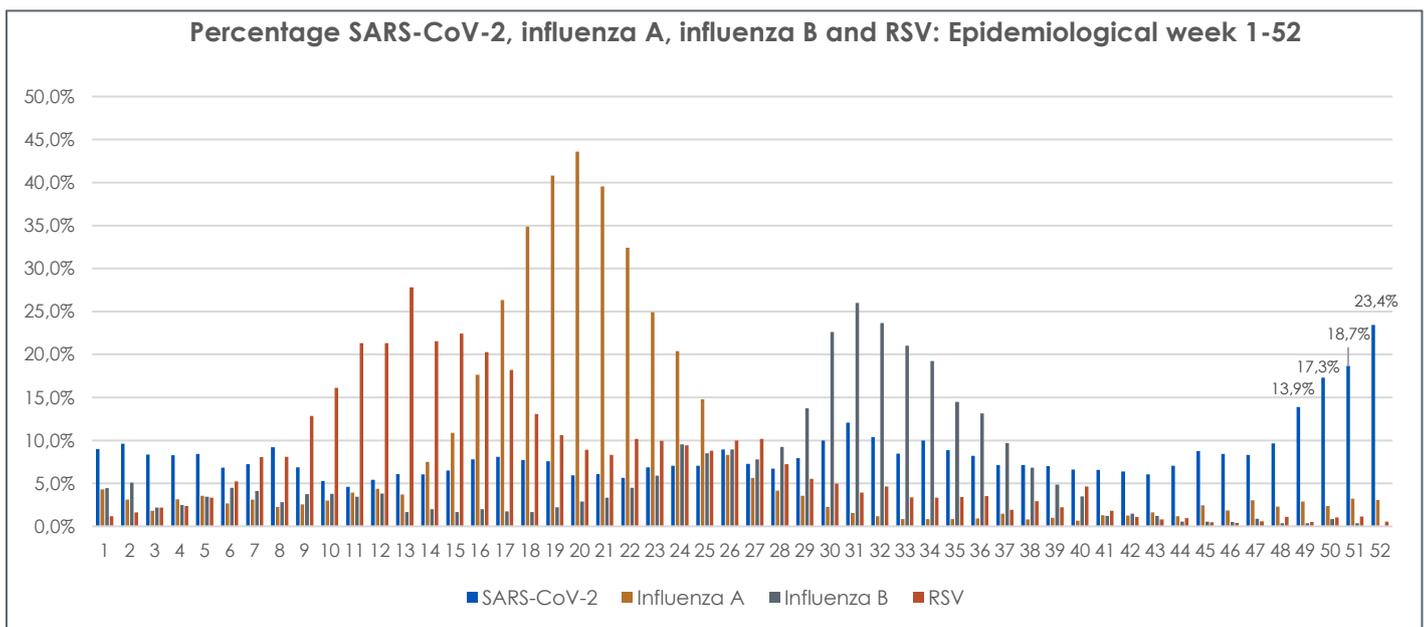
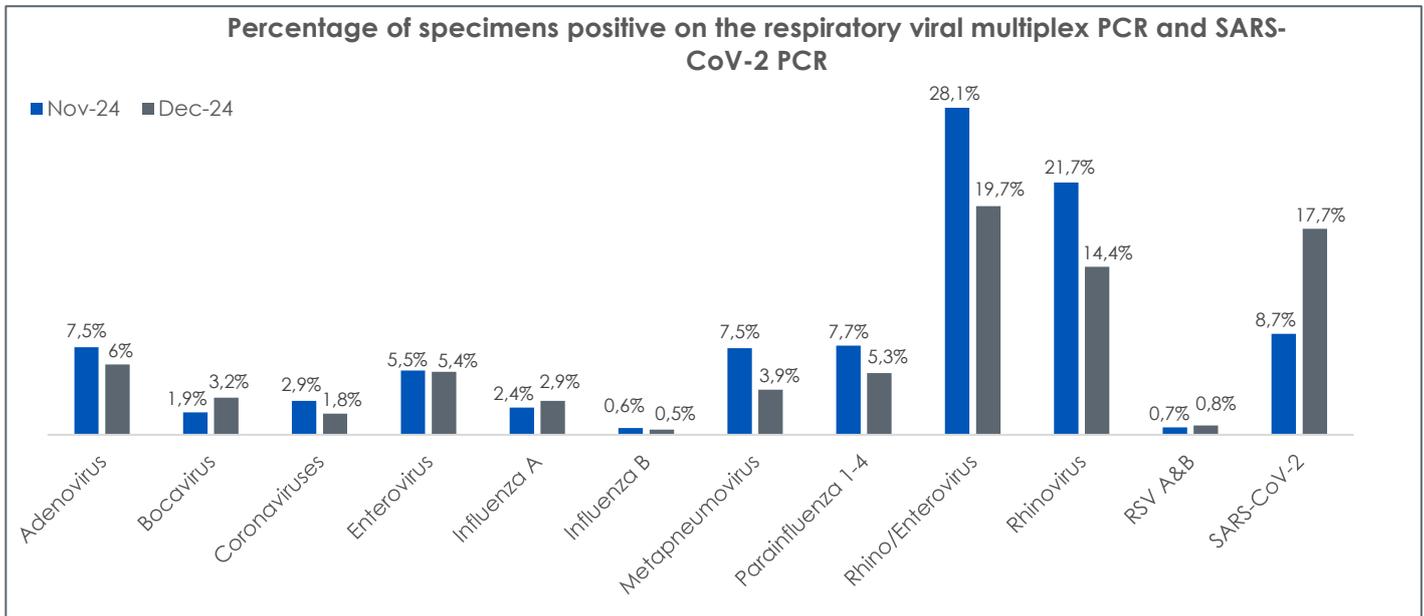


