



27 November 2019

Year: 2019 Week: 47

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Key messages

Data to: 24 November 2019

During week 47, difficulty breathing calls continued to increase in line with other surveillance system indicators that signify seasonal influenza and respiratory syncytial virus activity is increasing.

Please note: during week 47 indicator graphs, trends and levels are based on data received from 9 ambulance trusts that have reported consistently during the week.

A Cold Watch system operates in England from 1 November to 31 March each year. As part of the Cold Weather Plan for England, the PHE Real-time Syndromic Surveillance team will be monitoring the impact of cold weather using 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/>

Syndromic indicators at a glance:

Indicator		Calls*	Trend [†]	Level [‡]
Breathing problems		16,107	increasing	above baseline levels
Heat/ cold exposure		58	no trend	similar to baseline levels
Falls/ back injuries - traumatic		13,252	no trend	above baseline levels
Cardiac	Cardiac/ respiratory arrest	2,144	increasing	above baseline levels
	Chest pain	11,872	no trend	above baseline levels
Overdose/ ingestion/ poisoning		3,670	decreasing	similar to baseline levels
Unconscious/ passing out		7,964	no trend	similar to baseline levels

* Number of syndromic calls received by PHE in the reporting week

[†] Trend is defined as the overall activity over the last few weeks

[‡] Current activity in comparison to historical baselines, which have been constructed using data from 1 January 2018

Data summary:

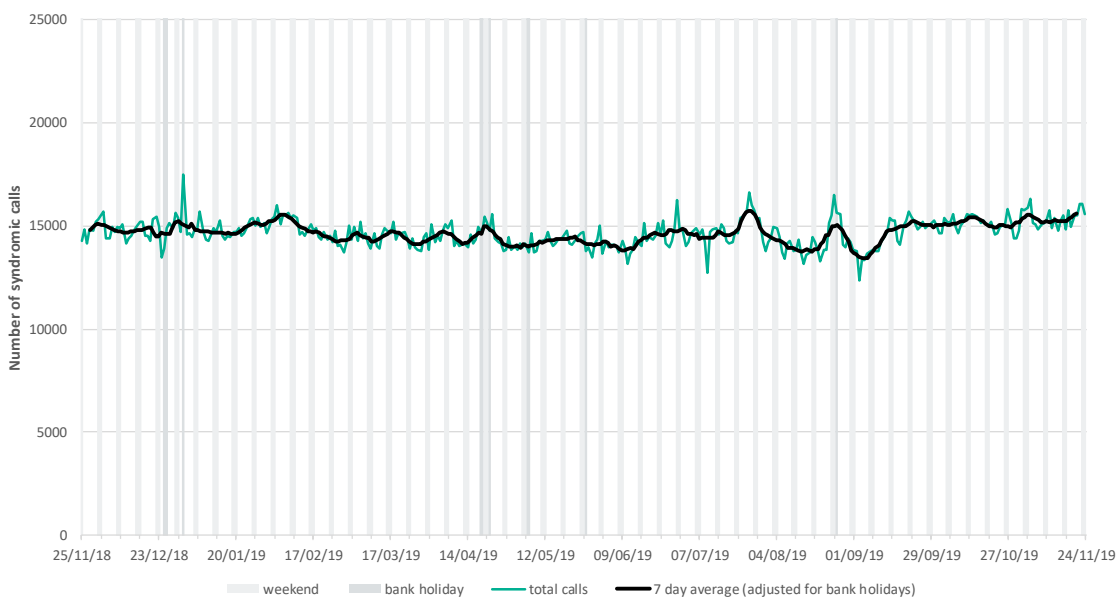
Daily total syndromic counts and number of English ambulance trusts for which data is included in this bulletin.

