 18,0 | 3,4 | 3,7 |
| March | - | 3,5 | 24,4 | 6,5 | 18,5 | 14,1 | 8,8 | 2,3 |
| April | - | 4,8 | 17,0 | 12,1 | 21,5 | 6,2 | 4,8 | 17,8 |
| May | - | 7,0 | 21,3 | 10,8 | 16,6 | 10,2 | 19,7 | 1,5 |
| June | - | 5,0 | 20,9 | 12,4 | 12,6 | 15,9 | 19,3 | 2,1 |
| July | - | 3,6 | 15,2 | 12,5 | 14,5 | 19,9 | 12,1 | 6,4 |
| August | - | 12,2 | 11,0 | 8,3 | 15,8 | 11,7 | 19,2 | 7,3 |
| September | - | 10,0 | 8,9 | 3,5 | 27,0 | 8,8 | 18,0 | 10,2 |
| October | - | 4,0 | 22,2 | 9,8 | 24,5 | 2,1 | 21,3 | 5,3 |
| November | - | 18,2 | 12,4 | 10,4 | 18,6 | 5,6 | 26,6 | 5,9 |
| December | - | 18,0 | 13,7 | 14,0 | 10,7 | $-0,5$ | 27,8 | 6,6 |
| Total | - | $\mathbf{8 , 3}$ | $\mathbf{1 6 , 2}$ | $\mathbf{1 1 , 2}$ | $\mathbf{1 7 , 2}$ | $\mathbf{9 , 8}$ | $\mathbf{1 5 , 7}$ | $\mathbf{6 , 5}$ |

1/ The percentage change is the difference between wholesale trade sales of the relevant year and those of the previous year expressed as a percentage
Table 4 - Seasonally adjusted total wholesale trade sales at current prices ( $\mathbf{R}$ million)

| Month | $\mathbf{1 9 9 8}$ | $\mathbf{1 9 9 9}$ | $\mathbf{2 0 0 0}$ | $\mathbf{2 0 0 1}$ | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| January | 20854 | 21930 | 24787 | 29972 | 34373 | 37676 | 39868 | 44947 |
| February | 20876 | 22124 | 25724 | 29814 | 33253 | 39367 | 40792 | 42384 |
| March | 21161 | 21884 | 27204 | 28919 | 34342 | 39279 | 42942 | 43956 |
| April | 21491 | 22528 | 26420 | 29741 | 36241 | 38529 | 40401 | 47629 |
| May | 21096 | 22504 | 27199 | 29976 | 34837 | 38281 | 45836 | 46555 |
| June | 21590 | 22640 | 27283 | 30495 | 34083 | 39270 | 46686 | 47588 |
| July | 22490 | 23323 | 26928 | 30321 | 34631 | 41368 | 46166 | 49042 |
| August | 22052 | 24830 | 27689 | 30170 | 35058 | 39206 | 46645 | 50022 |
| September | 22892 | 25207 | 27455 | 28485 | 36174 | 39289 | 46224 | 50958 |
| October | 22148 | 23025 | 28102 | 30792 | 38334 | 39039 | 47368 | 49931 |
| November | 21570 | 25501 | 28597 | 31393 | 36977 | 38706 | 48702 | 51437 |
| December | 21598 | 25516 | 29042 | 33255 | 36987 | 36974 | 47493 | 50793 |

Tables 5 and 6 show wholesale trade sales at constant prices over the period January 1998 to December 2005.
Table 7 gives seasonally adjusted wholesale trade sales at constant prices over the same period.
Table 5 - Total wholesale trade sales at constant 2000 prices ( R million)

