



24 May 2021

Year: 2021 Week: 20

## In This Issue:

- Key messages.
- Diagnostic indicators at a glance.
- GP practices and denominator population.
- National syndromic indicators.
- Notes and further information.

## Key messages

data to

23/05/2021

During week 20, COVID-19 consultations remained stable overall (figure 1). Consultations for upper respiratory tract infections continued to increase, particularly in children aged 1-4 years (figure 2a), as did lower respiratory tract infection consultations in children aged 1-4 years (figure 6a). Gastroenteritis consultations also increased in children aged 1-4 years (figure 8a).

**Please note: We are developing a new reporting system so that we can provide enhanced GP syndromic surveillance outputs for the 2021/22 influenza season.**

During the COVID-19 pandemic, patients with COVID-19 symptoms are generally advised to initially access a COVID-19 test through the national COVID-19 testing programme. This is likely to result in lower numbers of patients accessing health advice as monitored through syndromic surveillance systems. Syndromic data should therefore be interpreted with some caution and in the context of other COVID-19 monitoring data sources.

Please see 'notes and caveats' for information about the COVID-19-like GPIH syndromic indicator including important caveats around the interpretation of this indicator.

## Diagnostic indicators at a glance:

Indicator	Trend	Level
COVID-19-like	no trend	above baseline levels
Upper respiratory tract infection	increasing	above baseline levels
Influenza-like illness	no trend	similar to baseline levels
Pharyngitis	no trend	above baseline levels
Scarlet fever	no trend	below baseline levels
Lower respiratory tract infection	no trend	above baseline levels
Pneumonia	no trend	similar to baseline levels
Gastroenteritis	increasing	above baseline levels
Vomiting	no trend	above baseline levels
Diarrhoea	no trend	similar to baseline levels
Asthma	no trend	above baseline levels
Conjunctivitis	no trend	similar to baseline levels
Mumps	no trend	similar to baseline levels
Measles	no trend	below baseline levels
Whooping cough	no trend	similar to baseline levels
Chickenpox	no trend	similar to baseline levels
Herpes zoster	no trend	similar to baseline levels
Cellulitis	no trend	below baseline levels
Impetigo	no trend	similar to baseline levels
Allergic rhinitis	no trend	below baseline levels

## GP practices and denominator population:

Year	Week	GP Practices Reporting**	Population size**
2021	20	676	6.6 million

\*\*based on the average number of practices and denominator population in the reporting working week.

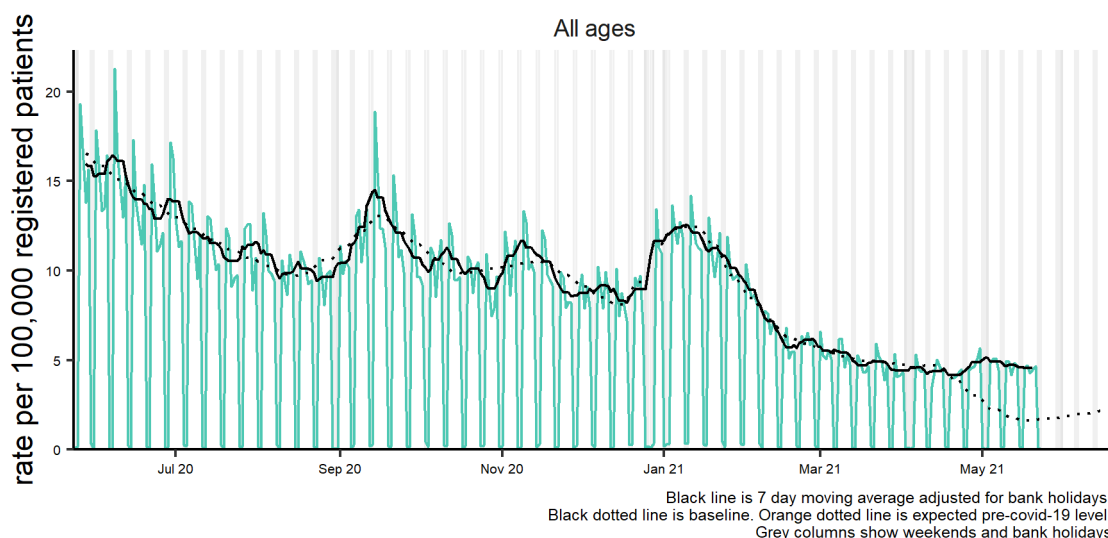
24 May 2021

Year: 2021 Week: 20

## 1. COVID-19-like consultations

Daily incidence rate (and 7-day moving average\*) per 100,000 population (all England, all ages).

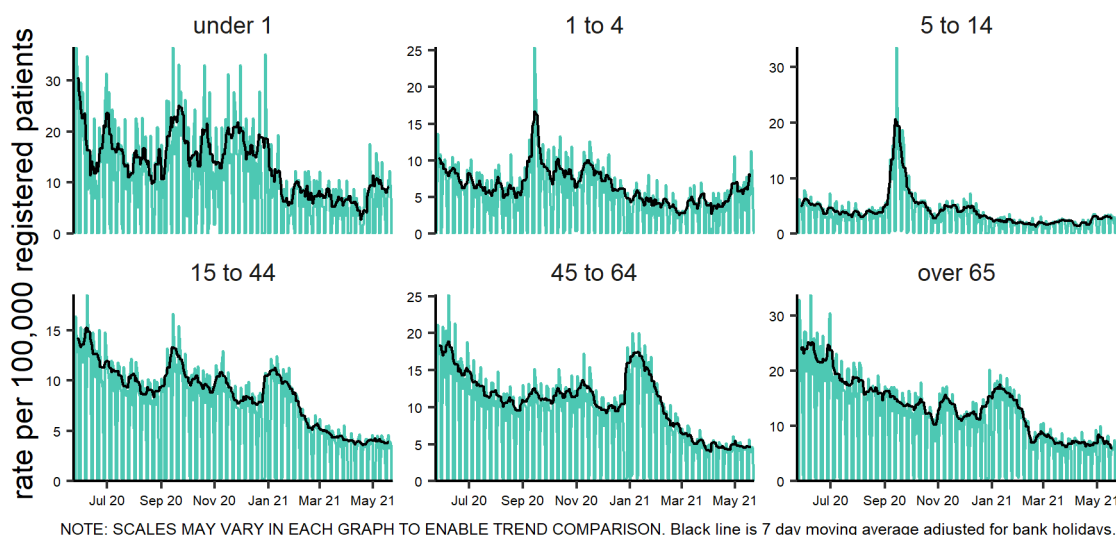
Covid-19-like 24/05/2020 - 23/05/2021



### 1a: COVID-19-like consultations by age group

Daily incidence rate (and 7-day moving average\*) by age group per 100,000 population (all England).

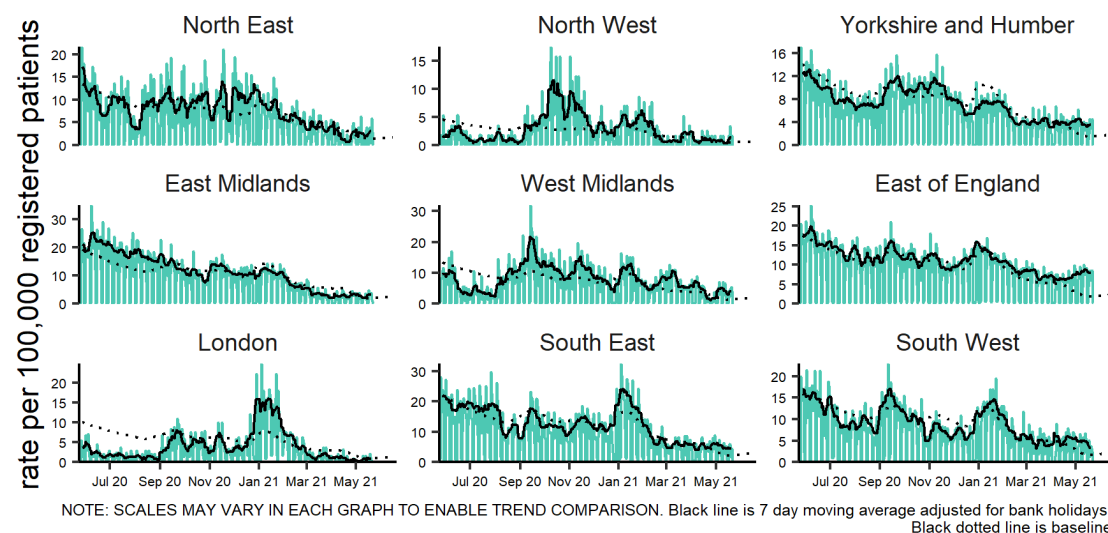
Covid-19-like by age group (years) 24/05/2020 - 23/05/2021



### 1b: COVID-19-like consultations by PHE Centre

Daily incidence rate (and 7-day moving average\*) per 100,000 population (all England).