Day	Trusts*	Week 47
Monday	9	15,750
Tuesday	9	14,927
Wednesday	9	15,484
Thursday	9	15,508
Friday	9	16,042
Saturday	9	16,059
Sunday	9	15,597
Total	(max) 10	109,367

* Ambulance Trusts (England) submitting daily syndromic surveillance data included in report

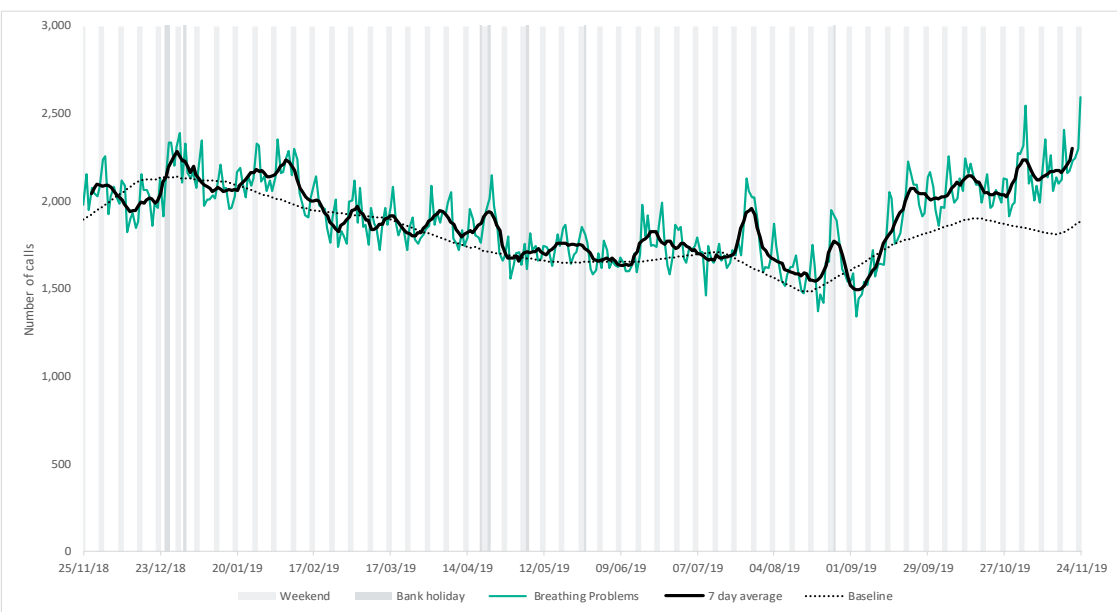
1: Total syndromic calls.

The total number of syndromic calls recorded each day, all ages, England.



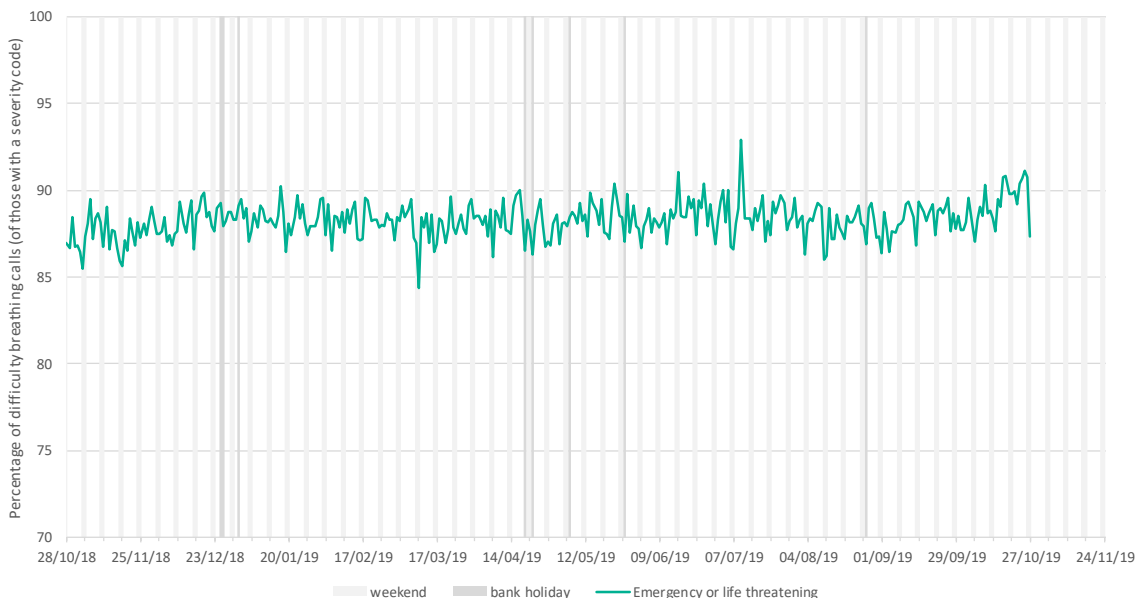
2: Breathing problems.

