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
Community influenza surveillance
Number of acute respiratory outbreaks by institution, UK

Week of report

- Care home
- Hospital
- School
- Other

2017/18 - total no. of outbreaks
Number of acute respiratory outbreaks by PHE Centre

<table>
<thead>
<tr>
<th>Centre</th>
<th>Outbreaks reported in week 11</th>
<th>Cumulative number of outbreaks since week 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHE North East</td>
<td>4</td>
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<tr>
<td>PHE North West</td>
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<tr>
<td>PHE Yorkshire and Humber</td>
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<tr>
<td>PHE East Midlands</td>
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<td>PHE West Midlands</td>
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<td>PHE East of England</td>
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<td>PHE London</td>
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<td>56</td>
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<tr>
<td>PHE South East</td>
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<td>163</td>
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<tr>
<td>PHE South West</td>
<td>6</td>
<td>172</td>
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</table>
Influenza-like illness GP consultation rates
GP ILI consultations in the UK for all ages with MEM thresholds applied

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

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

[Graph showing weekly ICU/HDU admission rates for North East, North West, and Yorkshire and Humber from week 40 to 52 in the 2018/19 season.]
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

2018/19 - South East
2018/19 - South West
2018/19 - London
Influenza confirmed ICU admissions (USISS mandatory) by age and influenza subtype, since week 40 2018
Weekly hospitalised influenza case rate per 100,000 trust catchment population, England, since week 40 2018

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

Rate of hospitalisation/100,000

Week

- 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

Age group (years)

- <1
- 1-4
- 5-14
- 15-44
- 45-64
- 65+

Influenza subtypes:
- A(H1N1)pdm09
- A(H3N2)
- A unknown subtype
- B

Number

0 - 1800
All-cause mortality
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in 65+ year olds, England

Number of deaths

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

Year week

2014/15 A(H3N2)
2015/16 A(H1N1)pdm09
2016/17 A(H3N2)
2017/18 B & A(H3N2)
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE North 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)

Deaths (corrected) Baseline

Upper 2 z-score limit

Upper 6 z-score limit Upper 8 z-score limit


Return to main menu
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE Midlands and East of England
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE London
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE South of England
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
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)
- Influenza A (%)
- FluB (n)
- Influenza B(%)
DataMart: Number and proportion of samples positive for influenza, by type, PHE East Midlands of England

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

Proportion positive (%) vs Week number (of sample) for FluA and FluB. The graph shows peaks in positive samples and proportion positive for influenza A and B throughout the year.
DataMart: Number and proportion of samples positive for influenza, by type, PHE West Midlands of England

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

![Graph showing number and proportion of samples positive for influenza, by type, PHE London]
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
Influenza vaccination
Seasonal influenza vaccine uptake in targeted groups, 2018/19, England

Vaccine uptake (%)

Week number

- 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

Vaccine uptake (%)

Week number

2018/19 season indicated by bold lines, 2017/18 season indicated by fainter dashed lines
Links

• Sources of UK flu surveillance data:

• Weekly flu report