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## Key messages                    **Data to: 21 January 2018**

GP consultations for influenza-like illness (all ages) stabilised during week 3 (figure 3), however, while consultations in adults decreased, there were increases in children, especially those aged 5-14 years (figure 3a).
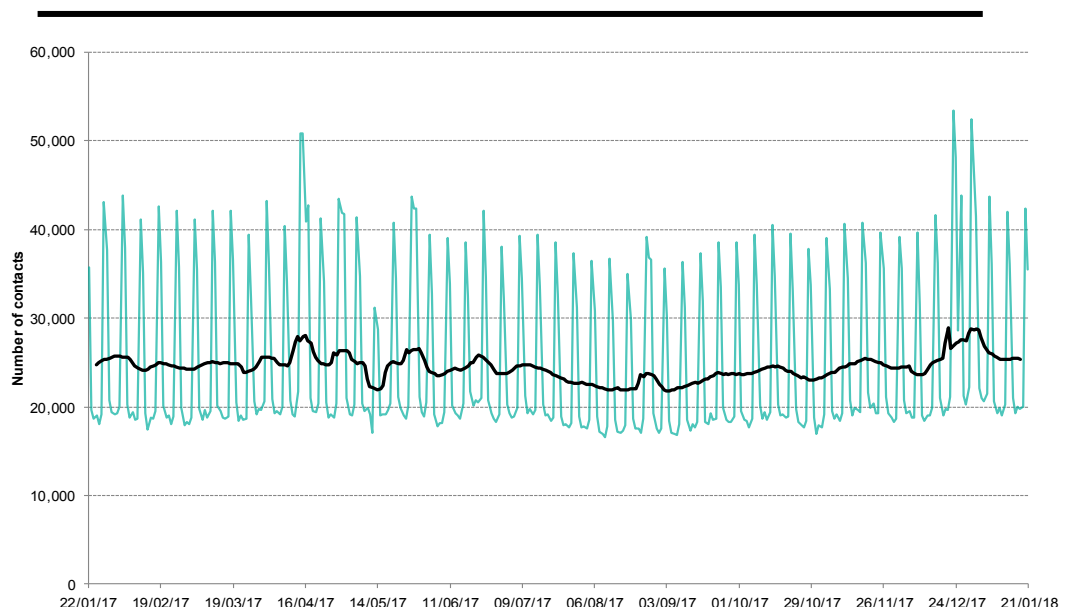
A Cold Watch System operates in England from 1 November to 31 March each year. As part of the Public Health England Cold Weather Plan for England the PHE Real-time Syndromic Surveillance Team will be monitoring the impact of cold weather on syndromic surveillance data during this period.
Cold weather alert level (current reporting week): **Level 1 - Winter preparedness - 3 Severe weather action**
http://www.metoffice.gov.uk/weather/uk/coldweatheralert/

**Syndromic indicators at a glance:**

Number of contacts and percentage of Read coded contacts.

| Key indicator | No. of contacts | % Week 03 | % Week 02 | Trend* |
|---|---|---|---|---|
| All OOH contacts, all causes | 177,170 | | | |
| Acute respiratory infection | 17,448 | 20.11 | 20.51 | ↓ |
| Influenza-like illness | 1,074 | 1.24 | 1.33 | ←→ |
| Bronchitis/bronchiolitis | 209 | 0.24 | 0.28 | ↓ |
| Difficulty breathing/wheeze/asthma | 2,053 | 2.37 | 2.39 | ←→ |
| Pharyngitis | 102 | 0.12 | 0.09 | ↑ |
| Gastroenteritis | 3,340 | 3.85 | 3.77 | ←→ |
| Diarrhoea | 822 | 0.95 | 0.94 | ←→ |
| Vomiting | 1,237 | 1.43 | 1.31 | ↑ |
| Myocardial infarction | 965 | 1.11 | 1.07 | ↑ |