| Month | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | $20051 /$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| January | 21834 | 22032 | 23351 | 25930 | 26541 | 26709 | 28138 | 30828 |
| February | 23743 | 23880 | 26027 | 27783 | 27413 | 30493 | 31604 | 32170 |
| March | 24778 | 24169 | 28209 | 27759 | 28900 | 31367 | 34240 | 34164 |
| April | 23743 | 23681 | 25596 | 26695 | 28319 | 29089 | 30289 | 34838 |
| May | 23995 | 24234 | 27406 | 28125 | 28635 | 31082 | 36517 | 36071 |
| June | 24595 | 24343 | 27329 | 28422 | 28019 | 31689 | 36990 | 36808 |
| July | 24942 | 24542 | 26299 | 27363 | 27293 | 32090 | 35476 | 36338 |
| August | 24967 | 26813 | 27514 | 27679 | 27860 | 30922 | 36156 | 37214 |
| September | 25857 | 27330 | 27424 | 26470 | 29255 | 31973 | 36835 | 38898 |
| October | 26441 | 26165 | 29428 | 29891 | 32608 | 33684 | 39683 | 40217 |
| November | 26023 | 29111 | 29994 | 30592 | 32076 | 34517 | 42266 | 42877 |
| December | 24352 | 26973 | 28123 | 29590 | 29228 | 29466 | 36637 | 37192 |
| Total | 295270 | 303273 | 326700 | 336299 | 346147 | 373081 | 424831 | 437615 |

1/ Preliminary
Table 6 - Percentage change in total wholesale trade sales at constant 2000 prices ${ }_{1 /}$

| Month | $\mathbf{1 9 9 8}$ | $\mathbf{1 9 9 9}$ | $\mathbf{2 0 0 0}$ | $\mathbf{2 0 0 1}$ | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| January | - | 0,9 | 6,0 | 11,0 | 2,4 | 0,6 | 5,4 | 9,6 |
| February | - | 0,6 | 9,0 | 6,7 | $-1,3$ | 11,2 | 3,6 | 1,8 |
| March | - | $-2,5$ | 16,7 | $-1,6$ | 4,1 | 8,5 | 9,2 | $-0,2$ |
| April | - | $-0,3$ | 8,1 | 4,3 | 6,1 | 2,7 | 4,1 | 15,0 |
| May | - | 1,0 | 13,1 | 2,6 | 1,8 | 8,5 | 17,5 | $-1,2$ |
| June | - | $-1,0$ | 12,3 | 4,0 | $-1,4$ | 13,1 | 16,7 | $-0,5$ |
| July | - | $-1,6$ | 7,2 | 4,0 | $-0,3$ | 17,6 | 10,6 | 2,4 |
| August | - | 7,4 | 2,6 | 0,6 | 0,7 | 11,0 | 16,9 | 2,9 |
| September | - | 5,7 | 0,3 | $-3,5$ | 10,5 | 9,3 | 15,2 | 5,6 |
| October | - | $-1,0$ | 12,5 | 1,6 | 9,1 | 3,3 | 17,8 | 1,3 |
| November | - | 11,9 | 3,0 | 2,0 | 4,9 | 7,6 | 22,4 | 1,4 |
| December | - | 10,8 | 4,3 | 5,2 | $-1,2$ | 0,8 | 24,3 | 1,5 |
| Total | - | $\mathbf{2 , 7}$ | $\mathbf{7 , 7}$ | $\mathbf{2 , 9}$ | $\mathbf{2 , 9}$ | $\mathbf{7 , 8}$ | $\mathbf{1 3 , 9}$ | $\mathbf{3 , 0}$ |

1/ The percentage change is the difference between wholesale trade sales of the relevant year and those of the previous year expressed as a percentage
Table 7 - Seasonally adjusted total wholesale trade sales at constant 2000 prices ( $\mathbf{R}$ million)

| Month | $\mathbf{1 9 9 8}$ | $\mathbf{1 9 9 9}$ | $\mathbf{2 0 0 0}$ | $\mathbf{2 0 0 1}$ | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| January | 24310 | 24436 | 25829 | 28745 | 29554 | 29952 | 31849 | 35130 |
| February | 24318 | 24463 | 26623 | 28465 | 28076 | 31328 | 32536 | 33149 |
| March | 24795 | 24163 | 28170 | 27649 | 28789 | 31239 | 34199 | 34121 |
| April | 24803 | 24746 | 26813 | 28083 | 29906 | 30801 | 32143 | 37019 |
| May | 24258 | 24435 | 27520 | 28068 | 28426 | 30720 | 36059 | 35592 |
| June | 24750 | 24468 | 27408 | 28376 | 27810 | 31302 | 36442 | 36210 |
| July | 25465 | 25087 | 26911 | 28010 | 27872 | 32666 | 35974 | 36787 |
| Augast | 24767 | 26684 | 27496 | 27805 | 28095 | 31244 | 36525 | 37587 |
| September | 25085 | 26561 | 26728 | 25939 | 28741 | 31420 | 36122 | 38165 |
| October | 24693 | 24410 | 27403 | 27769 | 30300 | 31243 | 36844 | 37376 |
| November | 24048 | 26901 | 27629 | 28024 | 29161 | 31108 | 37858 | 38296 |
| December | 24099 | 26740 | 27925 | 29509 | 29278 | 29655 | 37048 | 37733 |