Covid-19-like by PHE centre 24/05/2020 - 23/05/2021



\* 7-day moving average adjusted for bank holidays.

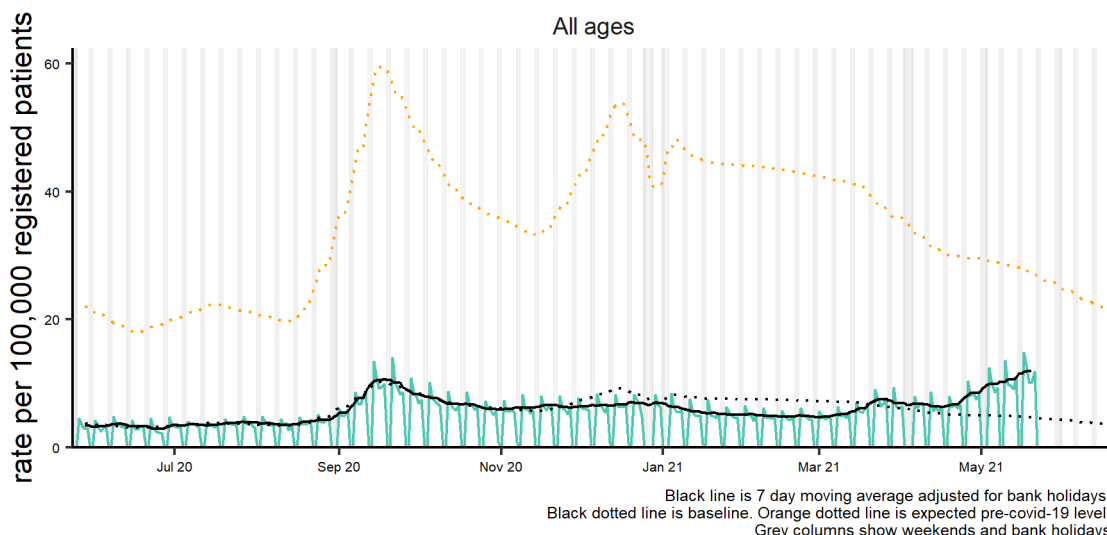
24 May 2021

Year: 2021 Week: 20

## 2: Upper respiratory tract infection (URTI)

Daily incidence rate (and 7-day moving average\*) per 100,000 population (all England, all ages).

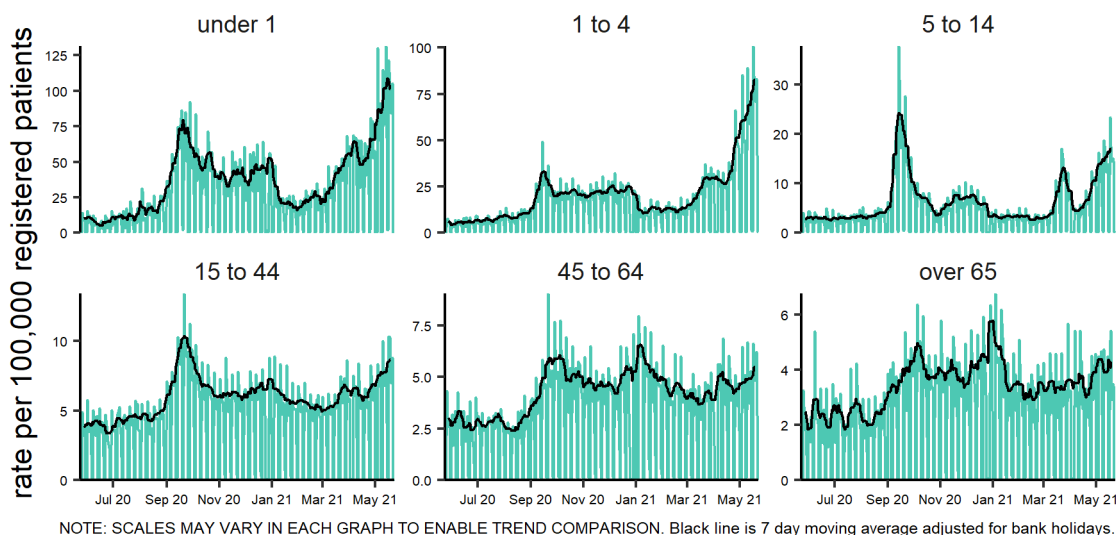
Upper respiratory tract infection 24/05/2020 - 23/05/2021



## 2a: Upper respiratory tract infection (URTI) by age

Daily incidence rate (and 7-day moving average\*) by age group per 100,000 population (all England).

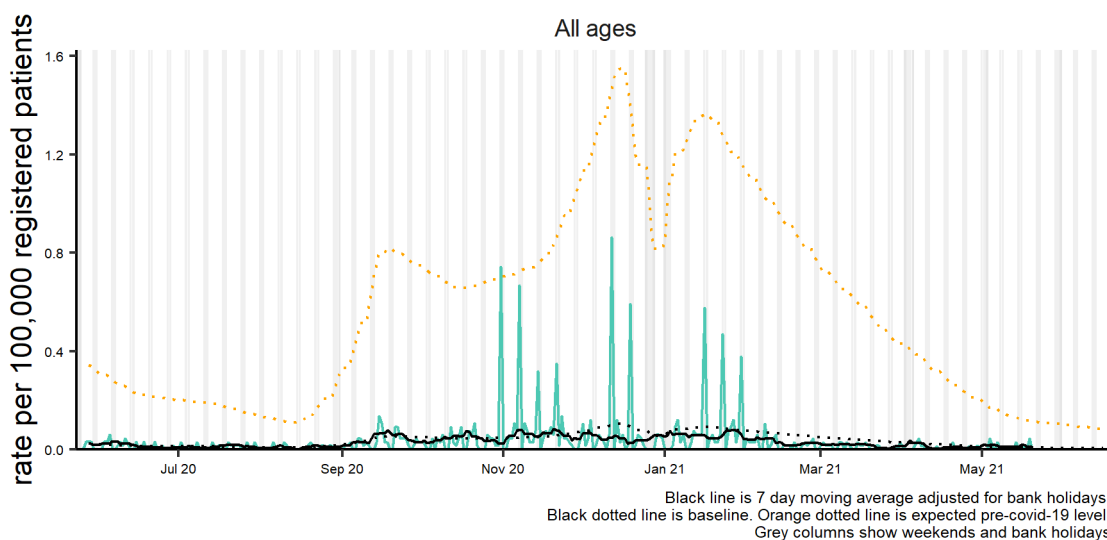
Upper respiratory tract infection by age group (years) 24/05/2020 - 23/05/2021



## 3: Influenza-like illness (ILI)

Daily incidence rates (and 7-day moving average\*) per 100,000 population (all England, all ages).

Influenza-like illness 24/05/2020 - 23/05/2021



\* 7-day moving average adjusted for bank holidays.