*Trend: reports on the trend seen over previous weeks in the percentage of Read coded contacts.
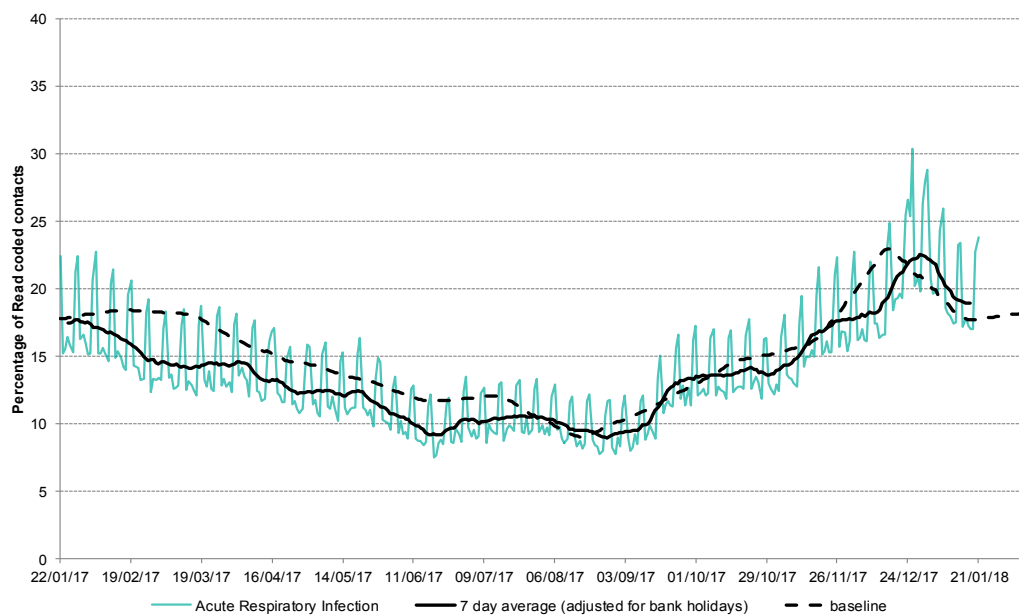
**1: Total out-of-hours contacts:**

Daily total number of out-of-hours and unscheduled contacts and 7 day average (adjusted for bank holidays).
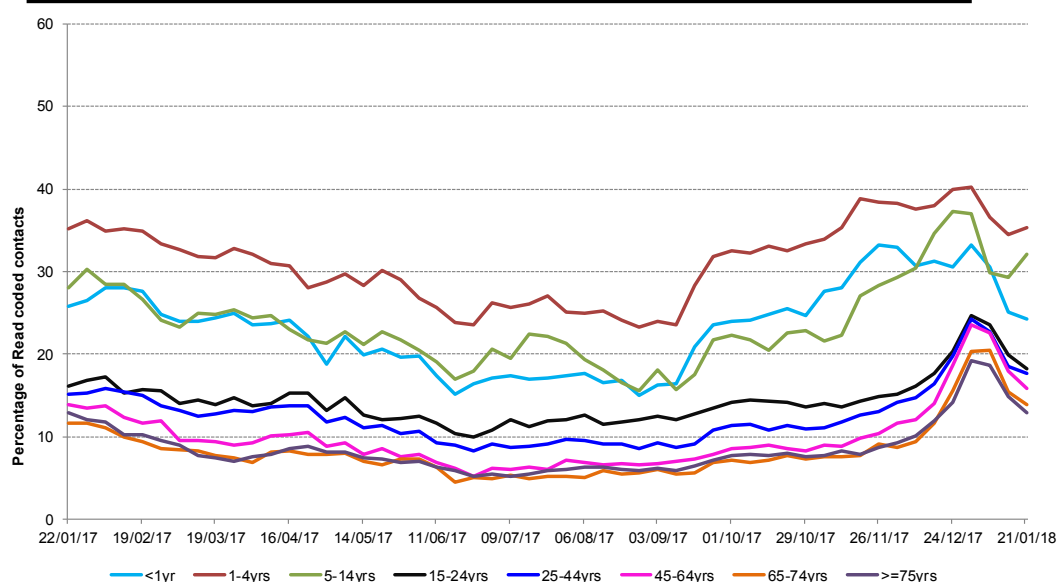
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**2: Acute Respiratory Infection daily contacts.**

Shown as a percentage of the total contacts with a Read code and as a 7 day average*.
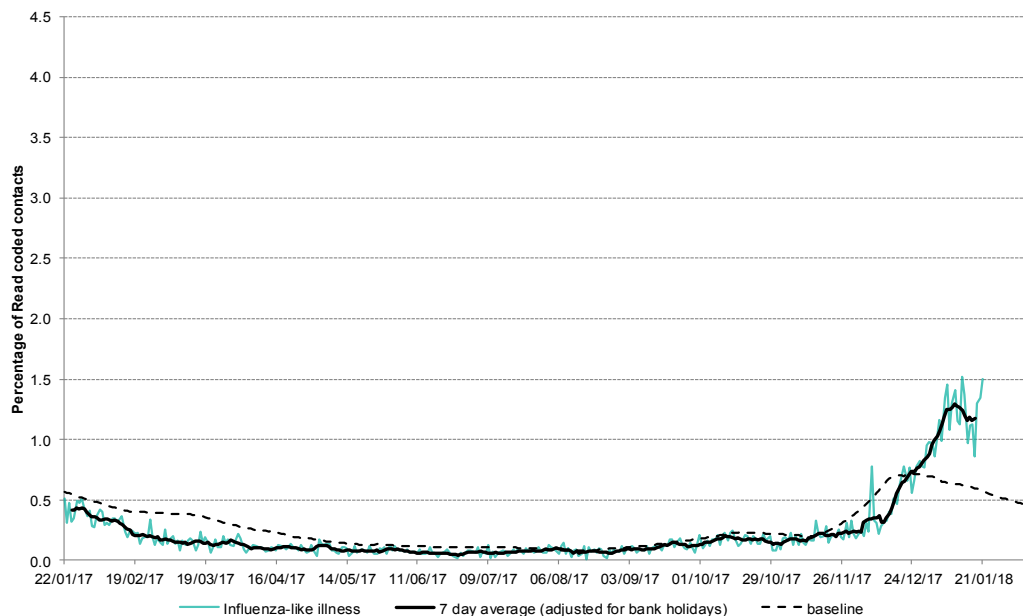


