

Influenza and COVID-19 surveillance graphs

UKHSA publishes a national influenza and COVID-19 surveillance report which summarises the information from the surveillance systems which are used to monitor influenza, COVID-19, and other seasonal respiratory viruses in England.

Additional figures based on these surveillance systems are included in this slide set.

The figures presented in this slide set are based on data from week 47 (between 25 November 2024 and 1 December 2024).



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Laboratory-confirmed cases (England)

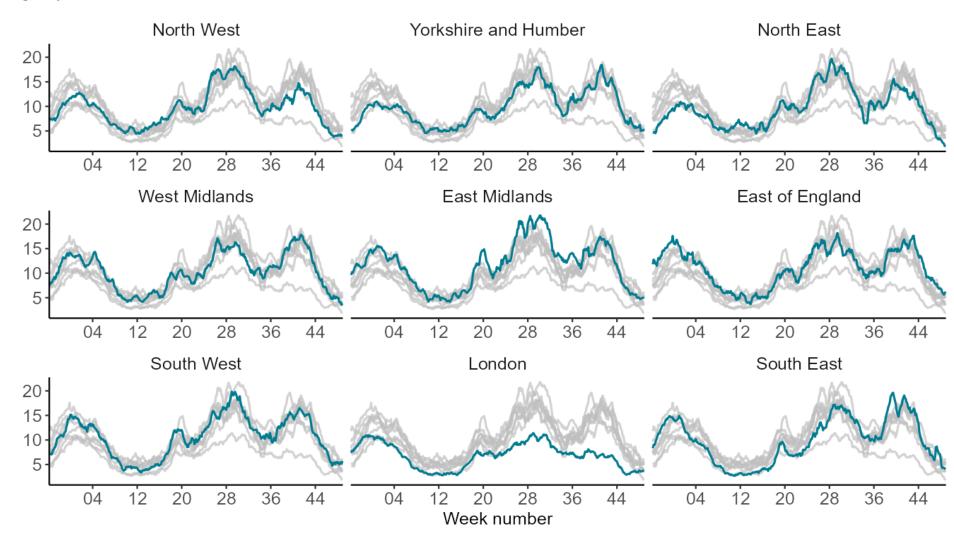


Data Information

- From week 32 report onwards, case rates have been updated to use the latest ONS population estimates for mid-2020. Previously case rates were calculated using the mid-2019 population estimates
- From 11 January 2022 the requirement for <u>confirmatory PCR testing in individuals who test positive using a lateral flow device was</u> <u>temporarily removed</u>.
- Rates by ethnicity and IMD quantile will continue to be presented using the mid-2019 estimates.
- From 31 January 2022, UKHSA moved all COVID-19 case reporting in England to use a new episode-based definition which includes
 possible reinfections. Each infection episode is counted separately if there are at least 91 days between positive test results (PCR or
 LFD). Each infection episode begins with the earliest positive specimen date. Further information can be found on the <u>UK COVID-19</u>
 <u>dashboard</u>.
- Since 1 April 2022, free universal symptomatic and asymptomatic testing for the general public in England is no longer available, as outlined in the plan for <u>living with COVID-19</u>. As such, there will be a reduction in the reporting of data obtained through Pillar 2 from April 2022 onwards. Data in this report should be interpreted in the context of this change to testing. <u>Public health guidance</u> remains in place for cases and their close contacts. Additionally, further changes in <u>testing policy</u> are in effect since 1 April 2023, which may affect case rates and positivity rates.

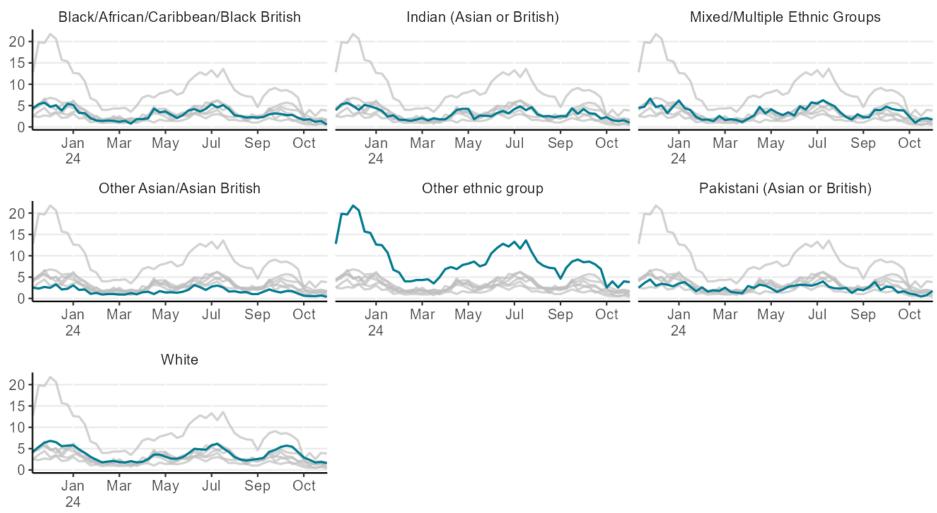
UK Health Security Agency

Confirmed COVID-19 cases - weekly positivity by UKHSA region



The highlighted line corresponds to the region in the subplot title, grey lines correspond to all other regions