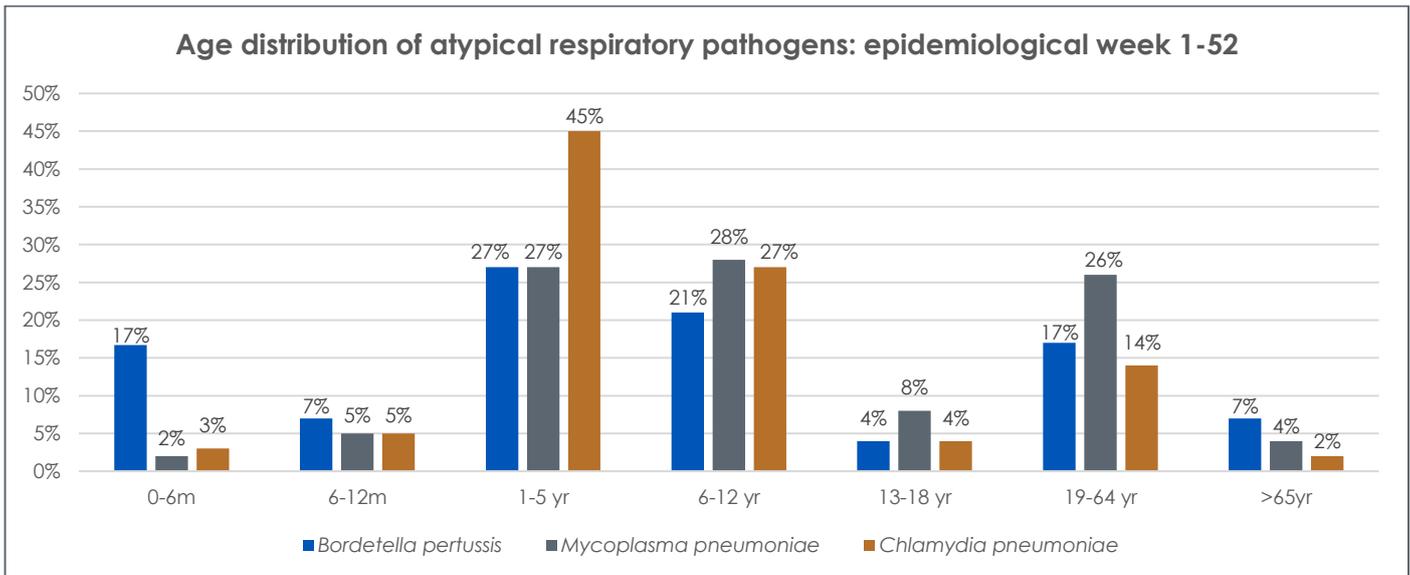
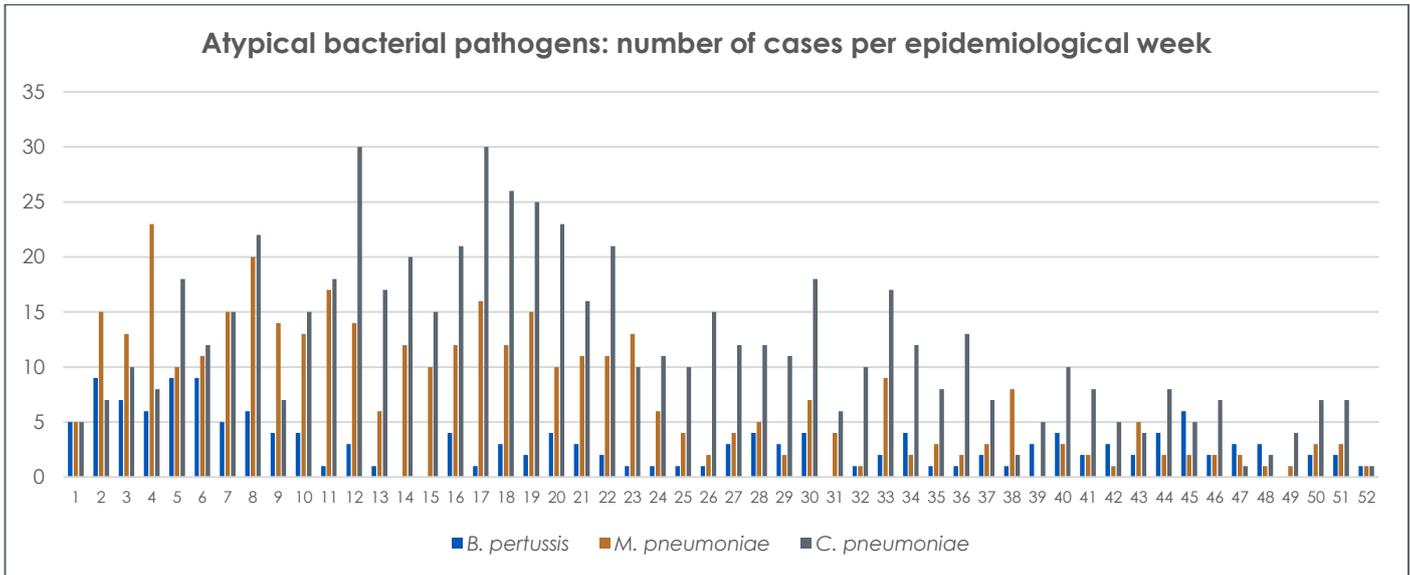
### Respiratory Virus Multiplex PCR and SARS-CoV-2 PCR: All age groups



