



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 1 (between 30 December 2024 and 5 January 2025).



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Laboratory-confirmed cases (England)



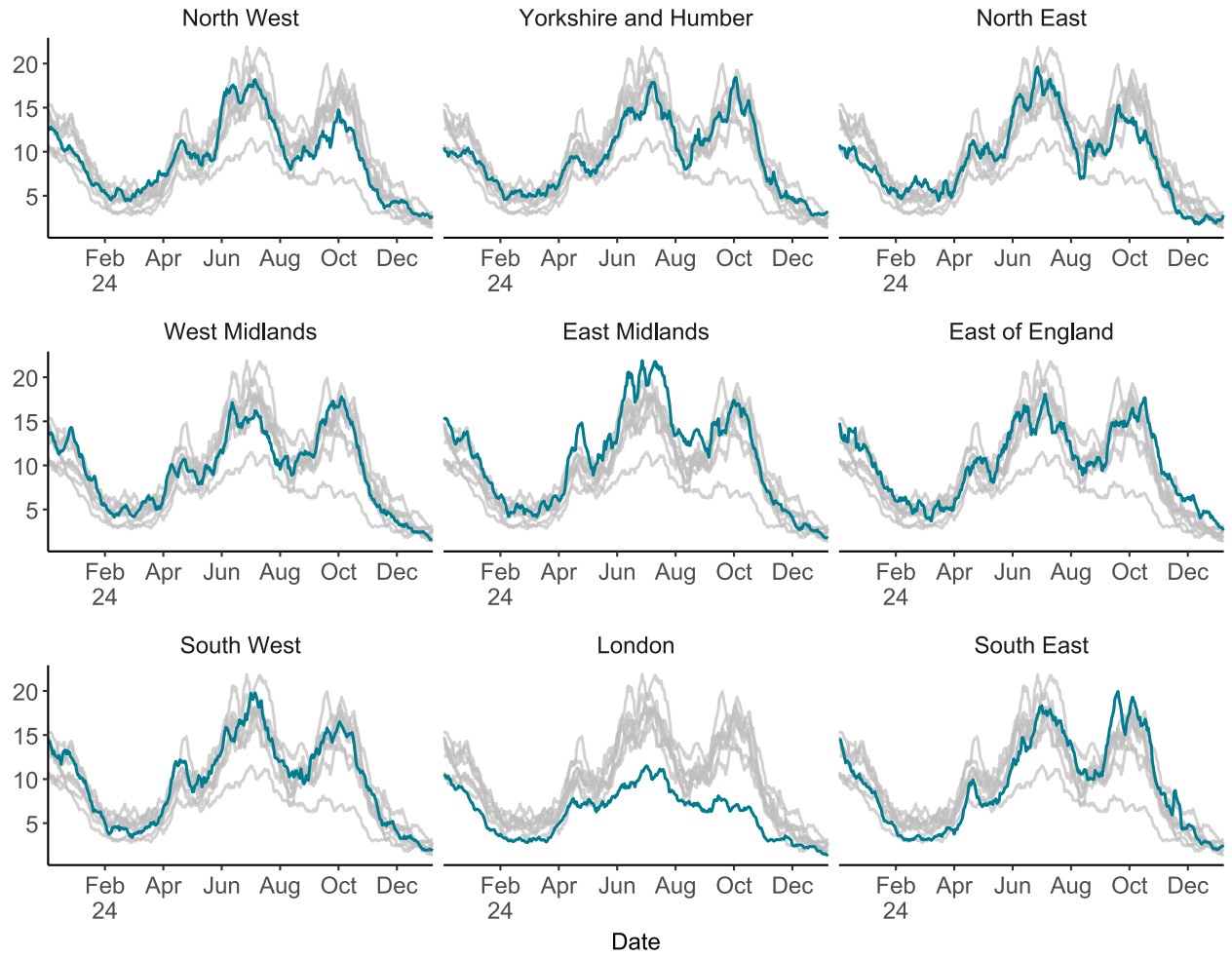
Confirmed COVID-19 episodes in England

Data information

- From the 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 [confirmatory PCR testing in individuals who test positive using a lateral flow device was temporarily removed](#)
- 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 [UKHSA data dashboard](#)
- 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 [living with COVID-19](#). 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. [Public health guidance](#) remains in place for cases and their close contacts. Additionally, further changes in [testing policy](#) are in effect since 1 April 2023, which may affect case rates and positivity rates.



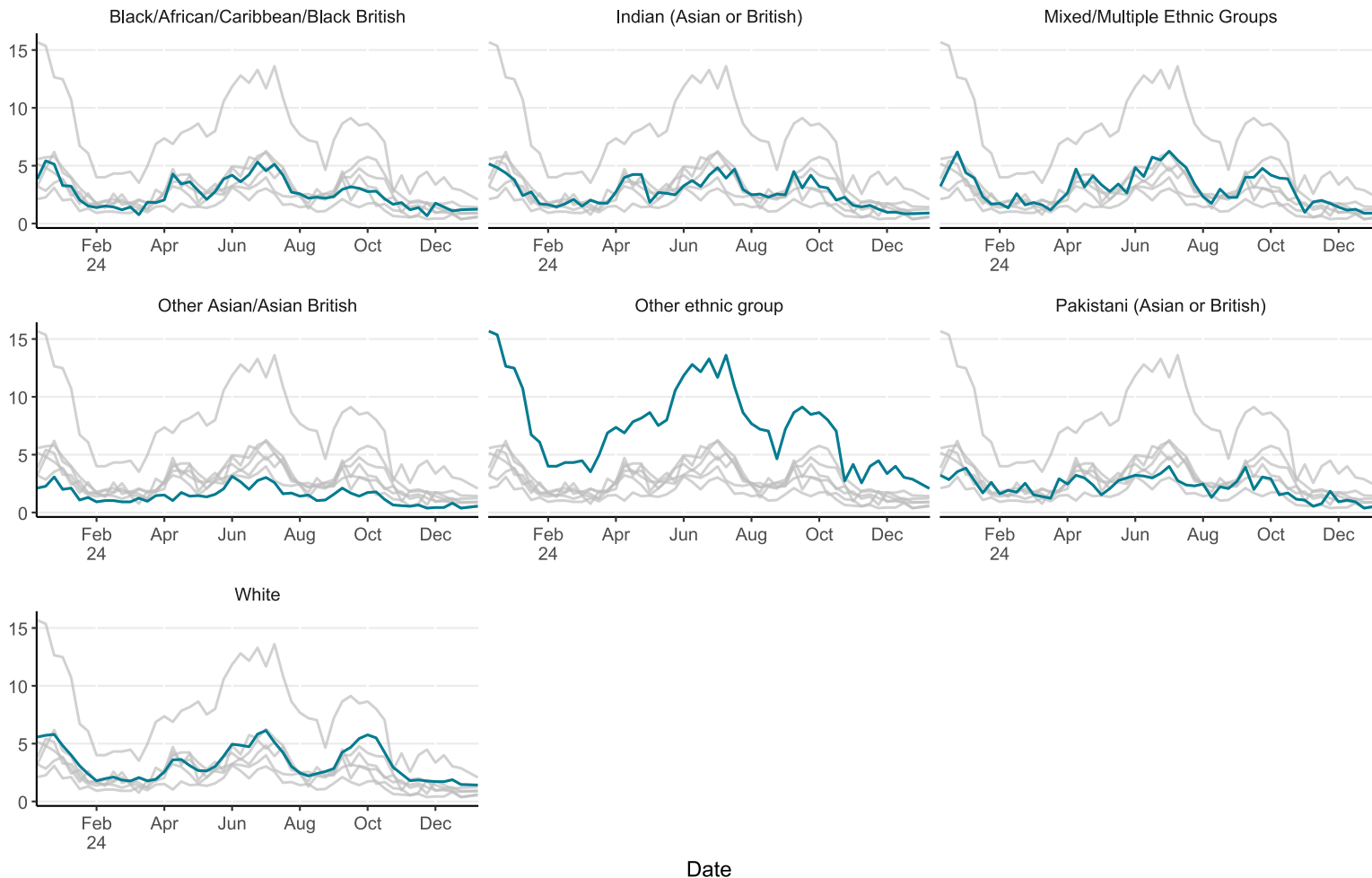
Confirmed COVID-19 cases - weekly positivity by UKHSA region



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



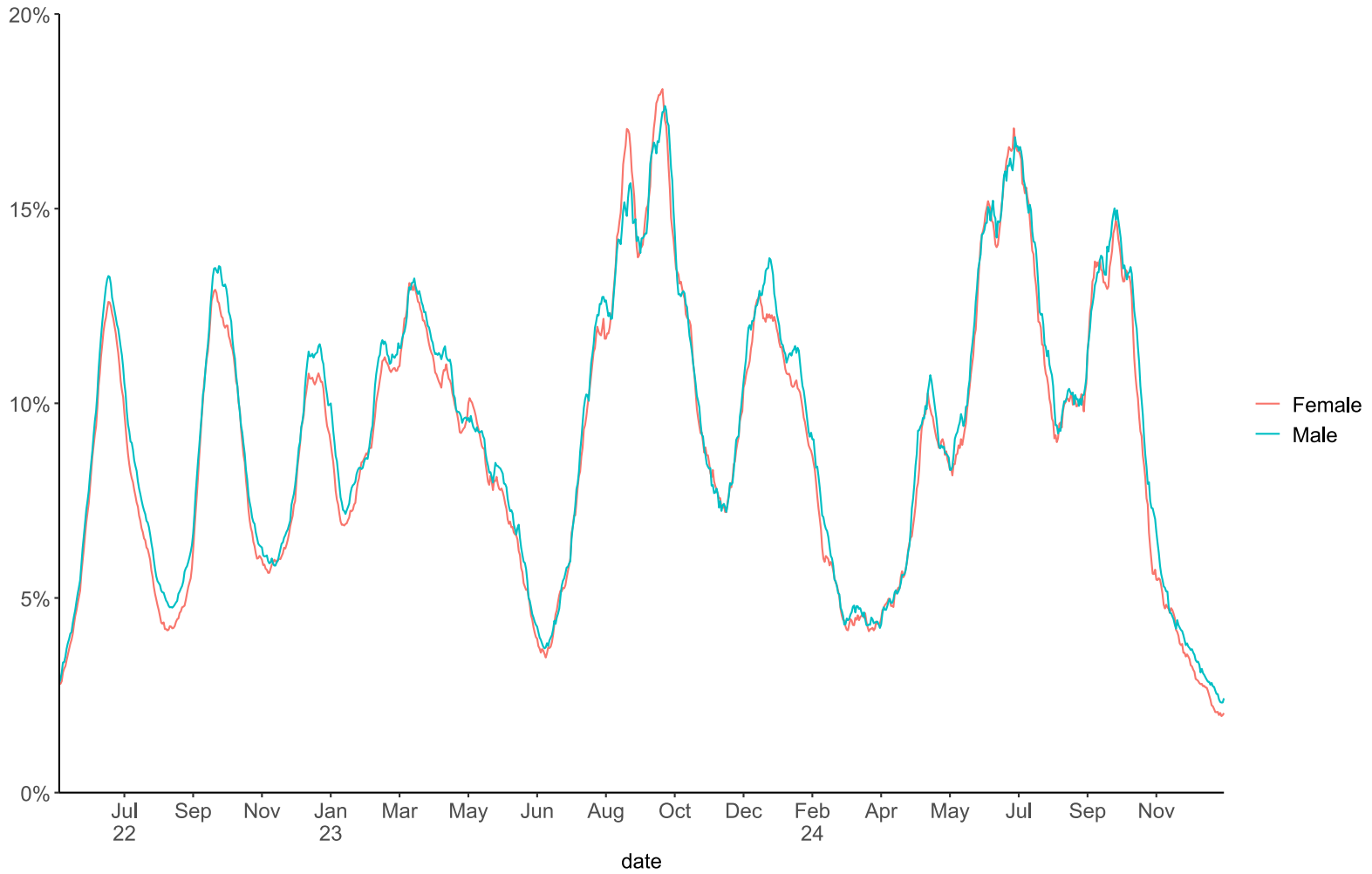
Confirmed COVID-19 cases - weekly positivity by ethnicity



