Influenza activity in the United Kingdom is monitored using a variety of surveillance systems. The National Influenza Report, which interprets the data, is published weekly.

National and subnational outputs from the various surveillance systems are grouped according to the following categories:

- Community influenza surveillance
- Influenza-like illness GP consultation rates
- Influenza-confirmed hospitalisations
- All-cause mortality
- Microbiological surveillance
- Influenza vaccination

Influenza Section
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23 May 2019
Community influenza surveillance
Number of acute respiratory outbreaks by institution, UK

- Care home
- Hospital
- School
- Other

Week of report

Number

2017/18 - total no. of outbreaks

23 May 2019
## Number of acute respiratory outbreaks by PHE Centre

<table>
<thead>
<tr>
<th>Centre</th>
<th>Outbreaks reported in week 20</th>
<th>Cumulative number of outbreaks since week 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHE North East</td>
<td>1</td>
<td>41</td>
</tr>
<tr>
<td>PHE North West</td>
<td>0</td>
<td>186</td>
</tr>
<tr>
<td>PHE Yorkshire and Humber</td>
<td>1</td>
<td>97</td>
</tr>
<tr>
<td>PHE East Midlands</td>
<td>2</td>
<td>163</td>
</tr>
<tr>
<td>PHE West Midlands</td>
<td>1</td>
<td>158</td>
</tr>
<tr>
<td>PHE East of England</td>
<td>0</td>
<td>182</td>
</tr>
<tr>
<td>PHE London</td>
<td>0</td>
<td>59</td>
</tr>
<tr>
<td>PHE South East</td>
<td>4</td>
<td>204</td>
</tr>
<tr>
<td>PHE South West</td>
<td>2</td>
<td>210</td>
</tr>
</tbody>
</table>
Influenza-like illness GP consultation rates
RCGP ILI consultation rate, England

ILI rate per 100,000

Week number

2010-11
2017-18
2018-19

<13.1 Baseline threshold
13.1 to <24.7 Low
24.7 to <72.1 Medium
72.1 to <115.6 High
115.6+ Very high
GP ILI consultations in the UK for all ages with MEM thresholds applied

<table>
<thead>
<tr>
<th>GP ILI consultation rates (all ages)</th>
<th>Week number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>40</td>
</tr>
<tr>
<td>England (RCGP)</td>
<td>4.2</td>
</tr>
<tr>
<td>Wales</td>
<td>7.0</td>
</tr>
<tr>
<td>Scotland</td>
<td>7.1</td>
</tr>
<tr>
<td>Northern Ireland</td>
<td>3.8</td>
</tr>
</tbody>
</table>

Influenza-confirmed hospitalisations
Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population, England, since week 40 2018

Number of cases
Rate of hospital admission/100,000 (2018/19)
Rate of hospital admission/100,000 (2017/18)

*The Moving Epidemic Method (MEM) has been adopted by the European Centre for Disease Prevention and Control to calculate thresholds for ICU/HDU admission rates for the start of influenza activity (based on 6 seasons) in a standardised approach across Europe. For MEM threshold values, please visit: https://www.gov.uk/guidance/sources-of-uk-flu-data-influenza-surveillance-in-the-uk#disease-severity-and-mortality-data
Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population by PHE Centre, North East, North West and Yorkshire and Humber, since week 40 2018
Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population by PHE Centre, East Midlands, West Midlands and East of England since week 40 2018
Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population by PHE Centre, South East, South West and London, since week 40 2018
Influenza confirmed ICU admissions (USISS mandatory) by age and influenza subtype, since week 40 2018

Number of ICU admissions by age group and influenza subtype:

- A(H1N1)pdm09
- A(H3N2)
- A unknown subtype
- A not subtyped
- B

Age groups:
- <1
- 1-4
- 5-14
- 15-44
- 45-64
- 65-74
- 75+

Data as of 23 May 2019.
Weekly hospitalised influenza case rate per 100,000 trust catchment population, England, since week 40 2018

Weekly hospitalised influenza admission rate per 100,000 trust catchment population by PHE region, since week 40 2018

Rate of hospitalisation/100,000

2018/19 - North
2018/19 - Midlands + East
2018/19 - London
2018/19 - South East
2018/19 - South West
Influenza confirmed hospital admissions (USISS sentinel) by age and influenza subtype, since week 40 2018

