GP OOHSS
GP Out-of-Hours Surveillance System: England

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Key messages

Data to: **08 August 2021**

During week 31, GP out of hours contacts for respiratory and gastrointestinal disease remained stable or decreased but are still above seasonally expected levels.

Baselines have been remodelled to account for changes due to COVID-19 and additional, new modelled lines have been added to the charts to represent expected levels if COVID-19 had not occurred.

A Heat-Health Watch system operates in England from 1 June to 15 September each year. As part of the Heatwave Plan for England, the PHE Real-time Syndromic Surveillance team will be routinely monitoring the public health impact of hot weather using syndromic surveillance data during this period. Heat-health watch level (current reporting week): **Level 1:Summer preparedness**
http://www.metoffice.gov.uk/weather/uk/heathealth/

Syndromic indicators at a glance:

Key indicator	Current trend*	Level
Acute respiratory infection	no trend	above baseline
Influenza-like illness	no trend	above baseline
Bronchitis/bronchiolitis	decreasing	above baseline
Difficulty breathing/wheeze/asthma	no trend	above baseline
Pharyngitis	no trend	above baseline
Gastroenteritis	decreasing	above baseline
Diarrhoea	decreasing	similar to baseline
Vomiting	no trend	above baseline
Chest pain/myocardial infarction	increasing	below baseline

*Trend: reports on the trend seen over previous weeks.

1: Total out-of-hours contacts:

Daily total number of out-of-hours and unscheduled contacts and 7-day moving average (adjusted for bank holidays).

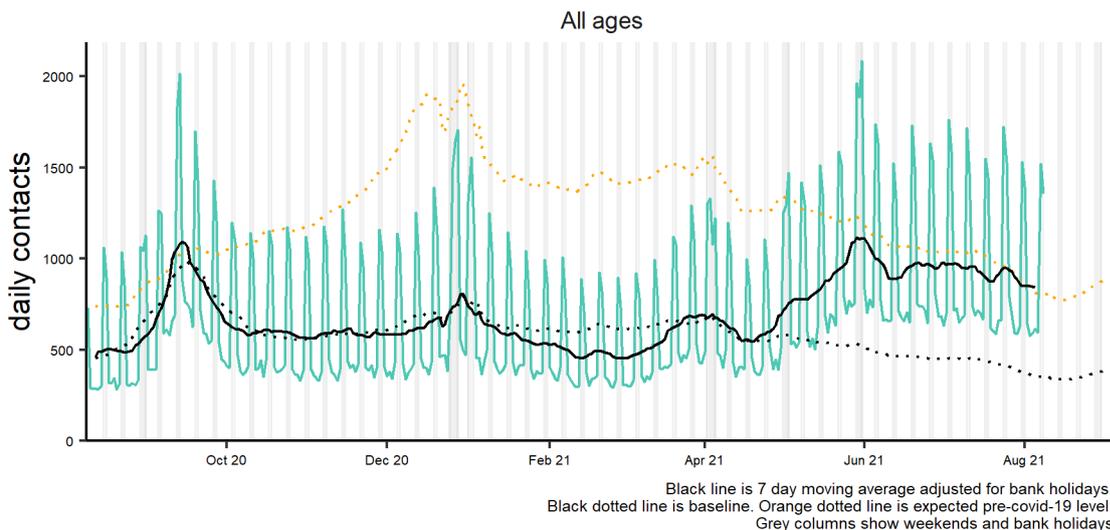### Total contacts 09/08/2020 - 08/08/2021

Black line is 7 day moving average adjusted for bank holidays. Grey columns show weekends and bank holidays.

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2: Acute Respiratory Infection daily contacts.

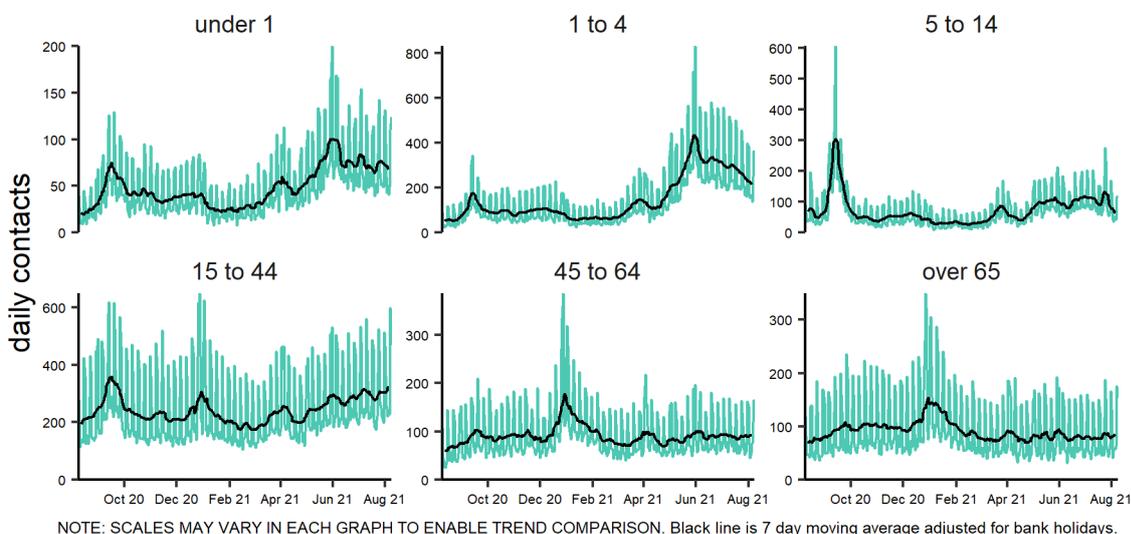Number of out-of-hours and unscheduled contacts and 7-day moving average (adjusted for bank holidays).

Acute respiratory infection 09/08/2020 - 08/08/2021

All ages

Black line is 7 day moving average adjusted for bank holidays.
Black dotted line is baseline. Orange dotted line is expected pre-covid-19 level.
Grey columns show weekends and bank holidays.

