

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** P6141.2

# Wholesale trade sales (Preliminary)

June 2023

The results published in the next publication (July 2023) will be based on a new sample. This is an annual procedure which typically affects the level of sales at both current and constant prices. To avoid breaks in time series and to minimise revisions to historical growth rates, historical sales levels will be revised (i.e. they will be linked to the estimates based on the new sample).

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#### Sales at constant 2019 prices: results for June 2023

Table A - Key growth rates in wholesale trade sales at constant 2019 prices

|  | Jan-23 | Feb-23 | Mar-23 | Apr-23 | May-23 | Jun-23 |
|--|--------|--------|--------|--------|--------|--------|
| Year-on-year % change, unadjusted            | -2,9   | -0,2   | -1,9   | 3,7    | -0,3   | -3,3   |
| Month-on-month % change, seasonally adjusted | 1,3    | 2,4    | -1,4   | 3,4    | -4,5   | -3,3   |
| 3-month % change, seasonally adjusted 1/     | -1,8   | -2,3   | 0,1    | 2,1    | 1,3    | -0,9   |

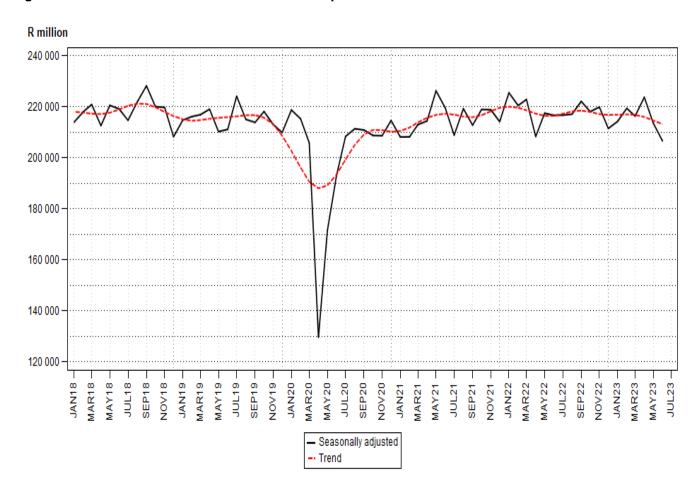
<sup>1/</sup> Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Measured in real terms (constant 2019 prices), wholesale trade sales decreased by 3,3% in June 2023 compared with June 2022.

Seasonally adjusted wholesale trade sales decreased by 3,3% in June 2023 compared with May 2023. This followed month-on-month changes of -4,5% in May 2023 and 3,4% in April 2023.

In the second quarter of 2023, seasonally adjusted wholesale trade sales decreased by 0,9% compared with the first quarter of 2023.

Figure 1 – Wholesale trade sales at constant 2019 prices



#### Sales at current prices: results for June 2023

Table B - Key growth rates in wholesale trade sales at current prices

|  | Jan-23 | Feb-23 | Mar-23 | Apr-23 | May-23 | Jun-23 |
|--|--------|--------|--------|--------|--------|--------|
| Year-on-year % change, unadjusted            | 11,3   | 12,8   | 7,8    | 11,6   | 5,2    | -0,6   |
| Month-on-month % change, seasonally adjusted | 0,1    | 3,6    | -2,5   | 1,5    | -2,2   | -3,3   |
| 3-month % change, seasonally adjusted 1/     | -1,3   | -2,2   | -0,4   | 1,3    | 0,2    | -1,5   |

<sup>1/</sup> 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 decreased by 0,6% in June 2023 compared with June 2022. The main negative contributor was dealers in solid, liquid and gaseous fuels and related products (-11,0% and contributing -3,1 percentage points).