Daily number of calls related to 'breathing problems', England.



2a: Breathing problems: severity of illness.

Percentage of daily breathing problems calls categorised as emergency or life threatening.



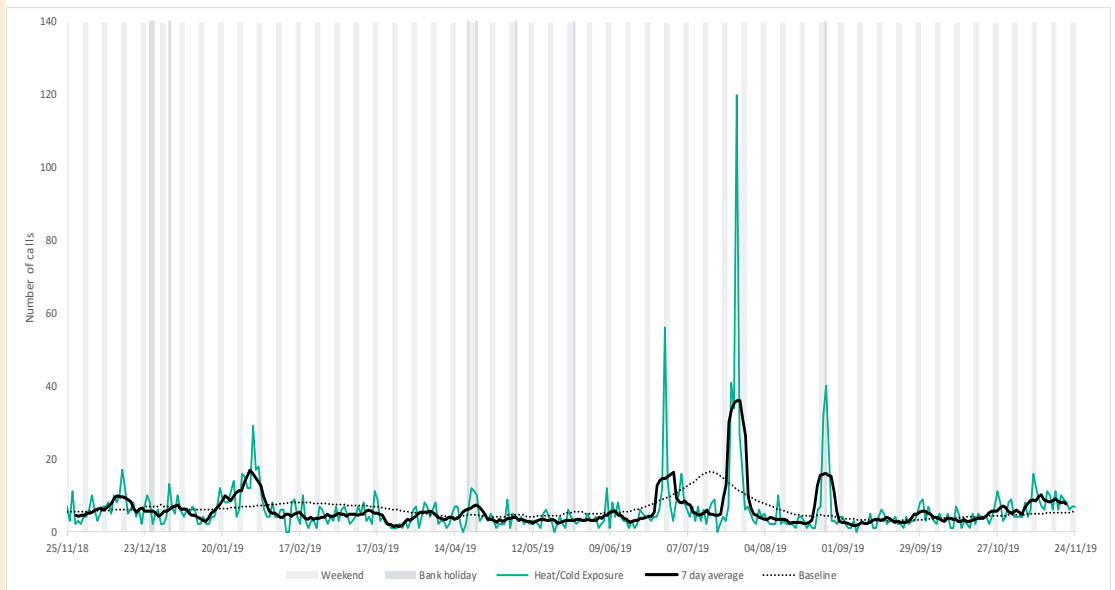
* 7-day moving average adjusted for bank holidays.

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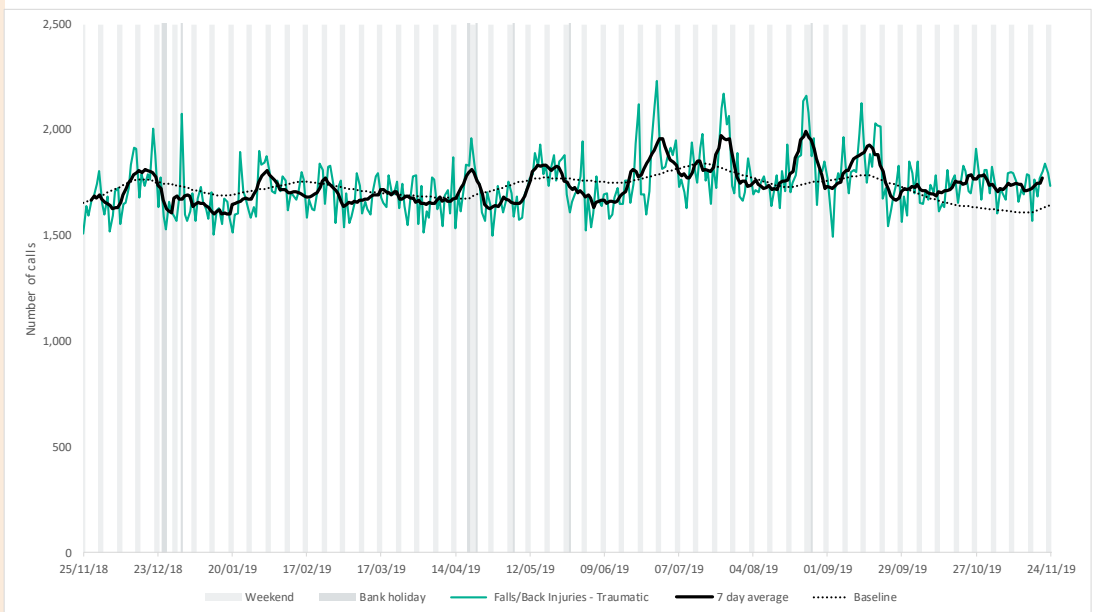
3: Heat/cold exposure.