2a: Acute Respiratory Infection by age group.

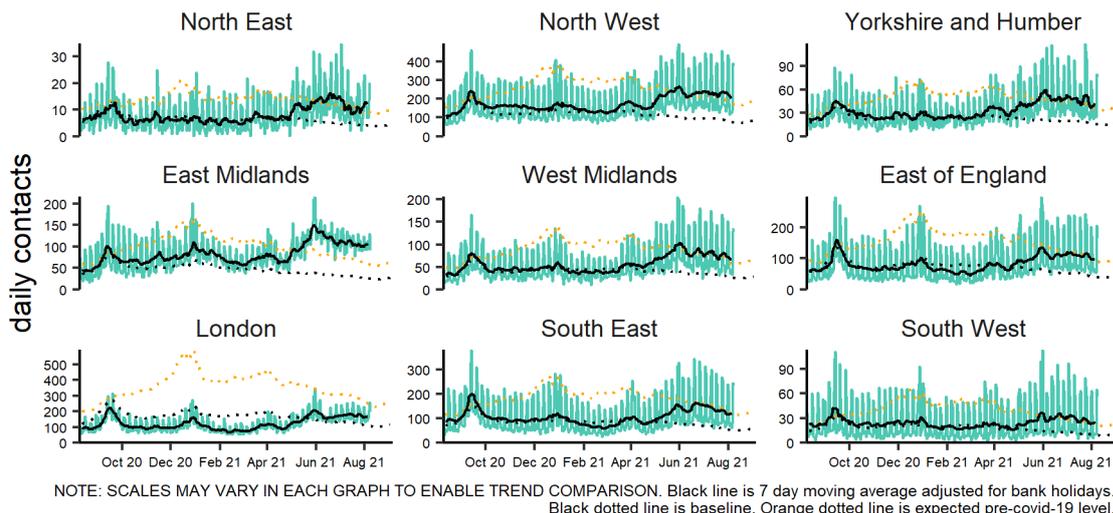Number of out-of-hours and unscheduled contacts and 7-day moving average (adjusted for bank holidays).

Acute respiratory infection by age group (years) 09/08/2020 - 08/08/2021

NOTE: SCALES MAY VARY IN EACH GRAPH TO ENABLE TREND COMPARISON. Black line is 7 day moving average adjusted for bank holidays.

2b: Acute Respiratory Infection by PHE centre.

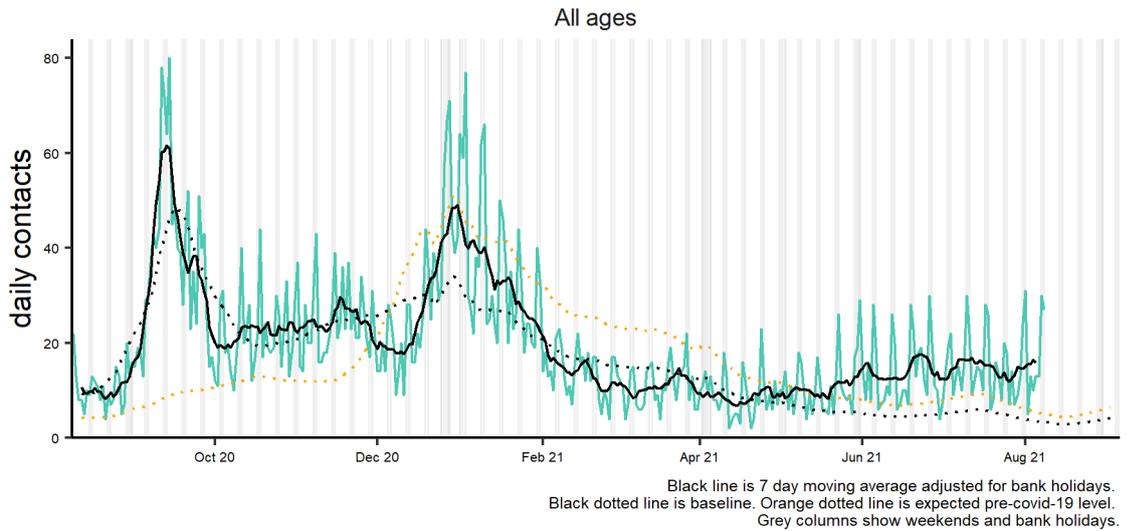Number of out-of-hours and unscheduled contacts and 7-day moving average (adjusted for bank holidays).

Acute respiratory infection by PHE centre 09/08/2020 - 08/08/2021

NOTE: SCALES MAY VARY IN EACH GRAPH TO ENABLE TREND COMPARISON. Black line is 7 day moving average adjusted for bank holidays.
Black dotted line is baseline. Orange dotted line is expected pre-covid-19 level.

3: Influenza-like illness daily contacts.

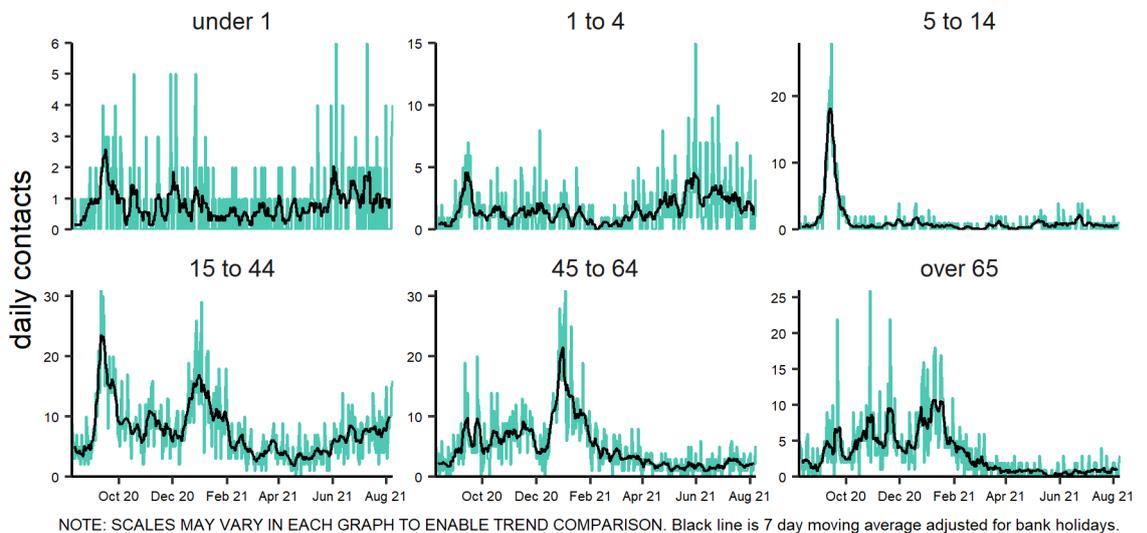Number of out-of-hours and unscheduled contacts and 7-day moving average (adjusted for bank holidays).