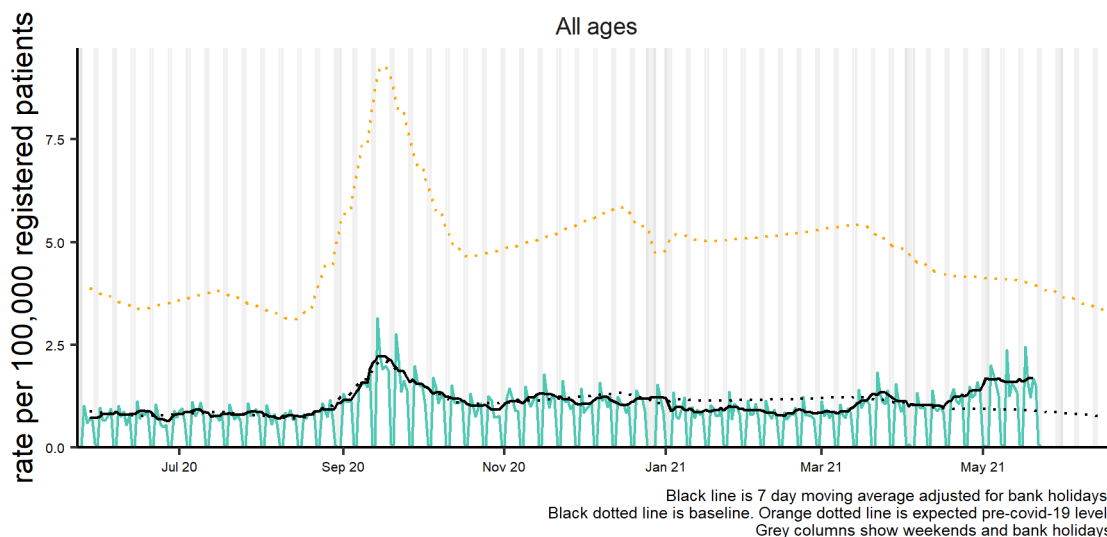
24 May 2021

Year: 2021 Week: 20

## 4: Pharyngitis or scarlet fever

Daily incidence rate (and 7-day moving average\*) per 100,000 population (all England, all ages).

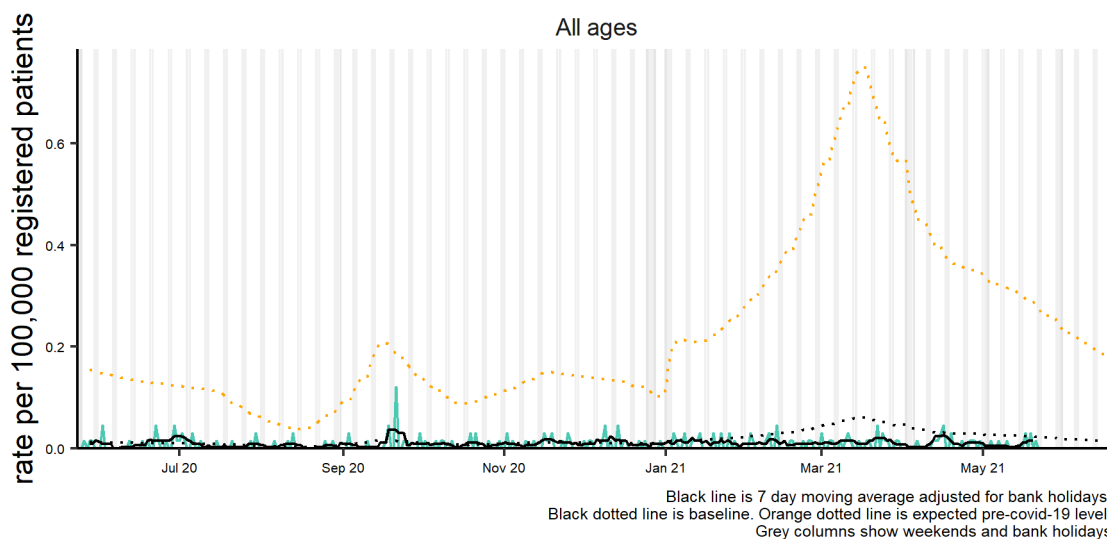
Pharyngitis or scarlet fever 24/05/2020 - 23/05/2021



## 5: Scarlet fever

Daily incidence rate (and 7-day moving average\*) per 100,000 population (all England, all ages).

Scarlet fever 24/05/2020 - 23/05/2021



Intentionally left blank

\* 7-day moving average adjusted for bank holidays.

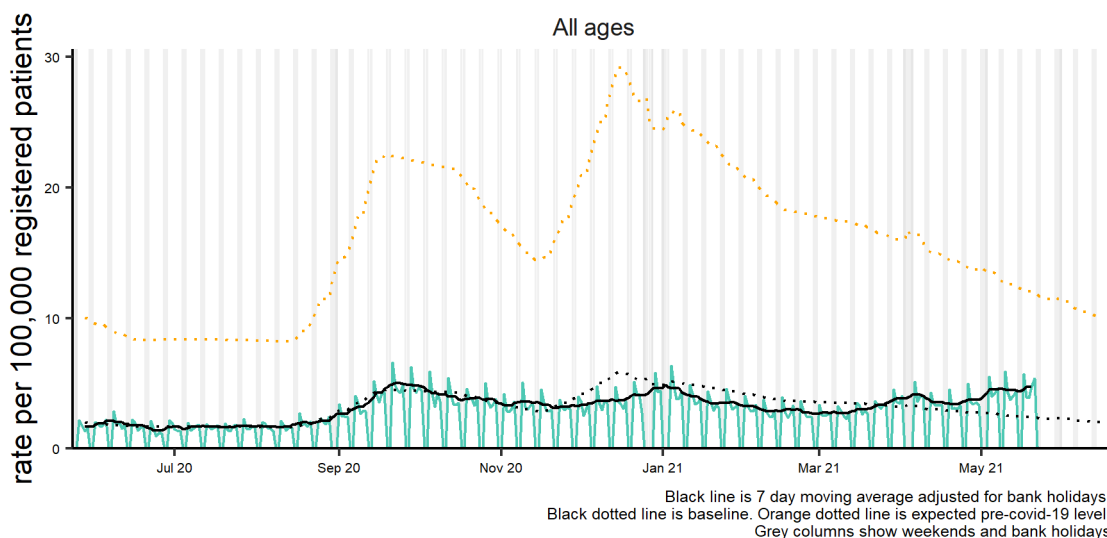
24 May 2021

Year: 2021 Week: 19

## 6: Lower respiratory tract infection (LRTI)

Daily incidence rate (and 7-day moving average\*) per 100,000 population (all England, all ages).

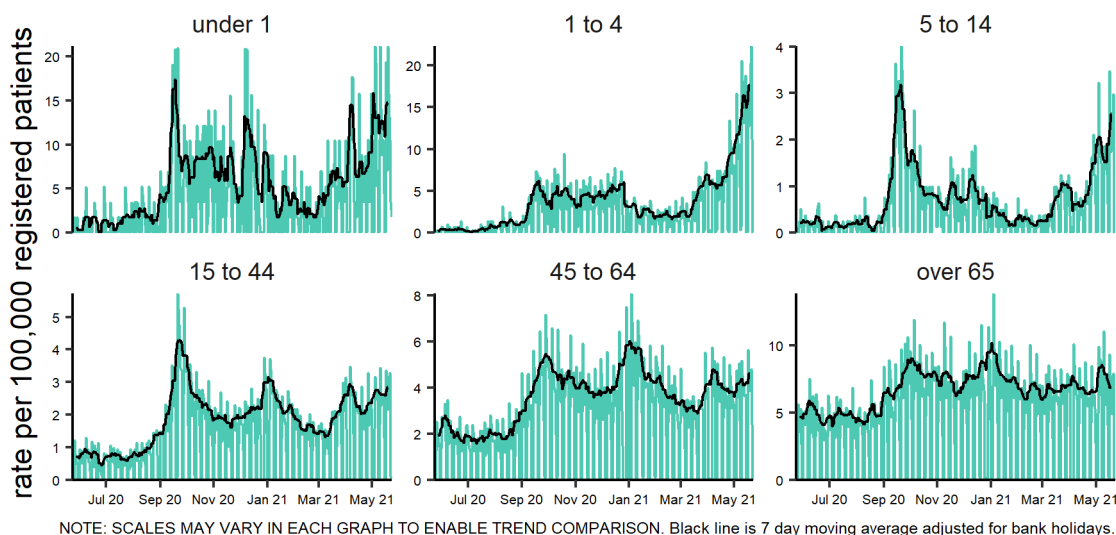
Lower respiratory tract infection 24/05/2020 - 23/05/2021



## 6a: Lower respiratory tract infection (LRTI) by age

Daily incidence rate (and 7-day moving average\*) by age group per 100,000 population (all England).