The main positive contributor was dealers in machinery, equipment and supplies (17,4% and contributing 2,2 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                                       | Apr – Jun<br>2022<br>(R million) | Weight<br>(%) | Apr – Jun<br>2023<br>(R million) | % change<br>between<br>Apr – Jun<br>2022<br>and<br>Apr – Jun<br>2023 | Contribution<br>(% points)<br>to the total<br>% change |
|--|----------------------------------|---------------|----------------------------------|--|--|
| Fee or contract basis                                | 26 639                           | 3,3           | 30 440                           | 14,3   | 0,5  |
| Agricultural raw materials and livestock             | 57 670                           | 7,1           | 52 750                           | -8,5   | -0,6   |
| Food, beverages and tobacco                          | 122 899                          | 15,1          | 129 978                          | 5,8  | 0,9  |
| Textiles, clothing and footwear                      | 14 588                           | 1,8           | 18 579                           | 27,4   | 0,5  |
| Other household goods except precious stones         | 80 518                           | 9,9           | 82 954                           | 3,0  | 0,3  |
| Precious stones, jewellery and silverware            | 11 600                           | 1,4           | 14 459                           | 24,6   | 0,3  |
| Solid, liquid and gaseous fuels and related products | 224 244                          | 27,6          | 219 143                          | -2,3   | -0,6   |
| Metals and metal ores                                | 24 638                           | 3,0           | 26 561                           | 7,8  | 0,2  |
| Construction and building materials                  | 36 772                           | 4,5           | 42 751                           | 16,3   | 0,7  |
| Other intermediate products, waste and scrap         | 43 953                           | 5,4           | 36 689                           | -16,5  | -0,9   |
| Machinery, equipment and supplies                    | 98 041                           | 12,1          | 125 348                          | 27,9   | 3,4  |
| Other goods  | 71 331                           | 8,8           | 74 140                           | 3,9  | 0,3  |
| Total  | 812 890                          | 100,0         | 853 792                          | 5,0  | 5,0  |

Wholesale trade sales increased by 5,0% in the second quarter of 2023 compared with the second quarter of 2022. The main positive contributors were dealers in:

- machinery, equipment and supplies (27,9% and contributing 3,4 percentage points);
- food, beverages and tobacco (5,8% and contributing 0,9 of a percentage point); and
- construction and building materials (16,3% and contributing 0,7 of a percentage point) see Table C.

Risenga Maluleke Statistician-General

#### **Tables**

Table 1 – Wholesale trade sales at constant 2019 prices (R million)

| Month | 2017      | 2018      | 2019      | 2020      | 2021      | 2022      | 2023 1/ |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| Jan   | 196 359   | 191 784   | 190 022   | 194 937   | 179 861   | 194 441   | 188 787 |
| Feb   | 204 200   | 206 190   | 204 536   | 207 027   | 197 647   | 209 024   | 208 594 |
| Mar   | 226 932   | 227 707   | 219 017   | 210 519   | 221 554   | 229 679   | 225 274 |
| Apr   | 200 998   | 194 667   | 204 372   | 117 669   | 197 773   | 190 186   | 197 257 |
| May   | 216 833   | 221 461   | 214 021   | 169 936   | 224 174   | 220 463   | 219 829 |
| Jun   | 224 709   | 220 959   | 206 634   | 198 698   | 222 296   | 217 774   | 210 647 |
| Jul   | 215 725   | 214 670   | 228 532   | 213 876   | 212 647   | 215 395   |         |
| Aug   | 222 964   | 227 202   | 218 154   | 208 070   | 220 053   | 220 999   |         |
| Sep   | 217 809   | 228 338   | 218 892   | 219 828   | 221 524   | 235 525   |         |
| Oct   | 234 477   | 241 801   | 239 168   | 229 512   | 236 243   | 233 921   |         |
| Nov   | 248 065   | 245 274   | 233 031   | 224 952   | 241 799   | 240 190   |         |
| Dec   | 214 175   | 199 957   | 205 051   | 208 940   | 209 793   | 205 171   |         |
| Total | 2 623 246 | 2 620 010 | 2 581 430 | 2 403 964 | 2 585 364 | 2 612 768 |         |

<sup>1/</sup> Figures for the latest month are preliminary.

Table 2 – Year-on-year percentage change in wholesale trade sales at constant 2019 prices