Influenza-like illness 09/08/2020 - 08/08/2021

All ages

Black line is 7 day moving average adjusted for bank holidays.
Black dotted line is baseline. Orange dotted line is expected pre-covid-19 level.
Grey columns show weekends and bank holidays.

3a: Influenza-like illness by age group.

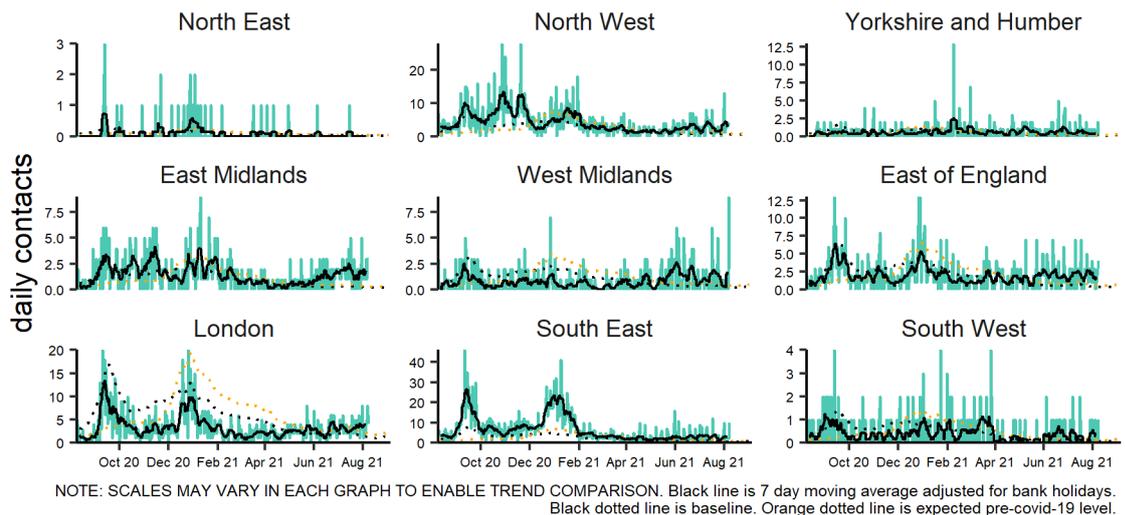Number of out-of-hours and unscheduled contacts and 7-day moving average (adjusted for bank holidays).

Influenza-like illness by age group (years) 09/08/2020 - 08/08/2021

NOTE: SCALES MAY VARY IN EACH GRAPH TO ENABLE TREND COMPARISON. Black line is 7 day moving average adjusted for bank holidays.

2b: Influenza-like illness by PHE centre.

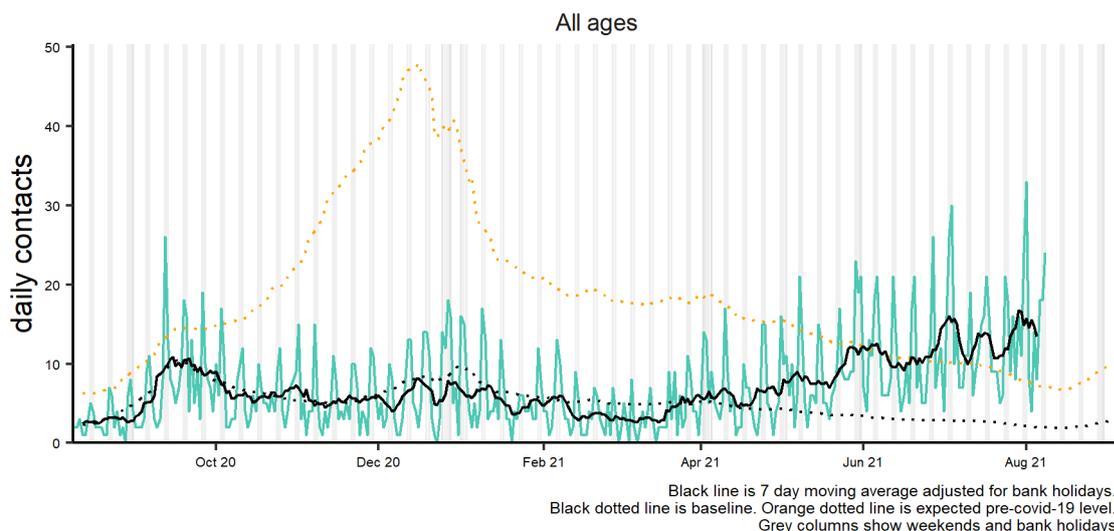Number of out-of-hours and unscheduled contacts and 7-day moving average (adjusted for bank holidays).

Influenza-like illness by PHE centre 09/08/2020 - 08/08/2021

NOTE: SCALES MAY VARY IN EACH GRAPH TO ENABLE TREND COMPARISON. Black line is 7 day moving average adjusted for bank holidays.
Black dotted line is baseline. Orange dotted line is expected pre-covid-19 level.

4: Bronchitis/ bronchiolitis daily contacts.

