Public Health England

Vomiting.

Eye problems. Heat/sun impact.

Insect bites.

Introduction to charts. Notes and further information. Acknowledgements.

Remote Health Advice

Syndromic Surveillance System: England

10 October 2018		Year: 2018	Week: 40		
In This Issue: Key messages.	Key messages	Data to: 0	7 October 2018		
Syndromic indicators at a glance.	NHS 111 calls for cough continued to in	ocrease in week 40 in	line with		
Data summary.	seasonal expectations (figure 4), most notably in the 1-4 years age				
Indicators by syndrome.	(figure 4a).				
Total calls.					
Cold/flu.					
Fever.					
Cough.					
Difficulty Breathing.					
Sore throat.					
Diarrhoea.	L				

Syndromic indicators at a glance:

Indicator	Trend	Level *
Cold/flu	no trend	pre-epidemic threshold**
Fever	increasing	below baseline levels
Cough	increasing	below baseline levels
Difficulty breathing	decreasing	below baseline levels
Sore throat	no trend	below baseline levels
Diarrhoea	no trend	below baseline levels
Vomiting	increasing	below baseline levels
Eye problems	no trend	below baseline levels

*Since week 47 2014 new baselines have been introduced for comparison with previous years.

** Moving Epidemic Method (MEM) influenza activity threshold (see notes)

Data summary:

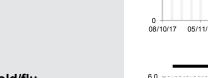
Year	Week	Total calls
2018	40	210,532

WW Public Health England

10 October 2018

1: Total calls.

The total number of syndromic calls recorded each day by NHS 111.



0.0

% of calls (within age group)

100000

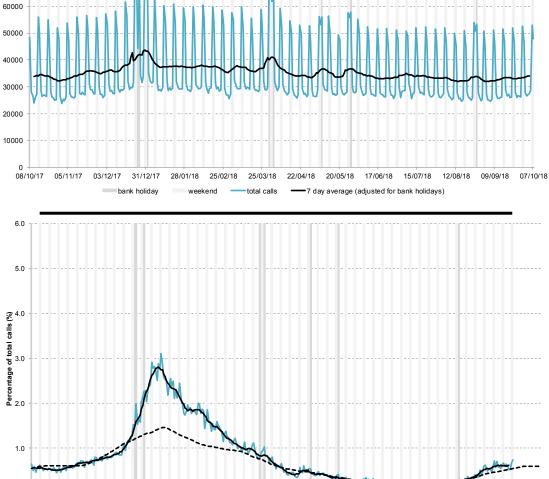
90000

80000

70000

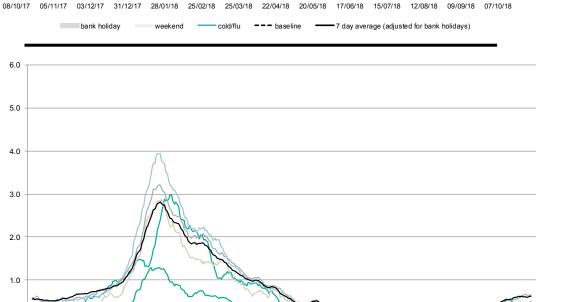
2: Cold/flu

Daily 'cold/flu' calls as a percentage of total calls. Baselines are constructed from historical data since 2013.



2a: Cold/flu by age group

Cold/flu calls as a percentage of total calls within each age group, shown as a 7 day moving average adjusted for bank holidays. Age groups below 5 years old not shown.