| Month | 2018 | 2019 | 2020  | 2021 | 2022 | 2023 | 2023<br>year-to-date |
|-------|------|------|-------|------|------|------|----------------------|
| Jan   | -2,3 | -0,9 | 2,6   | -7,7 | 8,1  | -2,9 | -2,9                 |
| Feb   | 1,0  | -0,8 | 1,2   | -4,5 | 5,8  | -0,2 | -1,5                 |
| Mar   | 0,3  | -3,8 | -3,9  | 5,2  | 3,7  | -1,9 | -1,7                 |
| Apr   | -3,1 | 5,0  | -42,4 | 68,1 | -3,8 | 3,7  | -0,4                 |
| May   | 2,1  | -3,4 | -20,6 | 31,9 | -1,7 | -0,3 | -0,4                 |
| Jun   | -1,7 | -6,5 | -3,8  | 11,9 | -2,0 | -3,3 | -0,9                 |
| Jul   | -0,5 | 6,5  | -6,4  | -0,6 | 1,3  |      |                      |
| Aug   | 1,9  | -4,0 | -4,6  | 5,8  | 0,4  |      |                      |
| Sep   | 4,8  | -4,1 | 0,4   | 0,8  | 6,3  |      |                      |
| Oct   | 3,1  | -1,1 | -4,0  | 2,9  | -1,0 |      |                      |
| Nov   | -1,1 | -5,0 | -3,5  | 7,5  | -0,7 |      |                      |
| Dec   | -6,6 | 2,5  | 1,9   | 0,4  | -2,2 |      |                      |
| Total | -0,1 | -1,5 | -6,9  | 7,5  | 1,1  |      |                      |

Table 3 – Seasonally adjusted wholesale trade sales at constant 2019 prices

| M 41: |         | R m     | illion  |         |       | Month-on-mo | nth % change |      |
|-------|---------|---------|---------|---------|-------|-------------|--------------|------|
| Month | 2020    | 2021    | 2022    | 2023    | 2020  | 2021        | 2022         | 2023 |
| Jan   | 218 774 | 208 169 | 225 517 | 214 251 | 4,2   | -3,0        | 5,3          | 1,3  |
| Feb   | 215 284 | 208 226 | 220 505 | 219 401 | -1,6  | 0,0         | -2,2         | 2,4  |
| Mar   | 205 860 | 212 981 | 222 865 | 216 369 | -4,4  | 2,3         | 1,1          | -1,4 |
| Apr   | 129 699 | 214 446 | 208 324 | 223 736 | -37,0 | 0,7         | -6,5         | 3,4  |
| May   | 171 522 | 226 280 | 217 525 | 213 619 | 32,2  | 5,5         | 4,4          | -4,5 |
| Jun   | 193 312 | 219 572 | 216 667 | 206 648 | 12,7  | -3,0        | -0,4         | -3,3 |
| Jul   | 208 383 | 208 897 | 216 745 |         | 7,8   | -4,9        | 0,0          |      |
| Aug   | 211 399 | 219 273 | 217 112 |         | 1,4   | 5,0         | 0,2          |      |
| Sep   | 210 899 | 212 782 | 222 138 |         | -0,2  | -3,0        | 2,3          |      |
| Oct   | 208 772 | 218 957 | 218 114 |         | -1,0  | 2,9         | -1,8         |      |
| Nov   | 208 693 | 218 869 | 219 889 |         | 0,0   | 0,0         | 0,8          |      |
| Dec   | 214 640 | 214 179 | 211 501 |         | 2,8   | -2,1        | -3,8         |      |

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

| Month | 2017      | 2018      | 2019      | 2020      | 2021      | 2022      | 2023 1/ |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| Jan   | 171 527   | 178 058   | 183 631   | 197 732   | 185 748   | 228 997   | 254 763 |
| Feb   | 180 829   | 190 533   | 197 880   | 210 007   | 207 142   | 249 449   | 281 424 |
| Mar   | 201 421   | 208 035   | 214 863   | 212 675   | 235 239   | 283 576   | 305 772 |
| Apr   | 177 582   | 180 571   | 204 583   | 116 718   | 212 428   | 239 766   | 267 693 |
| May   | 193 708   | 208 465   | 215 628   | 166 140   | 241 537   | 285 346   | 300 120 |
| Jun   | 200 003   | 211 230   | 209 144   | 195 987   | 241 178   | 287 778   | 285 979 |
| Jul   | 191 834   | 207 460   | 229 989   | 214 925   | 233 100   | 291 330   |         |
| Aug   | 198 955   | 220 454   | 219 608   | 211 461   | 243 331   | 295 960   |         |
| Sep   | 197 100   | 222 633   | 220 702   | 223 402   | 247 984   | 317 870   |         |
| Oct   | 214 093   | 241 135   | 242 269   | 234 583   | 266 917   | 319 131   |         |
| Nov   | 228 926   | 245 534   | 235 480   | 229 852   | 278 620   | 326 103   |         |
| Dec   | 199 775   | 196 828   | 207 653   | 213 581   | 245 993   | 280 591   |         |
| Total | 2 355 753 | 2 510 936 | 2 581 430 | 2 427 063 | 2 839 217 | 3 405 897 |         |

<sup>1/</sup> Figures for the latest month are preliminary.