Daily number of calls related to 'heat/ cold exposure, England.



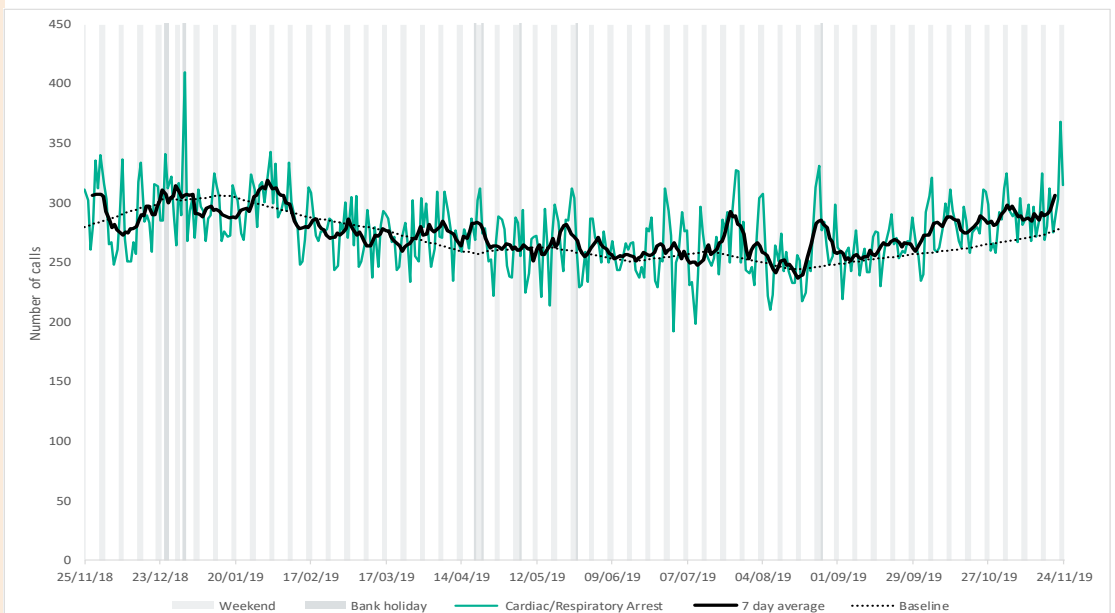
4: Falls/ back injury - traumatic.

Daily number of calls related to 'falls/ back injury - traumatic', England.



5: Cardiac/respiratory arrest.