Confirmed COVID-19 cases - weekly positivity by ethnicity



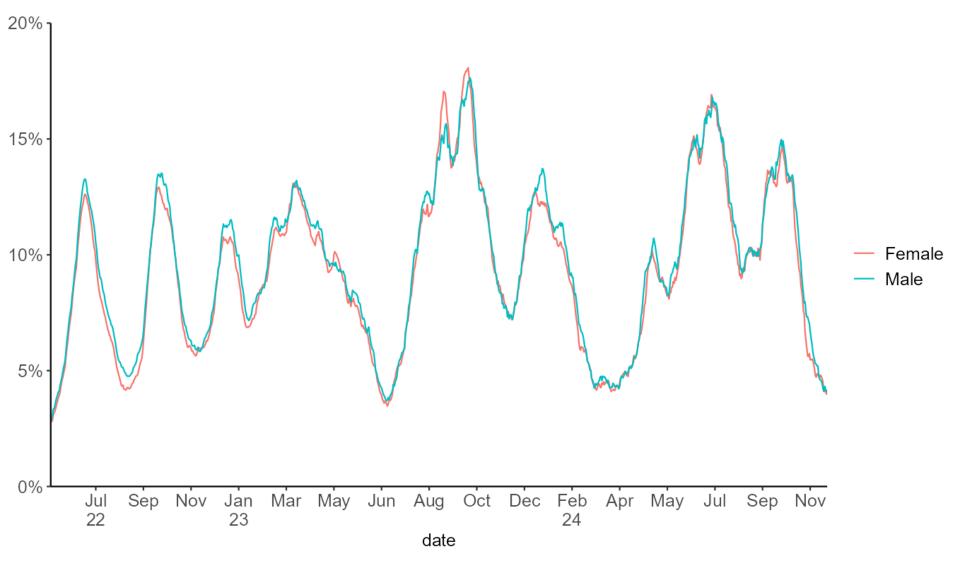
date

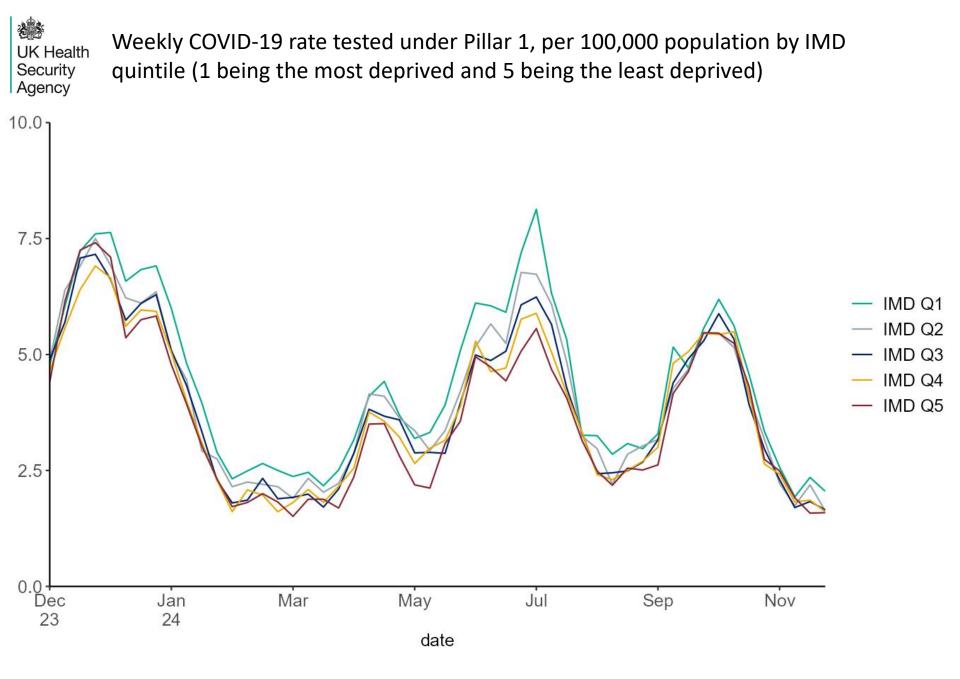
The highlighted line corresponds to the ethnicity in the subplot title, grey lines correspond to all other ethnicities

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UK Health Security Agency

الله UK Health	Seven-day rolling average PCR positivity (%) of confirmed COVID-19 cases
	tested by sex under Pillar 1



