



08 January 2019

Year: 2019 Week: 1

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Key messages

Data to: 06 January 2019

During week 1 there were increases in ED attendances for influenza-like illness (figure 7), although other respiratory indicators decreased slightly (figures 4, 5, 6 & 8).

The **national EDSSS**, based on the newly introduced NHS England [Emergency Care Data Set](#), is still under development and reports only from April 2018. Future bulletins will include further epidemiological analyses and, where possible, baselines constructed using previous surveillance data from the **sentinel EDSSS** (up to March 2018).

This bulletin only includes Type 1 EDs reporting with sufficient timeliness and frequency for **weekly** analysis. Full details of inclusion criteria can be found on page 6.

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** / **Level 2 - Alert and Readiness**
<http://www.metoffice.gov.uk/weather/uk/coldweatheralert/>

Diagnostic indicators at a glance:

Further details on the syndromic indicators reported can be found on page 6.

Indicator	Current trend
Respiratory	decreasing
Acute Respiratory Infection	decreasing
Bronchiolitis	decreasing
Influenza-like Illness	increasing
Pneumonia	decreasing
Asthma	decreasing
Gastrointestinal	decreasing
Gastroenteritis	decreasing
Cardiac	no trend
Myocardial Ischaemia	no trend

EDSSS weekly report statistics

Only Type 1 EDs meeting the weekly reporting criteria are included (see page 6 for details).

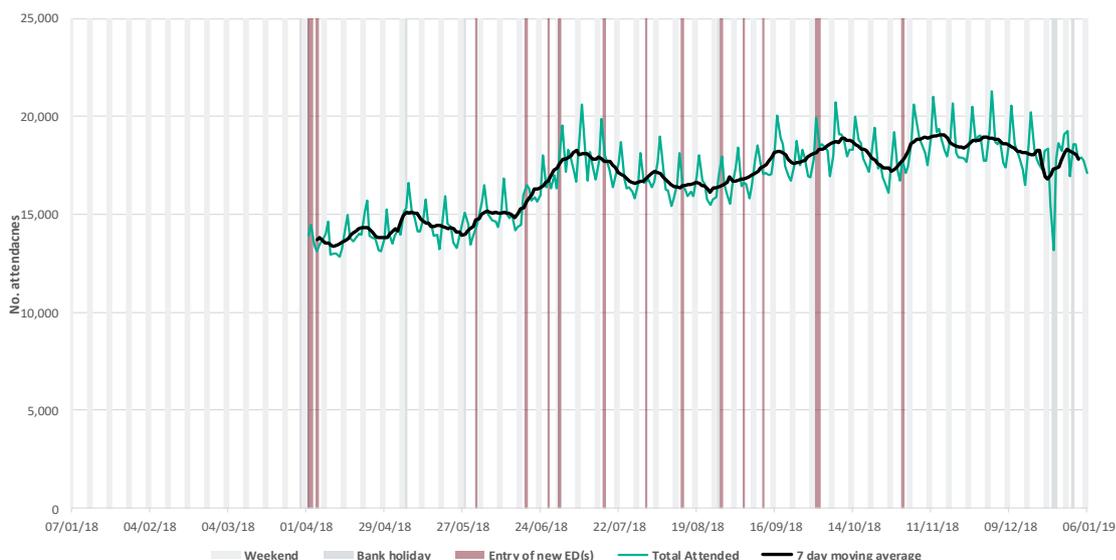
*max EDs included across full time period reported in charts, individual days may include fewer EDs.

Date	Total Attendances	Diagnoses Coded		Type 1 EDs Included
		Number	%	
31/12/2018	16,933	12,051	71.2%	77
01/01/2019	18,586	13,275	71.4%	77
02/01/2019	18,564	12,961	69.8%	76
03/01/2019	17,877	12,169	68.1%	77
04/01/2019	17,931	12,499	69.7%	77
05/01/2019	17,717	12,259	69.2%	76
06/01/2019	17,126	11,544	67.4%	75
Total	124,734	86,758	69.6%	(max)* 77

1: Total attendances.