Number of out-of-hours and unscheduled contacts and 7-day moving average (adjusted for bank holidays).
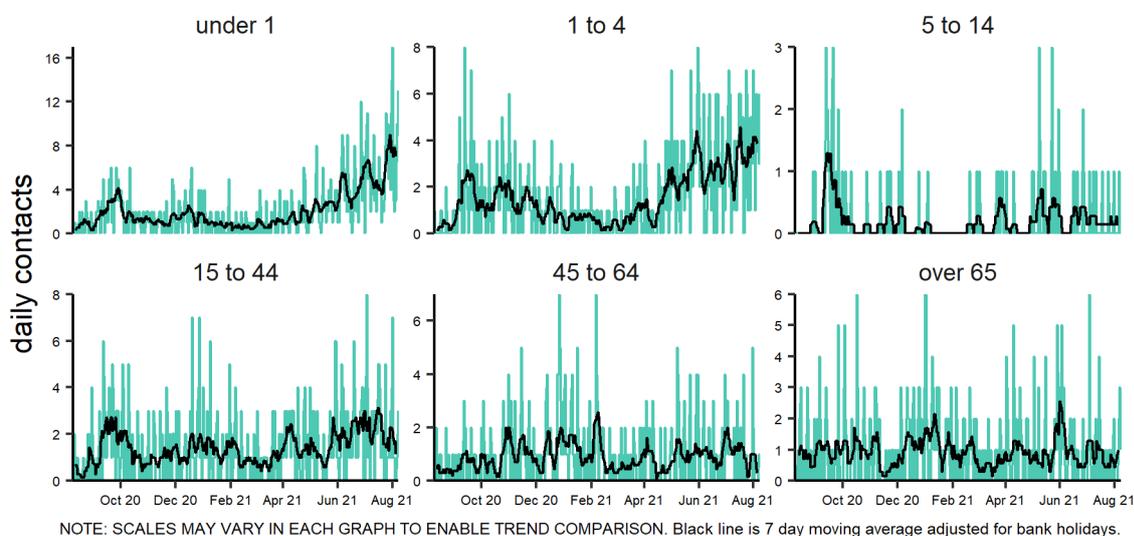
Acute bronchitis 09/08/2020 - 08/08/2021

All ages

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Black dotted line is baseline. Orange dotted line is expected pre-covid-19 level.
Grey columns show weekends and bank holidays.

4a: Bronchitis/ bronchiolitis daily contacts by age group.

Number of out-of-hours and unscheduled contacts and 7-day moving average (adjusted for bank holidays).
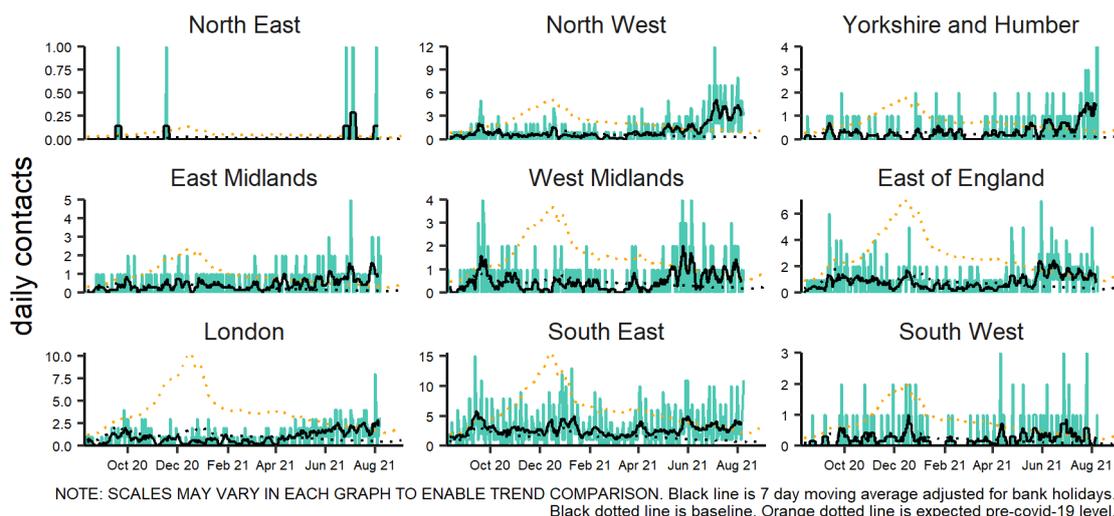
Acute bronchitis by age group (years) 09/08/2020 - 08/08/2021

NOTE: SCALES MAY VARY IN EACH GRAPH TO ENABLE TREND COMPARISON. Black line is 7 day moving average adjusted for bank holidays.

4b: Bronchitis/ bronchiolitis daily contacts by PHE centre.

Number of out-of-hours and unscheduled contacts and 7-day moving average (adjusted for bank holidays).

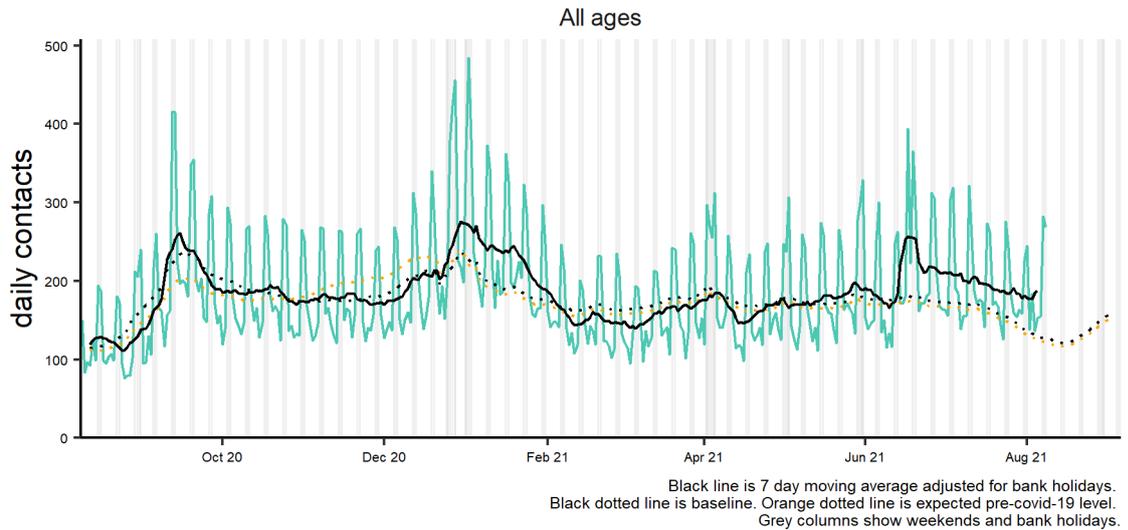### Acute bronchitis by PHE centre 09/08/2020 - 08/08/2021

NOTE: SCALES MAY VARY IN EACH GRAPH TO ENABLE TREND COMPARISON. Black line is 7 day moving average adjusted for bank holidays.
Black dotted line is baseline. Orange dotted line is expected pre-covid-19 level.