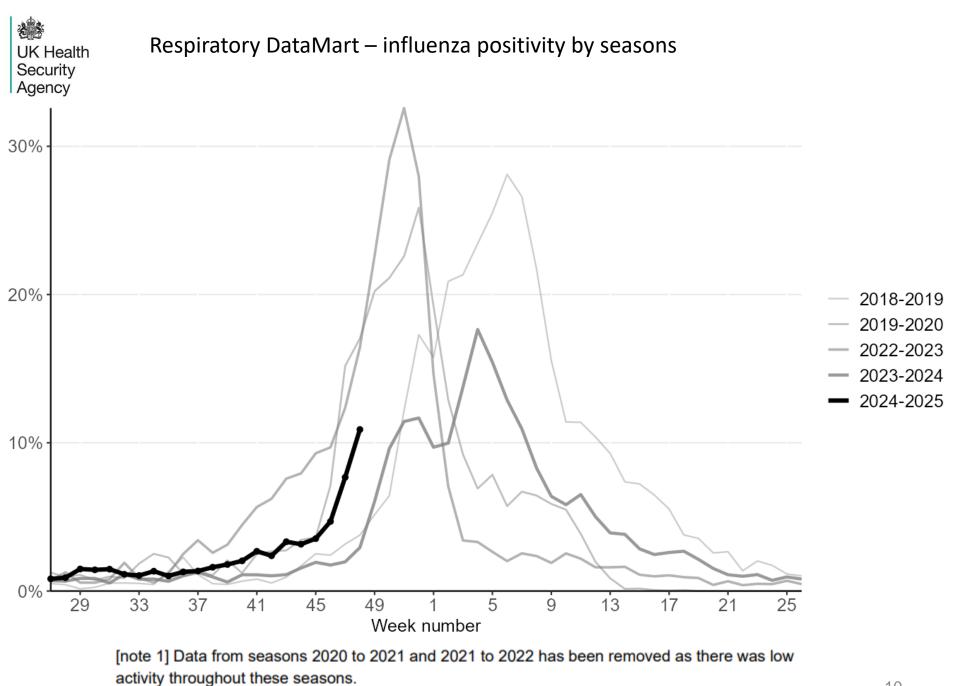


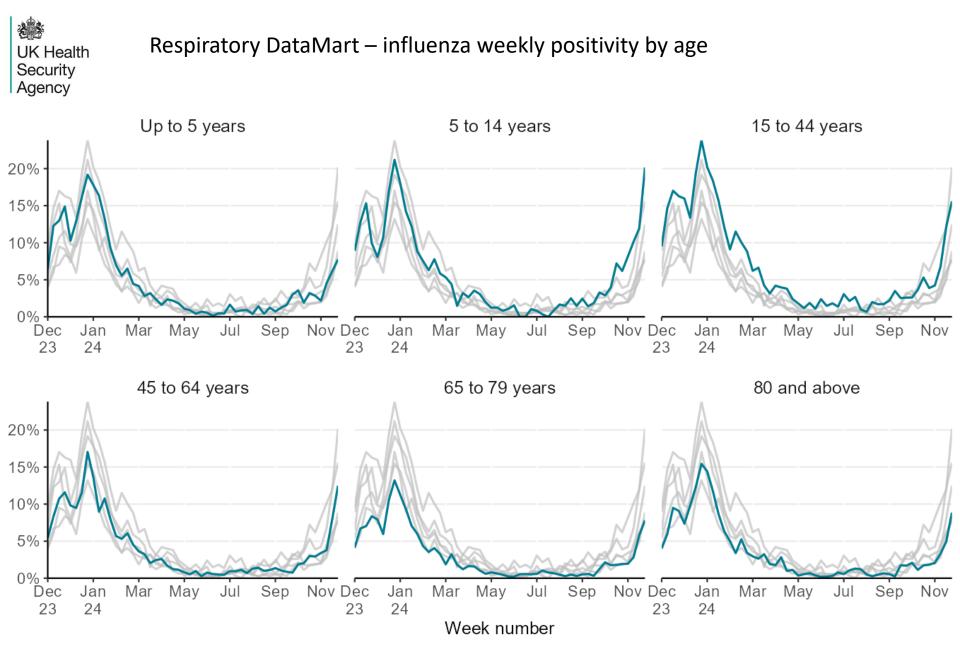
*incidence rates have been calculated using the mid-2019 ONS population estimates

4 December 2024

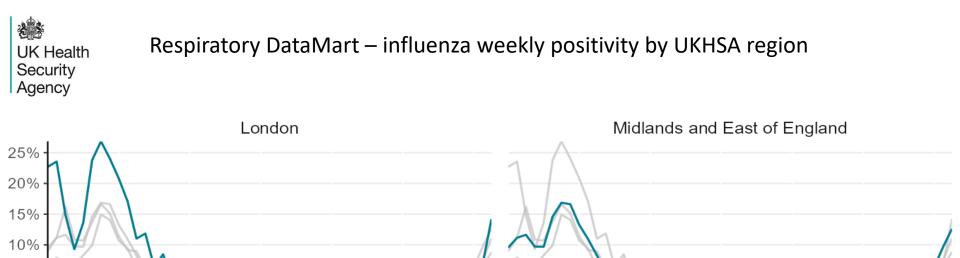


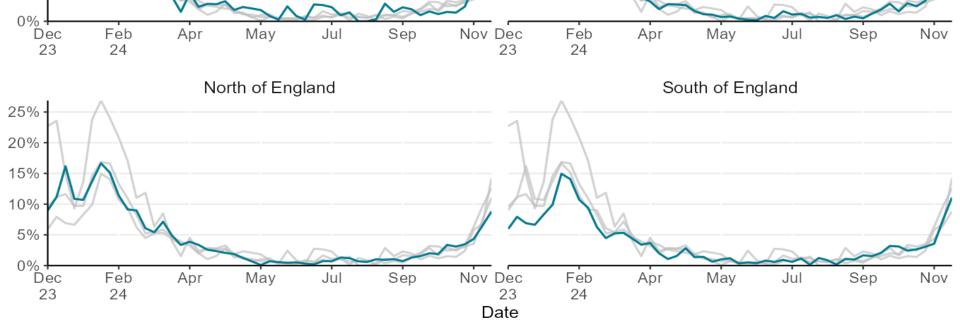
Respiratory Datamart system (England)





The highlighted line corresponds to the age group in the subplot title, grey lines correspond to all other age groups