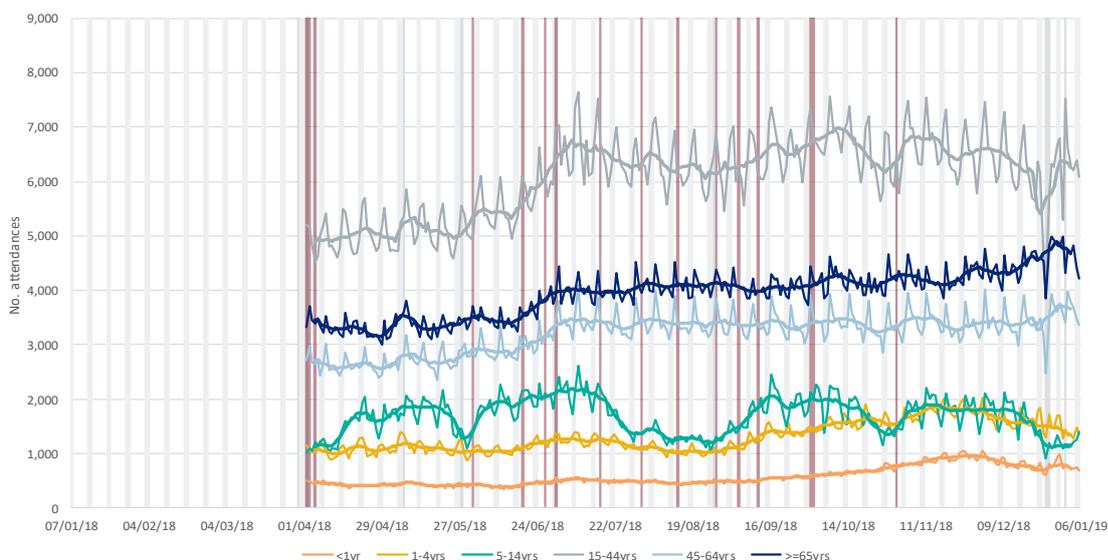
Daily number of total attendances recorded, across the EDSSS network.

The entry of new ED(s) is marked by a vertical red line (see page 6 for inclusion criteria).



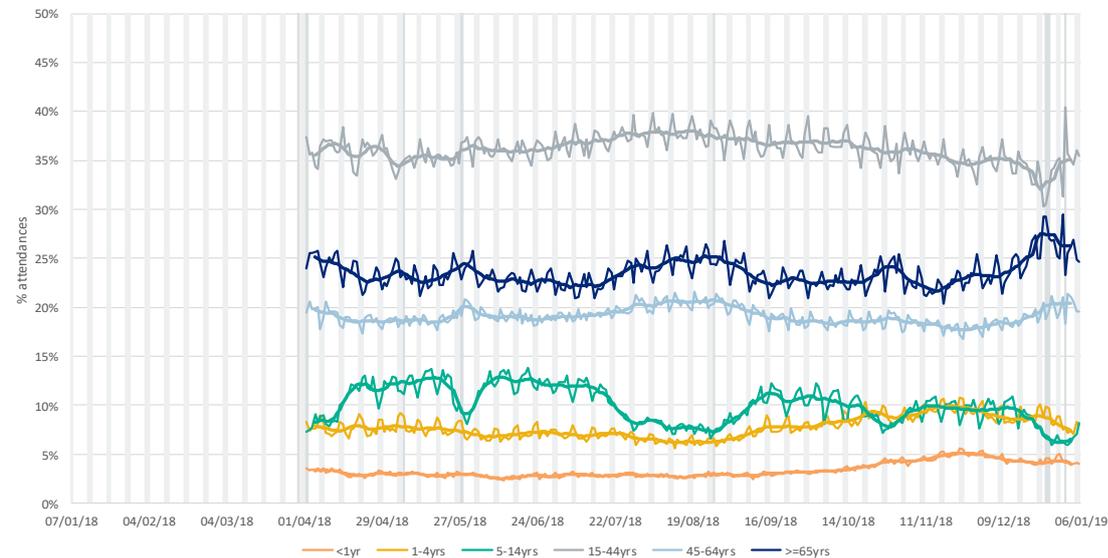
2: Daily attendances by age: Numbers.

Daily number of total attendances, by age group, recorded across the EDSSS network.



3: Daily attendances by age: Percentages

Daily percentage of total attendances by age group, recorded across the EDSSS network.



4: Respiratory.

Daily percentage of all attendances recorded as respiratory attendances across the EDSSS network.