5: Difficulty breathing/ wheeze/asthma daily contacts.

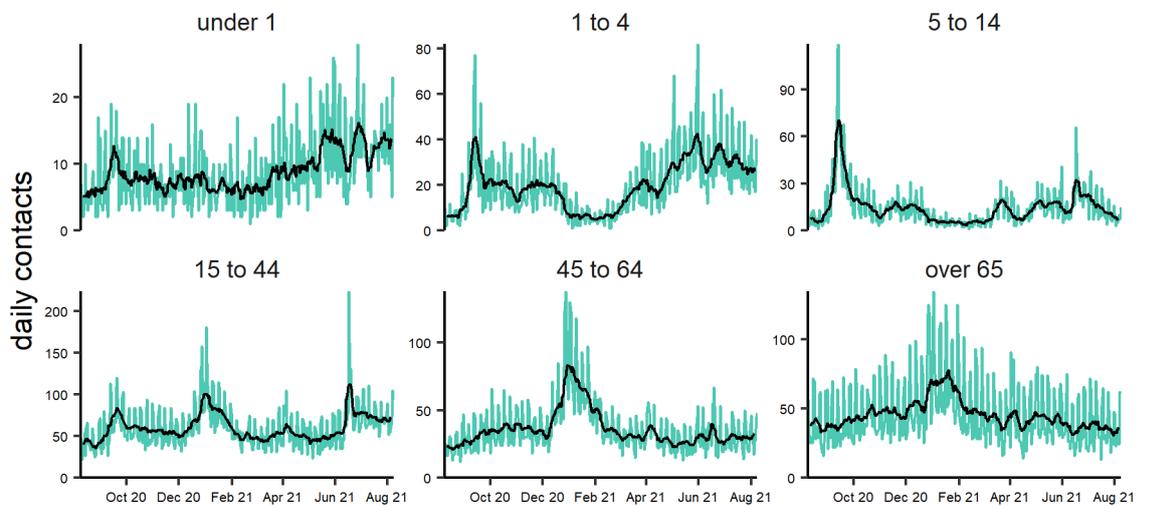Number of out-of-hours and unscheduled contacts and 7-day moving average (adjusted for bank holidays).

Difficulty breathing, wheeze or asthma 09/08/2020 - 08/08/2021

All ages

Black line is 7 day moving average adjusted for bank holidays.
Black dotted line is baseline. Orange dotted line is expected pre-covid-19 level.
Grey columns show weekends and bank holidays.

5a: Difficulty breathing/wheeze/ asthma daily contacts by age group.

Number of out-of-hours and unscheduled contacts and 7-day moving average (adjusted for bank holidays).

Difficulty breathing, wheeze or asthma by age group (years) 09/08/2020 - 08/08/2021

NOTE: SCALES MAY VARY IN EACH GRAPH TO ENABLE TREND COMPARISON. Black line is 7 day moving average adjusted for bank holidays.

5b: Difficulty breathing/wheeze/ asthma daily contacts by PHE centre.

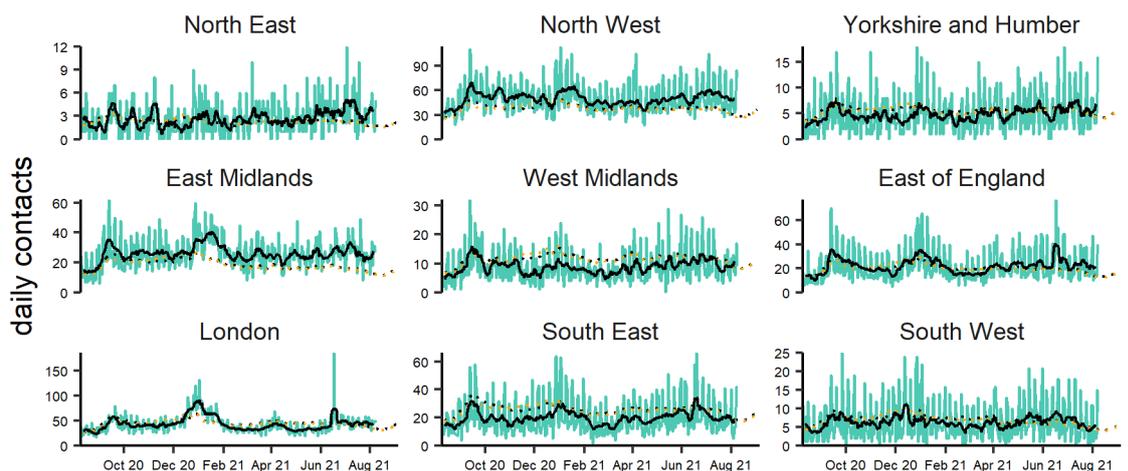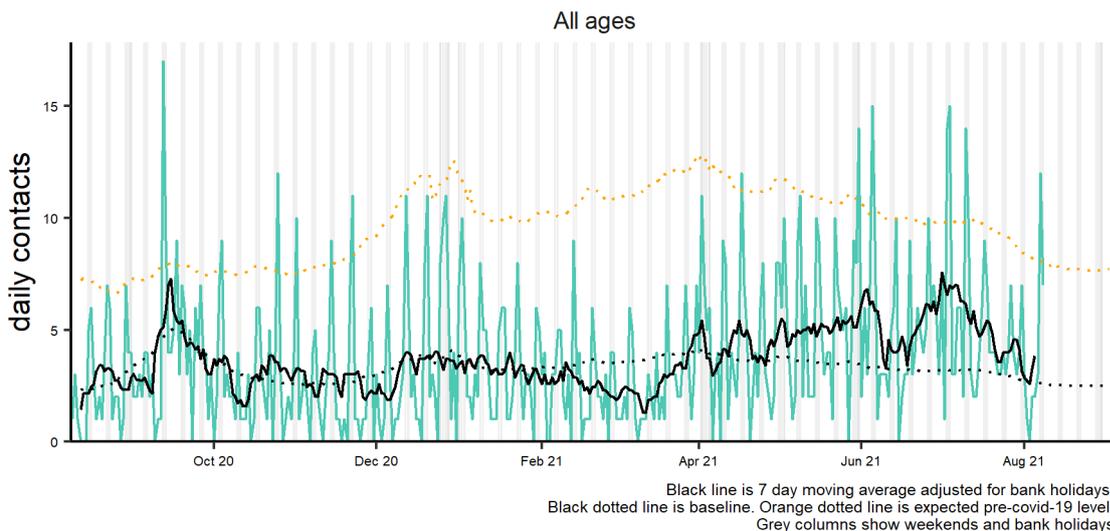Number of out-of-hours and unscheduled contacts and 7-day moving average (adjusted for bank holidays).