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

| Month | 2018 | 2019 | 2020  | 2021 | 2022 | 2023 | 2023<br>year-to-date |
|-------|------|------|-------|------|------|------|----------------------|
| Jan   | 3,8  | 3,1  | 7,7   | -6,1 | 23,3 | 11,3 | 11,3                 |
| Feb   | 5,4  | 3,9  | 6,1   | -1,4 | 20,4 | 12,8 | 12,1                 |
| Mar   | 3,3  | 3,3  | -1,0  | 10,6 | 20,5 | 7,8  | 10,5                 |
| Apr   | 1,7  | 13,3 | -42,9 | 82,0 | 12,9 | 11,6 | 10,8                 |
| May   | 7,6  | 3,4  | -23,0 | 45,4 | 18,1 | 5,2  | 9,5                  |
| Jun   | 5,6  | -1,0 | -6,3  | 23,1 | 19,3 | -0,6 | 7,7                  |
| Jul   | 8,1  | 10,9 | -6,5  | 8,5  | 25,0 |      |                      |
| Aug   | 10,8 | -0,4 | -3,7  | 15,1 | 21,6 |      |                      |
| Sep   | 13,0 | -0,9 | 1,2   | 11,0 | 28,2 |      |                      |
| Oct   | 12,6 | 0,5  | -3,2  | 13,8 | 19,6 |      |                      |
| Nov   | 7,3  | -4,1 | -2,4  | 21,2 | 17,0 |      |                      |
| Dec   | -1,5 | 5,5  | 2,9   | 15,2 | 14,1 |      |                      |
| Total | 6,6  | 2,8  | -6,0  | 17,0 | 20,0 |      |                      |

Table 6 – Seasonally adjusted wholesale trade sales at current prices

| M 41- |         | R mi    | llion   |         |       | Month-on-mo | nth % change |      |
|-------|---------|---------|---------|---------|-------|-------------|--------------|------|
| Month | 2020    | 2021    | 2022    | 2023    | 2020  | 2021        | 2022         | 2023 |
| Jan   | 223 425 | 215 430 | 262 592 | 289 771 | 4,9   | -1,9        | 4,0          | 0,1  |
| Feb   | 222 960 | 221 281 | 266 637 | 300 144 | -0,2  | 2,7         | 1,5          | 3,6  |
| Mar   | 206 030 | 226 594 | 271 874 | 292 755 | -7,6  | 2,4         | 2,0          | -2,5 |
| Apr   | 128 305 | 228 596 | 262 059 | 297 174 | -37,7 | 0,9         | -3,6         | 1,5  |
| May   | 167 990 | 240 609 | 279 676 | 290 771 | 30,9  | 5,3         | 6,7          | -2,2 |
| Jun   | 191 632 | 238 262 | 284 311 | 281 199 | 14,1  | -1,0        | 1,7          | -3,3 |
| Jul   | 211 046 | 230 072 | 292 719 |         | 10,1  | -3,4        | 3,0          |      |
| Aug   | 211 181 | 240 475 | 290 178 |         | 0,1   | 4,5         | -0,9         |      |
| Sep   | 213 697 | 236 803 | 302 717 |         | 1,2   | -1,5        | 4,3          |      |
| Oct   | 214 308 | 248 511 | 297 103 |         | 0,3   | 4,9         | -1,9         |      |
| Nov   | 211 524 | 253 305 | 299 662 |         | -1,3  | 1,9         | 0,9          |      |
| Dec   | 219 522 | 252 378 | 289 340 |         | 3,8   | -0,4        | -3,4         |      |