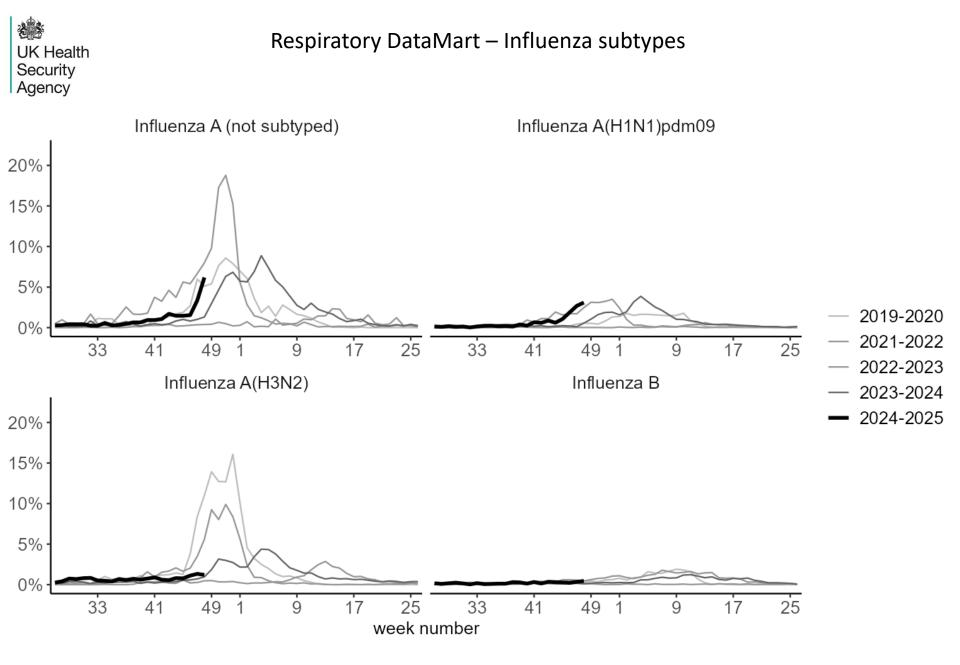


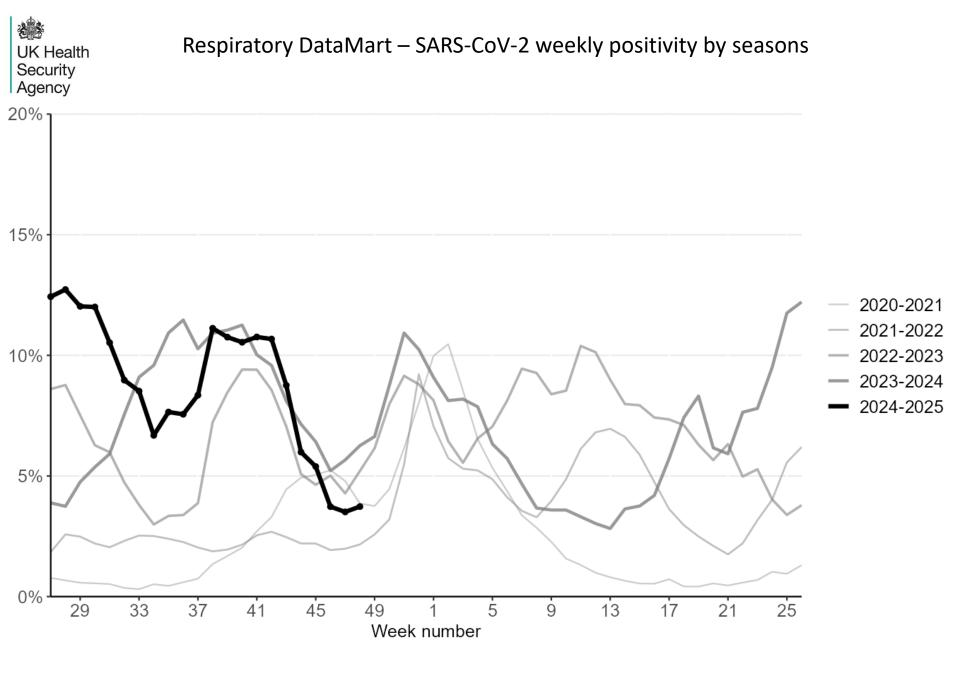


Changes in positivity in London should be interpreted with caution as there was a low number of samples this week and is subject to retrospective updates

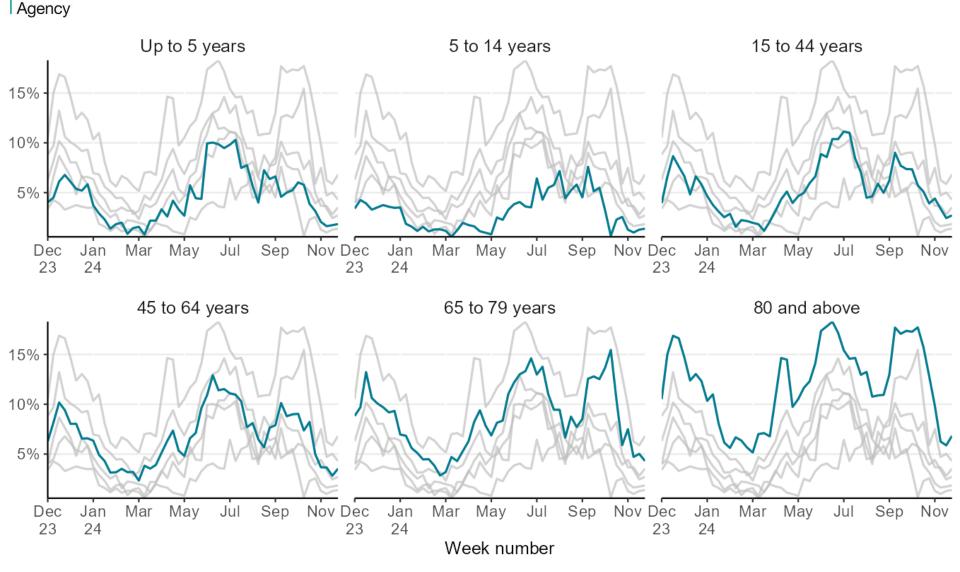
The highlighted line corresponds to the region in the subplot title, grey lines correspond to all regions

5%





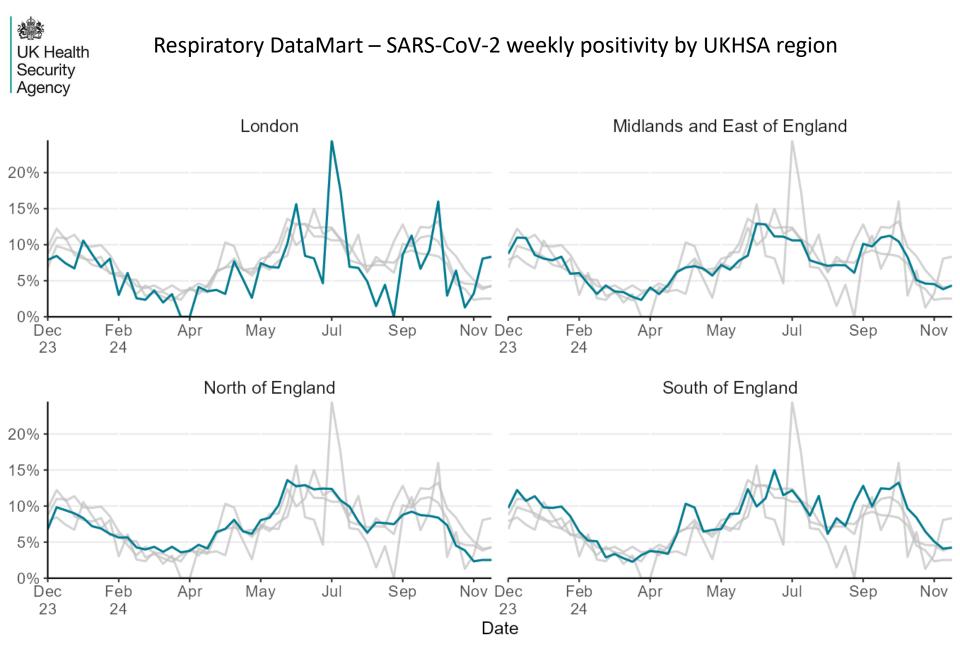
Respiratory DataMart – SARS-CoV-2 weekly positivity by age group