Difficulty breathing, wheeze or asthma by PHE centre 09/08/2020 - 08/08/2021

NOTE: SCALES MAY VARY IN EACH GRAPH TO ENABLE TREND COMPARISON. Black line is 7 day moving average adjusted for bank holidays.
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6: Acute pharyngitis and persistent sore throat.

Number of out-of-hours and unscheduled contacts and 7-day moving average (adjusted for bank holidays).
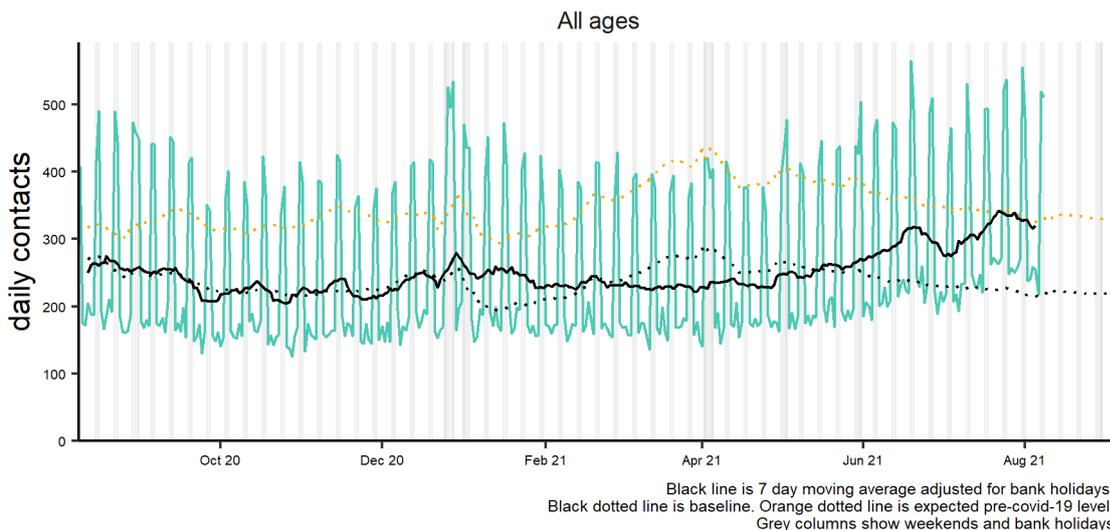
Pharyngitis or scarlet fever 09/08/2020 - 08/08/2021

All ages

Black line is 7 day moving average adjusted for bank holidays.
Black dotted line is baseline. Orange dotted line is expected pre-covid-19 level.
Grey columns show weekends and bank holidays.

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7: Gastroenteritis daily contacts

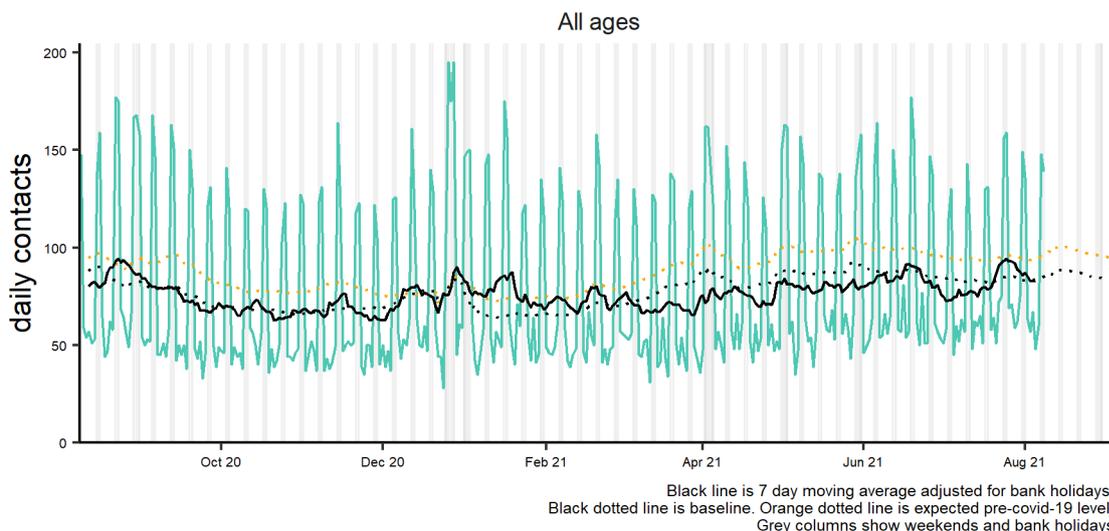Number of out-of-hours and unscheduled contacts and 7-day moving average (adjusted for bank holidays).