**2a: Acute Respiratory Infection contacts by age group.**



**3: Influenza-like illness daily contacts.**

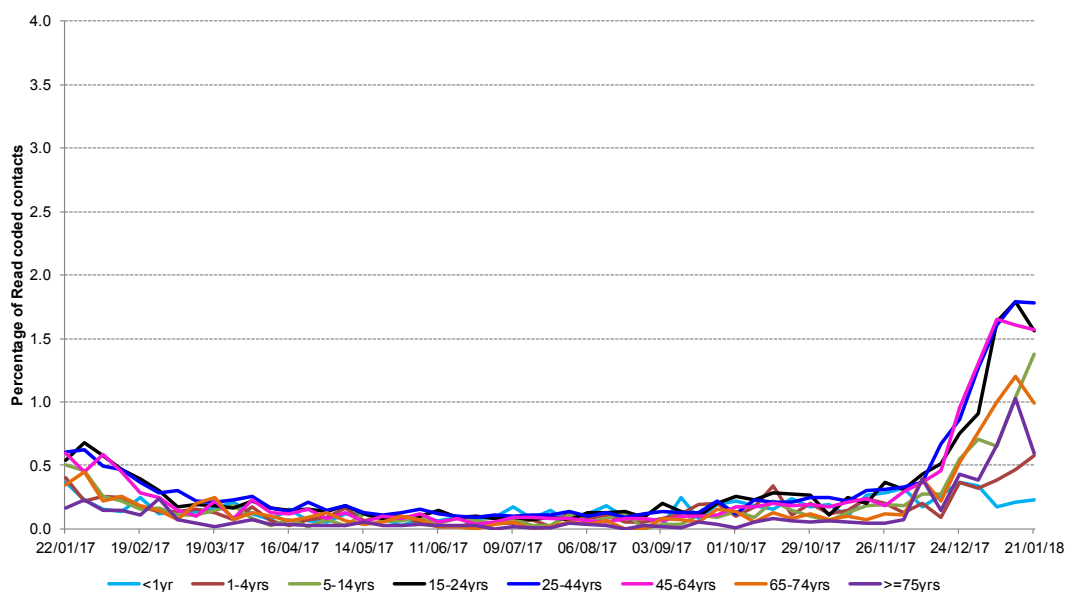Shown as a percentage of the total contacts with a Read code and as a 7 day average*.

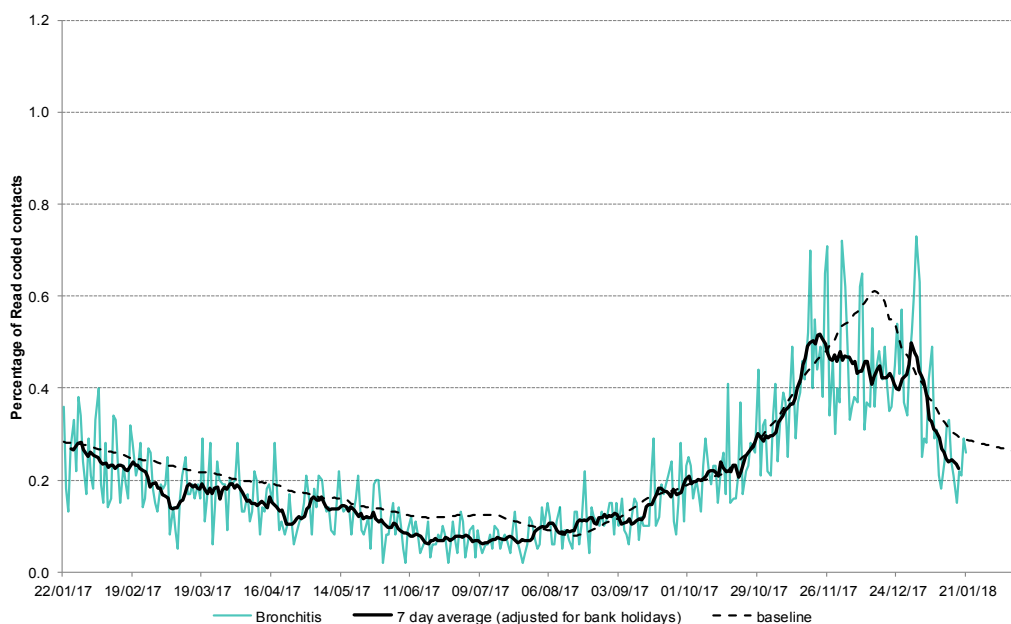*7-day moving average adjusted for bank holidays.