Remote Health Advice

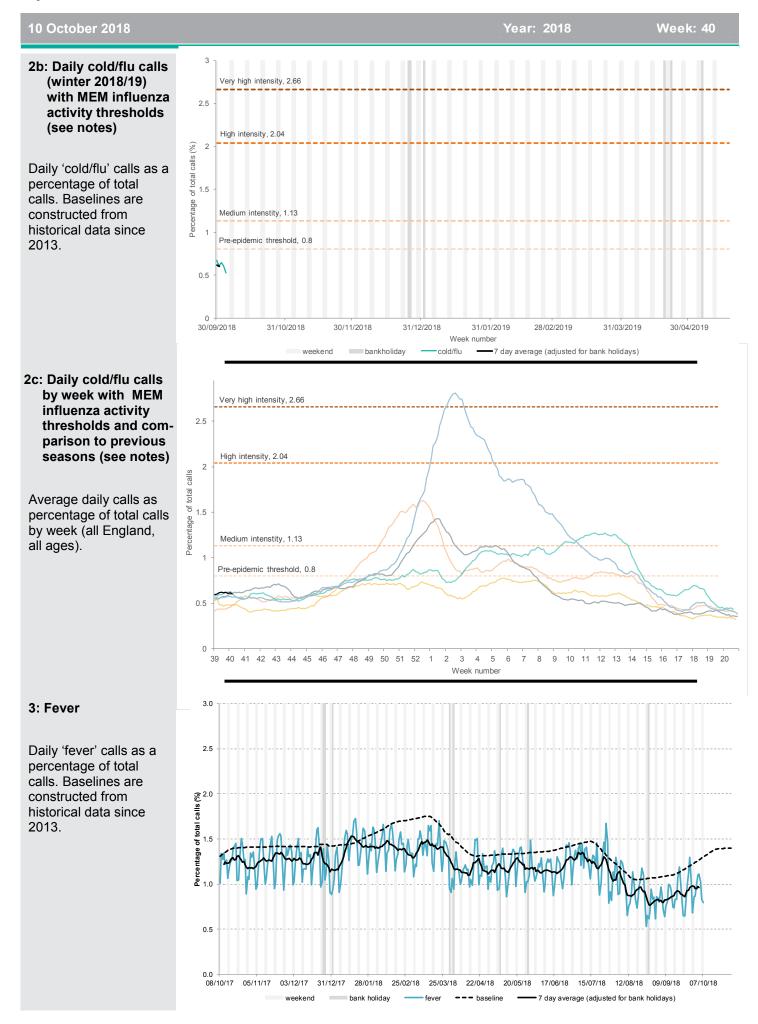
Year: 2018

Week: 40

0.0 09/10/17 06/11/17 04/12/17 01/01/18 29/01/18 26/02/18 26/03/18 23/04/18 21/05/18 18/06/18 16/07/18 13/08/18 10/09/18 08/10/18 5 to 14 15 to 44 45 to 64 65 to 74 - >74 All ages 2

WW Public Health England

Remote Health Advice



10 October 2018

4: Cough

Daily 'cough' calls as a percentage of total calls. Baselines are constructed from historical data since 2013.

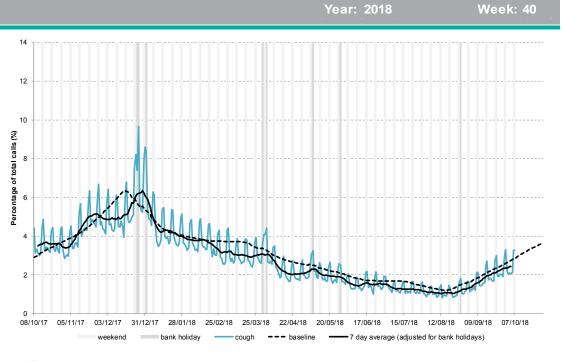
4a: Cough calls by age group

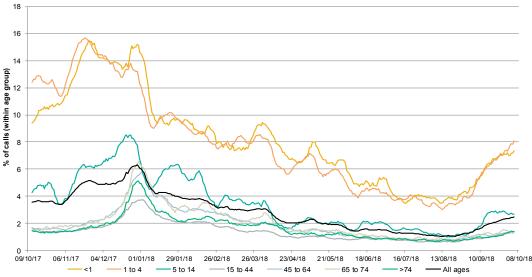
Difficulty breathing calls as a percentage of total calls within each age group, shown as a 7 day moving average adjusted for bank holidays.

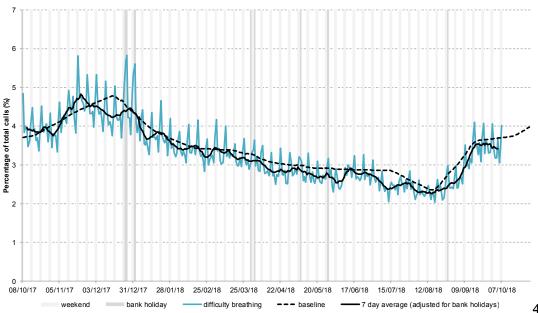


Daily 'difficulty breathing' calls as a percentage of total calls. Baselines are constructed from historical data since 2013.