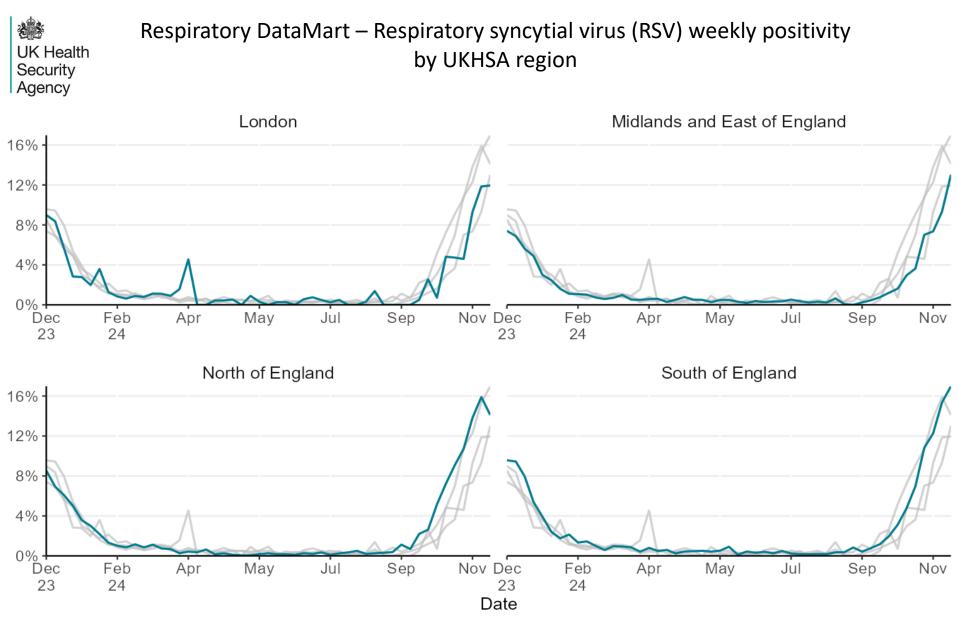


The highlighted line corresponds to the age group in the subplot title, grey lines correspond to all other age groups

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UK Health Security

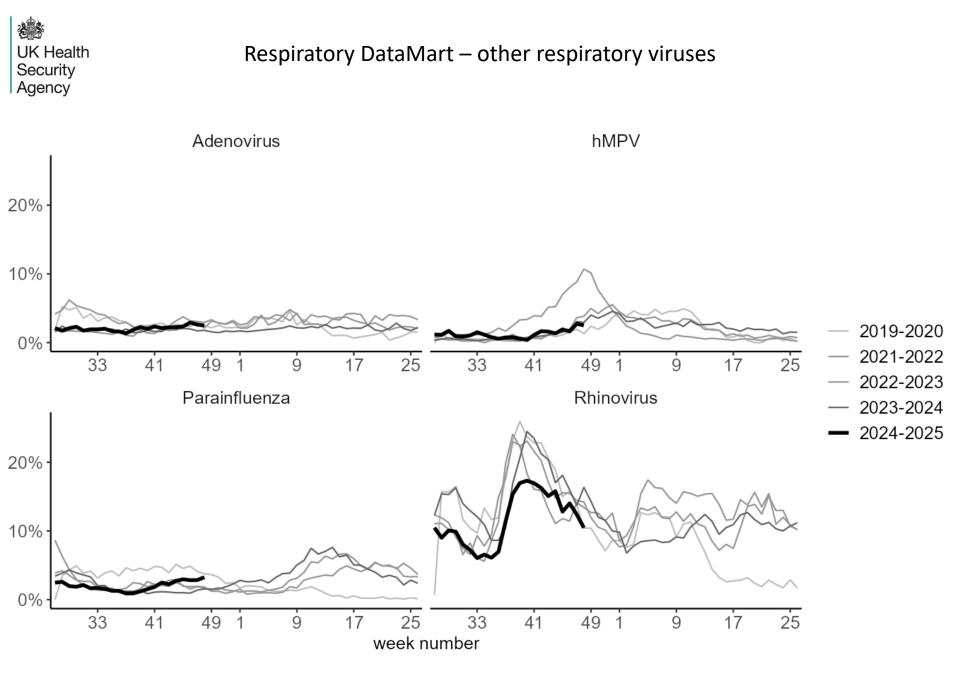


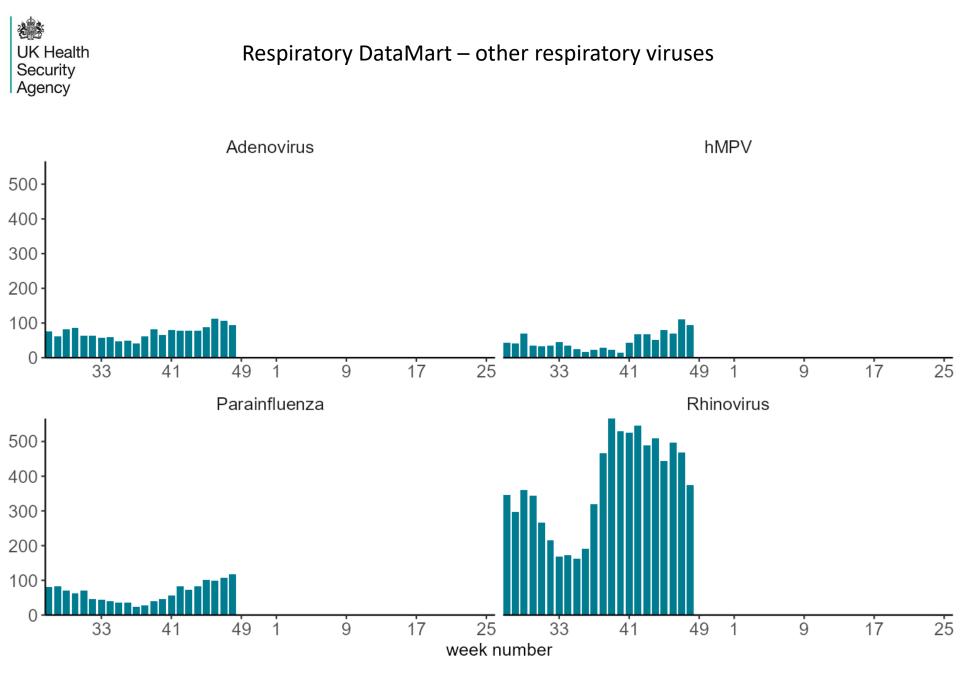


Changes in positivity in London should be interpreted with caution as there was a low number of samples this week and is subject to retrospective updates