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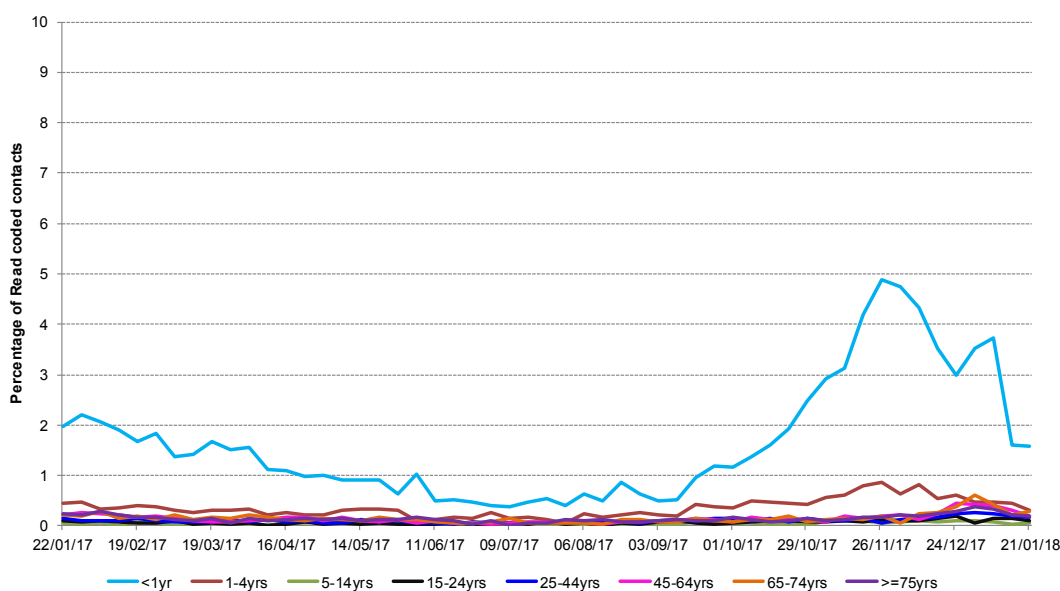**3a Influenza-like illness weekly contacts by age group.**



**4: Bronchitis/ bronchiolitis daily contacts.**

Shown as a percentage of the total contacts with a Read code and as a 7 day average*.



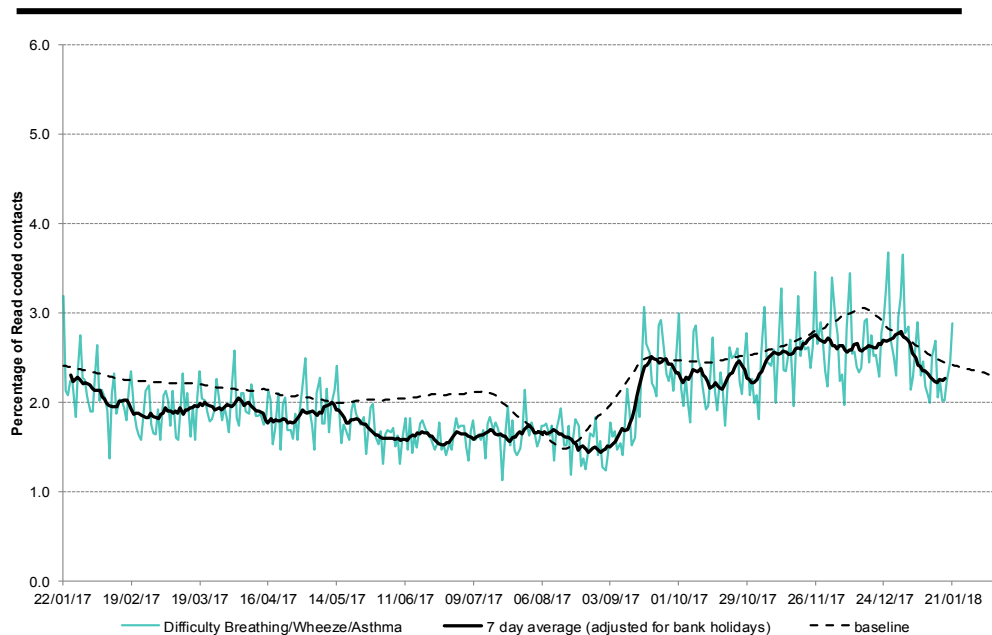**4a: Bronchitis/ bronchiolitis weekly contacts by age group.**