Remote Health Advice

Week: 40

08/10/18



22/04/18 20/05/18 17/06/18 15/07/18 12/08/18 09/09/18 07/10/18

7 day average (adjusted for bank holidays)

10 October 2018

5a: Difficulty breathing calls by age group

14

12

10

8

6

0.0

08/10/17 05/11/17 03/12/17

weekend

31/12/17

28/01/18

bank holiday

25/02/18

25/03/18

--- baseline

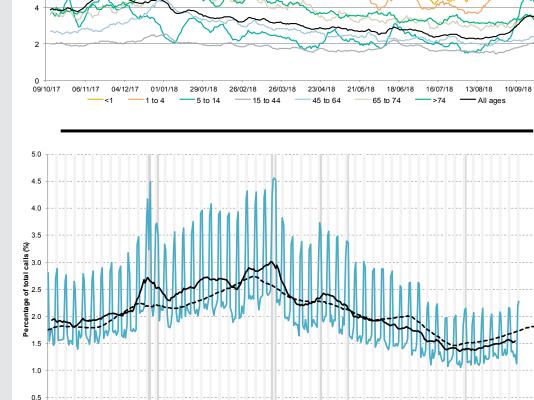
sore throat

% of calls (within age group)

Difficulty breathing calls as a percentage of total calls within each age group, shown as a 7 day moving average adjusted for bank holidays.

6: Sore throat

Daily 'sore throat' calls as a percentage of total calls. Baselines are constructed from historical data since 2013.



Intentionally blank

WW Public Health England

10 October 2018

7. Diarrhoea

Daily 'diarrhoea' calls as a percentage of total calls. Baselines are constructed from historical data since 2013.

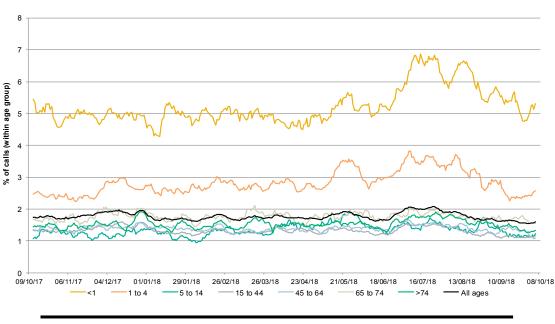
7a: Diarrhoea calls by age group

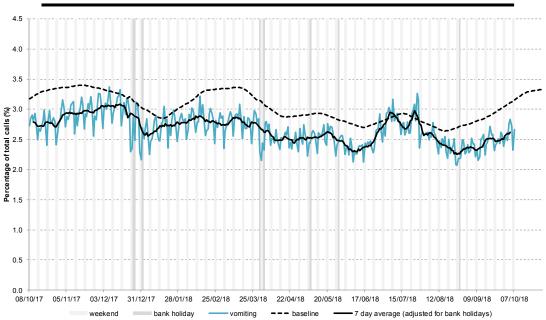
Daily 'diarrhoea' calls as a percentage of total calls. Baselines are constructed from historical data since 2013.

8: Vomiting calls

Daily 'vomiting' calls as a percentage of total calls. Baselines are constructed from historical data since 2013.







Remote Health Advice

www. Public Health England

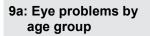
10 October 2018

8a: Vomiting calls by age group

Vomiting calls as a percentage of total calls within each age group, shown as a 7 day moving average adjusted for bank holidays.