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

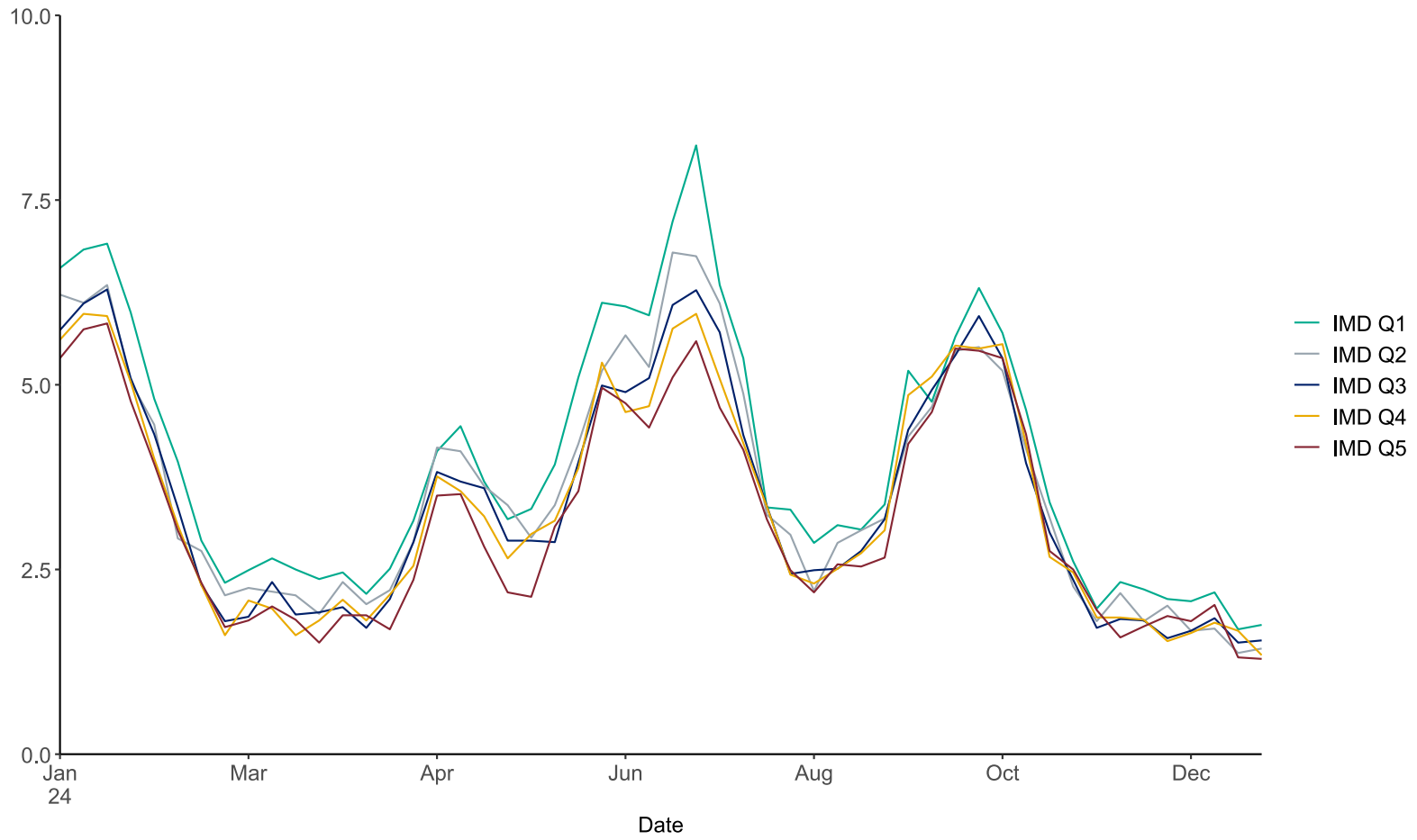


Seven-day rolling average PCR positivity (%) of confirmed COVID-19 cases tested by sex under Pillar 1





Weekly COVID-19 rate tested under Pillar 1, per 100,000 population by IMD quintile (1 being the most deprived and 5 being the least deprived)



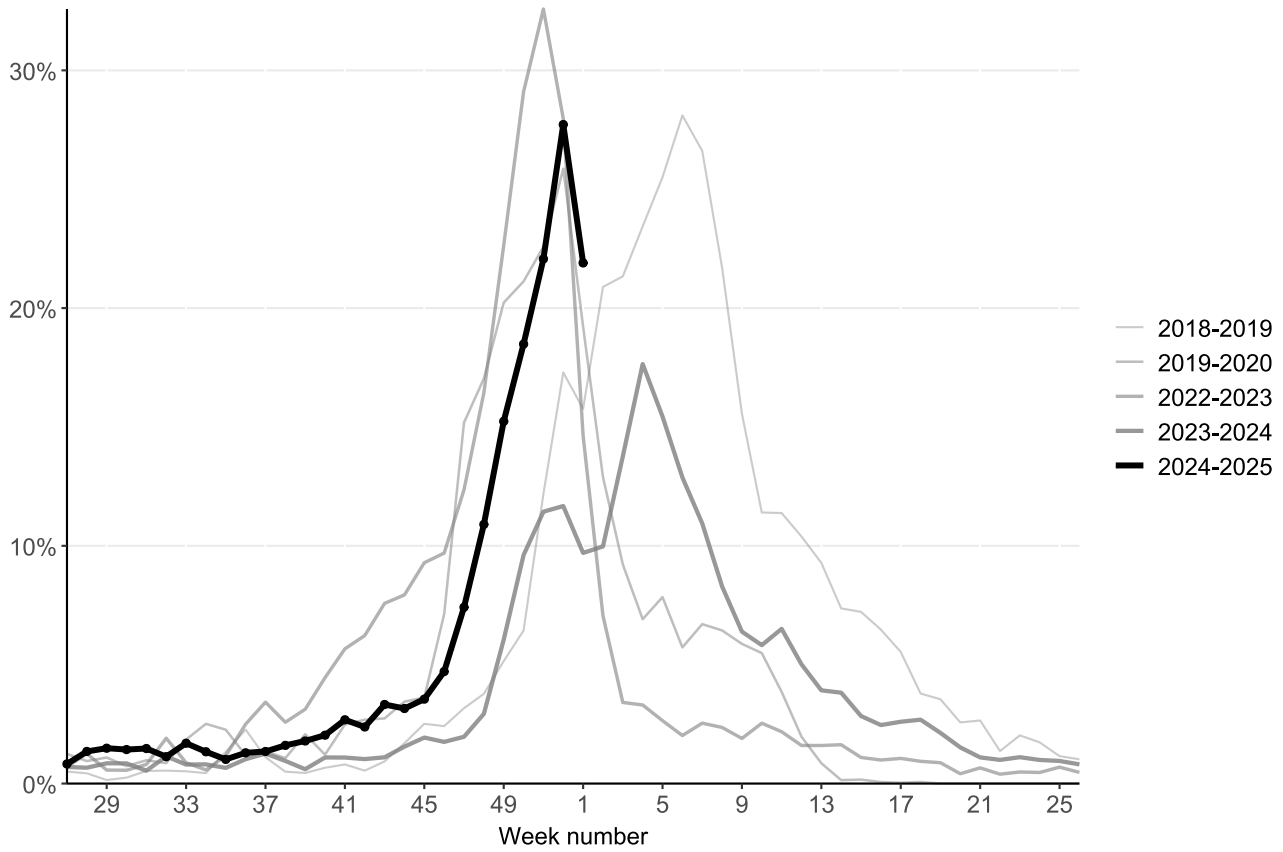
*incidence rates have been calculated using the mid-2019 ONS population estimates



Respiratory DataMart system (England)



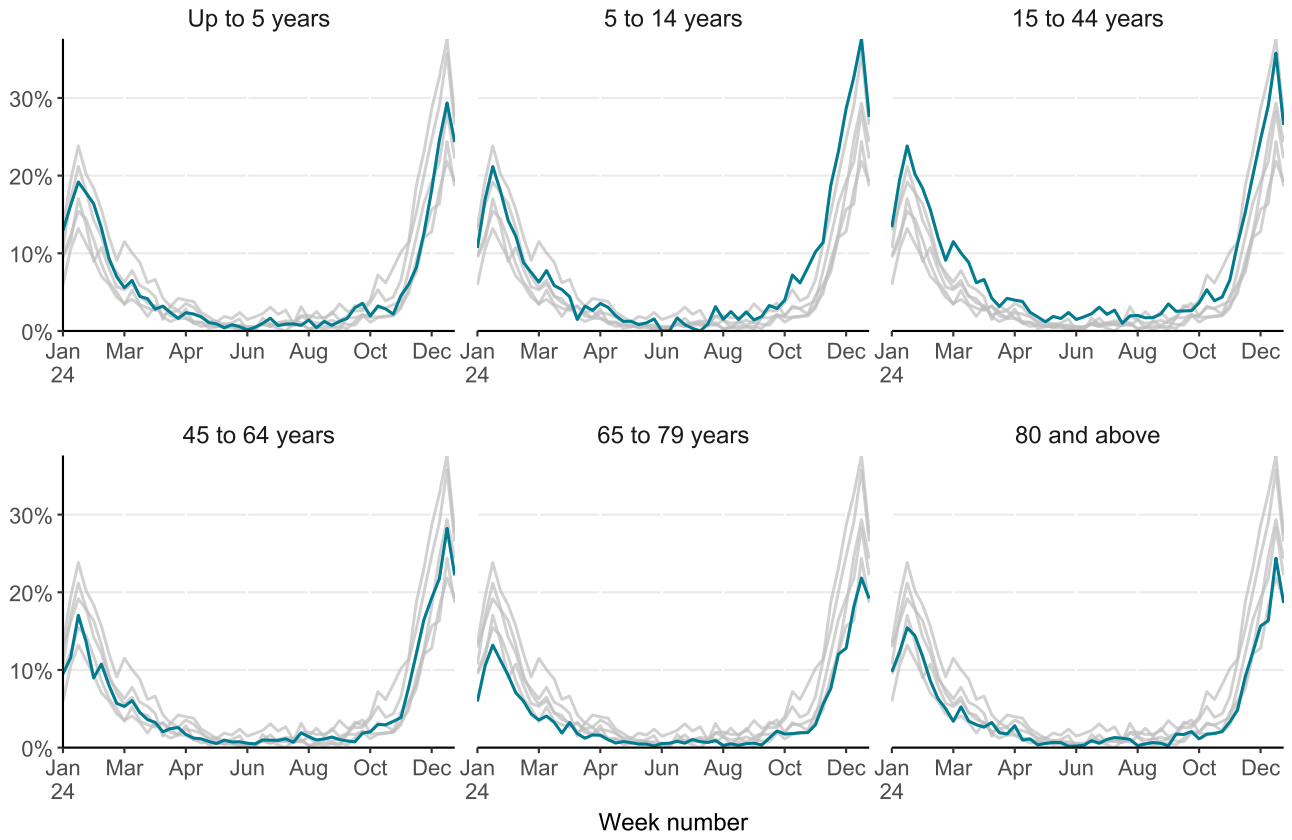
Respiratory DataMart – influenza positivity by seasons