Outlined below in tables 8.1 and 8.2 are the percentage changes in wholesale trade sales at current prices, constant (2000) prices and seasonally adjusted estimates.

Table 8 - Estimates and percentage changes in total wholesale trade sales
Table 8.1-Quarterly and cumulative estimates and percentage changes

| Estimates | October to December 2004 R million | ```October to December 2005 R million``` | \% change between October to December 2004 and October to December 2005 | ```January to December 2004 R million``` | ```January to December 2005 R million``` | \% change between January to December 2004 and January to December 2005 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Wholesale trade sales at current prices at constant 2000 prices | 152064 118586 | $\begin{aligned} & 161059 \\ & 120286 \end{aligned}$ | $+5,9$ $+1,4$ | 540950 424831 | $\begin{aligned} & 576290 \\ & 437615 \end{aligned}$ | $\begin{aligned} & +6,5 \\ & +3,0 \end{aligned}$ |

Table 8.2 - Seasonally adjusted estimates with monthly and quarterly percentage changes.

| Seasonally adjusted estimates | November 2005 $\mathbf{R}$ million | December 2005 R million | \% change between November and <br> December 2005 | July to September 2005 R million | October to December 2005 R million | $\%$ change <br> between <br> July <br> to <br> September 2005 <br> and <br> October <br> to <br> December 2005 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Wholesale trade sales at current prices at constant 2000 prices | $\begin{aligned} & 51437 \\ & 38296 \end{aligned}$ | $\begin{aligned} & 50793 \\ & 37733 \end{aligned}$ | $-1,3$ $-1,5$ | $\begin{aligned} & 150022 \\ & 112539 \end{aligned}$ | $\begin{aligned} & 152161 \\ & 113405 \end{aligned}$ | $+1,4$ $+0,8$ |

## Explanatory notes

## Introduction

## Scope of the survey

## Classification

## Statistical unit

## Survey <br> methodology and design

This survey covers wholesale enterprises according to the following types of dealer:

- 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;
- Wholesale trade in agricultural raw materials and livestock;
- Wholesale trade in food, beverages and tobacco;
- Wholesale trade in textiles, clothing and footwear;
- Wholesale trade in other household goods except precious stones
- 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;
- Wholesale trade in precious stones, jewellery and silverware;
- Wholesale trade in solid, liquid and gaseous fuels and related products;
- Wholesale trade in metals and metal ores;
- Wholesale trade in construction and building materials
- Wholesale trade in construction materials, hardware, plumbing and heating equipment and supplies;
- Wholesale trade in machinery, equipment and supplies;
- Wholesale trade in other intermediate products, waste and scrap; and
- Wholesale trade in other goods
- General wholesale trade and other wholesale trade not elsewhere classified.
Statistics South Africa (Stats SA) conducts a monthly survey of the wholesale trade industry, covering wholesale enterprises (see 4 below). This survey is based on a sample drawn from the 2005 Business Sampling Frame (BSF) that contains businesses registered for value-added tax (VAT) and income tax.

As is usual, information for the latest month has had to be estimated for respondents who have not reported by the cut-off date for production of results. These estimates will be revised in future statistical releases when their reported information becomes available. Published wholesale trade sales estimates exclude VAT. of the Standard Industrial Classification of all Economic Activities The 1993 edition of the Standard Industrial Classification to classify the statistical units in
(SIC), Fifth Edition, Report No. 09-90-02, was used the survey. The SIC is based on the 1990 International Standard Industrial Classification of all Economic Activities (ISIC) with suitable adaptations for local conditions. Statistics in this publication are presented at SIC division (four digit) level. Each enterprise is classified to the industry, which reflects its predominant activity.