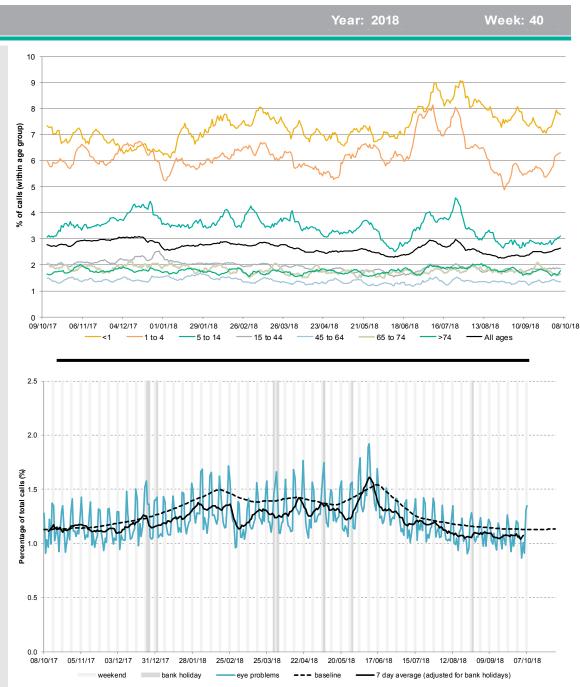
9: Eye problems

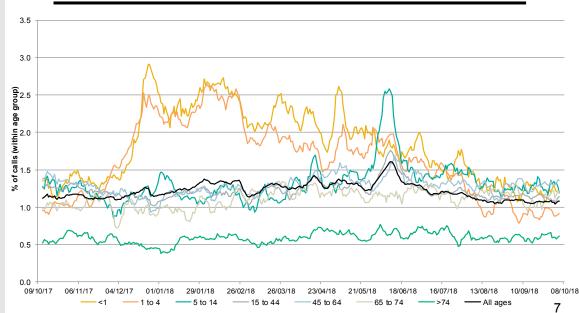
Daily 'eye problems' calls as a percentage of total calls. Baselines are constructed from historical data since 2013.



Eye problems calls as a percentage of total calls within each age group, shown as a 7 day moving average adjusted for bank holidays.







syndromic.surveillance

@phe.gov.uk

Remote Health Advice

10 October 2010		Veen 2010	Moole 40		
10 October 2018		Year: 2018	Week: 40		
Introduction to charts:	 Weekends and bank holidays are marke holidays darker grey). 	ds and bank holidays are marked by vertical grey lines (bank darker grey).			
	 A 7-day moving average (adjusted for ba data reported in each chart, unless specified 		aid on the daily		
	 Baselines represent seasonally expected constructed from historical data since Se account any known substantial changes coverage or reporting practices. Baseline data on a regular basis. 	eptember 2013. The in data collection, p	y take into opulation		
	 NHS 111 call data are analysed on a data regional trends. A statistical algorithm un identifying activity that has increased sig significantly high for the time of year. Re assessed by the ReSST, along with anal deemed of public health importance is all 	nderpins each syste nificantly or is statis sults from these dai lysis by age group,	m, routinely tically ly analyses are		
Moving Epidemic Method (MEM):	 During winter 2018/19 we are presenting influenza thresholds on selected indicate 		Method (MEM)		
	 The moving epidemic method or MEM is setting influenza thresholds across many MEM is used for NHS 111 cold/flu thresh MEM thresholds currently use five years thresholds are re-calculated every year. 	a standard method / European nations. holds at a national le	evel.		
	 'Pre-epidemic thresholds' are used along identify the start of influenza circulating if 40%, 95% and 97.5% intensity threshold influenza activity moves from low to med 'Vega T et al. Influenza Other Respir Viruses. 2013 	n the community. Is are used to identi lium, high or very hi	fy when		
Notes and further information:	• Further information about NHS 111 can				
	 http://www.nhs.uk/NHSEngland/AboutNH Emergencyandurgentcareservices/Page 				
	 The Remote Health Advice Syndromic S downloaded from the PHE Real-time Syn also contains more information about syn 	urveillance bulletin ndromic Surveillanc	e website which		
	 https://www.gov.uk/government/collectio and-analyses 	ns/syndromic-surve	illance-systems-		
Acknowledgements:	We are grateful to NHS 111 and to NH support in providing the anonymised ca Health Advice Syndromic Surveillance Sy	all data that underp			
	Remote Health Advice Syndromic S	Surveillance Svstem B	ulletin.		
Contact ReSST:	Produced by: PHE Real-time Syndron 1 st Floor, 5 St Philips Place, Tel: 0344 225 3560 > Option 4 > Optio	nic Surveillance Team Birmingham, B3 2PW			