[note 1] Data from seasons 2020 to 2021 and 2021 to 2022 has been removed as there was low activity throughout these seasons



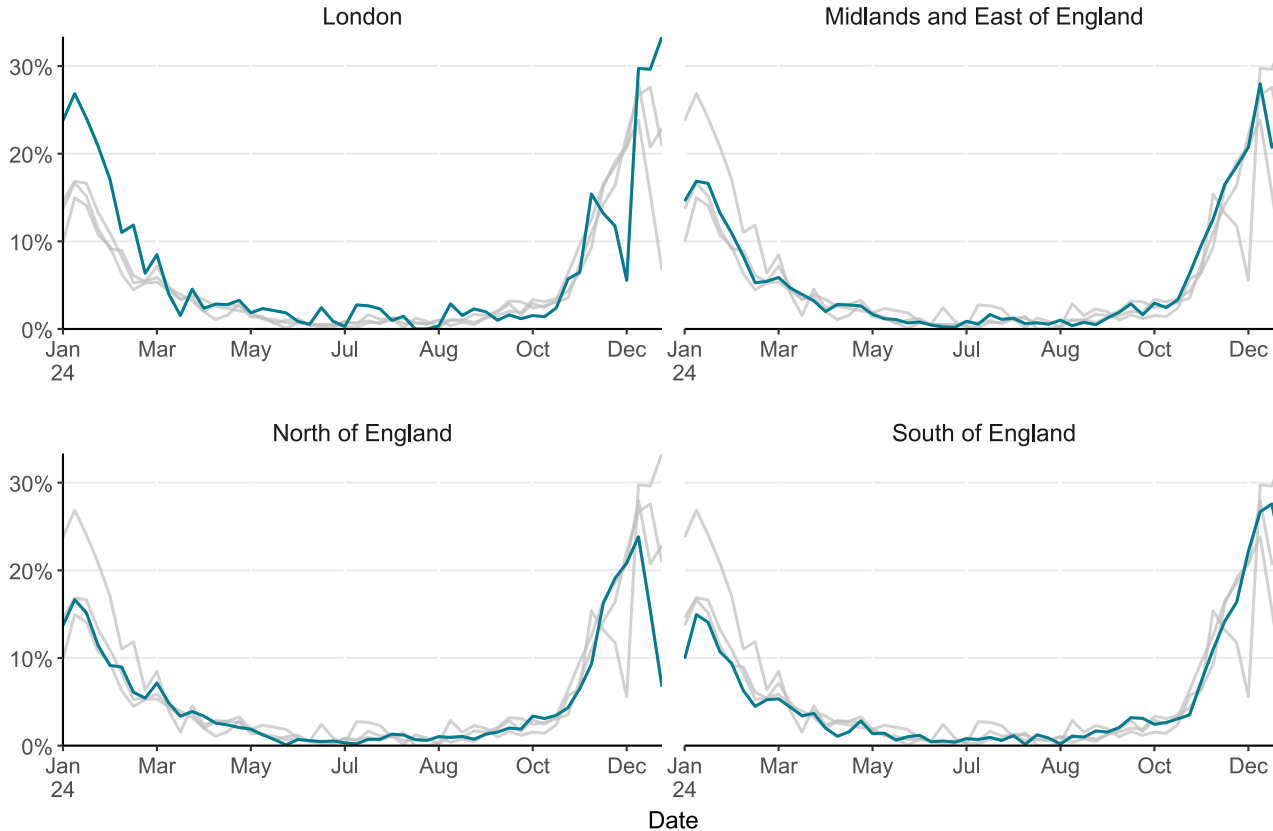
Respiratory DataMart – influenza weekly positivity by age



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



Respiratory DataMart – influenza weekly positivity by UKHSA region

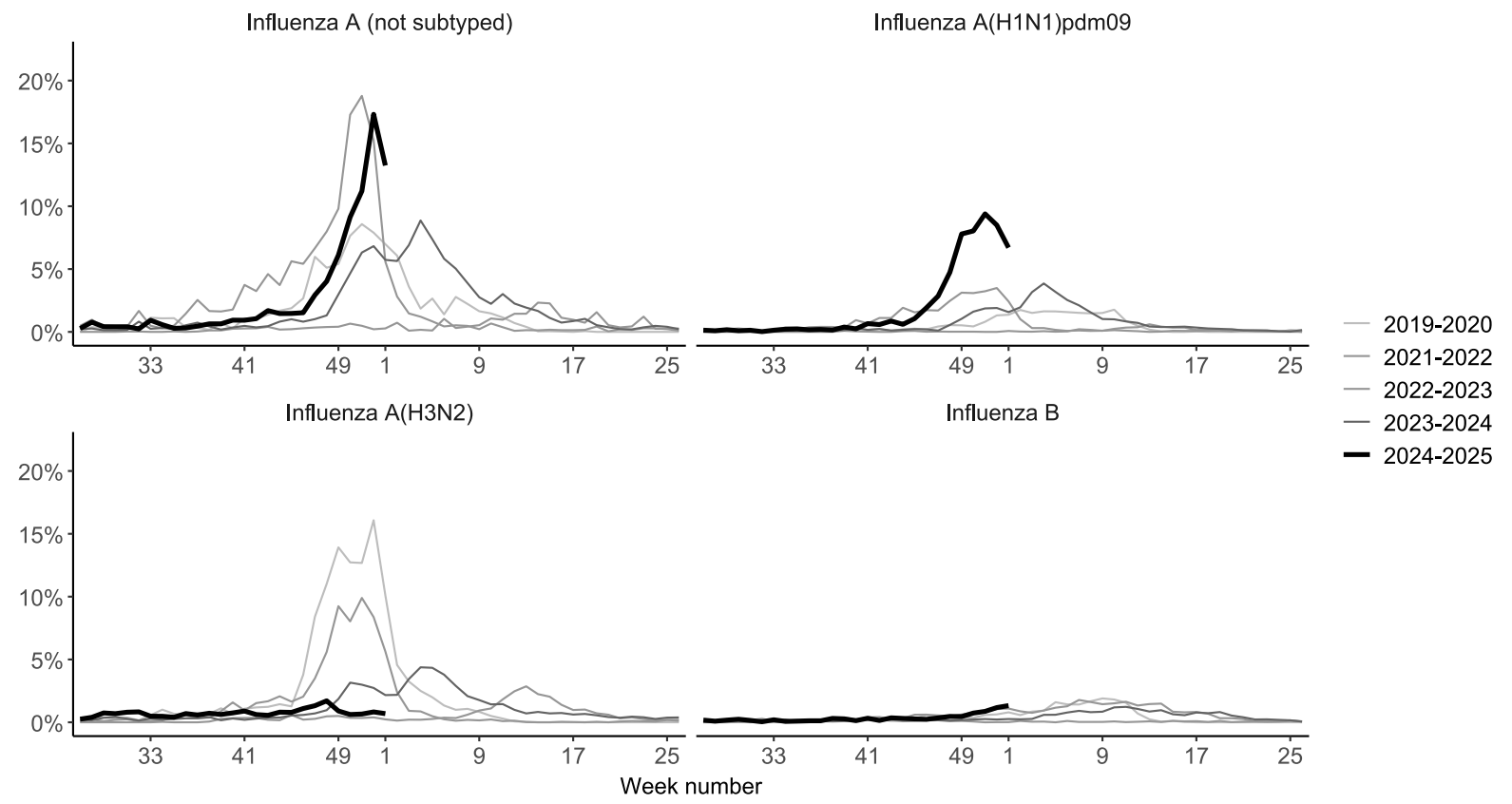


Changes in positivity in London should be interpreted with caution as there was a low number of samples this week and is subject to retrospective updates