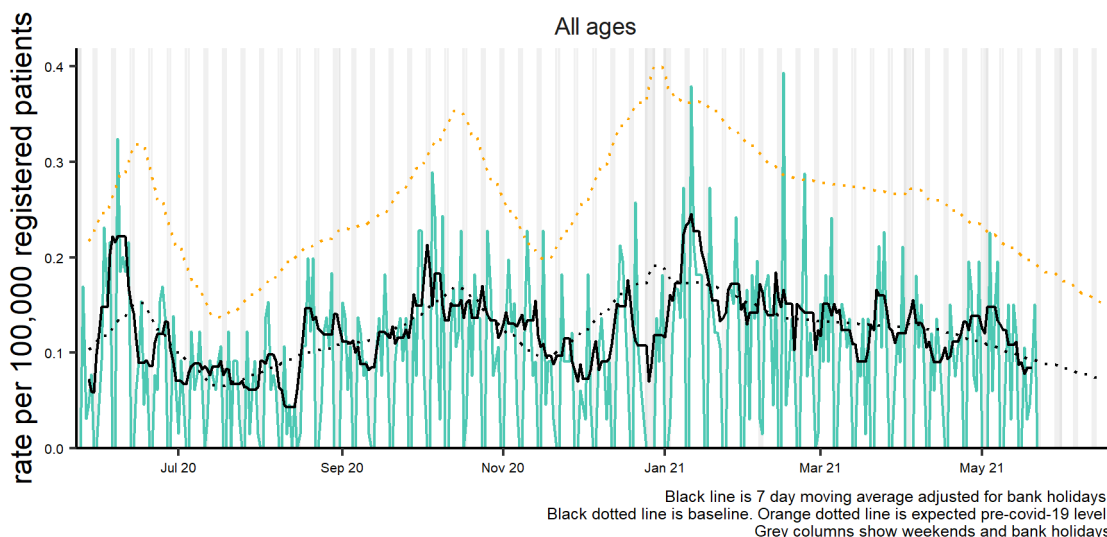
Lower respiratory tract infection by age group (years) 24/05/2020 - 23/05/2021



## 7: Pneumonia

Daily incidence rate (and 7-day moving average\*) per 100,000 population (all England, all ages).

Pneumonia 24/05/2020 - 23/05/2021



\* 7-day moving average adjusted for bank holidays.

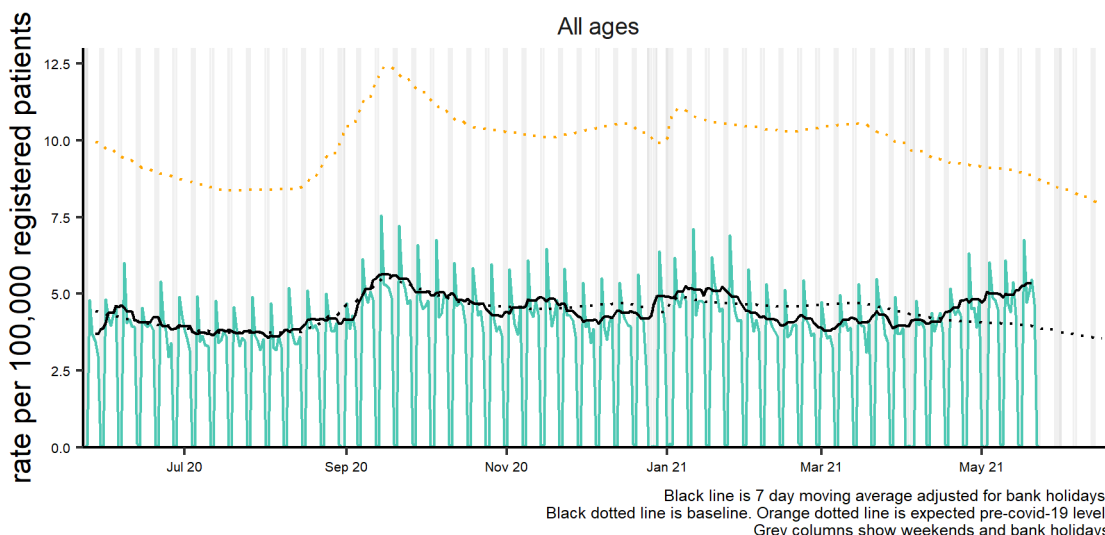
24 May 2021

Year: 2021 Week: 20

## 8: Gastroenteritis

Daily incidence rate (and 7-day moving average\*) per 100,000 population (all England, all ages).

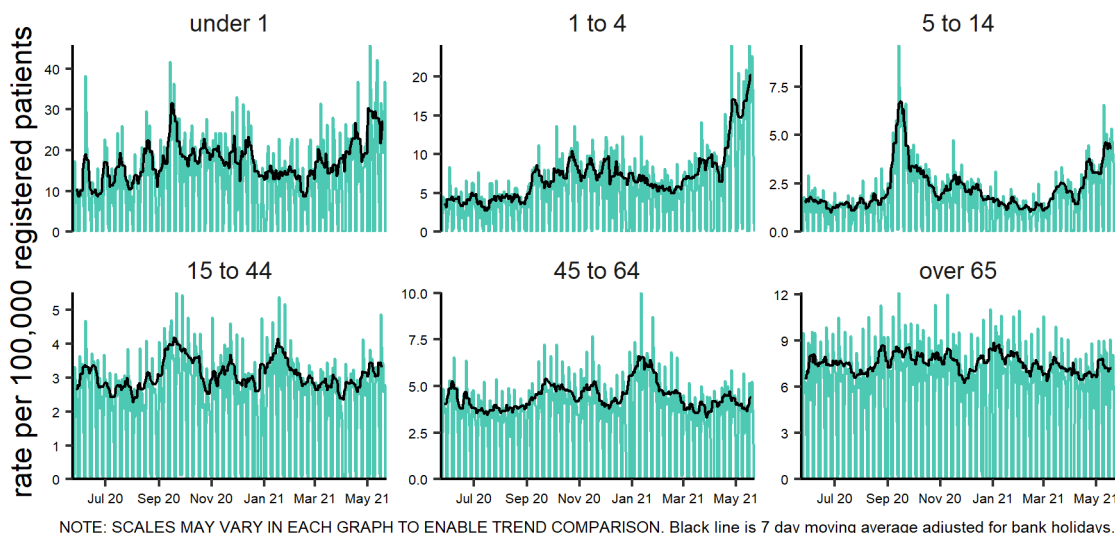
Gastroenteritis 24/05/2020 - 23/05/2021



## 8a: Gastroenteritis by age

Daily incidence rate (and 7-day moving average\*) by age group per 100,000 population (all England).