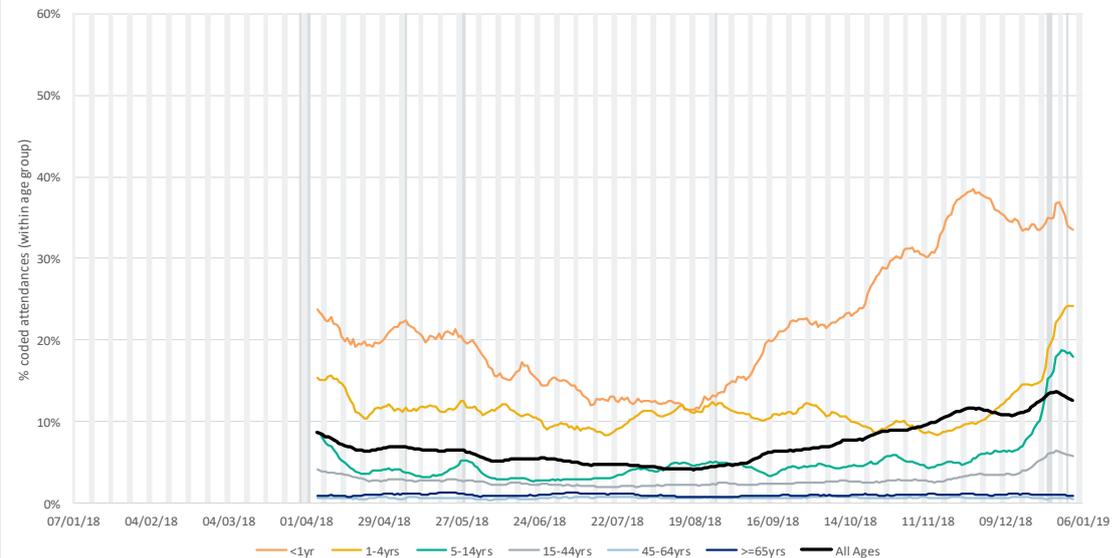
5: Acute Respiratory Infection.

Daily percentage of all attendances recorded as acute respiratory infection attendances across the EDSSS network.



5a: Acute Respiratory Infection by age group.

7 day moving average of ARI attendances presented as a proportion of the attendances within each age group.



**6: Bronchiolitis/
bronchitis.**

Daily percentage of all attendances recorded as bronchiolitis/ acute bronchitis attendances across the EDSSS network.



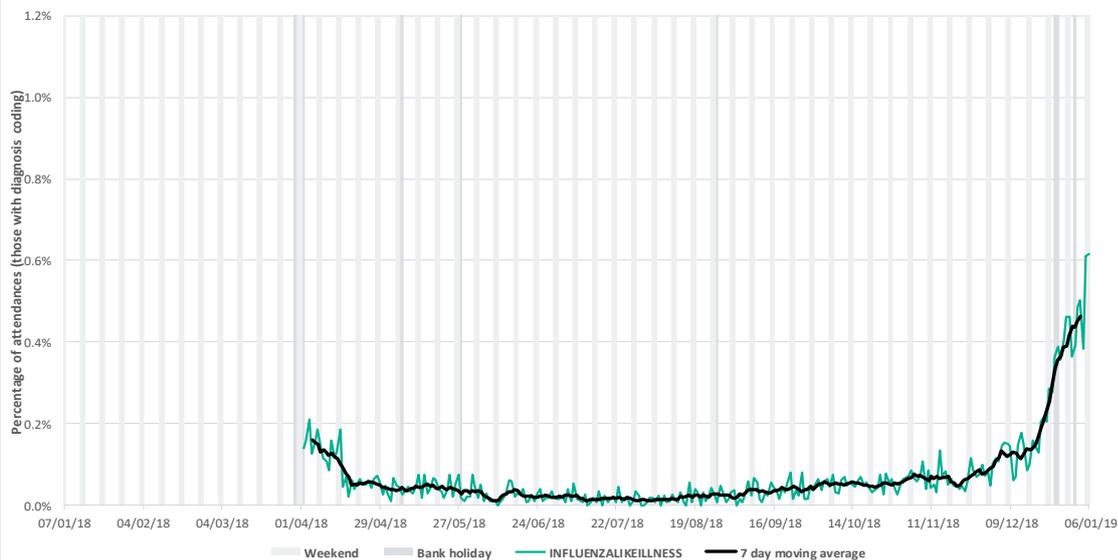
**6a: Bronchiolitis/
bronchitis by age
group**

7 day moving average of bronchitis/ bronchiolitis attendances presented as a proportion of the attendances within each age group.