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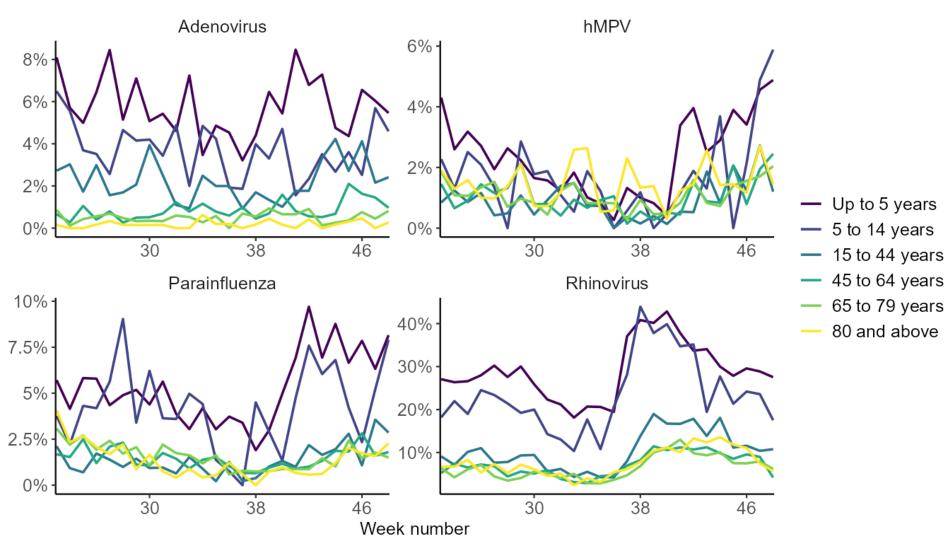
4 December 2024





4 December 2024

Respiratory DataMart – other respiratory viruses



Please note y-axis uses different scales across graphs

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UK Health

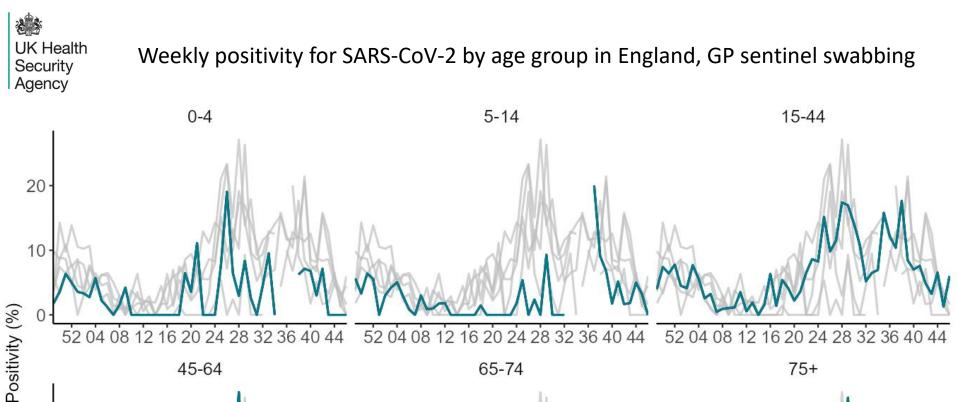
Security Agency

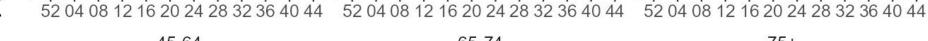


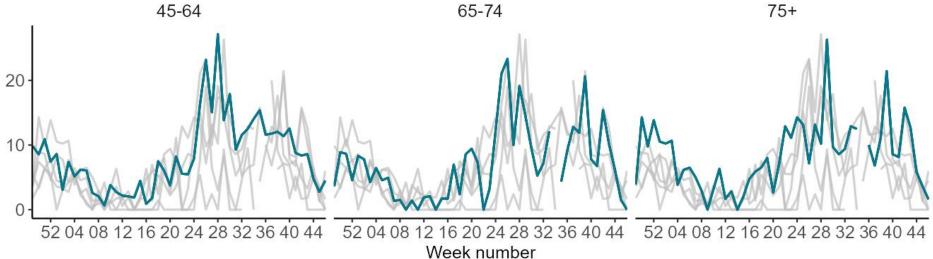
Primary Care surveillance



4 December 2024

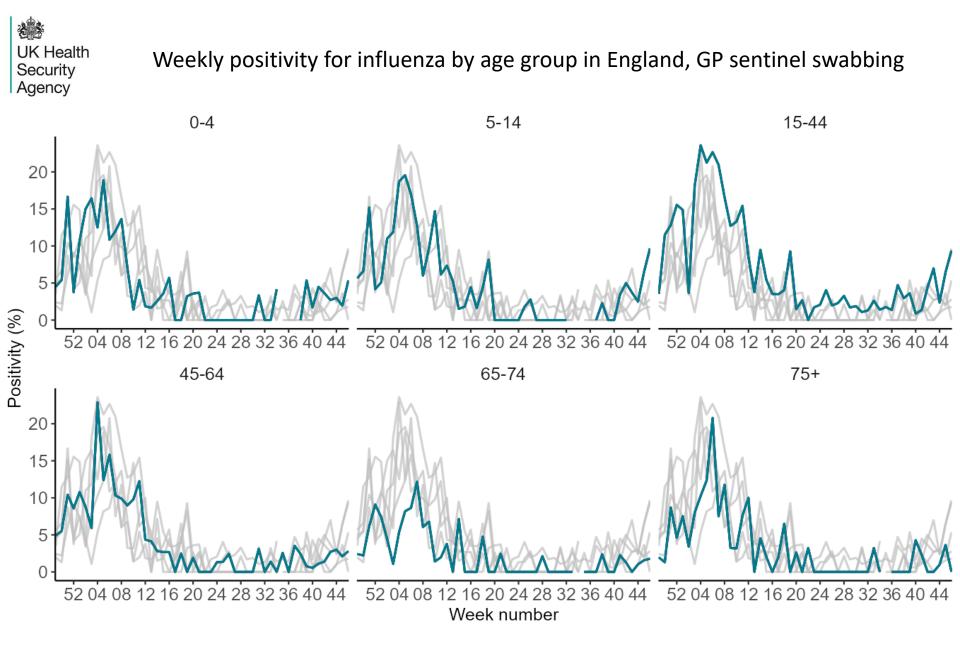






Note: Weeks where fewer than 20 samples were tested in the age group are omitted

The highlighted line corresponds to the age group in the subplot title, grey lines correspond to all other age groups 22 4 December 2024