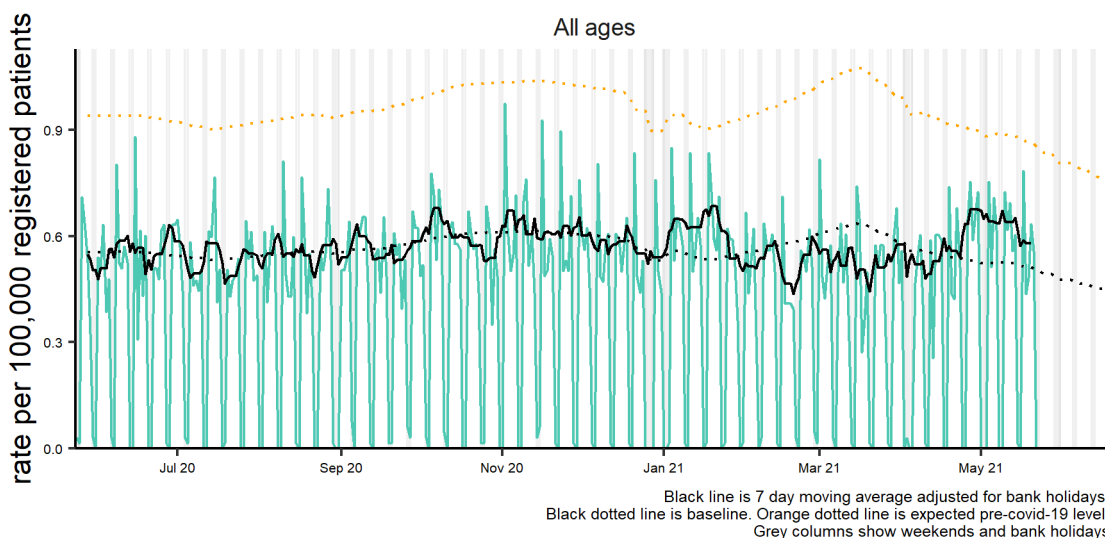
Gastroenteritis by age group (years) 24/05/2020 - 23/05/2021



## 9: Vomiting

Daily incidence rate (and 7-day moving average\*) per 100,000 population (all England, all ages).

Vomiting 24/05/2020 - 23/05/2021



\* 7-day moving average adjusted for bank holidays.

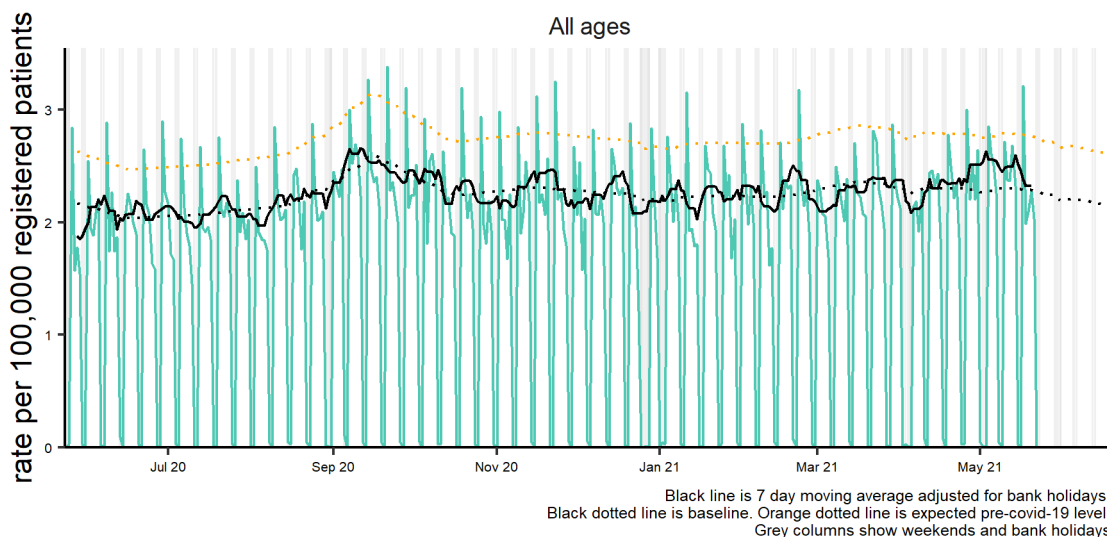
24 May 2021

Year: 2021 Week: 19

## 10: Diarrhoea

Daily incidence rate (and 7-day moving average\*) per 100,000 population (all England, all ages).

Diarrhoea 24/05/2020 - 23/05/2021



Intentionally left blank

Intentionally left blank

\* 7-day moving average adjusted for bank holidays.



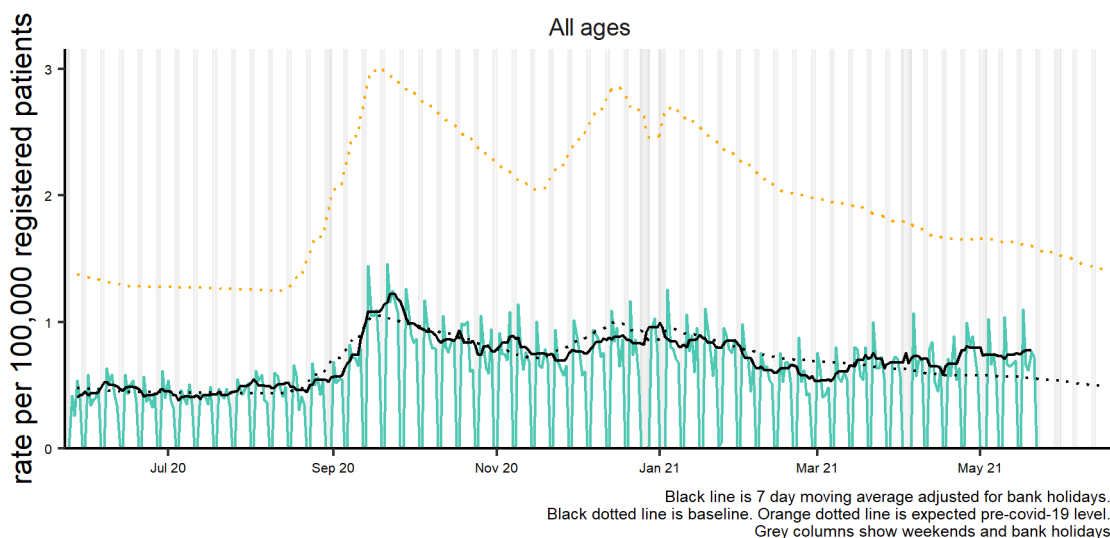
24 May 2021

Year: 2021 Week: 20

## 11: Asthma

Daily incidence rate (and 7-day moving average\*) per 100,000 population (all England, all ages).

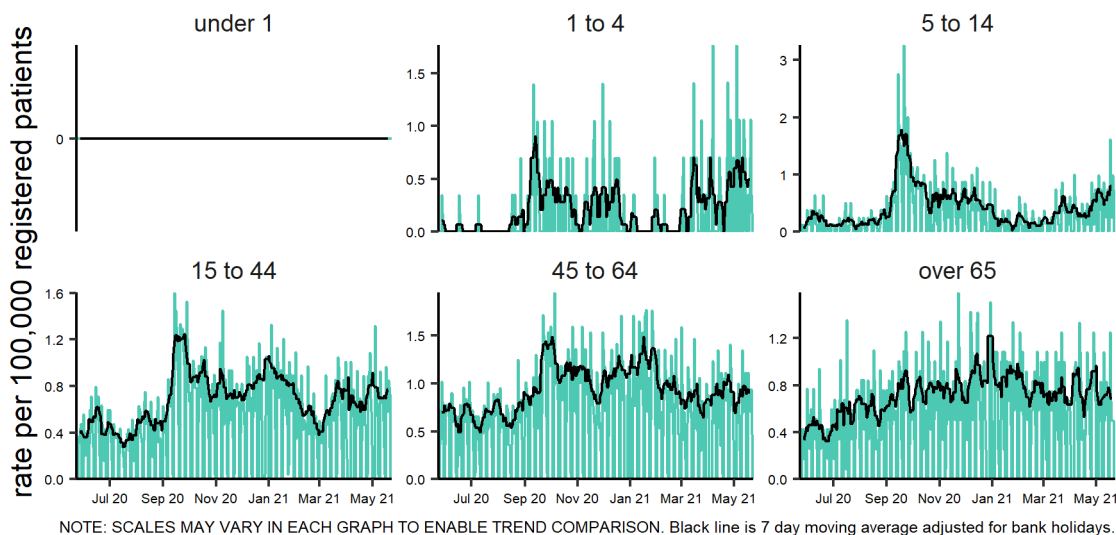
Acute presenting asthma 24/05/2020 - 23/05/2021



## 11a: Asthma by age

Daily incidence rate (and 7-day moving average\*) by age group per 100,000 population (all England).