5 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.

6 The survey is conducted monthly. Questionnaires are sent to a sample of about 800 enterprises from a population of about 19000 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 non-respondents.

7 The value of sales is obtained monthly from the sample of 800 enterprises (which was drawn in August 2005 at the SIC four-digit level) from a population then of about 19000 wholesale enterprises. The wholesale industry is divided into four size groups. All large enterprises (size group one) are completely enumerated. Simple random sampling is applied to size groups two (medium sized), three and four (small) enterprises. The total value of sales 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 sales.

## Weighting methodology

## Constant prices

## Seasonal adjustment

## Trend cycle

Reliability of estimates

## Revised figures

Related publications

## Rounding of figures

Pre-release policy

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, which are in line with international best practice, are described in more detail on the Stats SA website at http://www.statssa. gov.za/publications/publicationsearch. asp.

The constant prices for the 2005 series are calculated using a combination of the production price indices for consumption in South Africa and total output of South African industry groups from the Production Price Index (PPI) to deflate the current prices. From January 2005 onwards, only the total sales will be deflated and not the type of dealer.

10 Seasonally adjusted estimates are generated each month, using the X-11 Seasonal Adjustment Program developed by the US Bureau of the Census, 1968. 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.

11 The trend is the long-term pattern or movement of a time series. The X-11 Seasonal Adjustment Program is used for smoothing seasonally adjusted estimates to estimates of the underlying trend cycle.

12 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 nonsampling errors. Preliminary figures are indicated in the tables.

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.

4 Revised figures are due to respondents reporting revisions or corrections to their figures and late submission of their data to Stats SA. Preliminary figures are indicated in the relevant tables. Data are edited at the enterprise level.

Users may also wish to refer to the following publications available from Stats SA -

- Bulletin of Statistics issued quarterly.
- SA Statistics issued annually.

Where figures have been rounded-off discrepancies may occur between sums of the component items and the totals.

Stats SA's pre-release policy may be inspected at its Website, www.statssa.gov.za.

| Symbols and <br> abbreviations | $\mathbf{1 8}$ | 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 |  |
|  | $*$ | Revised |  |
|  | - | Figures not available |  |

## Technical note

Neyman optimal allocation

Before drawing in each of the surveys the population of enterprises on the Business Sampling Frame (BSF) was stratified. Strata were formed using a combination of Standard Industrial Classification and the measure of size classes for enterprises. The Neyman optimal allocation formula given below was used to allocate samples to each stratum.

where $\mathrm{N}_{\mathrm{h}}$ and $\mathrm{S}_{\mathrm{h}}$ are the stratum population size and une stratum variance, respectively.
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 surveys did not exceed $6.4 \%$.

## Class limits

| Enterprise size | Size Group | Lower limits | Upper limits |
| :--- | ---: | ---: | ---: |
| Very small | 4 | 0 | 6000000 |
| Small | 3 | 6000001 | 32000000 |
| Medium | 2 | 32000001 | 64000000 |
| Large | 1 | 64000001 |  |

## Glossary

Enterprise The 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 An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the System of National Accounts (SNA) in the same way as in the Standard Industrial Classification of all Economic Activities, Fifth Edition, Report No. 09-90-02 of January 1993 (SIC).

A statistical unit is a unit about which statistics are tabulated, compiled or published. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

## 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

A wholesaler is an enterprise deriving $50 \%$ or more of its turnover from sales of goods to other businesses and institutions.

## 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

An advance 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, Nelspruit
Central Reference Collection, Kimberley
Central Reference Library, Mmabatho
Stats SA also provides a subscription service.

## Electronic services

A large range of data are available via on-line services, diskette and computer printouts. For more details about our electronic data services, contact (012) 310 8600/8390/8351/4892/8496/8095.

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

## Enquiries

| Telephone number: | (012) $3108600 / 8390 / 8351 / 4892 / 8496 / 8095$ (user information services) <br> (012) 3108930 (technical enquiries) <br> (012) 3108161 (orders) <br> (012) $3104883 / 8018 / 4885$ (library) |
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[^0]:    1/ See note 3 on page 9