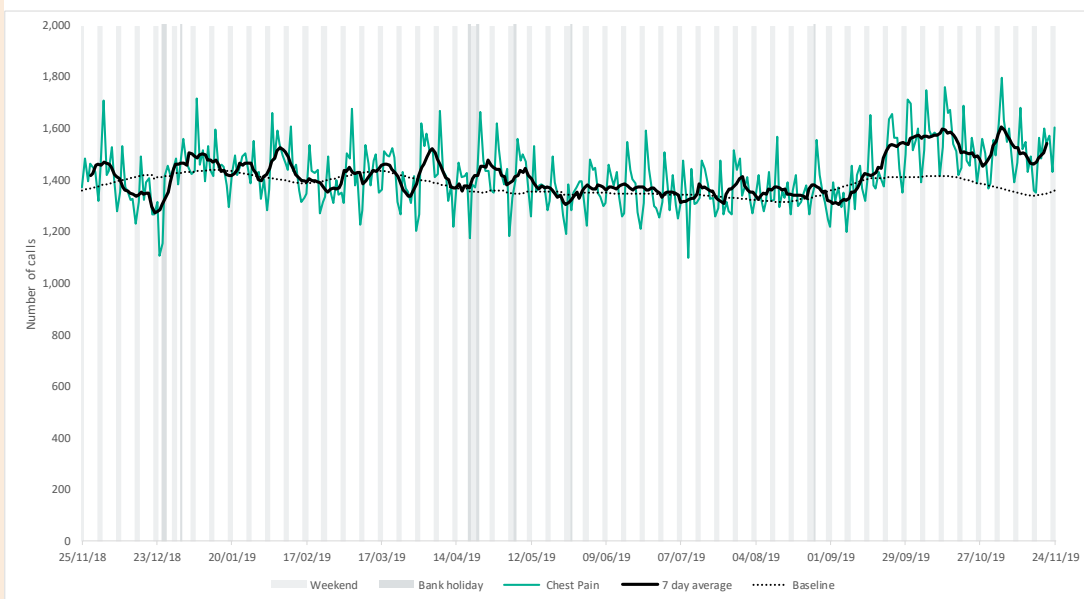
Daily number of calls related to 'cardiac/ respiratory arrest', England.



* 7-day moving average adjusted for bank holidays.

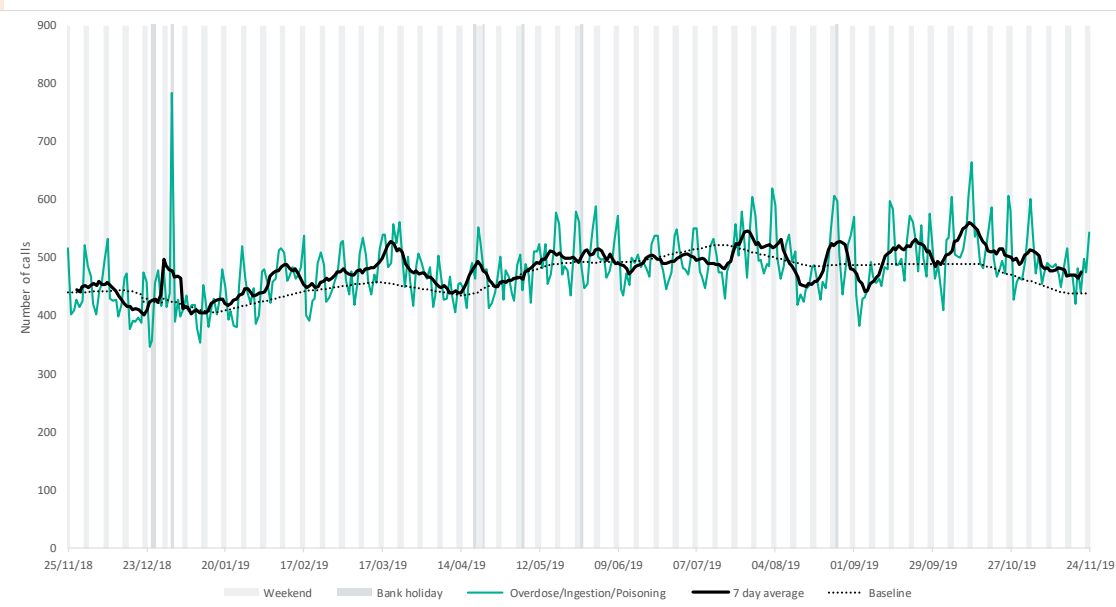
6: Chest pain.

Daily number of calls related to 'chest pain', England.