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

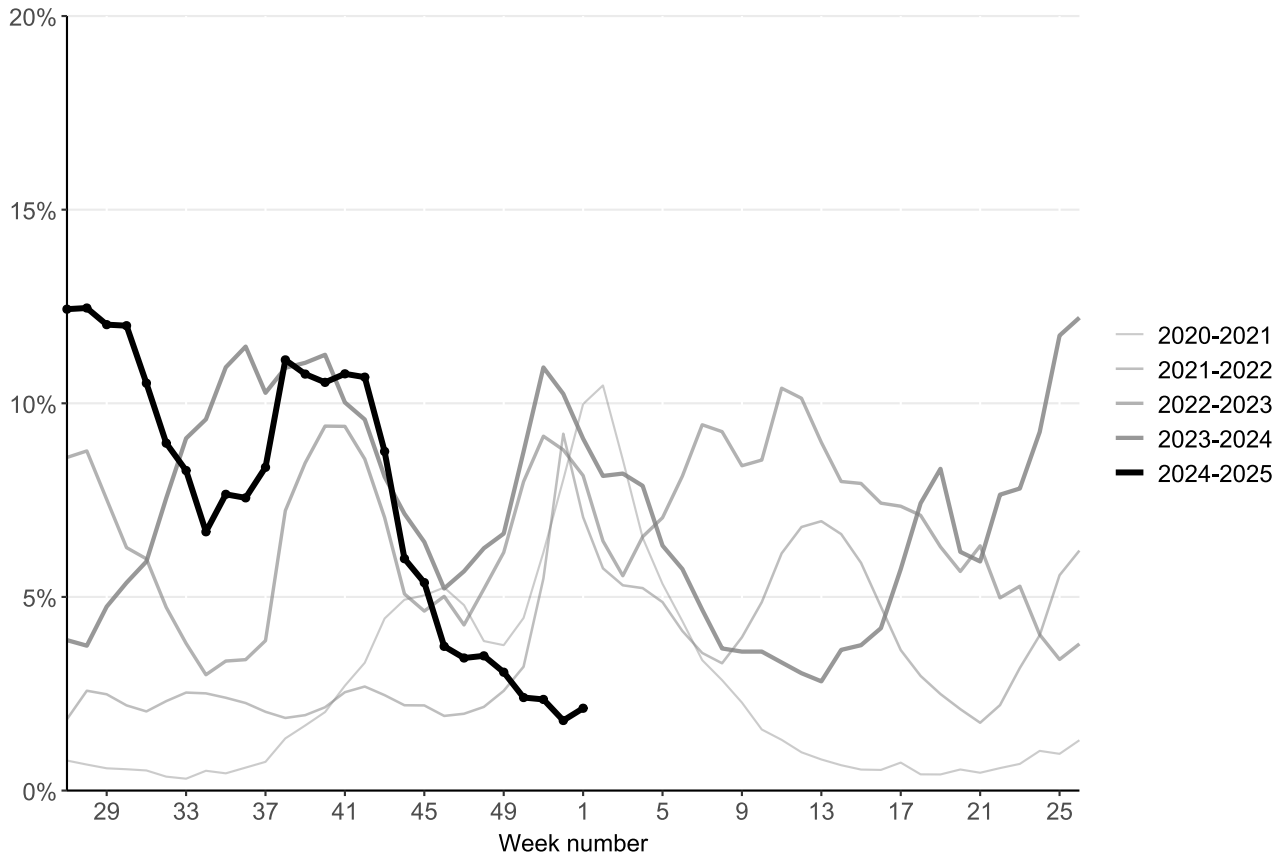


Respiratory DataMart – Influenza subtypes



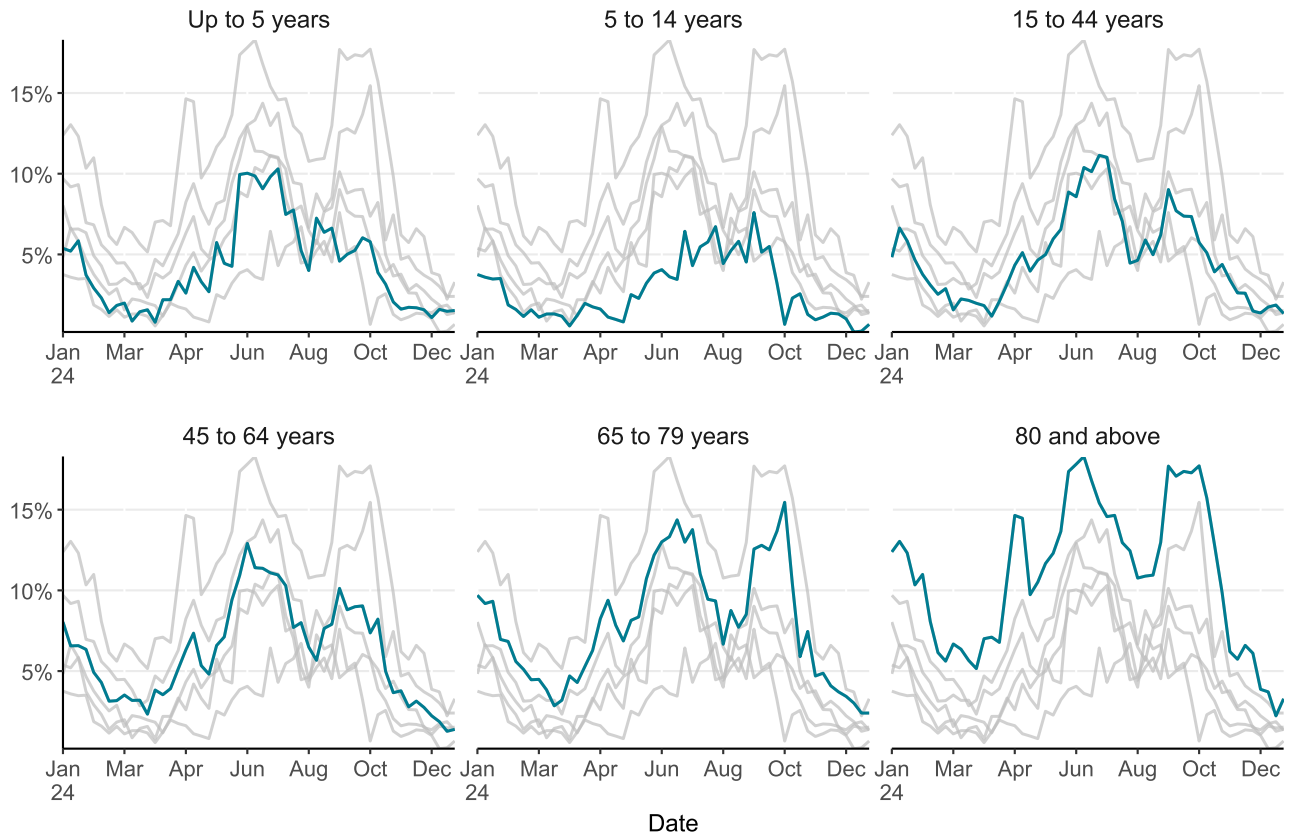


Respiratory DataMart – SARS-CoV-2 weekly positivity by seasons





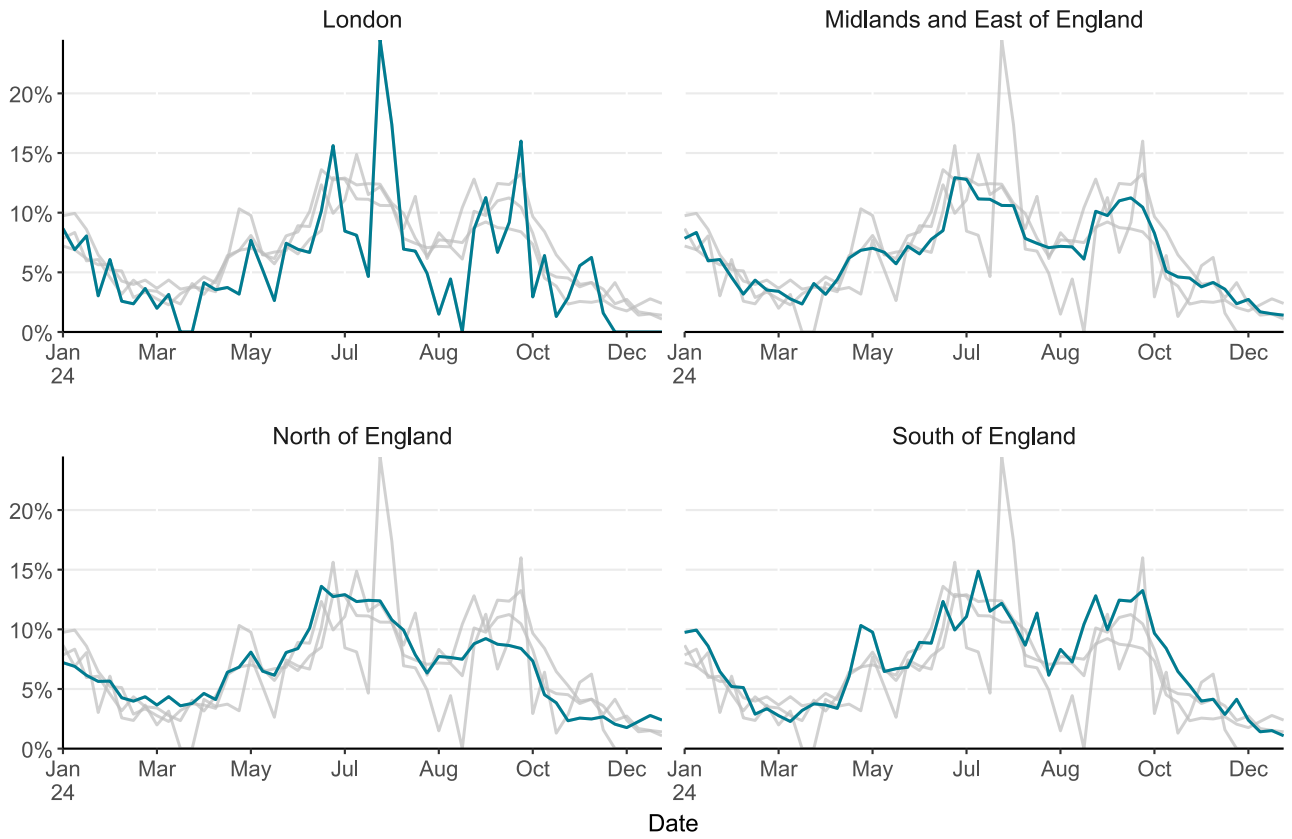
Respiratory DataMart – SARS-CoV-2 weekly positivity by age group



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



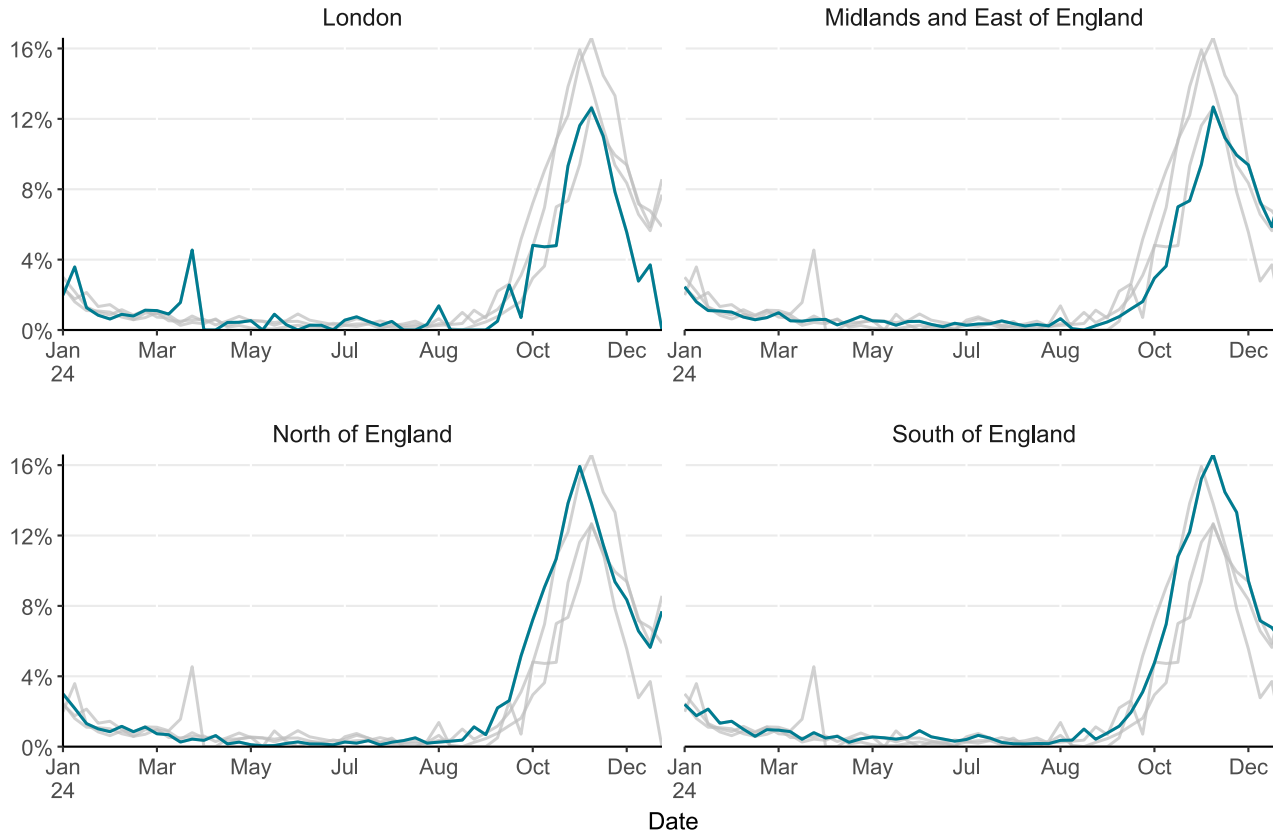
Respiratory DataMart – SARS-CoV-2 weekly positivity by UKHSA region



