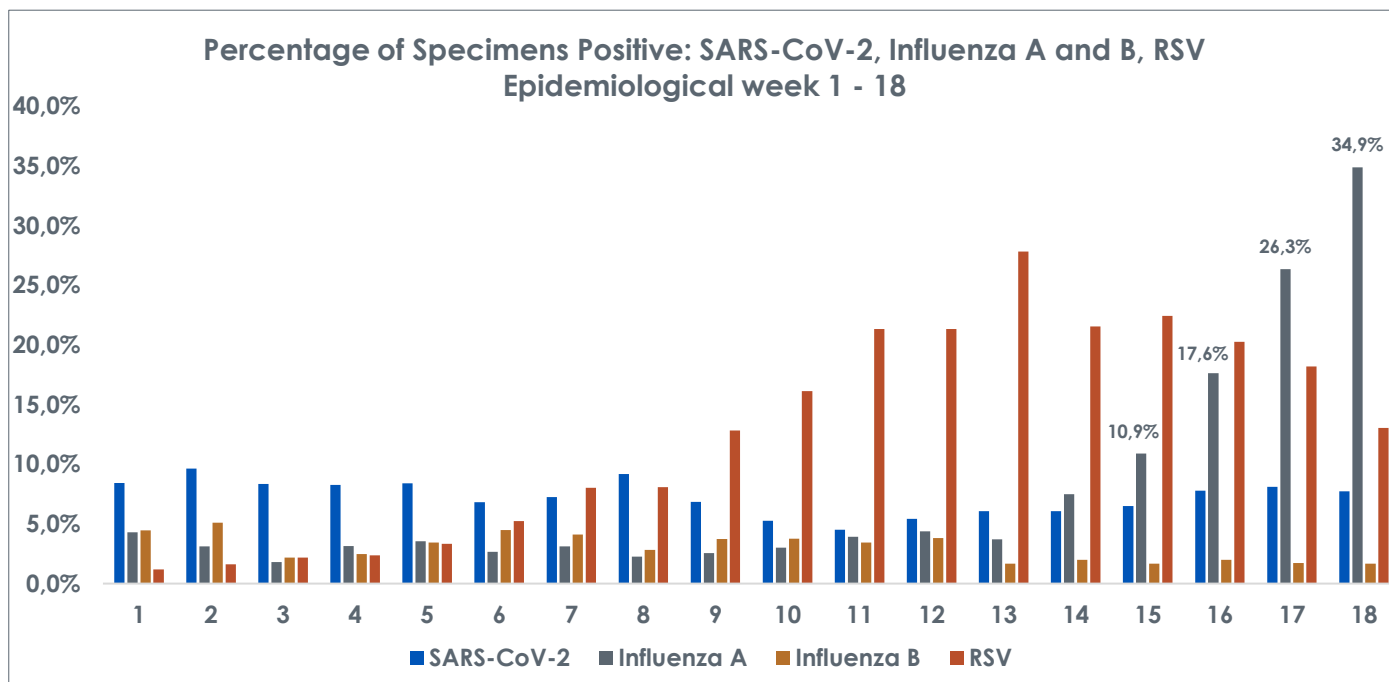
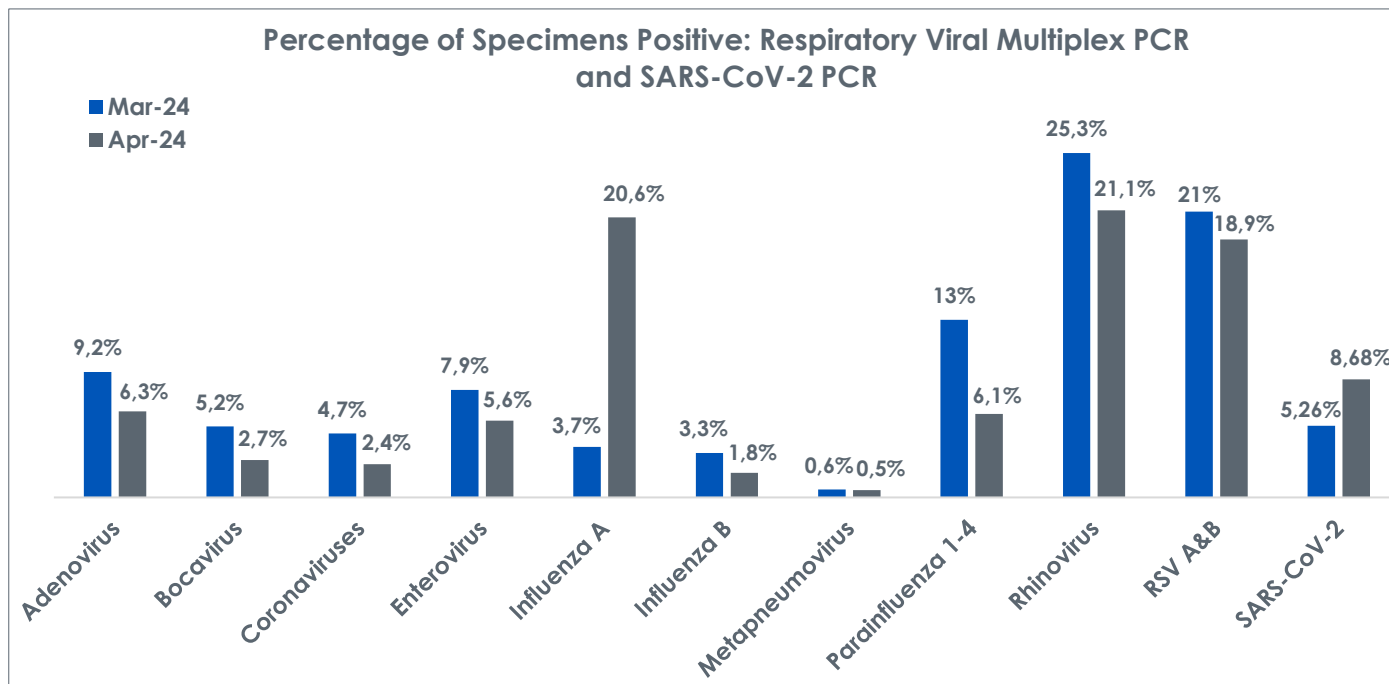


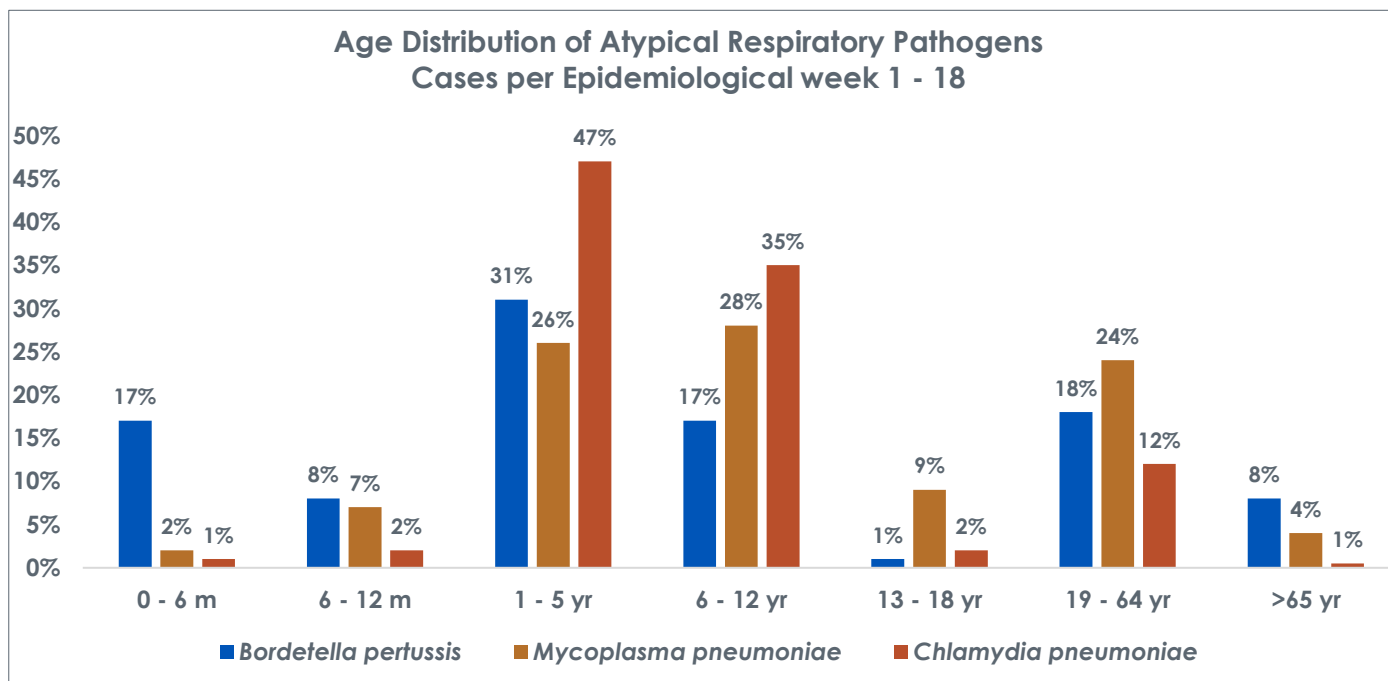