Gastroenteritis 09/08/2020 - 08/08/2021

All ages

Black line is 7 day moving average adjusted for bank holidays.
Black dotted line is baseline. Orange dotted line is expected pre-covid-19 level.
Grey columns show weekends and bank holidays.

8: Diarrhoea daily contacts.

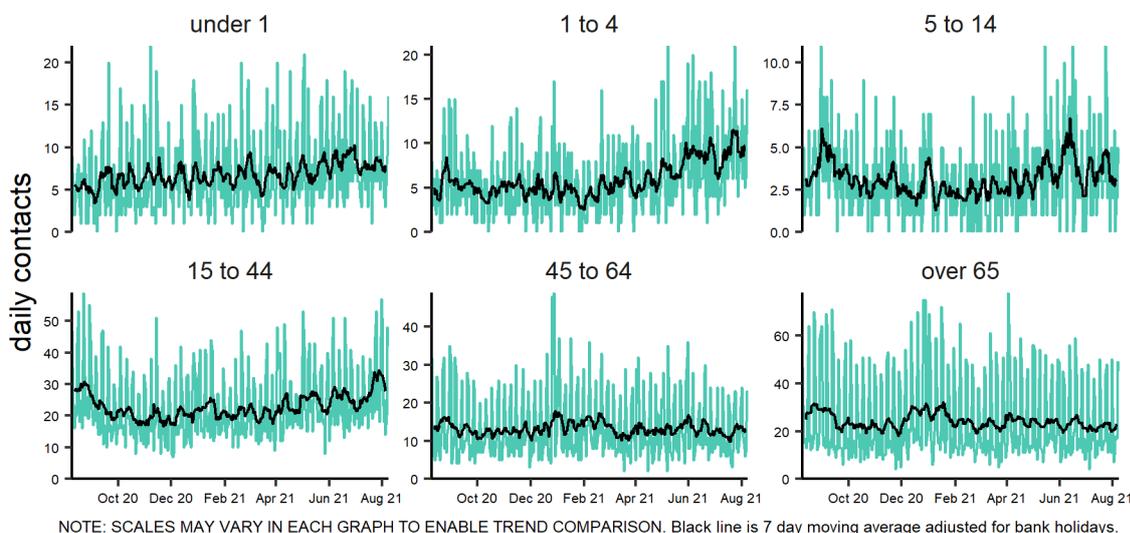Number of out-of-hours and unscheduled contacts and 7-day moving average (adjusted for bank holidays).

Diarrhoea 09/08/2020 - 08/08/2021

All ages

Black line is 7 day moving average adjusted for bank holidays.
Black dotted line is baseline. Orange dotted line is expected pre-covid-19 level.
Grey columns show weekends and bank holidays.

8a: Diarrhoea daily contacts by age group*.

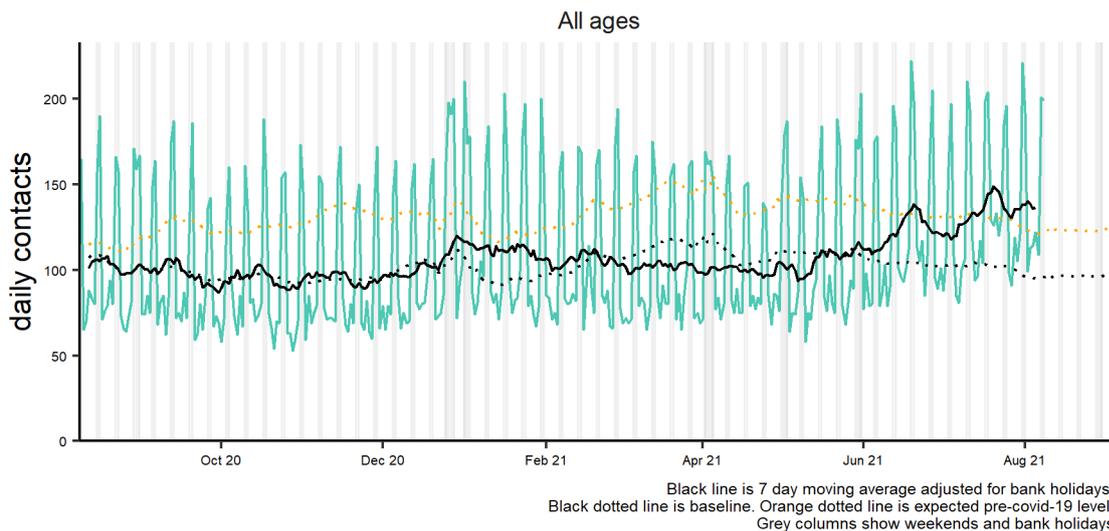Number of out-of-hours and unscheduled contacts and 7-day moving average (adjusted for bank holidays).

Diarrhoea by age group (years) 09/08/2020 - 08/08/2021

under 1   1 to 4   5 to 14

15 to 44   45 to 64   over 65

NOTE: SCALES MAY VARY IN EACH GRAPH TO ENABLE TREND COMPARISON. Black line is 7 day moving average adjusted for bank holidays.

9: Vomiting daily contacts.