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



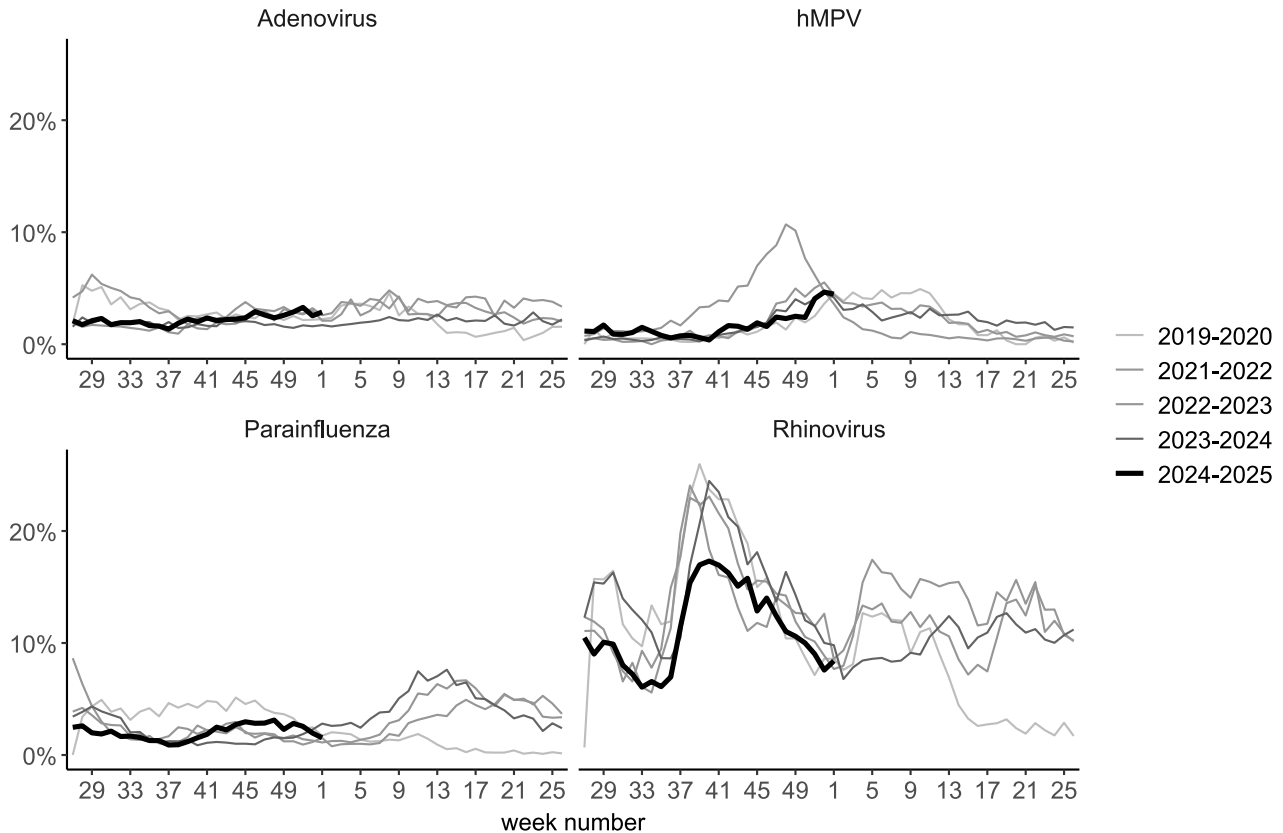
Respiratory DataMart – Respiratory syncytial virus (RSV) weekly positivity by UKHSA region



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

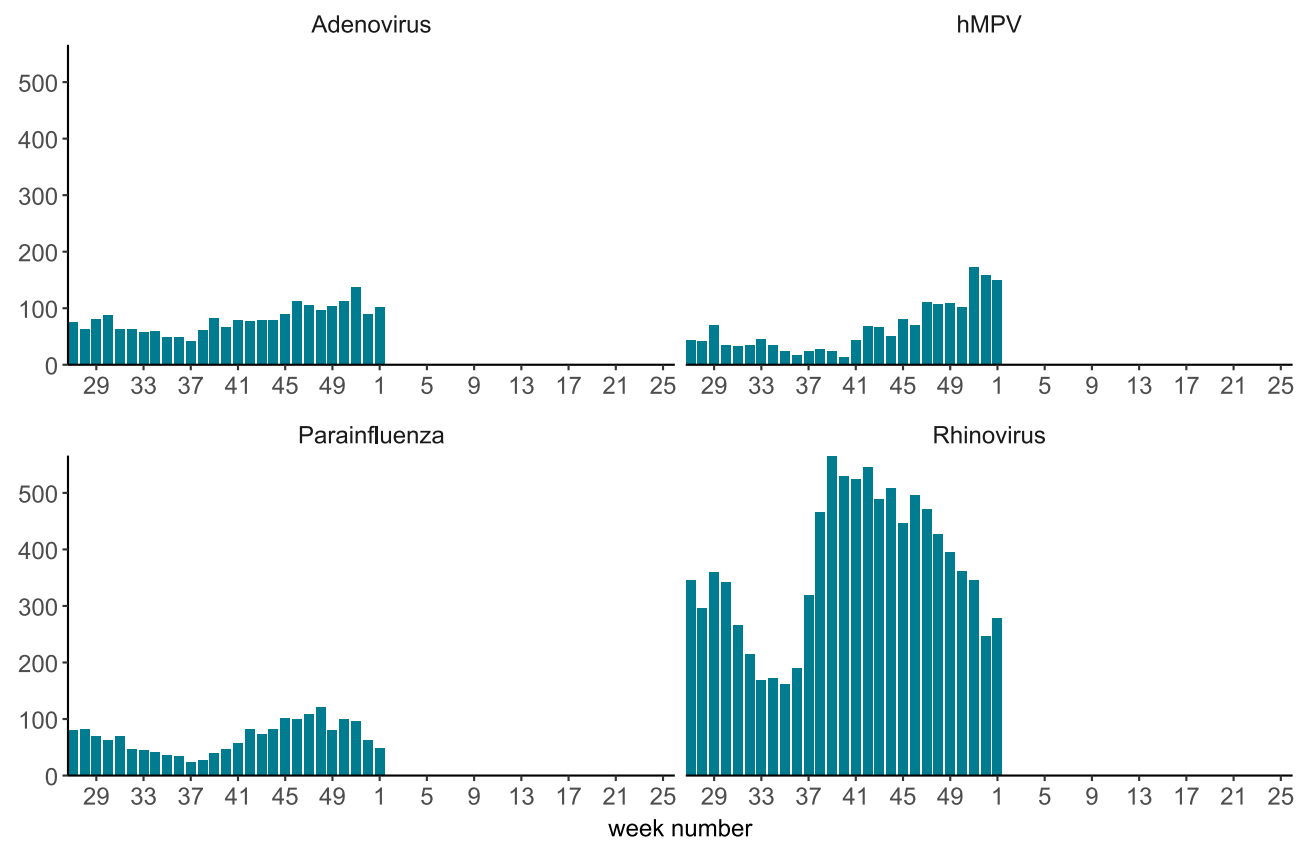
The highlighted line corresponds to the region in the subplot title, grey lines correspond to all regions