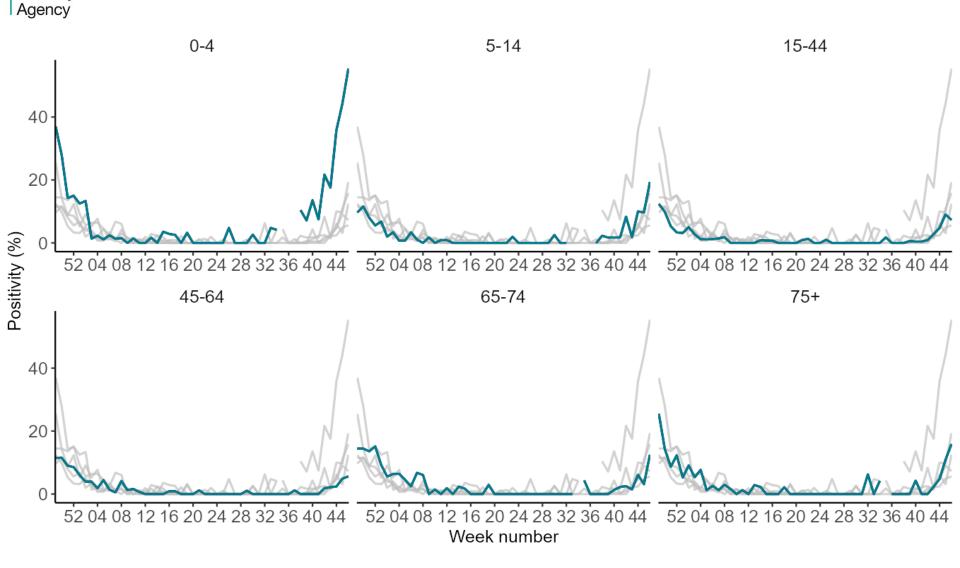


Note: Weeks where fewer than 20 samples were tested in the age group are omitted

The highlighted line corresponds to the age group in the subplot title, grey lines correspond to all other age groups 4 December 2024

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Weekly positivity for RSV by age group in England, GP sentinel swabbing



Note: Weeks where fewer than 20 samples were tested in the age group are omitted

UK Health

Security

The highlighted line corresponds to the age group in the subplot title, grey lines correspond to all other age groups 4 December 2024

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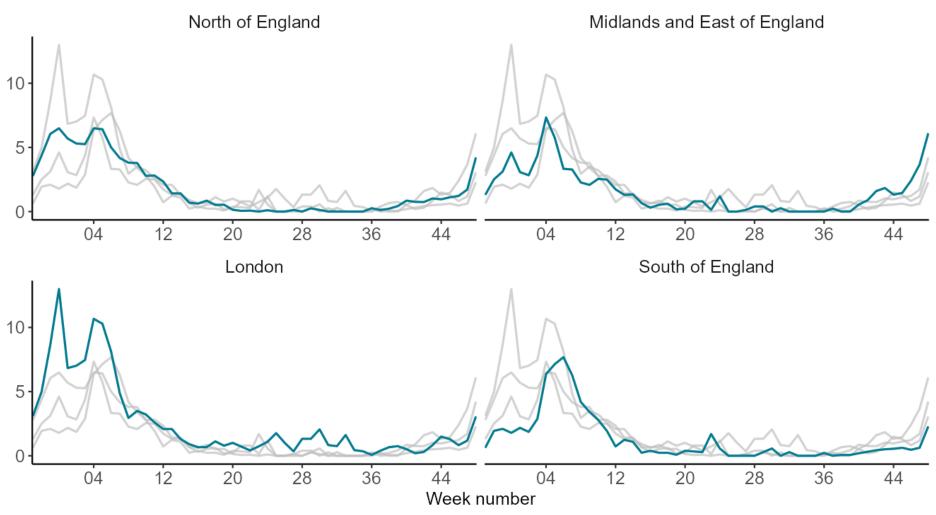
Secondary Care surveillance



4 December 2024

Weekly influenza hospital admission rate by UKHSA region, SARI Watch sentinel Security Agency

Weekly Hospitalisation rate per 100,000 trust catchment population



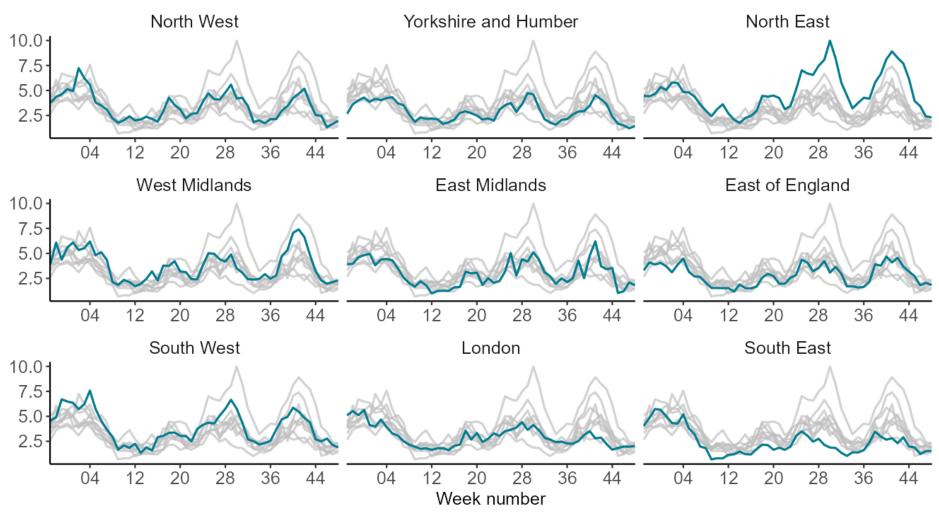
The highlighted line corresponds to the region in the subplot title, grey lines correspond to all other regions