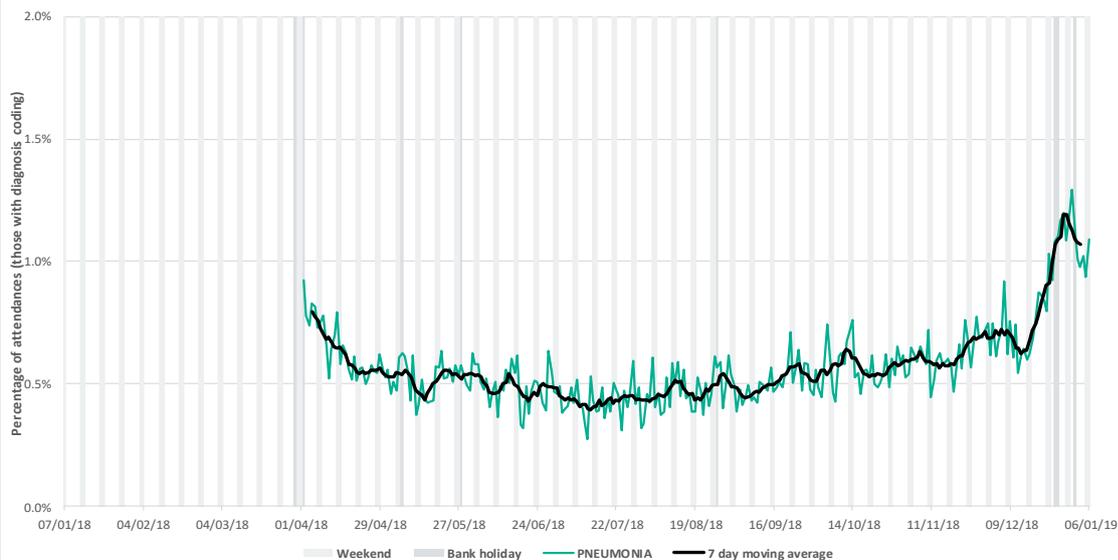
**7: Influenza-like
illness.**

Daily percentage of all attendances recorded as influenza-like illness attendances across the EDSSS network.



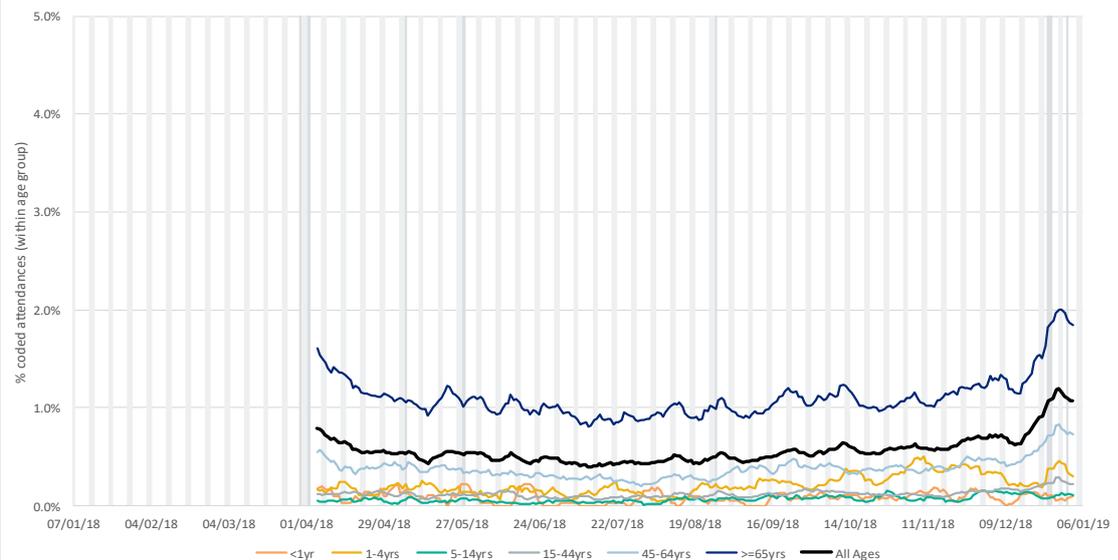
8: Pneumonia.

Daily percentage of all attendances recorded as pneumonia attendances across the EDSSS network.



8a: Pneumonia by age group.