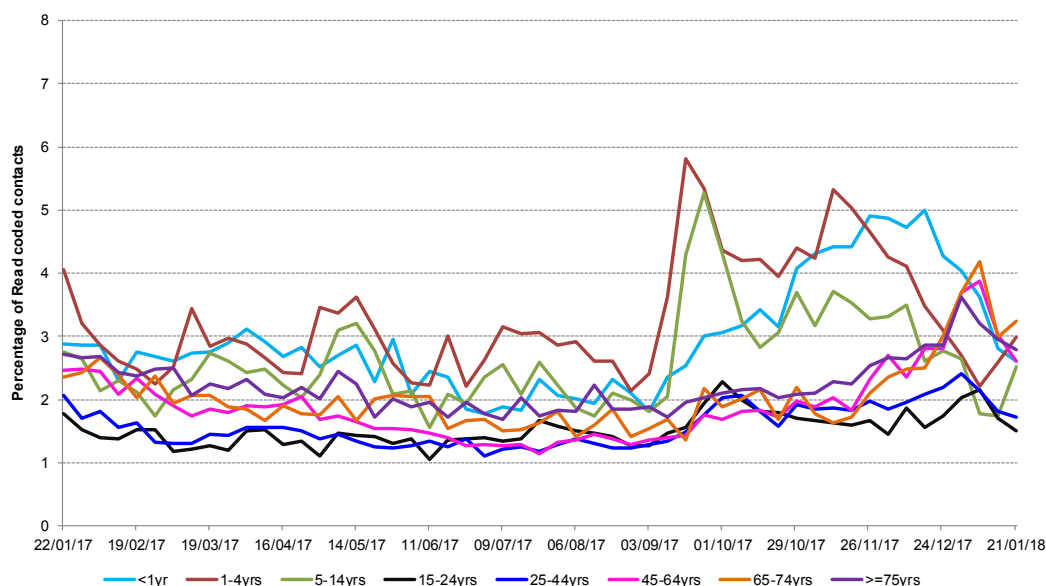*7-day moving average adjusted for bank holidays.

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**5: Difficulty breathing/ wheeze/asthma daily contacts.**

Shown as a percentage of the total contacts with a Read code and as a 7 day average*.



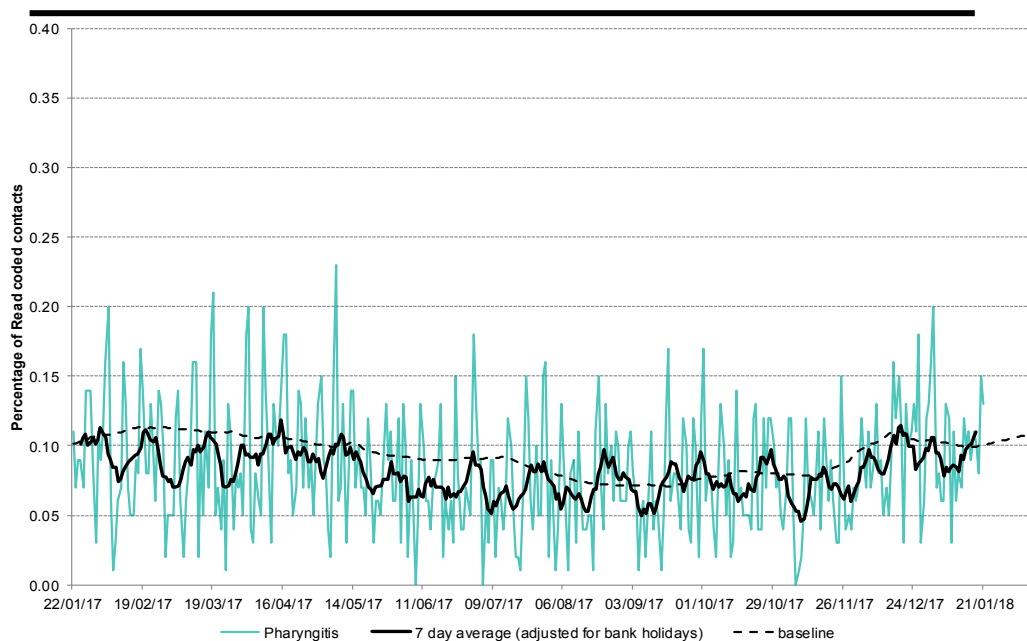**5a: Difficulty breathing/wheeze/ asthma daily contacts by age group.**



