



Figure 1: Percentage of specimens positive on respiratory viral multiplex and SARS-CoV-2 PCR

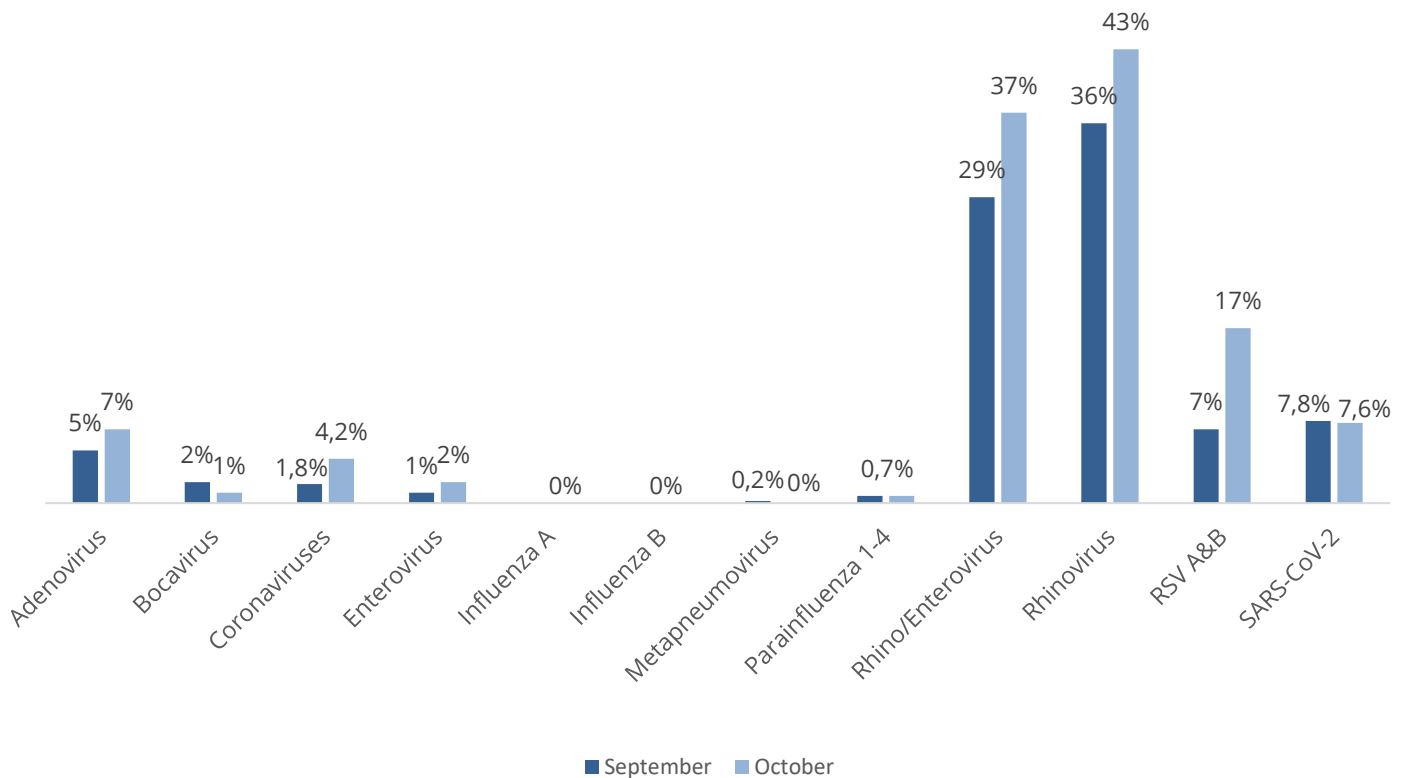


Figure 1: Respiratory viruses – countrywide data October findings

- The most frequently detected viruses during October were as follow: Rhinovirus (43%), Rhino/Enterovirus (37%), RSV (17%) SARS-CoV-2 (7,6%), Adenovirus (7%) and Human coronaviruses (HKU1, 229E, NL63 and OC43) 4,2%.
- The rate of detection of RSV increased from 7% to 17%. The majority of positive RSV cases were detected in the Western Cape and Gauteng.
- Influenza A and B were not detected in any of the specimens tested during both September and October.
- The novel Coronavirus, SARS-CoV-2, was detected in 7,6% of specimens tested nationally.
- Please note: the graph includes the combined data from different respiratory multiplex assays offered by Ampath laboratories as well as the SARS-CoV-2 PCR.
- SARS-CoV-2 is not included in the multiplex molecular panels currently in use at Ampath.
- Refer to the Ampath website for the current and previous respiratory viral statistics both countrywide and per region: <https://www.ampath.co.za/respiratory-tract-infection>.