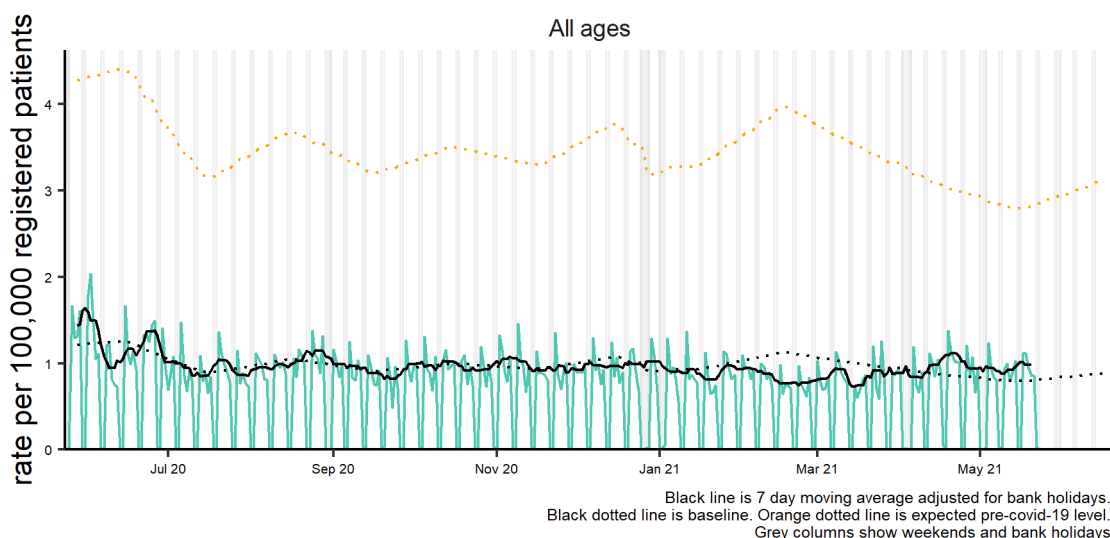
Acute presenting asthma by age group (years) 24/05/2020 - 23/05/2021



## 12: Conjunctivitis

Daily incidence rate (and 7-day moving average\*) per 100,000 population (all England, all ages).

Conjunctivitis 24/05/2020 - 23/05/2021



\* 7-day moving average adjusted for bank holidays.



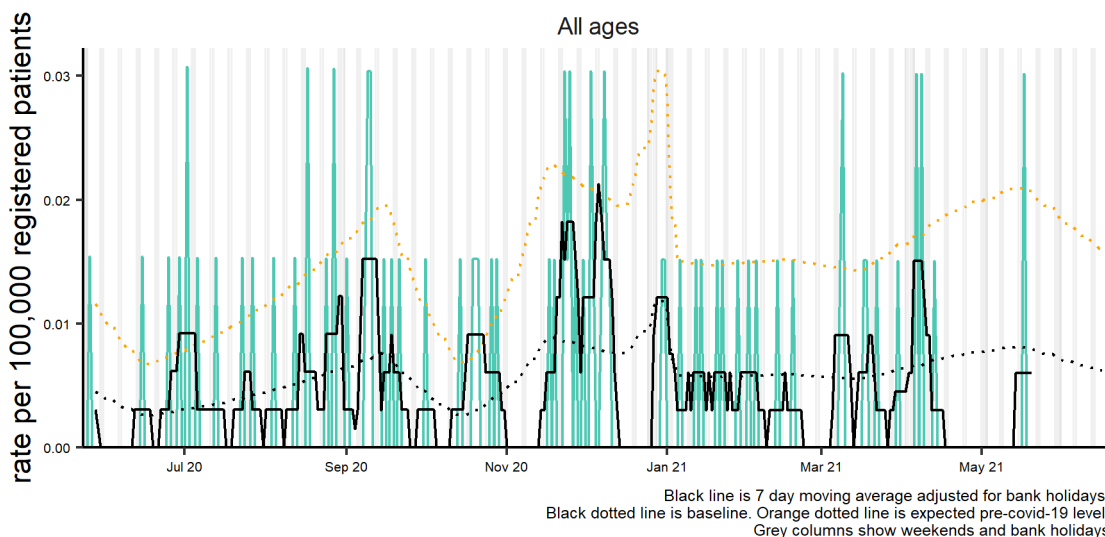
24 May 2021

Year: 2021 Week: 20

## 13: Mumps

Daily incidence rate (and 7-day moving average\*) per 100,000 population (all England, all ages).

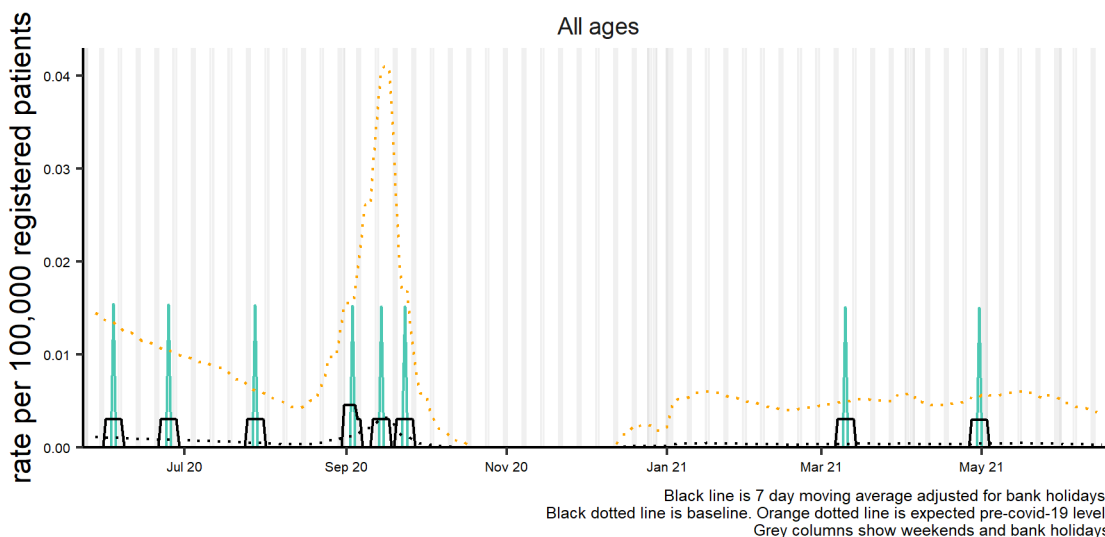
Mumps 24/05/2020 - 23/05/2021



## 14: Measles

Daily incidence rate (and 7-day moving average\*) per 100,000 population (all England, all ages).

Measles 24/05/2020 - 23/05/2021



Intentionally left blank

\* 7-day moving average adjusted for bank holidays.