#### Comments

- The most frequently detected viruses across all age groups during December were: rhino/enterovirus (19.7%) and SARS-CoV-2 (17.7%).
- Epidemiological week 1-52:
  - SARS-CoV-2: during the last 4 weeks the number of specimens that tested positive has increased from 7% in week 44 to 23.4% in week 52. The highest positivity rates were observed in: Eastern Cape (23.6%), Kwa-Zulu Natal (22.7%), Western Cape (19.6%), Mpumalanga (15.1%) and Gauteng (13.6%).
  - Influenza A and B: the number of specimens testing positive for influenza A and B remained stable with 3.1% of specimens testing positive for influenza A and no specimens testing positive for influenza B during week 52.
  - The number of specimens testing positive for RSV remain low with 0.6% of specimens testing positive in week 52.

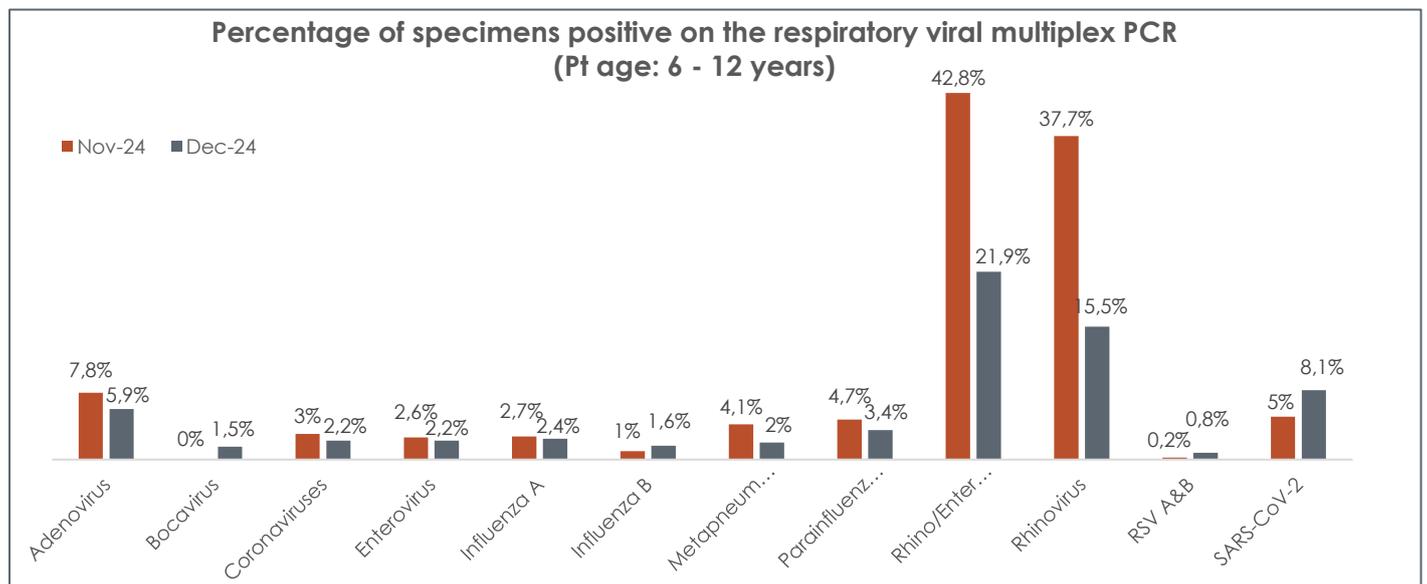
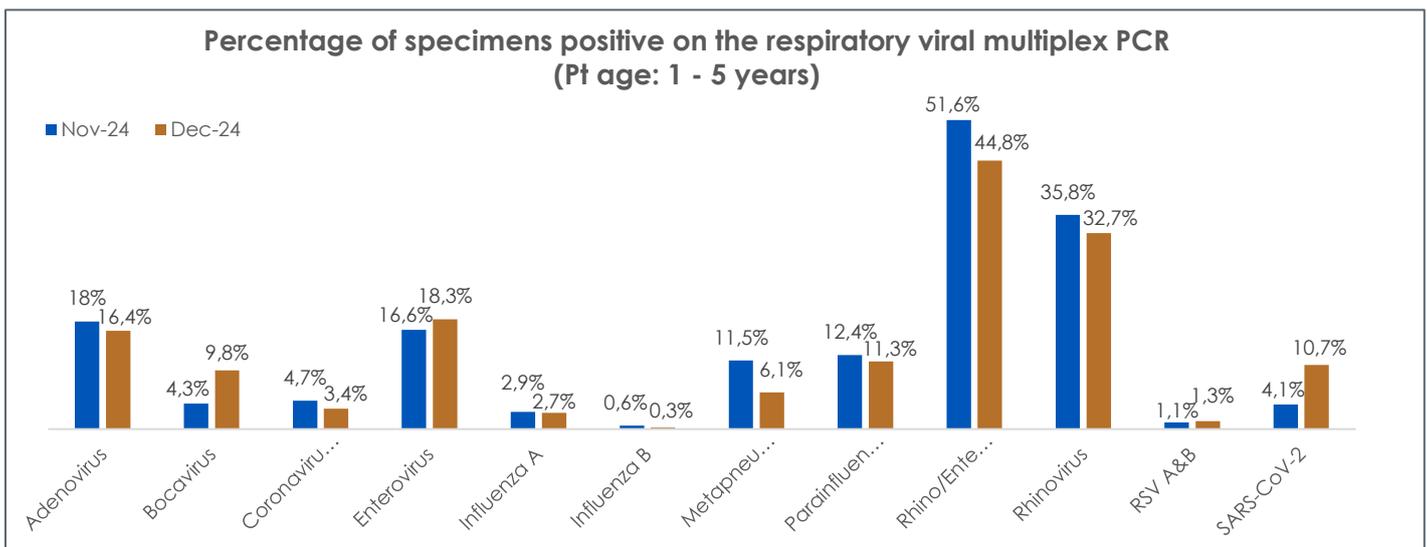
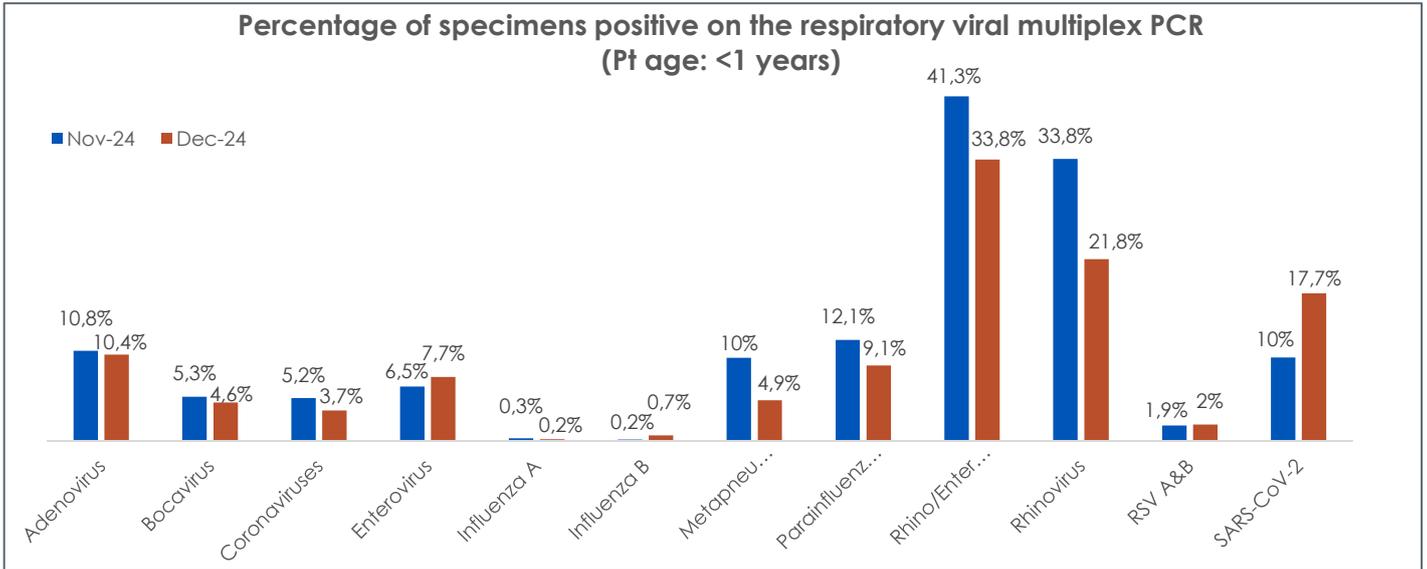
### Atypical bacterial pathogens: *Bordetella pertussis*, *Mycoplasma pneumoniae*, *Chlamydia pneumoniae* and *Legionella pneumophila*