- A(H1N1)pdm09
- A(H3N2)
- A unknown subtype
- B

Age group (years):
- <1
- 1-4
- 5-14
- 15-44
- 45-64
- 65+

Number of cases:
- <1
- 1-4
- 5-14
- 15-44
- 45-64
- 65+
All-cause mortality
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in 65+ year olds, England

Number of deaths

Year week

Deaths (corrected)
Baseline
Upper 2 z-score limit
Upper 6 z-score limit
Upper 8 z-score limit
Upper 10 z-score limit

2014/15 A(H3N2)
2015/16 A(H1N1)pdm09
2016/17 A(H3N2)
2017/18 B & A(H3N2)
2018/19 A(H1N1)pdm09/A(H3N2)

Return to main menu
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE North of England

- 2014/15 A(H3N2)
- 2015/16 A(H1N1)pdm09
- 2016/17 A(H3N2)
- 2017/18 B and A(H3N2)
- 2018/19 A(H1N1)pdm09/A(H3N2)

Deaths (corrected) vs Baseline vs Upper 2 z-score limit vs Upper 6 z-score limit.
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE Midlands and East of England.

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Return to main menu
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE London

23 May 2019
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE South of England

Number of deaths

Year week

2014/15 A(H3N2)
2015/16 A(H1N1)pdm09
2016/17 A(H3N2)
2017/18 B and A(H3N2)
2018/19 A(H1N1)pdm09/A(H3N2)

Deaths (corrected)
Baseline
Upper 2 z-score limit
Upper 6 z-score limit
Upper 8 z-score limit

23 May 2019
Microbiological surveillance
DataMart: Number and proportion of samples positive for influenza, by type, England

- Influenza A (n)
- Influenza B (n)
- Total influenza (%)
- 2017/18 total influenza (%)

Week number (of sample) vs. Proportion positive vs. Number of positive specimens
DataMart: Number and proportion of samples positive for influenza, by type, PHE North East of England

Week number (of sample)

Proportion positive (%)

Number of positive samples

FluA (n)

Influenza A (%)

FluB (n)

Influenza B(%)

23 May 2019
DataMart: Number and proportion of samples positive for influenza, by type, PHE North West of England

Week number (of sample)

Proportion positive (%)

Number of positive samples

FluA (n)

FluB (n)

Influenza A (%)  
Influenza B(%)
DataMart: Number and proportion of samples positive for influenza, by type, PHE Yorkshire and Humber

- **FluA (n)**
- **FluB (n)**
- **Influenza A (%)**
- **Influenza B(%)**

23 May 2019

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Public Health England
DataMart: Number and proportion of samples positive for influenza, by type, PHE East Midlands of England

- FluA (n)
- FluB (n)
- Influenza A (%)
- Influenza B(%)
DataMart: Number and proportion of samples positive for influenza, by type, PHE West Midlands of England

![Graph showing the number and proportion of positive samples for influenza A and B by week number.](Image)
DataMart: Number and proportion of samples positive for influenza, by type, PHE East of England

Week number (of sample)

Proportion positive (%)

Number of positive samples

FluA (n)  FluB (n)

Influenza A (%)  Influenza B (%)

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DataMart: Number and proportion of samples positive for influenza, by type, PHE London

Week number (of sample) vs Proportion positive (%)

- FluA (n)
- Influenza A (%)
- FluB (n)
- Influenza B(%)
DataMart: Number and proportion of samples positive for influenza, by type, PHE South East of England
DataMart: Number and proportion of samples positive for influenza, by type, PHE South West of England
DataMart: Proportion of samples positive for influenza, by age group
DataMart: Proportion of samples positive for other viruses

- Rhinovirus
- Parainfluenza
- hMPV
- Adenovirus

Proportion positive

Week number

23 May 2019
Influenza vaccination
Seasonal influenza vaccine uptake in targeted groups, 2018/19, England

- 65+yrs
- <65yrs at risk
- All pregnant women

2018/19 season indicated by bold lines, 2017/18 season indicated by fainter dashed lines
Seasonal influenza vaccine uptake in targeted groups, 2018/19, England

![Graph showing vaccine uptake over weeks for 2 years and 3 years, with 2018/19 season indicated by bold lines and 2017/18 season indicated by fainter dashed lines.]

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Links

• Sources of UK flu surveillance data:

• Weekly flu report