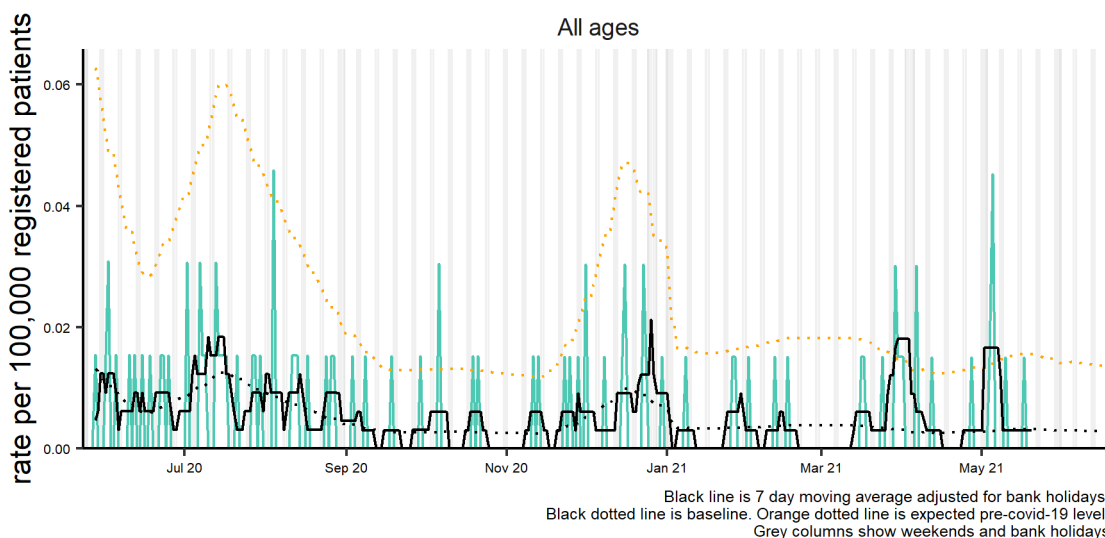
24 May 2021

Year: 2021 Week: 20

## 16: Whooping cough

Daily incidence rate (and 7-day moving average\*) per 100,000 population (all England, all ages).

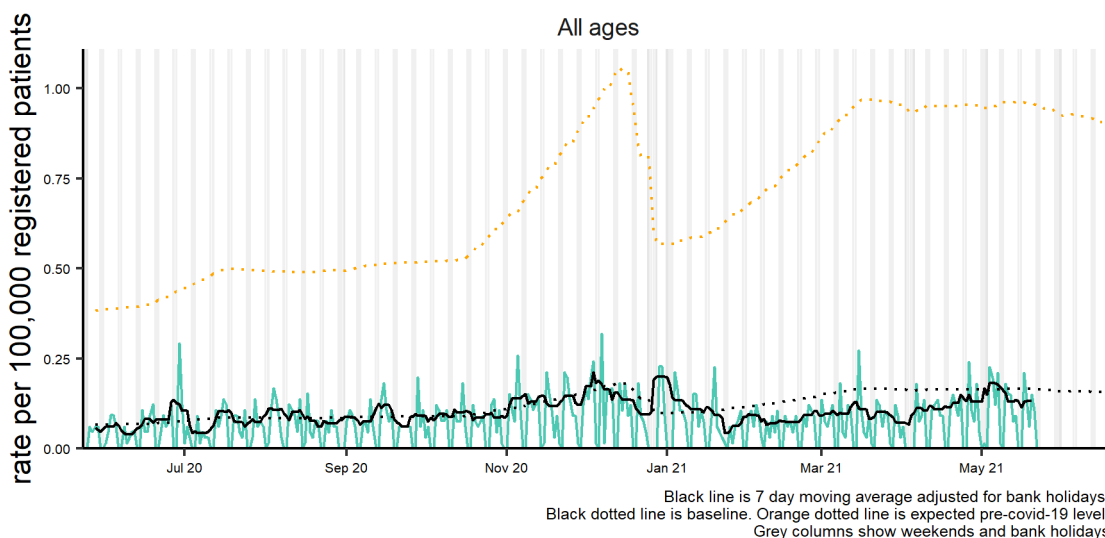
Whooping cough 24/05/2020 - 23/05/2021



## 17: Chickenpox

Daily incidence rate (and 7-day moving average\*) per 100,000 population (all England, all ages).

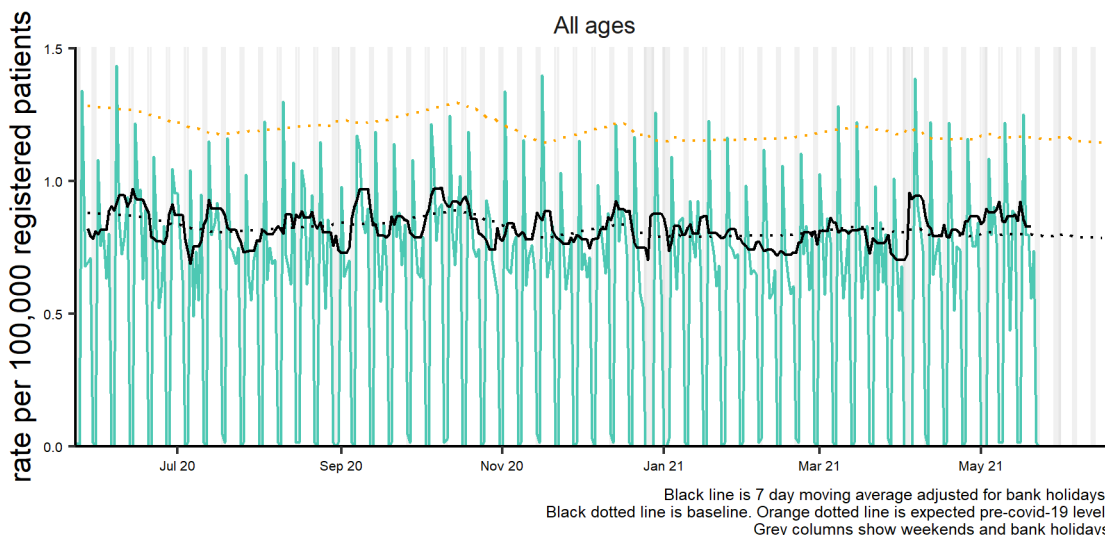
Chickenpox 24/05/2020 - 23/05/2021



## 18: Herpes zoster

Daily incidence rate (and 7-day moving average\*) per 100,000 population (all England, all ages).

Herpes zoster 24/05/2020 - 23/05/2021



\* 7-day moving average adjusted for bank holidays.

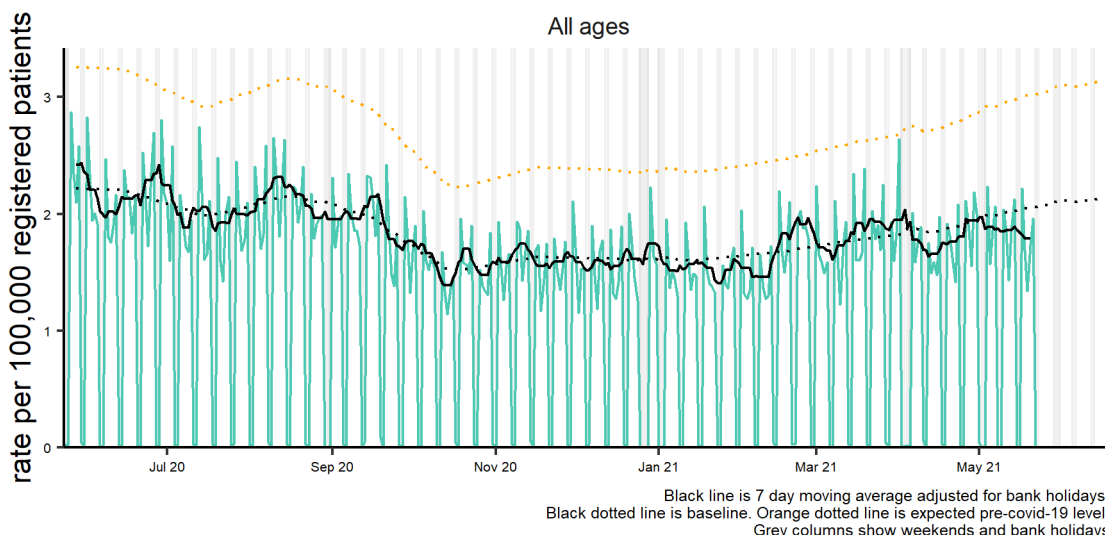
24 May 2021

Year: 2021 Week: 20

## 19 Cellulitis

Daily incidence rate (and 7-day moving average\*) per 100,000 population (all England, all ages).