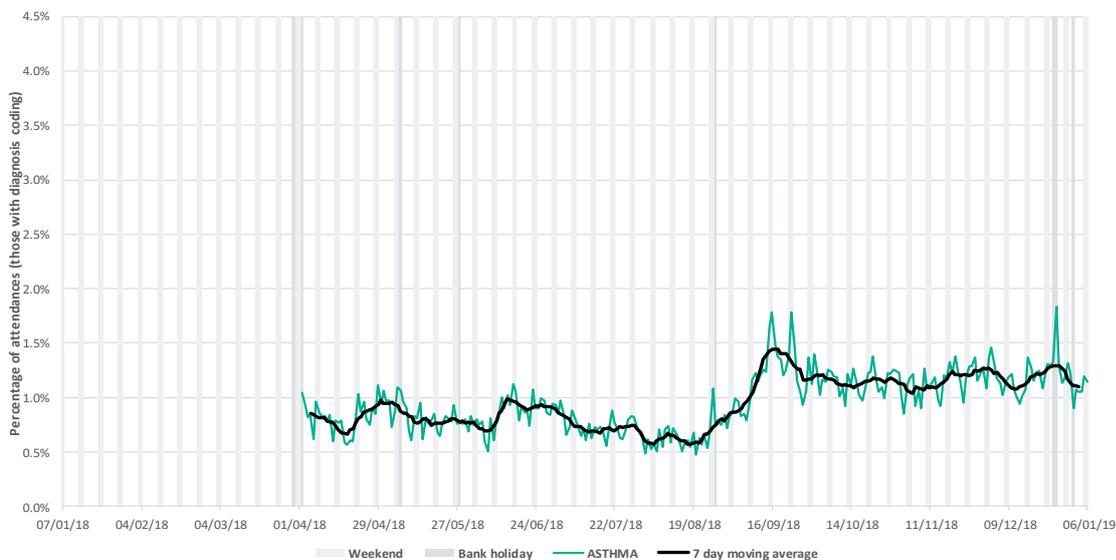
7 day moving average of pneumonia attendances presented as a proportion of the attendances within each age group.



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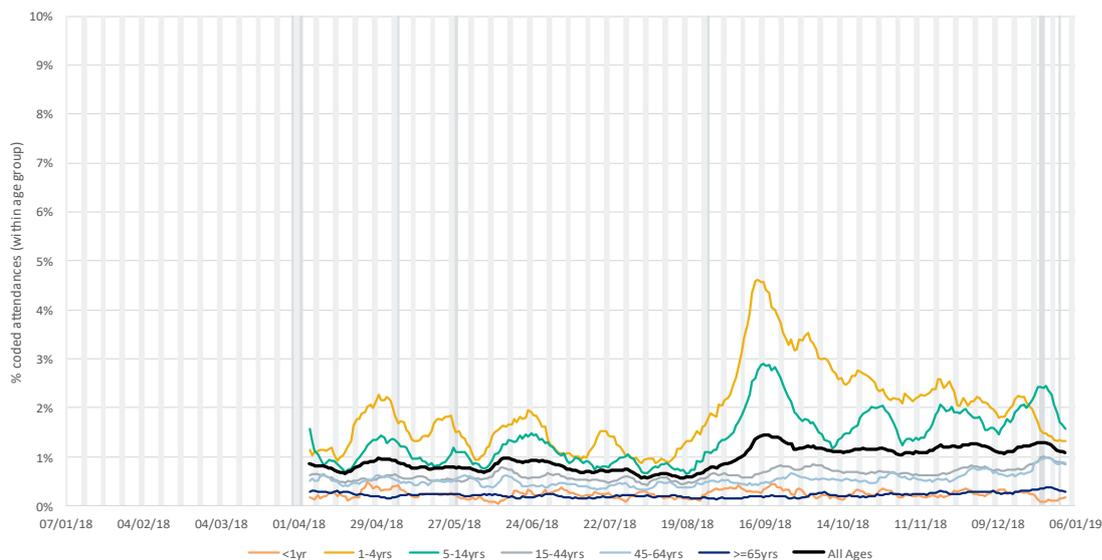
9: Asthma.

Daily percentage of all attendances recorded as asthma/wheeze/difficulty breathing attendances across the EDSSS network.



9a: Asthma by age group.