*7-day moving average adjusted for bank holidays.
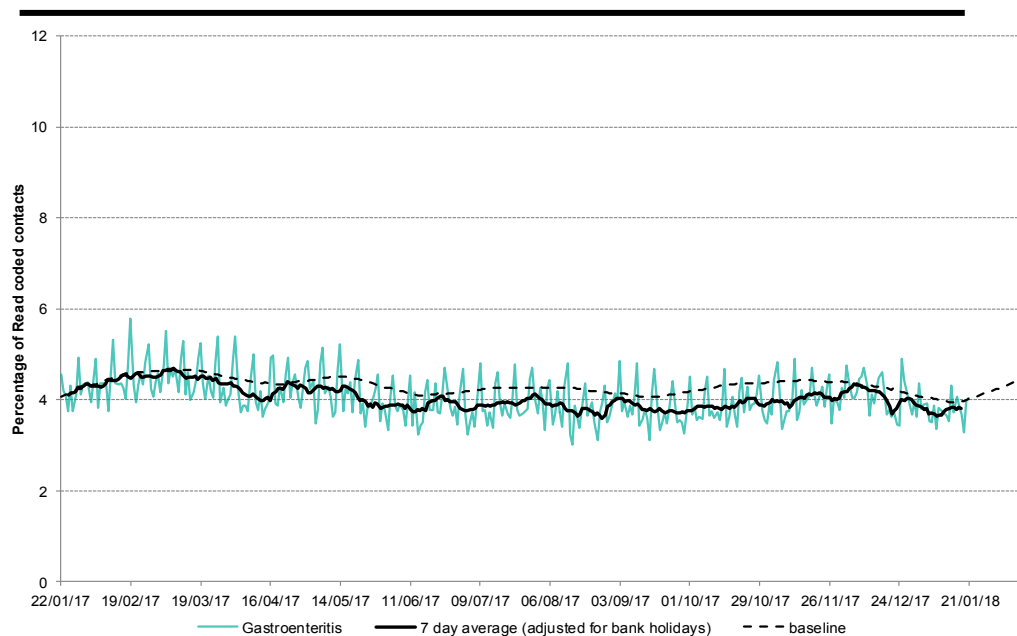
Public Health
England

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**6: Acute pharyngitis and persistent sore throat.**

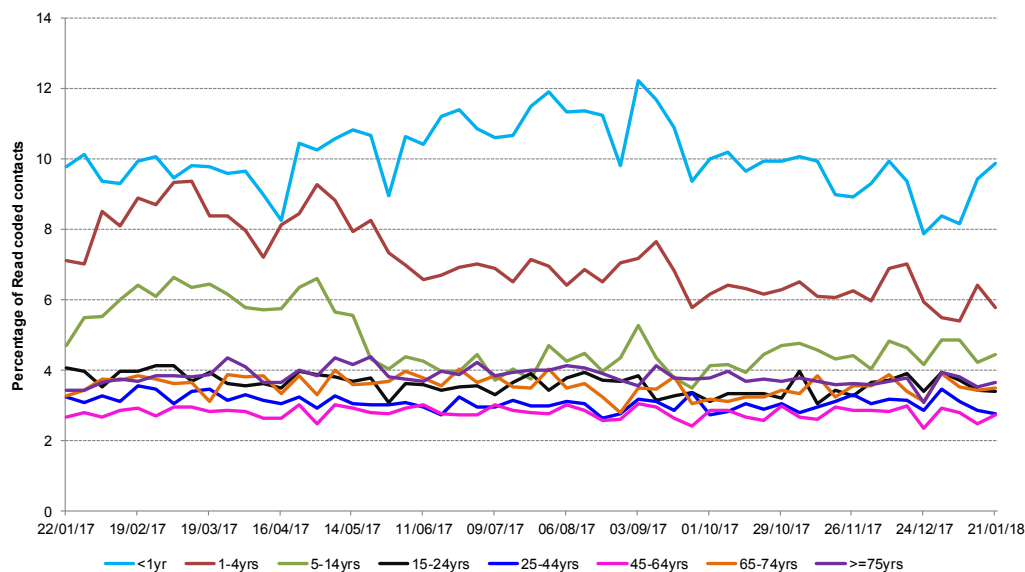Shown as a percentage of the total contacts with a Read code and as a 7 day average*.



Pharyngitis ——— 7 day average (adjusted for bank holidays) - - - baseline

**7: Gastroenteritis daily contacts**

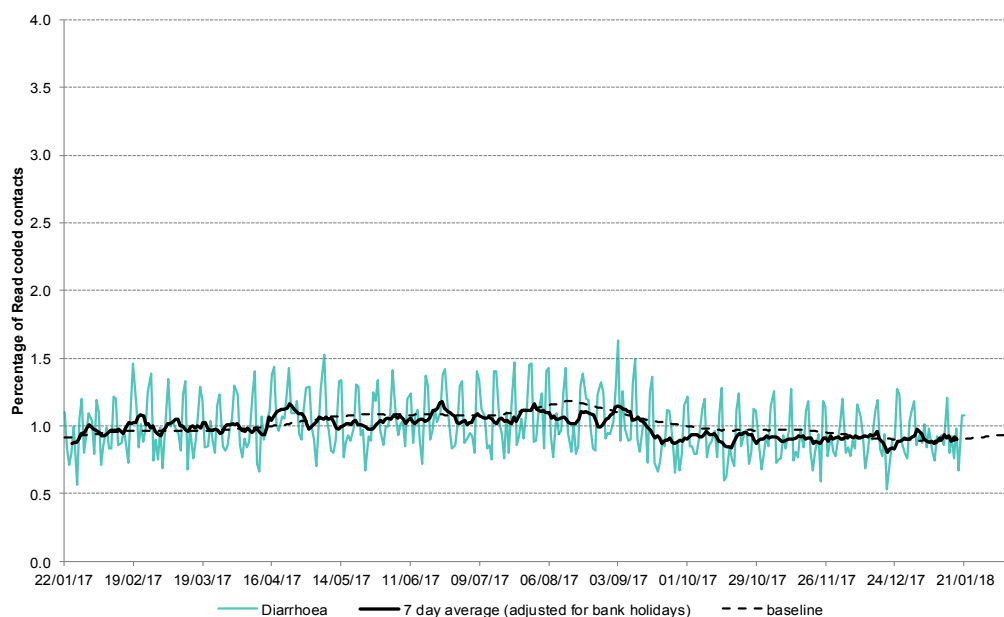Shown as a percentage of the total contacts with a Read code and as a 7 day average*.