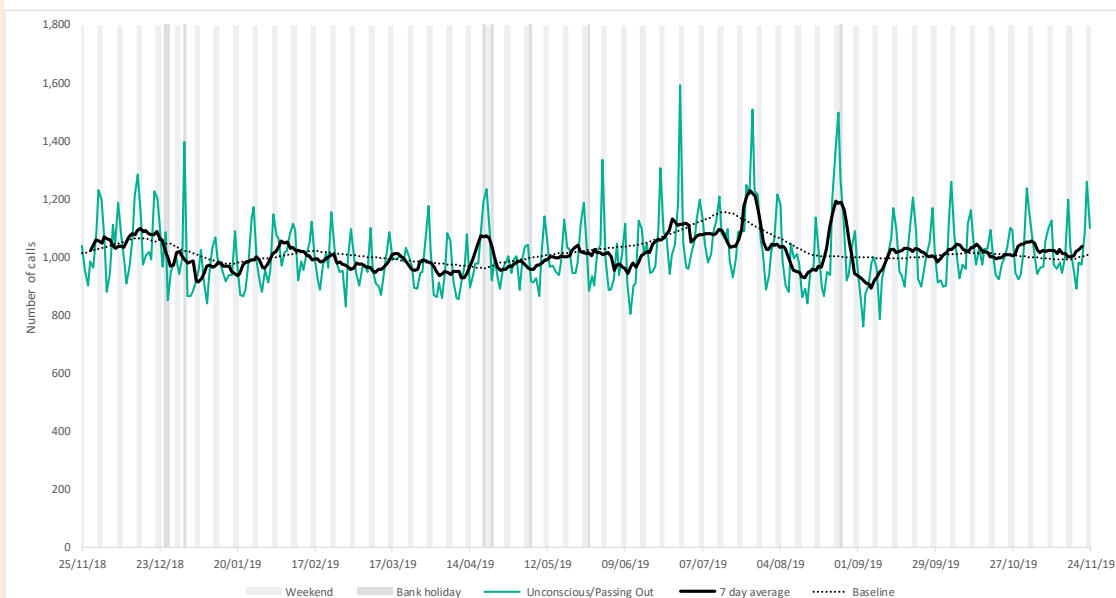
7: Overdose/ ingestion/ poisoning.

Daily number of calls related to 'overdose/ ingestion/ poisoning', England.



8: Unconscious/ Passing out.

Daily number of calls related to 'unconscious', England.



* 7-day moving average adjusted for bank holidays.

Introduction to charts:

- A 7-day moving average (adjusted for bank holidays) is overlaid on the daily data reported in each chart, unless specified.
 - Baselines have been constructed using historical data since 1 January 2018.
 - National ambulance syndromic surveillance (NASS) call data are analysed by the Real-time Syndromic Surveillance Team (ReSST) on a daily basis to identify national and regional trends. A statistical algorithm underpins each syndromic surveillance 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
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Notes and further information:

Coverage:

- Total syndromic calls includes all calls where the chief presenting complaint can be mapped to one of the syndromic indicators monitored by Public Health England.
- Some indicators are not routinely presented in this report.
- Total syndromic calls is lower than the total number of calls received by ambulance trusts.

Description of included NASS indicators:

- **Breathing Problems:** persons finding it difficult to breathe.
 - **Heat/Cold Exposure:** heat or cold exposure.
 - **Falls/Back Injuries - traumatic:** persons falling or having a back injury.
 - **Cardiac/Respiratory Arrest:** persons who have stopped or have ineffective breathing or/and no pulse.
 - **Chest Pain:** persons experiencing chest pain or chest discomfort.
 - **Overdose/Ingestion/Poisoning:** overdoses, ingestion of a substance or poisoning.
 - **Unconscious/Passing out:** persons who are unconscious, not alert or fainting.
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Acknowledgements:

We would like to thank:

- North East, North West, Yorkshire, East Midlands, West Midlands, East of England, London, South East Coast, South Central, and South Western NHS Ambulance Trusts for submitting anonymised, daily data to the National Ambulance Syndromic Surveillance system
 - The Association of Ambulance Chief Executives for their support in establishing this system.
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National Ambulance Syndromic Surveillance System Bulletin.

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