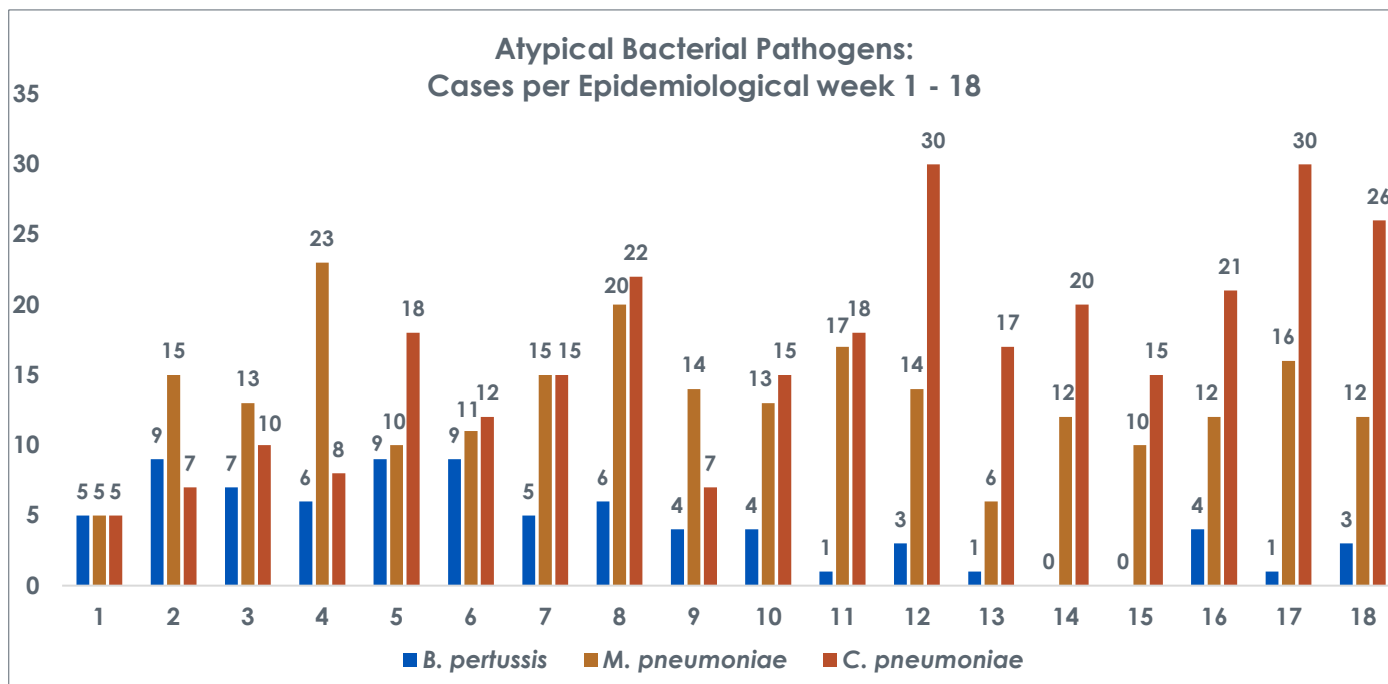
### Respiratory Virus Multiplex PCR and SARS-CoV-2 PCR data: All age groups



#### Comments

- The most frequently detected viruses across all age groups during April 2024 were: rhinovirus (21.1%), influenza A (20.6%) and RSV (18.9%).