Gastroenteritis ——— 7 day average (adjusted for bank holidays) - - - baseline

*7-day moving average adjusted for bank holidays.

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**7a: Gastroenteritis weekly contacts by age group.**
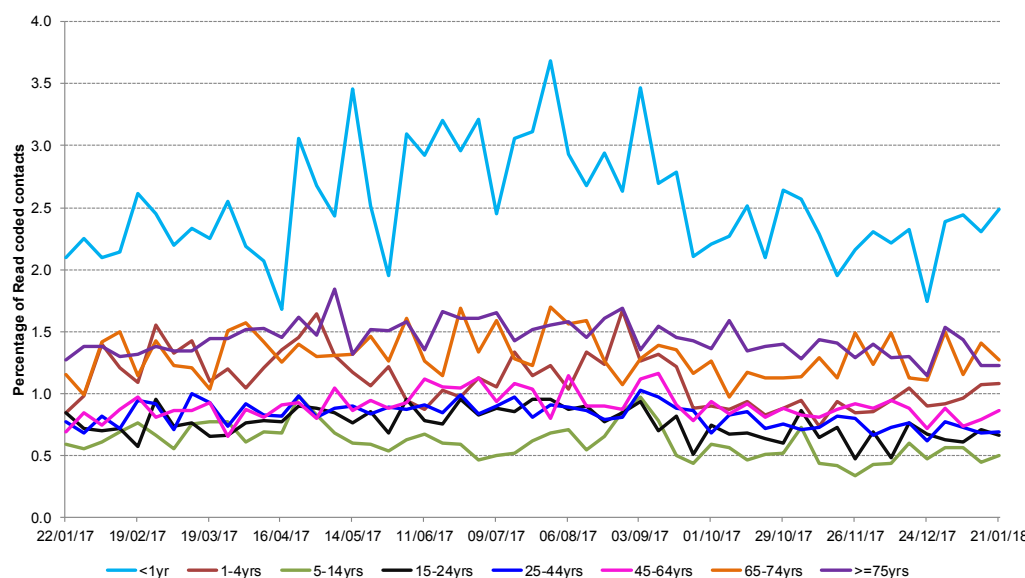


**8: Diarrhoea daily contacts.**

Shown as a percentage of the total contacts with a Read code and as a 7 day average*.
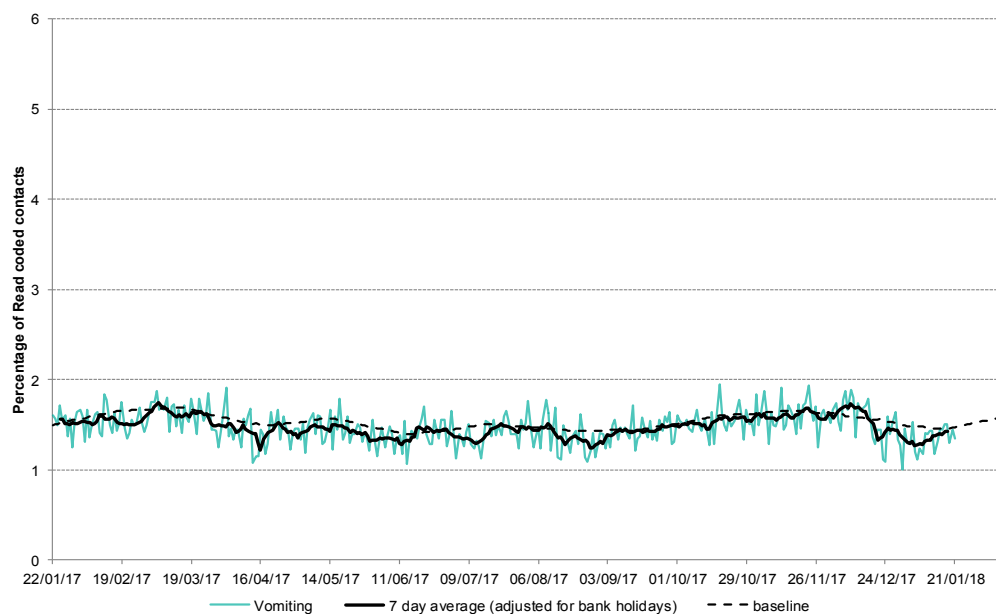