Respiratory DataMart – other respiratory viruses



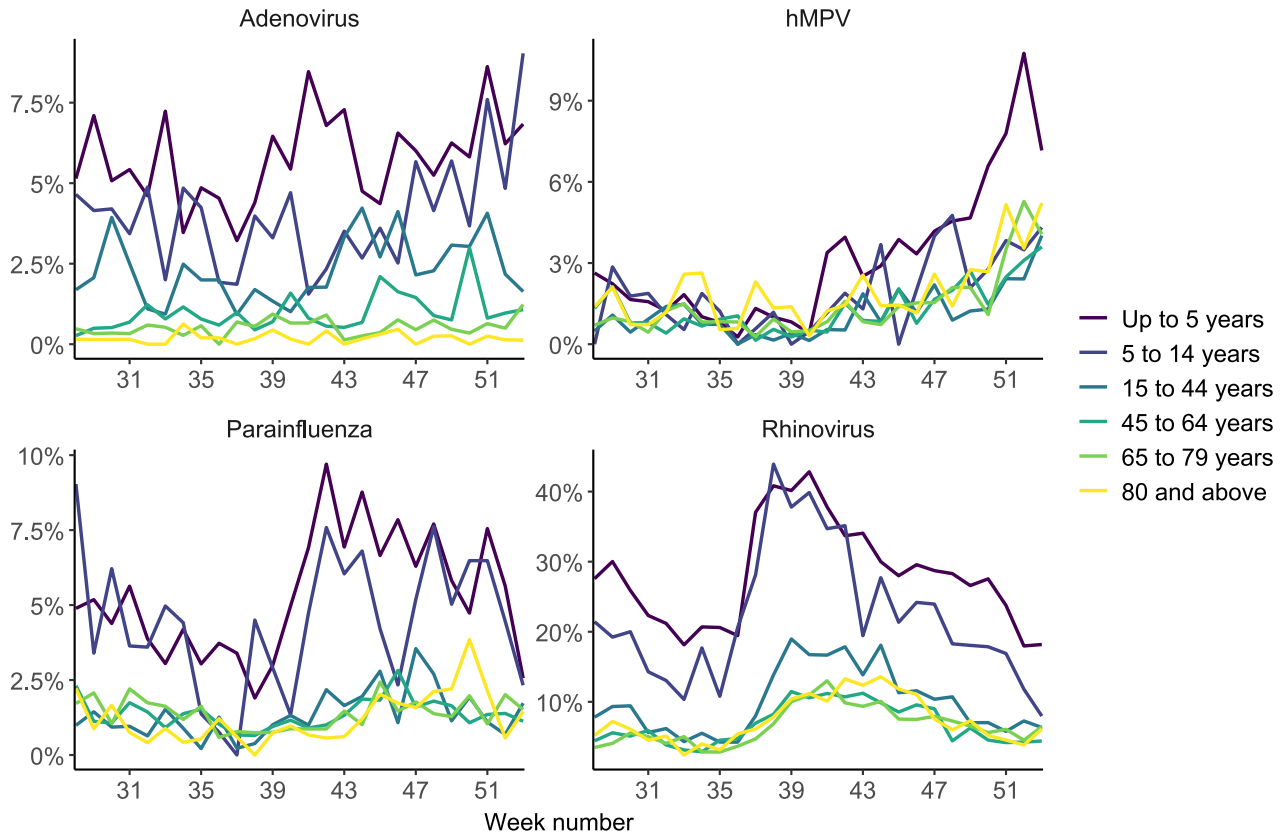


Respiratory DataMart – other respiratory viruses





Respiratory DataMart – other respiratory viruses



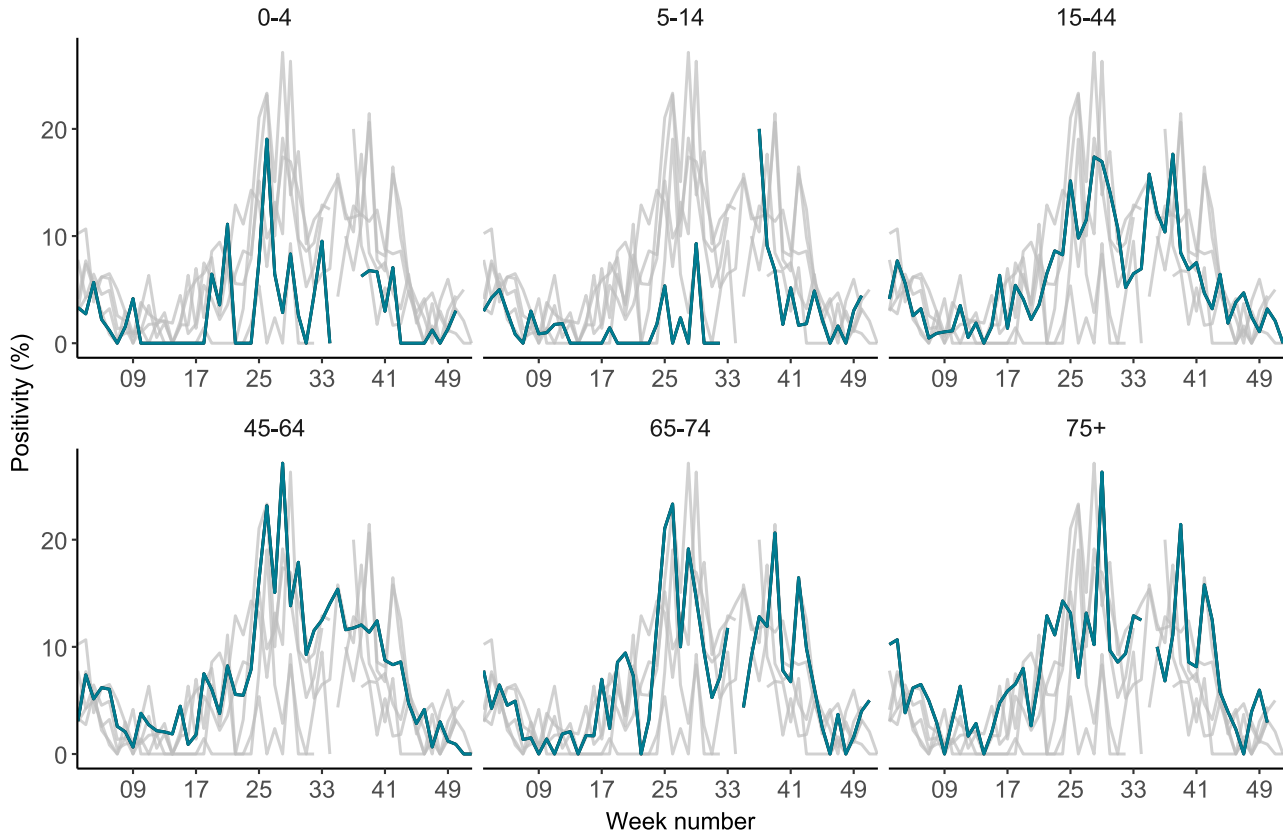
Please note y-axis uses different scales across graphs



Primary care surveillance



Weekly positivity for SARS-CoV-2 by age group in England, GP sentinel swabbing

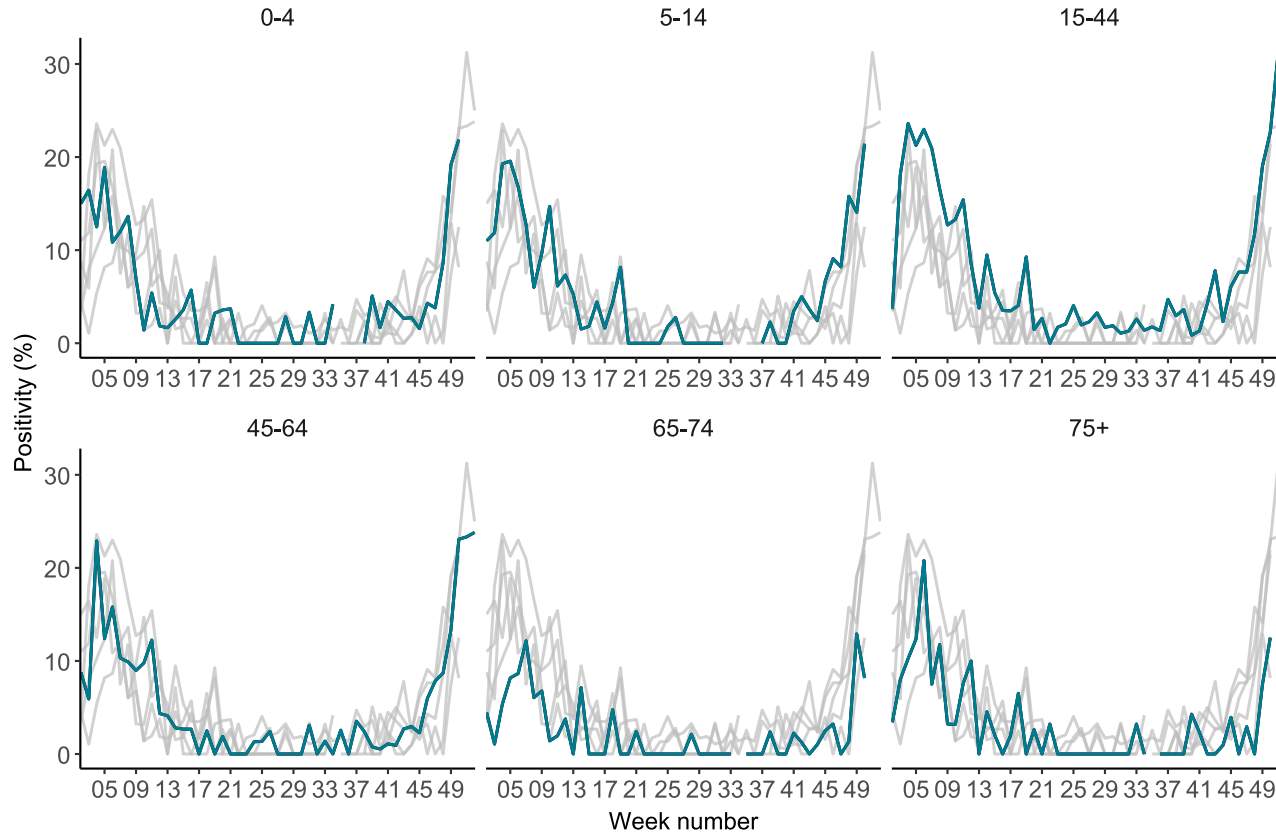


Note: Weeks where fewer than 20 samples were tested in the age group are omitted

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



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

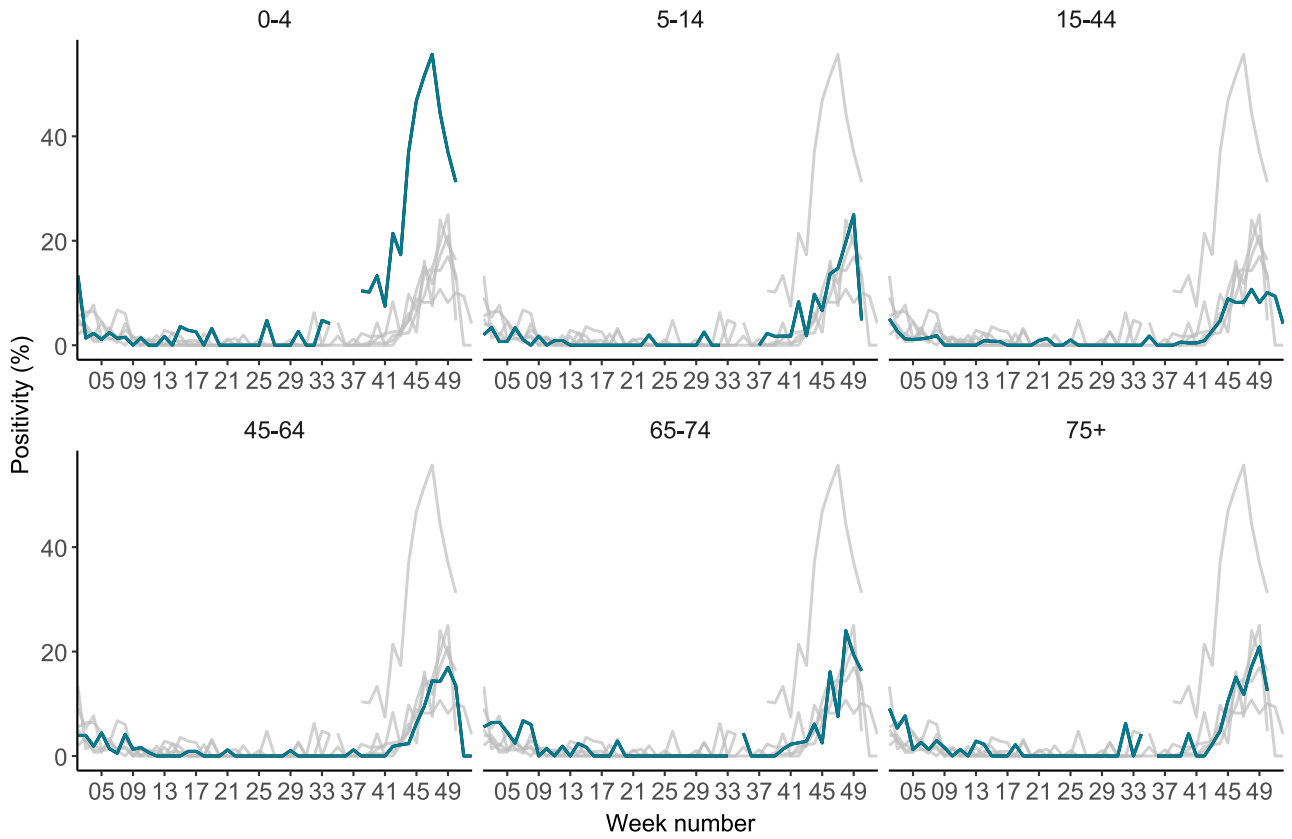


Note: Weeks where fewer than 20 samples were tested in the age group are omitted

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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