- Epidemiological week 1 - 18:
  - SARS-CoV-2: during the last 5 weeks the number of specimens that tested positive has remained stable.
  - Influenza: the number of specimens testing positive for influenza A significantly increased from week 15 onwards, to 34.9% of all specimens testing positive for influenza A during week 18. The majority of specimens where sub-typing was available were identified as influenza A H1N1 2009.
  - The number of specimens testing positive for RSV decreased to 13.1% during week 18.

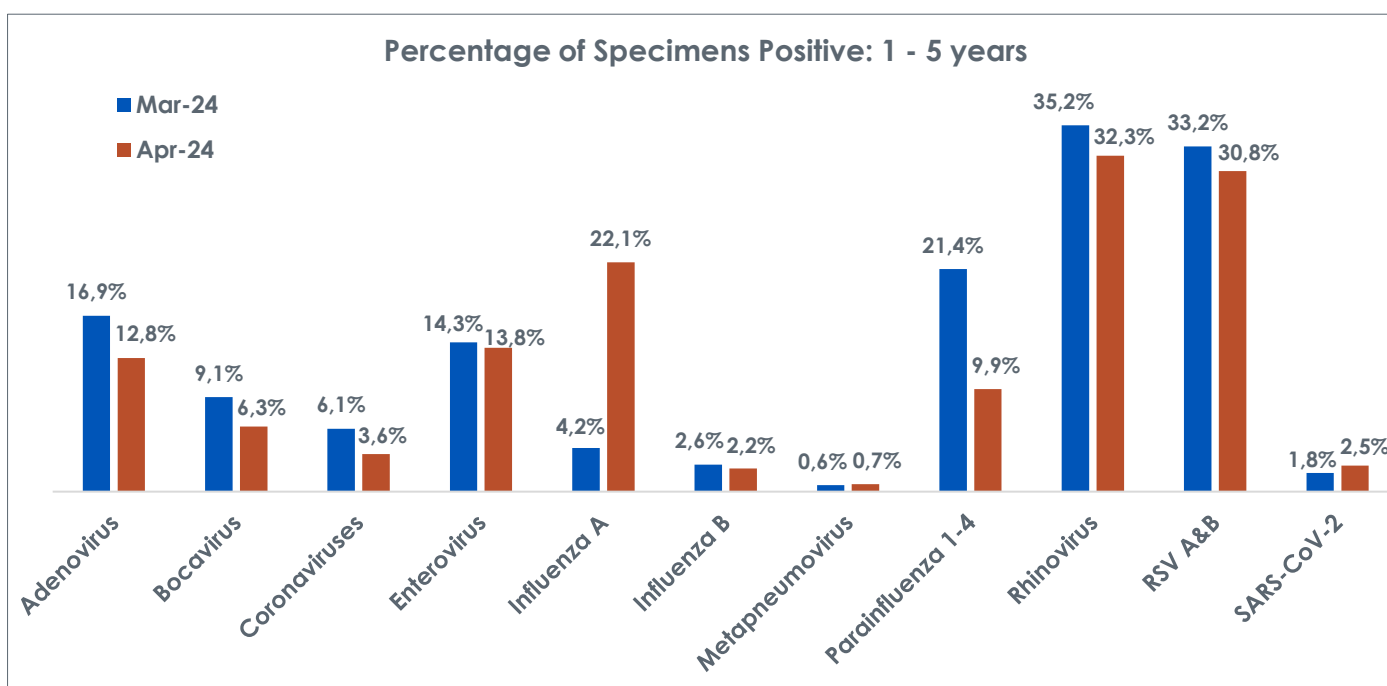
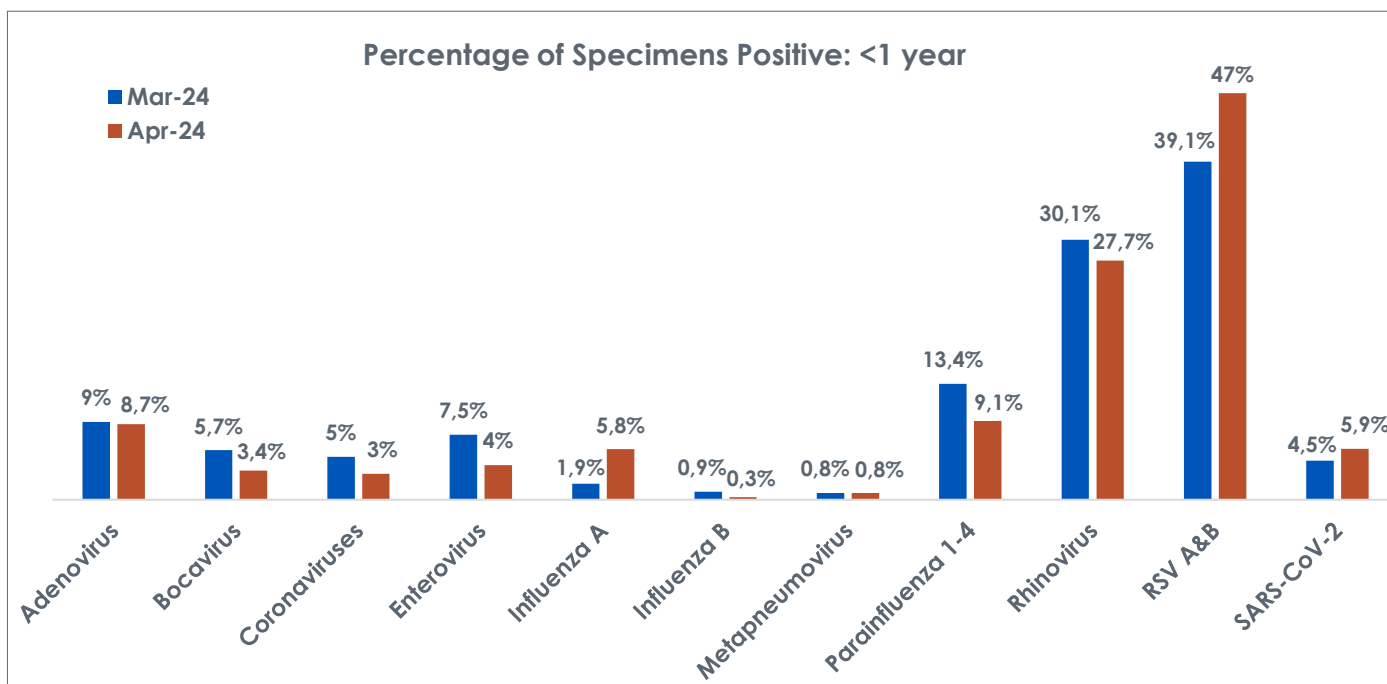