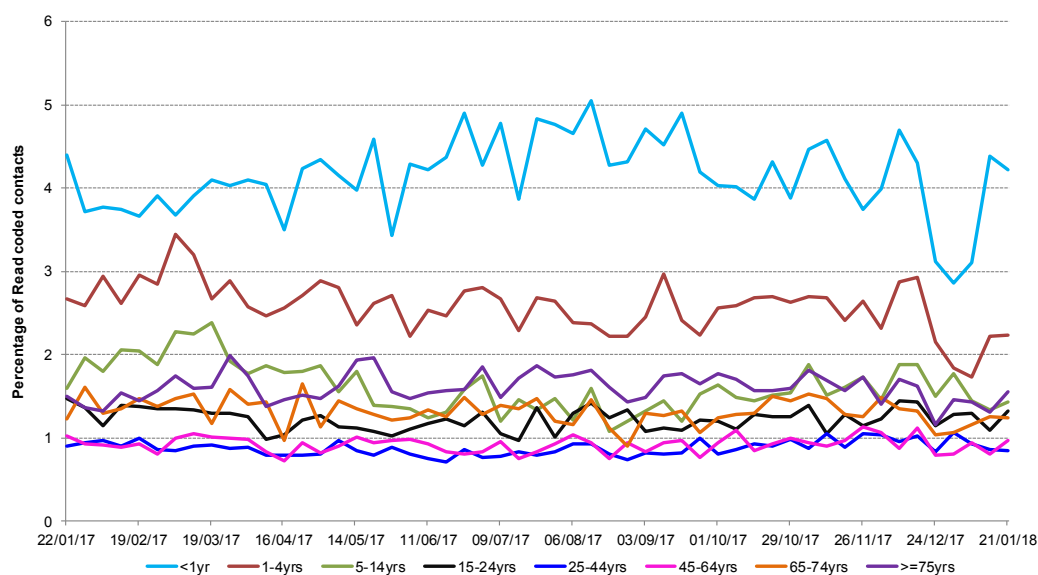**8a: Diarrhoea weekly contacts by age group.**



*7-day moving average adjusted for bank holidays.

**9: Vomiting daily contacts.**

Shown as a percentage of the total contacts with a Read code and as a 7 day average*.
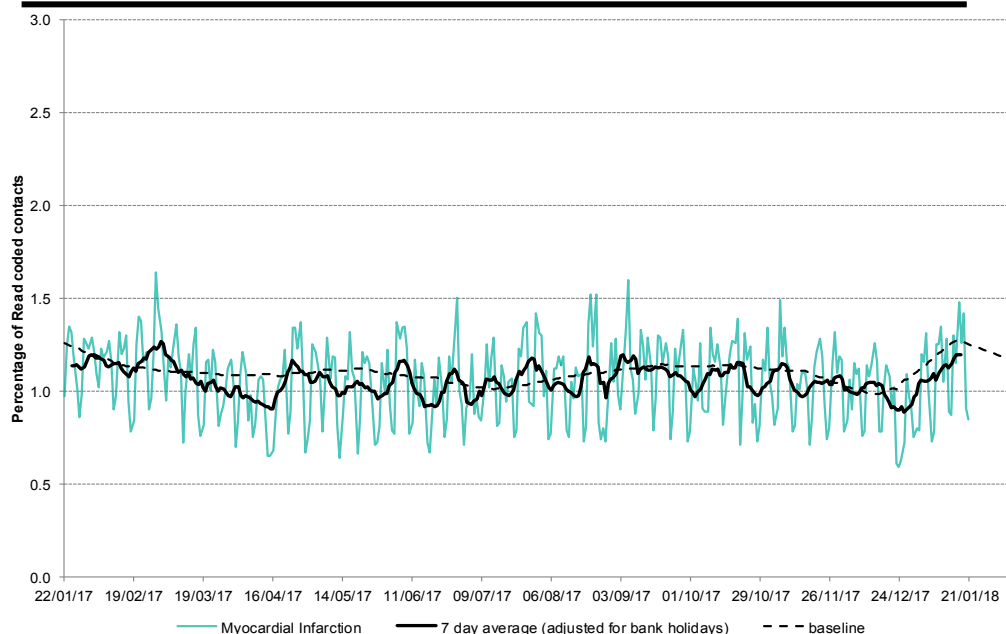


**9a: Vomiting weekly contacts by age group.**



**10: Myocardial Infarction daily contacts.**

Shown as a percentage of the total contacts with a Read code and as a 7 day average*.

*7-day moving average adjusted for bank holidays.



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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 the 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 general practitioner 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. Furthermore, they take into account any known substantial changes in data collection, population coverage or reporting practices. Baselines are refreshed using the latest data on a regular basis.

**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 Health and Care and the GP out-of-hours and unscheduled care service providers who have kindly agreed to participate in this system.

**Contact ReSST:**
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