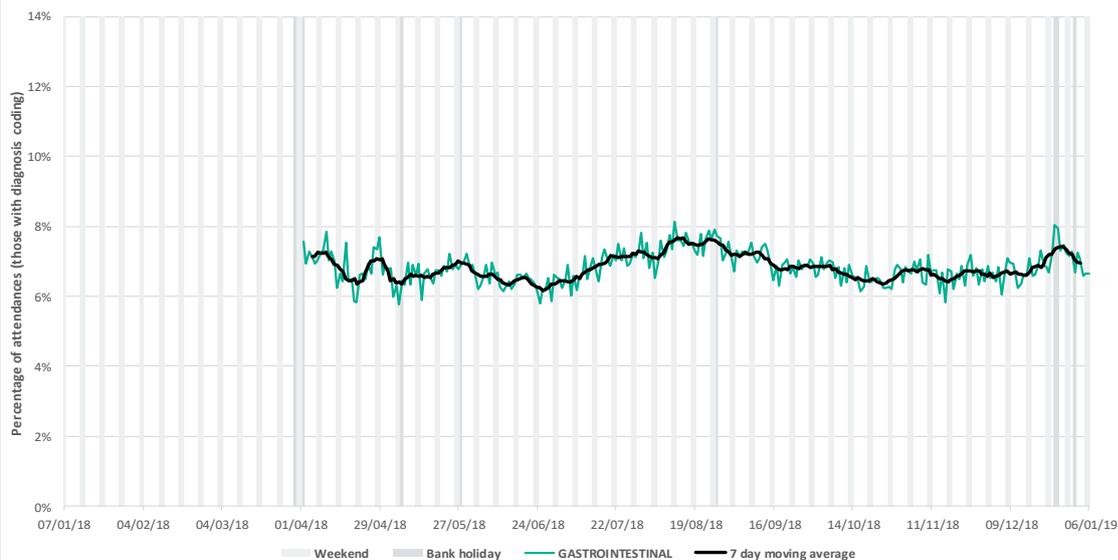
7 day moving average of asthma/wheeze/difficulty breathing attendances presented as a proportion of the attendances within each age group.



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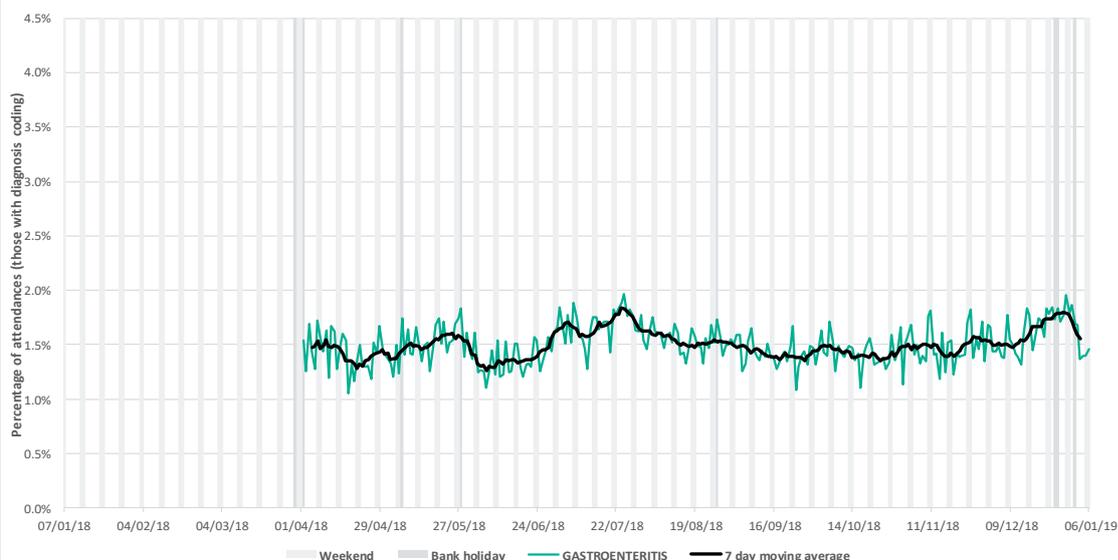
10: Gastrointestinal.

Daily percentage of all attendances recorded as gastrointestinal attendances across the EDSSS network.