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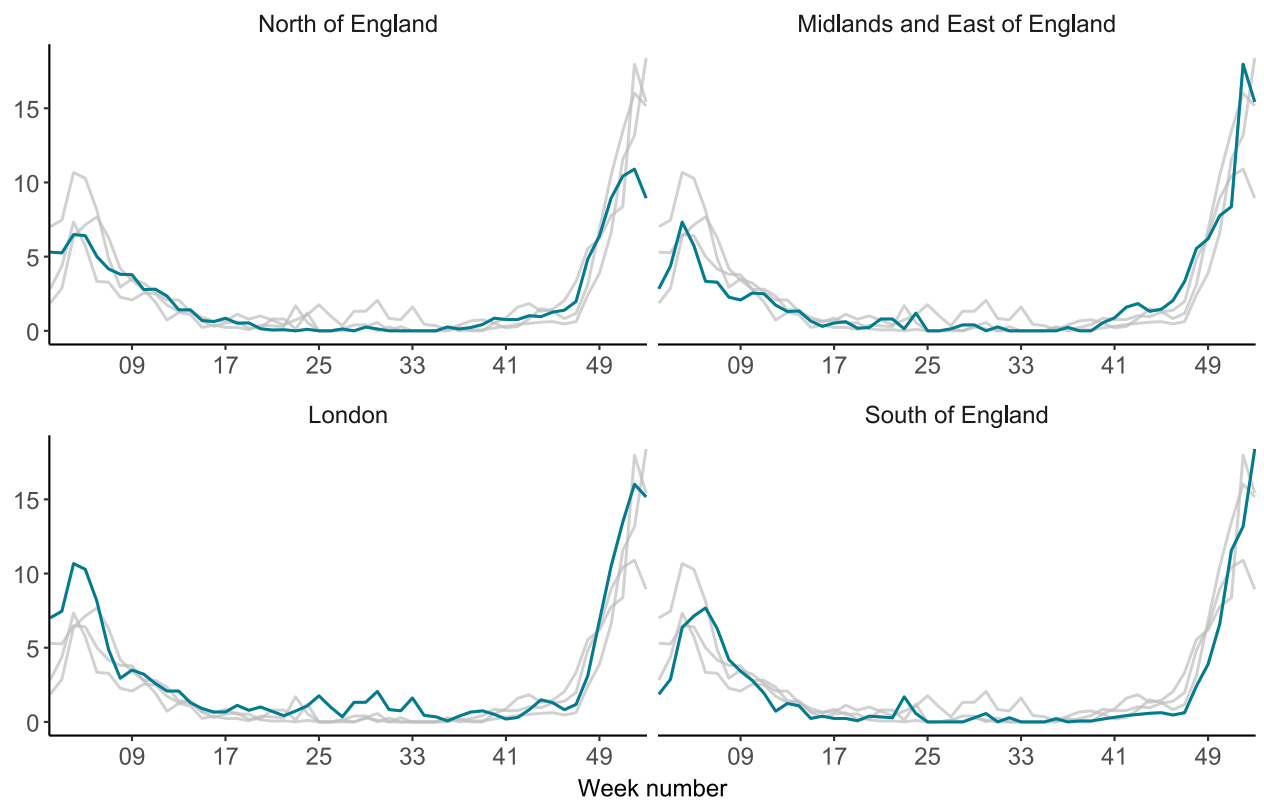


Secondary care surveillance



Weekly influenza hospitalisations per 100,000 trust catchment population by UKHSA region

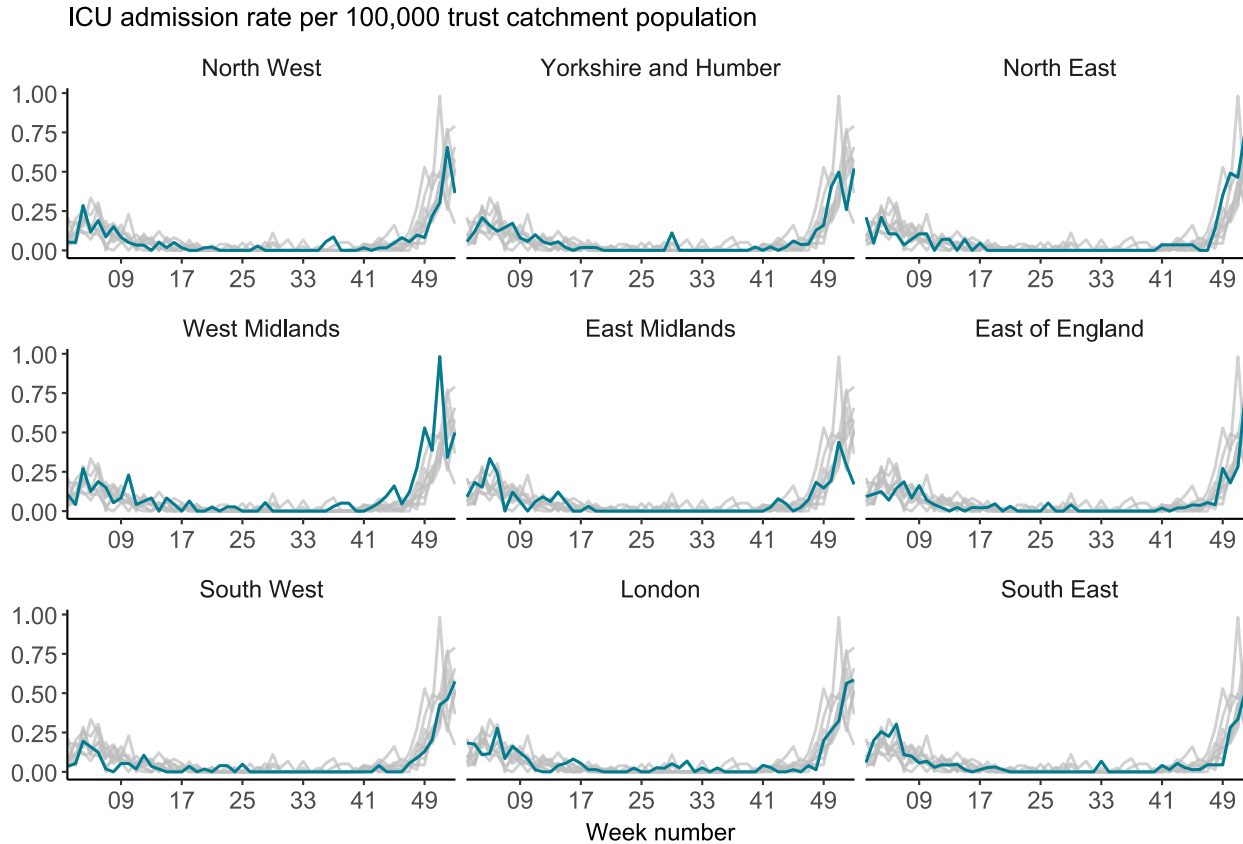
Weekly Hospitalisation rate per 100,000 trust catchment population



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



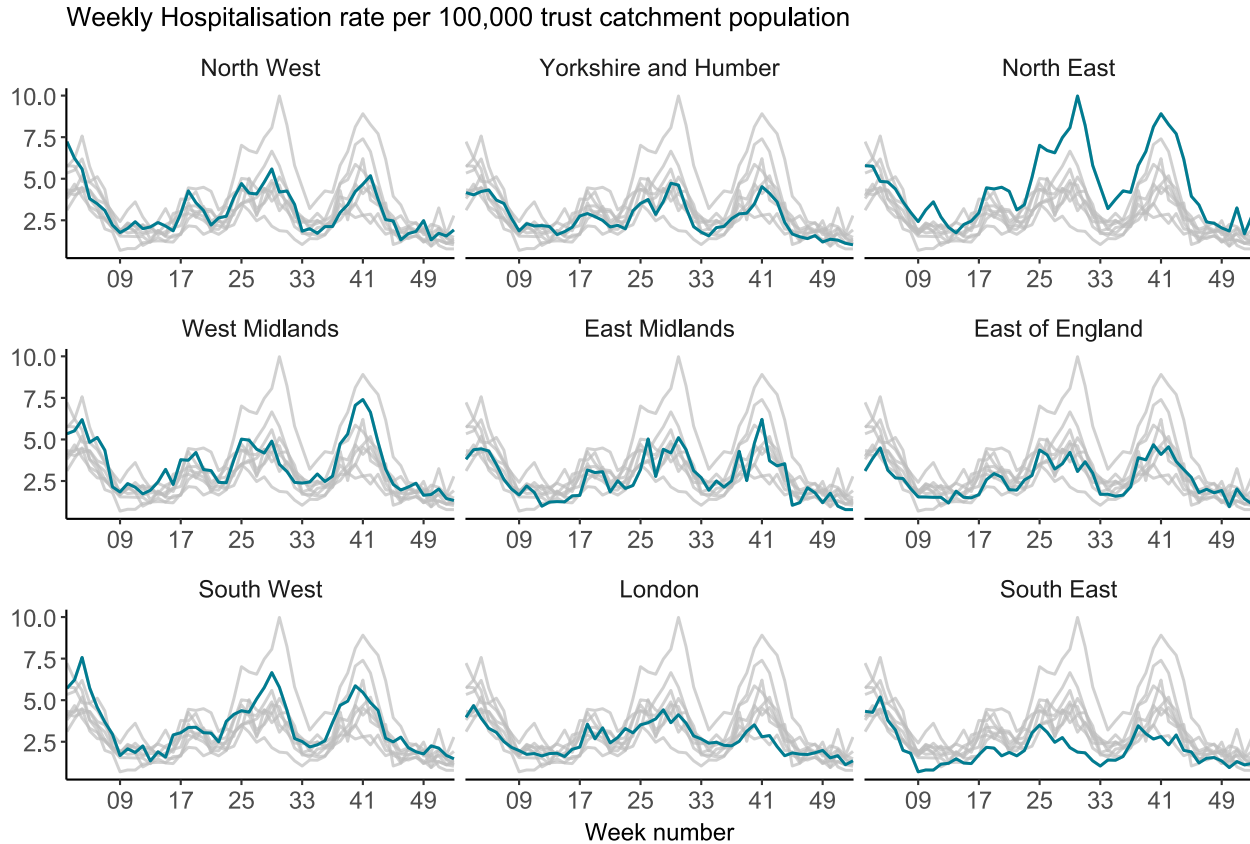
Weekly influenza ICU or HDU admissions per 100,000 trust catchment population by UKHSA region