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

| Type of dealer                                       | Jan-23  | Feb-23  | Mar-23  | Apr-23  | May-23  | Jun-23 1/ |
|--|---------|---------|---------|---------|---------|-----------|
| Fee or contract basis                                | 5 841   | 7 900   | 7 973   | 8 754   | 10 930  | 10 756    |
| Agricultural raw materials and livestock             | 17 602  | 21 628  | 21 733  | 15 075  | 20 083  | 17 592    |
| Food, beverages and tobacco                          | 38 427  | 41 359  | 46 265  | 40 480  | 44 634  | 44 864    |
| Textiles, clothing and footwear                      | 4 091   | 6 279   | 6 516   | 7 476   | 5 297   | 5 806     |
| Other household goods except precious stones         | 26 654  | 28 378  | 29 364  | 26 987  | 28 030  | 27 937    |
| Precious stones, jewellery and silverware            | 2 463   | 4 572   | 7 371   | 5 209   | 5 873   | 3 377     |
| Solid, liquid and gaseous fuels and related products | 71 904  | 68 262  | 74 715  | 70 917  | 76 697  | 71 529    |
| Metals and metal ores                                | 6 814   | 8 438   | 9 644   | 8 157   | 9 513   | 8 891     |
| Construction and building materials                  | 11 057  | 13 000  | 15 351  | 12 423  | 15 095  | 15 233    |
| Other intermediate products, waste and scrap         | 14 937  | 15 042  | 15 561  | 11 014  | 13 205  | 12 470    |
| Machinery, equipment and supplies                    | 35 357  | 42 793  | 46 999  | 38 706  | 43 018  | 43 624    |
| Other goods  | 19 616  | 23 773  | 24 279  | 22 495  | 27 744  | 23 901    |
| Total  | 254 763 | 281 424 | 305 772 | 267 693 | 300 120 | 285 979   |

<sup>1/</sup> Figures are preliminary.

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

| Type of dealer                                       | Jan-23 | Feb-23 | Mar-23 | Apr-23 | May-23 | Jun-23 |
|--|--------|--------|--------|--------|--------|--------|
| Fee or contract basis                                | 20,7   | 19,3   | 23,4   | 14,8   | 17,4   | 10,9   |
| Agricultural raw materials and livestock             | 41,3   | 37,0   | 25,4   | 4,8    | -11,1  | -15,0  |
| Food, beverages and tobacco                          | 7,6    | 11,2   | 2,6    | 4,1    | 9,5    | 3,7    |
| Textiles, clothing and footwear                      | 5,1    | 22,6   | 15,3   | 30,4   | 9,2    | 45,0   |
| Other household goods except precious stones         | 5,8    | 15,5   | -1,1   | 0,4    | 2,7    | 6,0    |
| Precious stones, jewellery and silverware            | -61,6  | -11,4  | -15,5  | 44,1   | 29,0   | -1,6   |
| Solid, liquid and gaseous fuels and related products | 18,4   | 6,9    | -1,2   | 13,6   | -5,8   | -11,0  |
| Metals and metal ores                                | 7,7    | 14,4   | 1,5    | 3,5    | 4,4    | 16,3   |
| Construction and building materials                  | 25,5   | -2,3   | 16,3   | 12,2   | 17,4   | 18,6   |
| Other intermediate products, waste and scrap         | -9,1   | -8,6   | -4,5   | -19,7  | -10,8  | -19,2  |
| Machinery, equipment and supplies                    | 11,9   | 21,1   | 36,5   | 36,4   | 32,3   | 17,4   |
| Other goods  | 18,1   | 27,4   | 12,6   | 17,1   | 9,9    | -11,1  |
| Total  | 11,3   | 12,8   | 7,8    | 11,6   | 5,2    | -0,6   |

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

| Type of dealer                                       | Jan-23 | Feb-23 | Mar-23 | Apr-23 | May-23 | Jun-23 |
|--|--------|--------|--------|--------|--------|--------|
| Fee or contract basis                                | 0,4    | 0,5    | 0,5    | 0,5    | 0,6    | 0,4    |
| Agricultural raw materials and livestock             | 2,2    | 2,3    | 1,5    | 0,3    | -0,9   | -1,1   |
| Food, beverages and tobacco                          | 1,2    | 1,7    | 0,4    | 0,7    | 1,4    | 0,6    |
| Textiles, clothing and footwear                      | 0,1    | 0,5    | 0,3    | 0,7    | 0,2    | 0,6    |
| Other household goods except precious stones         | 0,6    | 1,5    | -0,1   | 0,0    | 0,3    | 0,6    |
| Precious stones, jewellery and silverware            | -1,7   | -0,2   | -0,5   | 0,7    | 0,5    | 0,0    |
| Solid, liquid and gaseous fuels and related products | 4,9    | 1,8    | -0,3   | 3,5    | -1,7   | -3,1   |
| Metals and metal ores                                | 0,2    | 0,4    | 0,1    | 0,1    | 0,1    | 0,4    |
| Construction and building materials                  | 1,0    | -0,1   | 0,8    | 0,6    | 0,8    | 0,8    |
| Other intermediate products, waste and scrap         | -0,7   | -0,6   | -0,3   | -1,1   | -0,6   | -1,0   |
| Machinery, equipment and supplies                    | 1,6    | 3,0    | 4,4    | 4,3    | 3,7    | 2,2    |
| Other goods  | 1,3    | 2,1    | 1,0    | 1,4    | 0,9    | -1,0   |
| Total  | 11,3   | 12,8   | 7,8    | 11,6   | 5,2    | -0,6   |