Number of out-of-hours and unscheduled contacts and 7-day moving average (adjusted for bank holidays).
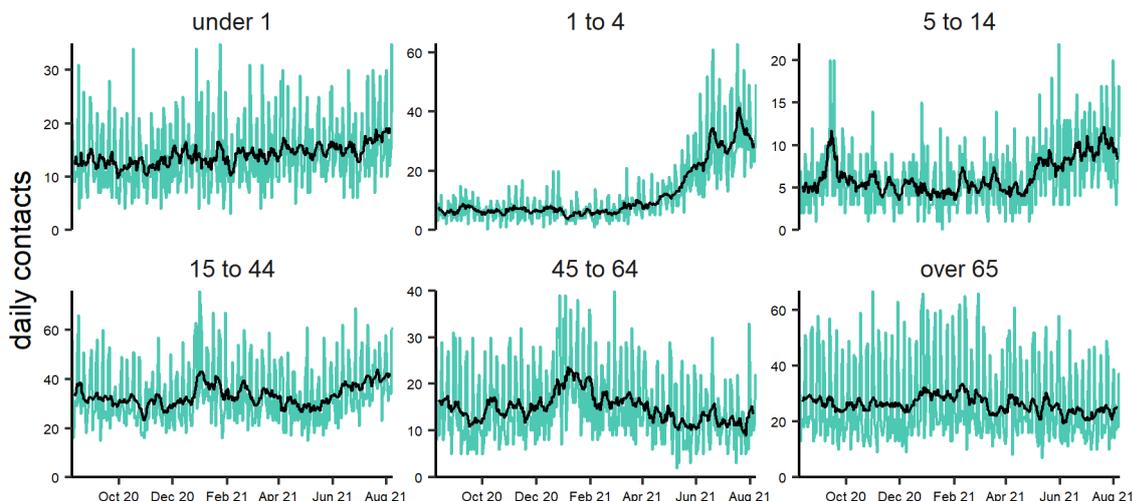
Vomiting 09/08/2020 - 08/08/2021

All ages

Black line is 7 day moving average adjusted for bank holidays.
Black dotted line is baseline. Orange dotted line is expected pre-covid-19 level.
Grey columns show weekends and bank holidays.

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Public Health
England

9a: Vomiting daily contacts by age group*.

Number of out-of-hours and unscheduled contacts and 7-day moving average (adjusted for bank holidays).
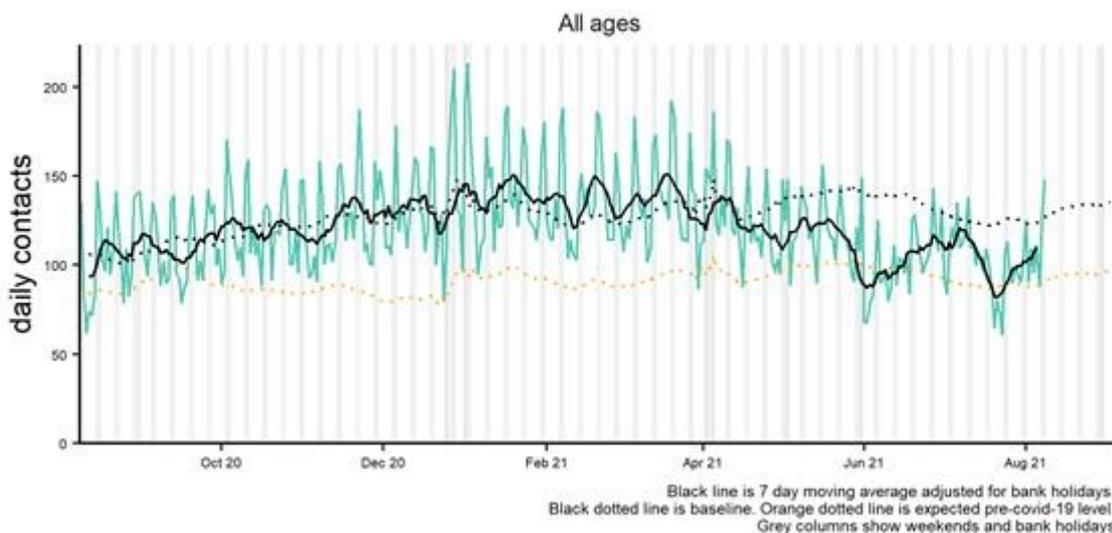
Vomiting by age group (years) 09/08/2020 - 08/08/2021

NOTE: SCALES MAY VARY IN EACH GRAPH TO ENABLE TREND COMPARISON. Black line is 7 day moving average adjusted for bank holidays.

10: Chest pain/ myocardial infarction daily contacts.

Number of out-of-hours and unscheduled contacts and 7-day moving average (adjusted for bank holidays).

Chest pain 09/08/2020 - 08/08/2021

All ages

Black line is 7 day moving average adjusted for bank holidays.
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Grey columns show weekends and bank holidays.

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GP OOHSS

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Notes and caveats:	• This bulletin presents data from the Public Health England (PHE) GP Out-of-hours\Unscheduled Care Surveillance System (GP OOHSS). • Fully anonymised data from GP out-of-hours (OOH) and unscheduled care service providers in England are being transferred to PHE for analysis and interpretation by the PHE Real-time Syndromic Surveillance Team (ReSST). • This system supplements existing PHE syndromic surveillance systems by monitoring data on GP consultations outside of routine surgery opening times (evenings, weekends and bank holidays) and unplanned contacts within NHS primary care. • The key indicators presented within this bulletin are derived by grouping selected Read coded consultations. • GP OOH consultation data are analysed on a daily basis to identify national and regional trends. A statistical algorithm underpins each system, routinely identifying activity that has increased significantly or is statistically significantly high for the time of year. Results from these daily analyses are assessed by the ReSST, along with analysis by age group, and anything deemed of public health importance is alerted by the team. • Baselines represent seasonally expected levels of activity and are constructed from historical data since Nov 2009. They take into account any known substantial changes in data collection, population coverage or reporting practices. Gastroenteritis, diarrhoea and vomiting baselines also account for changes since the introduction of rotavirus vaccine in July 2013. • From June 2021, charts are presented showing the **number** of OOH contacts. Baselines have been remodelled to account for changes due to COVID-19 and the orange dotted lines are counter-factual models showing seasonally expected levels if covid-19 had not occurred.
Further information:	The GP Out-of-Hours Surveillance System Bulletin can also be downloaded from the PHE Real-time Syndromic Surveillance website which also contains more information about syndromic surveillance: https://www.gov.uk/government/collections/syndromic-surveillance-systems-and-analyses
Acknowledgements:	We are grateful to Advanced and the GP OOH and unscheduled care service providers who have kindly agreed to participate in this system.

PHE Out-of-Hours/Unscheduled Care Surveillance

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