### Atypical Bacterial Pathogens: *Bordetella pertussis*, *Mycoplasma pneumoniae*, *Chlamydia pneumoniae* and *Legionella pneumophila*

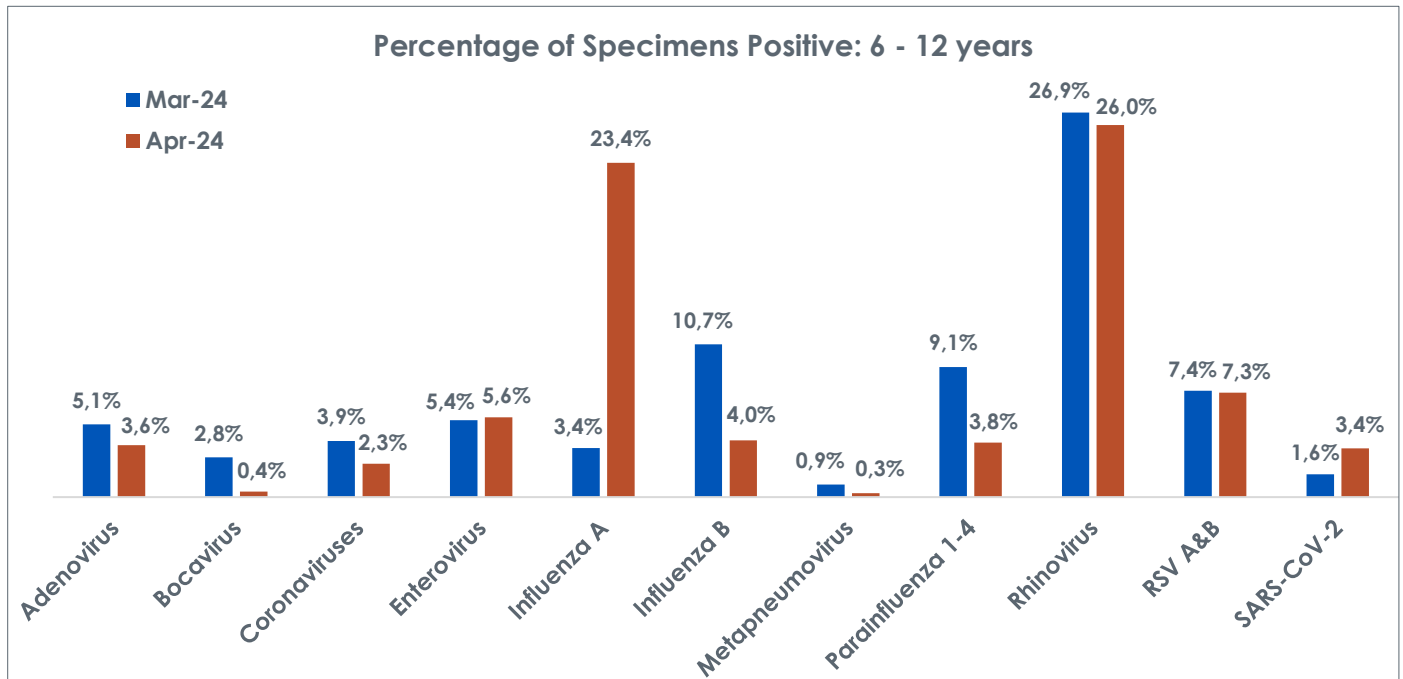


#### Comments

- *Bordetella pertussis*, *Mycoplasma pneumoniae* and *Chlamydia pneumoniae* continue to circulate at low levels. Three cases of *Legionella pneumophila* pneumonia was detected by PCR testing during April 2024.
- In paediatric patients most *B. pertussis* cases were detected in the 1 - 5 year (31%) age group. Twenty six percent of cases were detected in patients >18 years.
- For both *Mycoplasma pneumoniae* and *Chlamydia pneumoniae* the majority of cases were detected in the 1 - 12 year age group.

### Paediatric Respiratory Viral Multiplex PCR data: 0 – 12 years





### Comments

- The most frequently detected viruses, per age group, during April 2024 were:
  - <1 year: RSV is the predominant virus currently detected in this age group, with a positivity rate of 47%.
  - 1 - 5 years: the RSV positivity rate in this age group remains high at 30.8%. A significant increase in influenza A cases was noted during the month of April, with the positivity rate increasing to 22.1% from 4.2% during March.
  - 6 - 12 years: the influenza A positivity rate significantly increased to 23.4% in this age group during April.