Figure 2: Percentage of specimens positive for SARS-CoV-2 by province

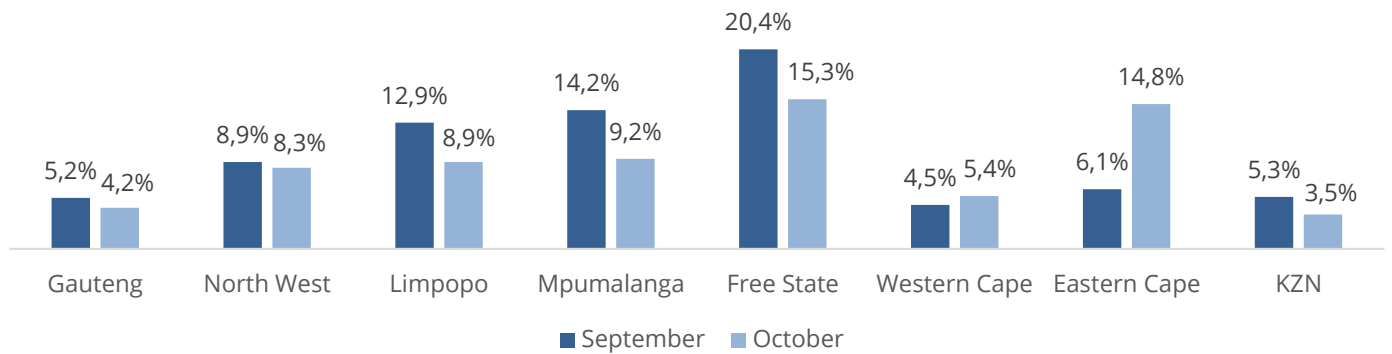


Figure 3: Distribution of total positive SARS-CoV-2 tests per province

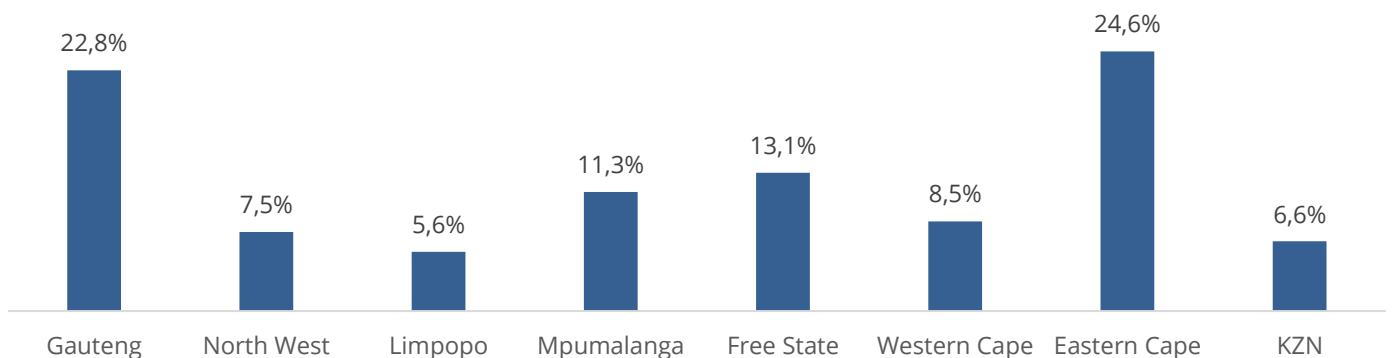


Figure 4: Eastern Cape weekly SARS-CoV-2 positivity rate

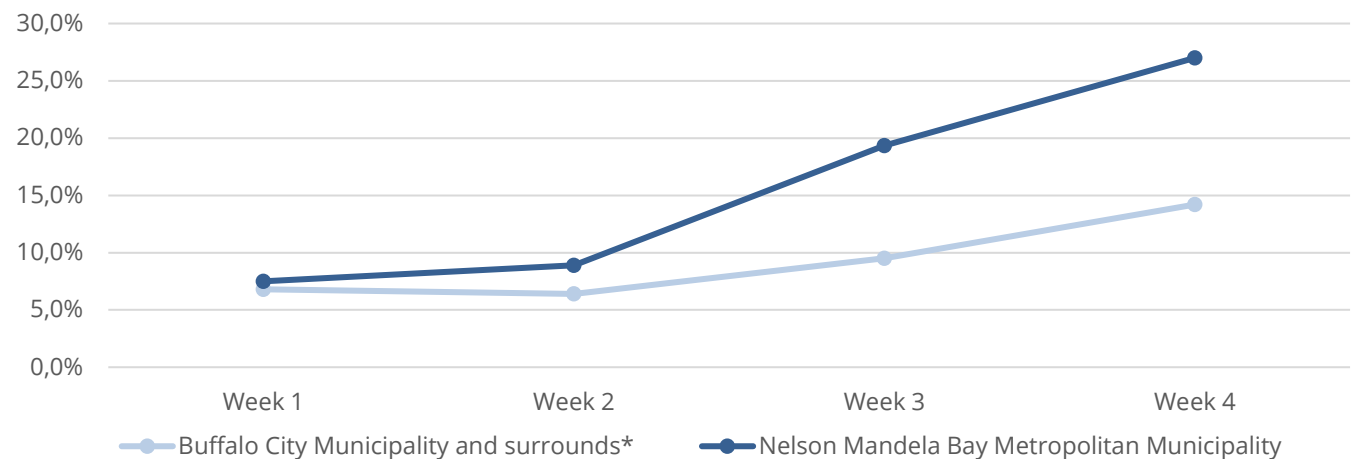




Figure 2: Percentage of total positive SARS-CoV-2 tests per province

- The percentage of specimens that tested positive for SARS-CoV-2 continue to decrease across all provinces except for the Western Cape and Eastern Cape.
- The percentage of specimens testing positive for SARS-CoV-2 increased from 4,5% to 5,4% in the Western Cape. A more significant increase from 6,1% to 14,8% was noted in the Eastern Cape.
- The percentage of specimens testing positive from the Free State remain high at 15,3%.
- This percentage was calculated by dividing the number of positive specimens per province by the total of specimens submitted per province.

Figure 3: Distribution of specimens positive for SARS-CoV-2 per province

- The majority of the positive SARS-CoV-2 specimens were from the Eastern Cape province (24,6%) followed by Gauteng (22,8%), Free State (13,1%) and Mpumalanga (11,3%).
- This percentage was calculated by dividing the number of positive specimens per province by the total of positive specimens countrywide.

Figure 4: Eastern Cape weekly SARS-CoV-2 positivity rate

- The majority of positive SARS-COV-2 specimens were collected in the Nelson Mandela Bay Metropolitan municipality. The percentage positive SARS-CoV-2 specimens from this area showed a marked increase during the 3rd week of October. Increasing from 8,9% positive specimens in week 2 to 19,4% in week 3 and 27% positive in week 4.
- The Buffalo City municipality and surrounds (Makhanda, Komani and Mthatha) also had an increase in the percentage of specimens testing positive for SARS-CoV-2 during week 4 of October. Increasing from 9,4% positive specimens in week 3 to 14,2% in week 4.