Weekly ICU or HDU admission rate by UKHSA region for new influenza, reported **UK Health** Security through SARI Watch mandatory surveillance Agency ICU admission rate per 100,000 trust catchment population North West Yorkshire and Humber North East 0.3 0.2 0.1 0.0 West Midlands East Midlands East of England 0.3 0.2 0.1 0.0 South West London South East 0.3 0.2 0.1 0.0 Week number

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Weekly hospital admission rate by region for new COVID-19 positive cases, SARI **UK Health** Watch mandatory surveillance

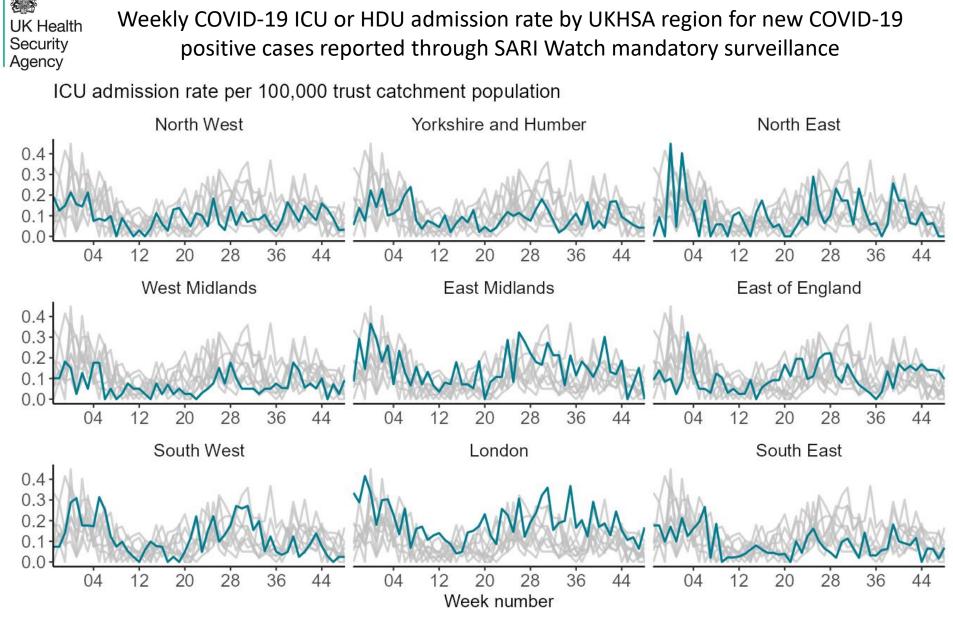
Weekly Hospitalisation rate per 100,000 trust catchment population



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Security

Agency



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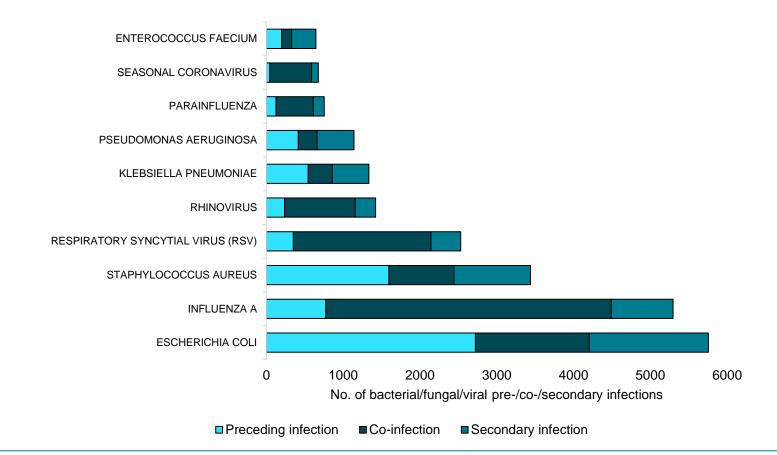


Preceding, co- and secondary infections in persons with COVID-19 and influenza in England, Jul 2022 – 2nd December 2024

HCAI, Fungal, AMR, AMU & Sepsis Division

UK Health Security Agency

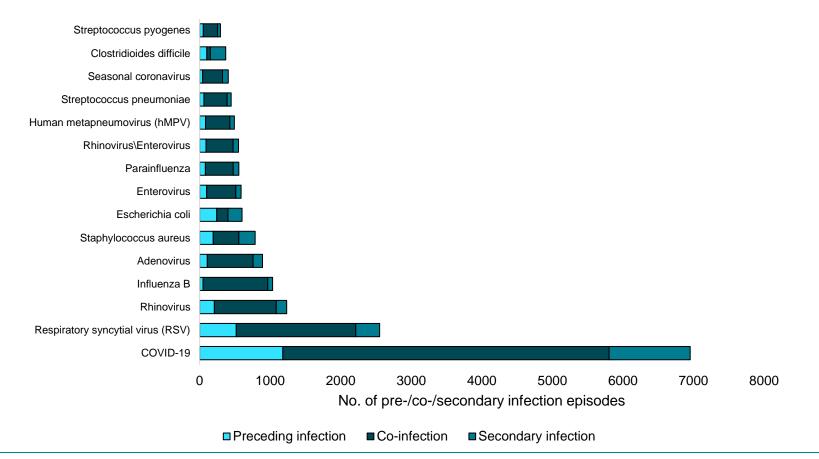
Most frequent bacterial, fungal, and viral specimens, by timing of diagnosis, in persons with COVID-19 in England from ISO week 27 of 2022



Key findings:

From ISO week 27 of 2022, the most frequent organisms identified were *Escherichia coli*, Influenza A, and *Staphylococcus aureus*.

Security Most frequent bacterial/fungal/respiratory viral infections, by timing of diagnosis, in persons with influenza in England from ISO week 27 of 2022



Key findings:

UK Health

Agency

From ISO week 27 of 2022, the most frequent organisms identified were COVID-19, RSV, and rhinovirus.

*The baseline infection is any type of influenza (influenza A or B or both) for all bacterial/fungal/respiratory viral preceding/co-/secondary infections except for influenza B, where the baseline infection is influenza A.