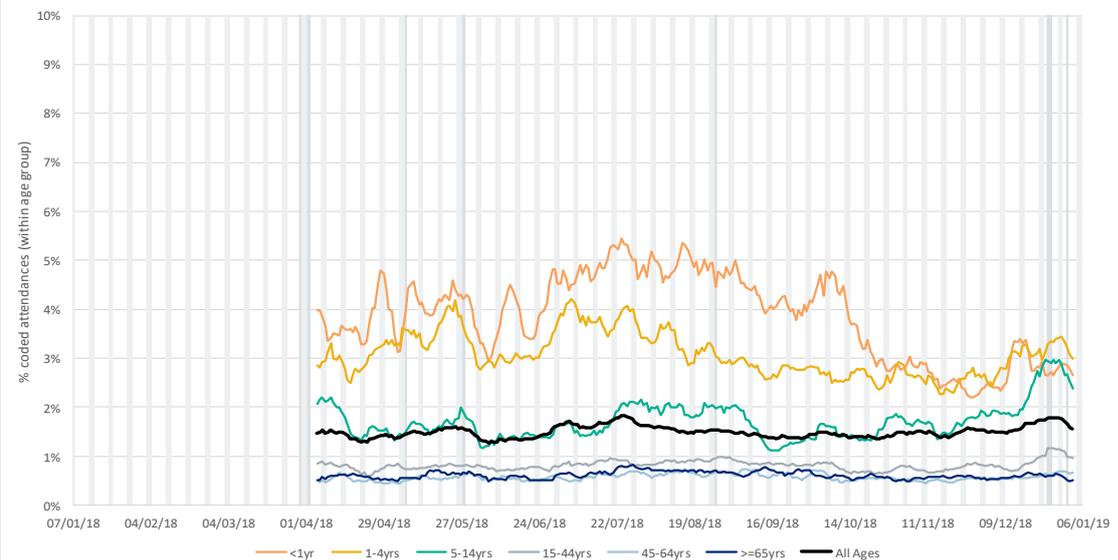
11: Gastroenteritis

Daily percentage of all attendances recorded as gastroenteritis attendances across the EDSSS network.



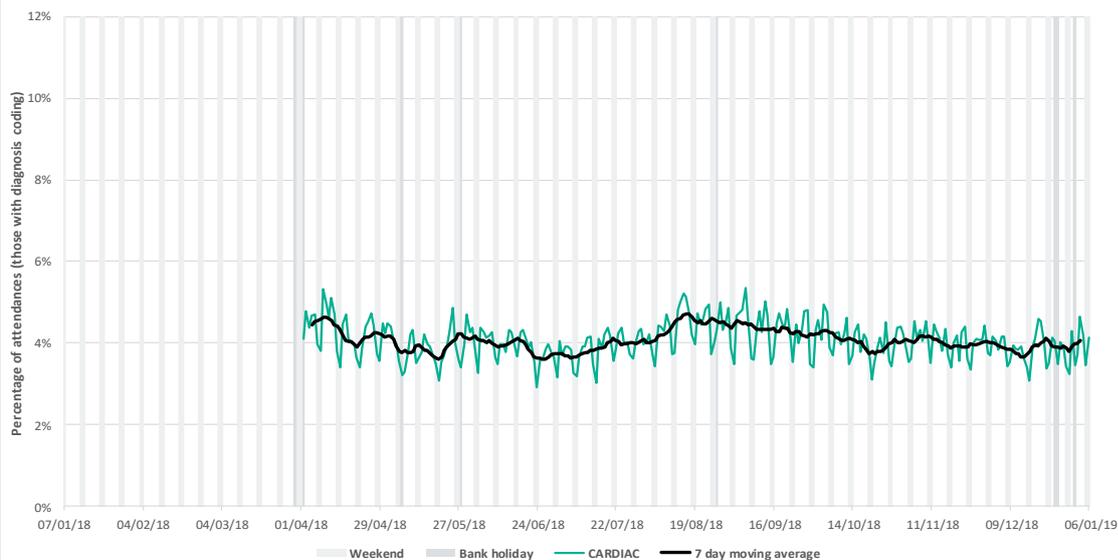
11a: Gastroenteritis by age group.

7 day moving average of gastroenteritis attendances presented as a proportion of the attendances within each age group.