#### **Survey information**

#### Introduction

- 1 Statistics South Africa (Stats SA) conducts a monthly survey covering enterprises in the wholesale trade industry (see point 4 below). This survey is based on a sample drawn from Stats SA's 2022 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

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:
  - 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.
     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;
  - 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 materials, hardware, plumbing and heating equipment and supplies;
  - wholesale trade in 'other' intermediate products, waste and scrap;
  - · wholesale trade in machinery, equipment and supplies; and
  - wholesale trade in 'other' goods. This group covers general wholesale trade and 'other' wholesale trade not classified elsewhere.

#### Classification

The 1993 edition of the Standard Industrial Classification of All Economic Activities (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 International Standard Industrial Classification of All Economic Activities (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 group four-digit level.

#### Collection rate

The preliminary collection rate for the survey on wholesale trade sales for June 2023 was 75,1%. The improved collection rate for May 2023 was 82,1%.

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#### Statistical unit

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

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

#### Historical data

Historical wholesale trade sales data are available on the Stats SA website. To access the data electronically, use the following link: Click to download historical data.

#### Past publications

Past wholesale trade sales releases are available on the Stats SA website. To access the releases electronically, use the following link:

<u>Click to download past releases.</u>

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#### **Technical notes**

## Survey methodology and design

- 1 The survey is conducted monthly. Questionnaires are sent to a sample of 1 645 enterprises from a population of 19 390 enterprises. Completed questionnaires are required to be returned to Stats SA within ten days after the end of the reference month. Email, fax and telephone reminders are used to follow up on non-respondents.
- A stratified random sample was drawn at the SIC four-digit level in April 2022 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 three 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 5.8%.

#### **Class limits**

3 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 limit | Upper limit |  |
|-----------------|------------|-------------|-------------|--|
| Very small      | 4          | 3 266 056   | 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

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 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 United States Census Bureau. 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 February 2022.

#### **Trend cycle**

## 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. From 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.

From January 2012, wholesale trade sales at constant prices are compiled as follows:

- Deflate sales of dealers in agricultural raw materials and livestock using the PPI for agriculture.
- (2) Deflate sales of dealers in food, beverages and tobacco using the final manufacturing PPI for food products, beverages and tobacco.
- (3) Deflate sales of dealers in textiles, clothing and footwear using the final manufacturing PPI for textiles, clothing and footwear.
- (4) Deflate sales of dealers in solid, liquid and gaseous fuels and related products using the final manufacturing PPI for coal and petroleum products.
- (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.
- (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; electrical 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.

Total wholesale trade sales at constant prices is obtained by aggregating (1) to (6).

#### 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.

#### Relative standard error

One measure is the standard error (SE), which indicates the extent to which an estimate might have varied by chance because only a sample of enterprises was used. The relative standard error (RSE) provides an immediate indication of the percentage errors likely to have occurred due to sampling, and thus avoids the need to refer to the size of the estimate.

### Estimates of total wholesale trade sales within 95% confidence limits – June 2023

|                       | Lower limit<br>(R million) | Sales<br>(R million) | Upper limit<br>(R million) | Relative<br>standard<br>error (RSE)<br>% |
|-----------------------|----------------------------|----------------------|----------------------------|--|
| Wholesale trade sales | 276 160                    | 285 979              | 295 797                    | 1,7                                      |

## Month-on-month percentage change

11 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

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)

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.

#### **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

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* (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

#### 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.

#### **Technical enquiries**

Nthabiseng Sebeyi

Telephone number: (012) 310 8930 Email: nthabisengs@statssa.gov.za

**Kurt Roach** 

Telephone number: (012) 310 8211 Email: kurtr@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 11 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.

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#### 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:

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Bloemfontein Public Library
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Eastern Cape Library Services, Qonce
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 details about our electronic data 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: info@statssa.gov.za

Orders/subscription services Telephone number: (012) 310 8619

Email: millies@statssa.gov.za

Postal address Private Bag X44, Pretoria, 0001

Produced by Stats SA