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



Weekly COVID-19 hospitalisations per 100,000 trust catchment population by UKHSA region

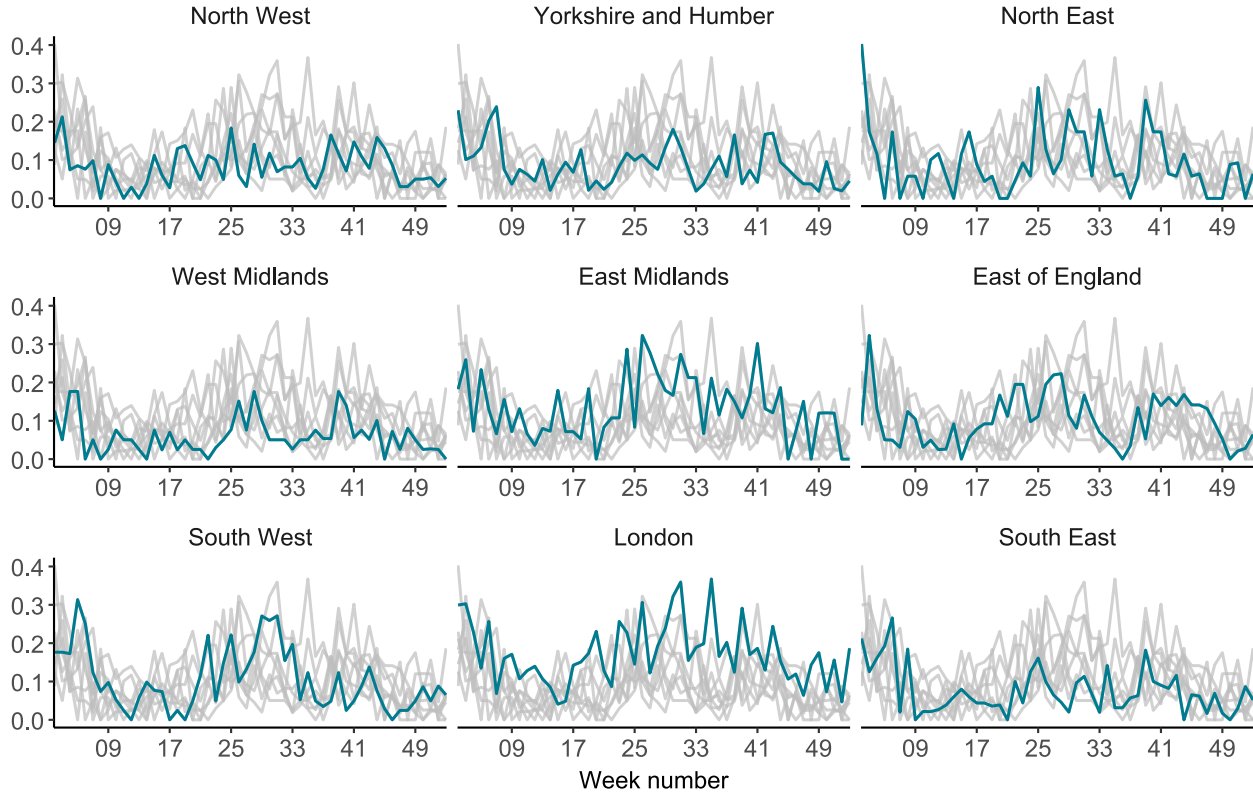


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Weekly COVID-19 ICU or HDU admissions per 100,000 trust catchment population by UKHSA region

ICU admission 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

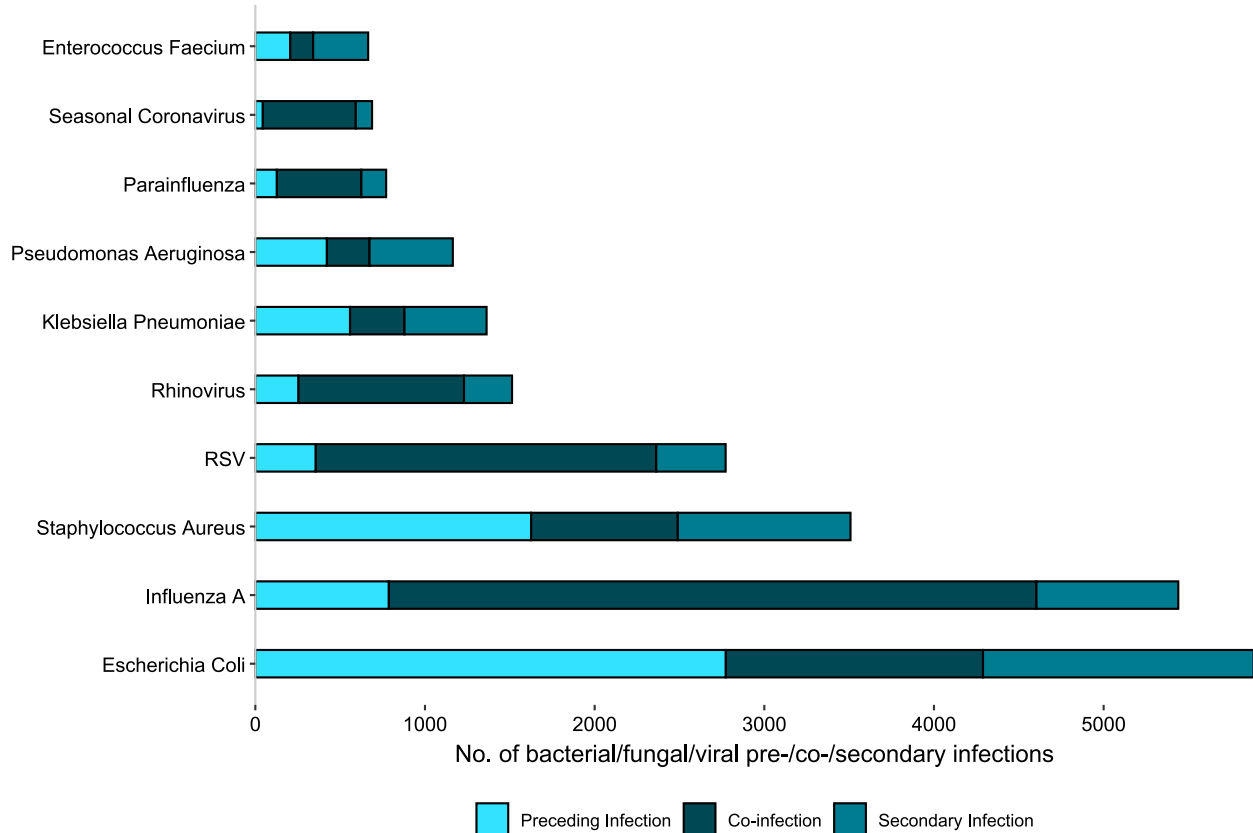


HCAI, Fungal, AMR, AMU & Sepsis Division

Preceding, co- and secondary infections in persons with COVID- 19 and influenza in England, July 2022 – 6 January 2025

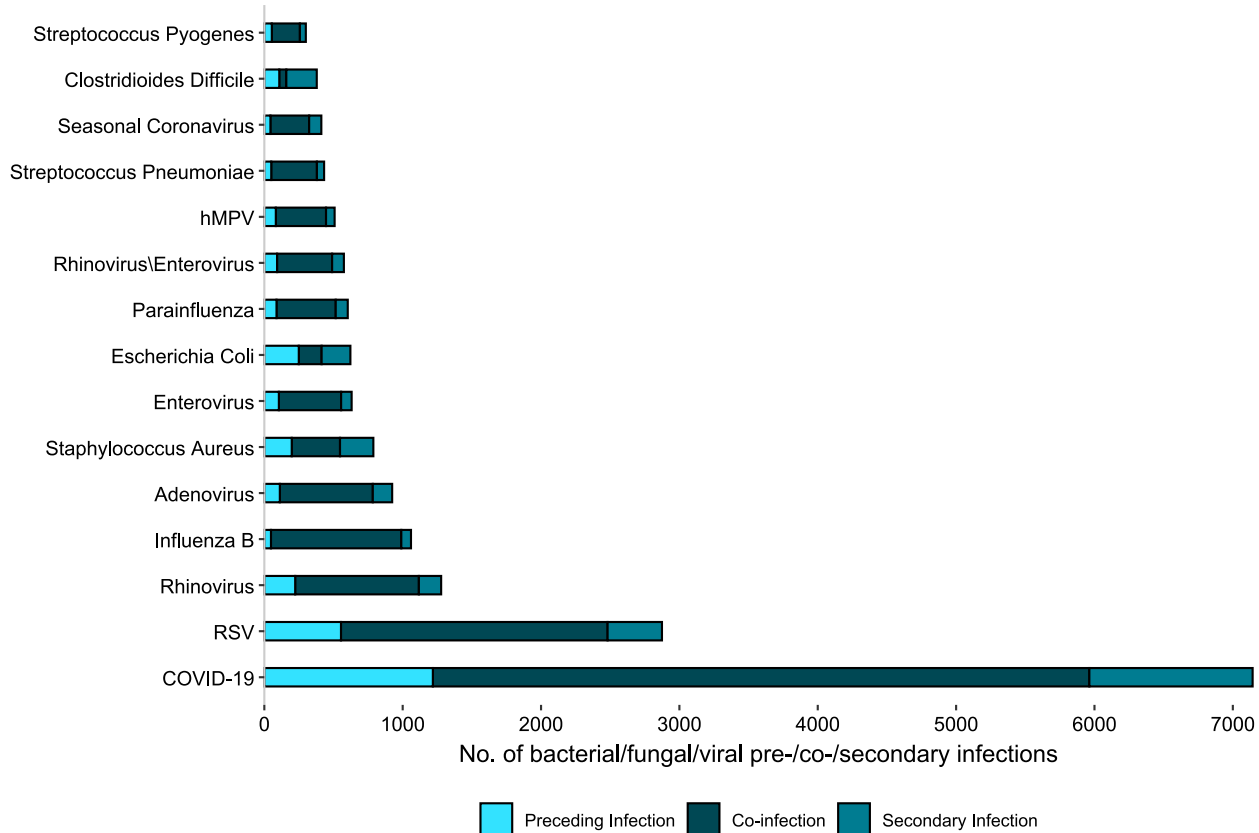


Most frequent bacterial, fungal, and viral specimens, by timing of diagnosis, in persons with COVID-19 in England from ISO week 27 of 2022





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



*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.