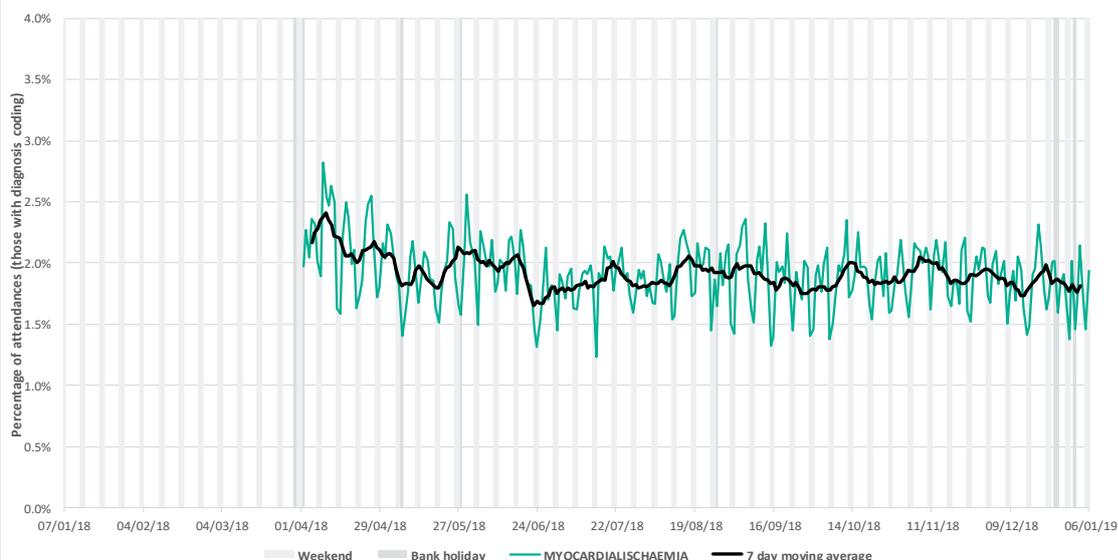
12: Cardiac.

Daily percentage of all attendances recorded as cardiac attendances across the EDSSS network.



13: Myocardial Ischaemia.

Daily percentage of all attendances recorded as myocardial ischaemia attendances across the EDSSS network.



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Notes and caveats:

- ▶ **National EDSSS** began operating in April 2018
- ▶ Following the introduction of the Emergency Care Data Set (ECDS) the national reporting of secondary care activity data through the commissioning data sets mechanism from EDs to NHS Digital became a daily feed:
<https://www.england.nhs.uk/ourwork/tsd/ec-data-set/>
- ▶ EDSSS receives an automated daily transfer of anonymised ED data from NHS Digital

- ▶ The number of EDs reporting through ECDS continues to increase
- ▶ Not all EDs currently provide data through ECDS on a daily basis
- ▶ EDs are eligible for inclusion in this report only where the **weekly EDSSS reporting criteria** have been met during the surveillance week reported:
 - Data relates to attendances at a type 1 ED
 - Data for 4 of the 7 days was received by PHE
 - Data for those days was received within 2 calendar days of the patient arrival
- ▶ Where an ED meets these criteria, all data received from that ED previous to the current surveillance week is included.
- ▶ EDs eligible for inclusion is likely to change each week, which will in turn affect the historical data inclusion

- ▶ Individual EDs will not be identified in syndromic surveillance reporting in these bulletins

- ▶ All EDs report diagnoses to EDSSS using SnomedCT codes. Where Snomed codes are not used the ED is excluded from indicator analysis
- ▶ The syndromic indicators presented in this bulletin are based on the SnomedCT diagnosis codes reported by EDs:
 - Respiratory:** All respiratory diseases and conditions (infectious and non infectious).
 - Acute Respiratory Infections (ARI):** All acute infectious respiratory diseases.
 - Asthma:** As indicated by title.
 - Bronchiolitis/ bronchitis:** As indicated by title (excluding 'chronic').
 - Influenza-like Illness (ILI):** As indicated by title.
 - Pneumonia:** As indicated by title.
 - Gastrointestinal:** All gastrointestinal diseases and conditions (infectious and non infectious).
 - Gastroenteritis:** All infectious gastrointestinal diseases.
 - Cardiac:** All cardiac conditions.
 - Myocardial Ischaemia:** All ischaemic heart disease.

- ▶ **Sentinel EDSSS** 2010 to March 2018, collected data through a bespoke, voluntary network of EDs across England and Northern Ireland
- ▶ **Sentinel EDSSS** reports be found in bulletins up to and including week 13 2018:
<https://www.gov.uk/government/collections/syndromic-surveillance-systems-and-analyses>

Acknowledgements:

We are grateful to the clinicians in each ED and other staff within each Trust for their continued involvement in the EDSSS.

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Emergency Department Syndromic Surveillance System Bulletin.

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