### Comments

- *Bordetella pertussis*, *Mycoplasma pneumoniae* and *Chlamydia pneumoniae* continue to circulate at low levels. No cases of *Legionella pneumophila* pneumonia was detected by PCR testing during December.
- In paediatric patients most *B. pertussis* cases were detected in the 1-5 year age group (27%). Twenty four percent of cases were detected in patients >18 years and 17% in patients <6months old.
- For both *Mycoplasma pneumoniae* and *Chlamydia pneumoniae* the majority of cases were detected in patients between 1-12 years of age.

### Paediatric Respiratory Viral Multiplex PCR data



### Comments

Significant findings per age group during December:

- Less than 1 year of age: the most common viruses detected in this age group during December were rhino/enterovirus (33.8%), rhinovirus (21.8%) and SARS-CoV-2 (17.7%).
- 1-5 years of age: the most common viruses detected in this age group during December were rhino/enterovirus (44.8%), rhinovirus (32.7%), enterovirus (18.3%) and adenovirus (16.4%). A significant increase in SARS-CoV-2 positivity rate from 4.1% in November to 10.7% in December was noted.
- 6-12 years of age: the most common viruses detected in this age group during December were rhino/enterovirus (21.9%), rhinovirus (15.5%) and SARS-CoV-2 (8.1%).