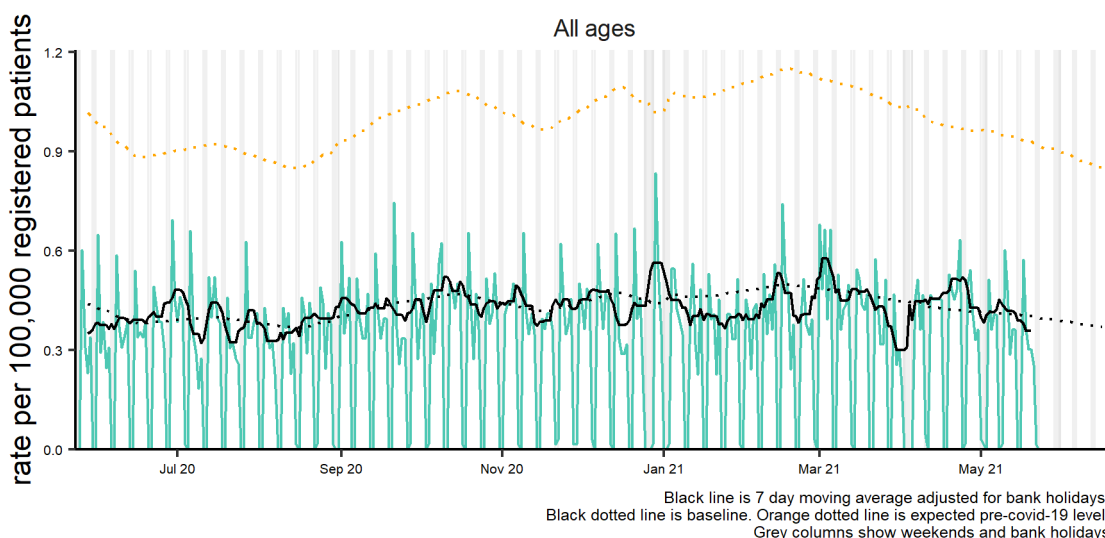
Cellulitis 24/05/2020 - 23/05/2021



## 20: Impetigo

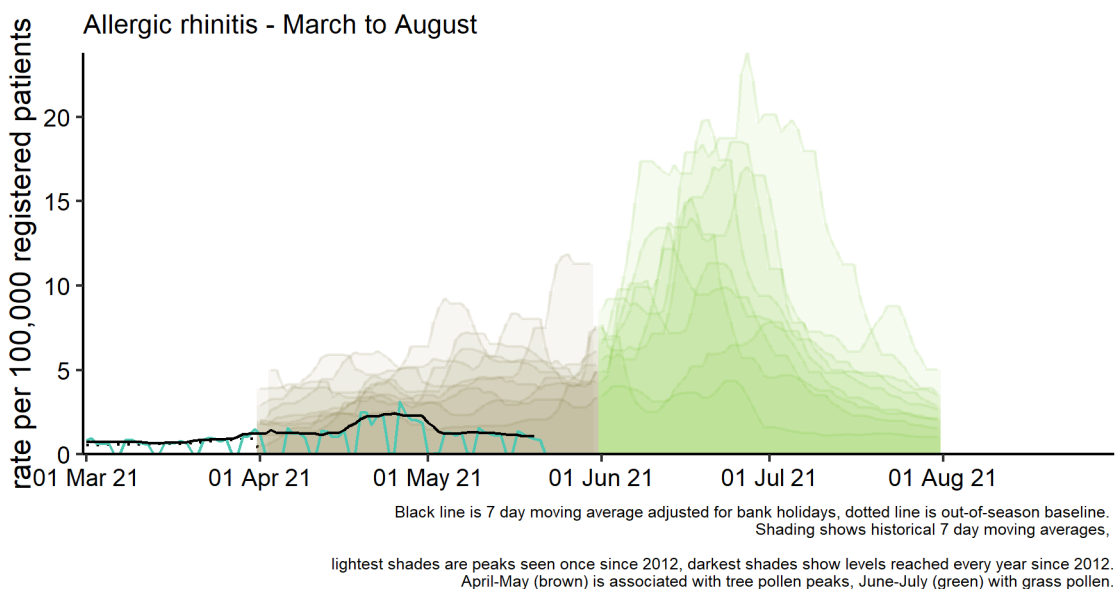
Daily incidence rate (and 7-day moving average\*) per 100,000 population (all England, all ages).

Impetigo 24/05/2020 - 23/05/2021



## 21: Allergic Rhinitis

Daily incidence rate (and 7-day moving average\*) per 100,000 population (all England, all ages).



\* 7-day moving average adjusted for bank holidays.

24 May 2021

Year: 2021 Week: 19

## Notes and further information

- The PHE GP in hours surveillance system monitors the number of visits to general practitioners (GP) during regular surgery hours for known clinical indicators.
- This system captures anonymised GP morbidity data TPP SystemOneGP clinical software system including approximately 12% of the England population.
- Baselines are modelled from historical data to give current seasonally expected levels. GP consultations rates decreased during 2020 due to changes in guidance on accessing health care, therefore separate modelled estimates are provided to show seasonally expected levels pre-covid-19.
- Each day, syndromic surveillance data are interrogated by a statistical algorithm to detect statistically significant exceedances (compared to baselines derived from historical data) in syndromic signals e.g. 'influenza-like illness GP consultations in London'. Each statistical exceedance is risk assessed by the ReSST using a published framework. Following the risk assessment, any exceedances requiring further action are communicated to relevant PHE colleagues for investigation. Further information about the methodology is available:
  1. Morbey RA et al. The application of a novel rising activity, multi-level mixed effects, indicator emphasis' (RAMMIE) method for syndromic surveillance in England. *Bioinformatics* 2015;31: 3660-3665. 10.1093/bioinformatics/btv418
  2. Smith GE et al. Novel public health risk assessment process developed to support syndromic surveillance for the 2012 Olympic and Paralympic Games. *Journal of Public Health (Oxford)* 2017;39: e111-e117. 10.1093/pubmed/fdw054

## COVID-19 consultations

- A collection of new COVID-19 Snomed codes were released in March 2020 to facilitate the recording of patients presenting to primary care services with symptoms of COVID-19. The GPIH surveillance system monitors the use of these codes in a selection of TPP practices across England:
  - However, patients presenting with COVID-19 symptoms may be diagnosed using other clinical codes used by the GP.
  - Therefore, the COVID-19-like indicator presented in this report is primarily for monitoring trends in GP consultations, and it must be interpreted in context with the other respiratory syndromic indicators presented in this report. The number/rate of COVID-19-like consultations should therefore not be used as an absolute count of those patients with COVID-19.
- All indicator trends reported here should be interpreted with caution due to current national advice and guidance regarding access to GP surgeries and changes in clinical coding for COVID-19.

## Acknowledgements:

We thank TPP, ResearchOne and the SystemOne GP practices contributing to this surveillance system.

**Contact ReSST:**  
syndromic.surveillance  
@phe.gov.uk

### GP In Hours Syndromic Surveillance System Bulletin.

**Produced by:** PHE Real-time Syndromic Surveillance Team  
1<sup>st</sup> Floor, 5 St Philips Place, Birmingham, B3 2PW  
**Tel:** 0344 225 3560 > Option 4 > Option 2

**Web:** <https://www.gov.uk/government/collections/syndromic-surveillance-systems-and-analyses>