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
Immunisations and Countermeasures Division
Centre for Infectious Disease Surveillance and Control
Public Health England
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Community influenza surveillance
Number of acute respiratory outbreaks by institution, UK

Week of report

Number

- Care home
- Hospital
- School
- Other

- 2017/18 - total no. of outbreaks

24 January 2019
# Number of acute respiratory outbreaks by PHE Centre

<table>
<thead>
<tr>
<th>PHE Centre</th>
<th>Outbreaks reported in week 03</th>
<th>Cumulative number of outbreaks since week 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHE North East</td>
<td>4</td>
<td>14</td>
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<tr>
<td>PHE North West</td>
<td>11</td>
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<tr>
<td>PHE Yorkshire and Humber</td>
<td>12</td>
<td>45</td>
</tr>
<tr>
<td>PHE East Midlands</td>
<td>13</td>
<td>63</td>
</tr>
<tr>
<td>PHE West Midlands</td>
<td>10</td>
<td>63</td>
</tr>
<tr>
<td>PHE East of England</td>
<td>12</td>
<td>106</td>
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<tr>
<td>PHE London</td>
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<td>22</td>
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<tr>
<td>PHE South East</td>
<td>16</td>
<td>71</td>
</tr>
<tr>
<td>PHE South West</td>
<td>10</td>
<td>75</td>
</tr>
</tbody>
</table>
Influenza-like illness GP consultation rates
RCGP ILI consultation rate, England

ILI rate per 100,000

Week number

<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

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GP ILI consultations in the UK for all ages with MEM thresholds applied

*The Moving Epidemic Method (MEM) has been adopted by the European Centre for Disease Prevention and Control to calculate thresholds for GP ILI consultations for the start of influenza activity (based on 10 seasons excluding 2009/10), in a standardised approach across Europe. For MEM threshold values for each country, please visit: https://www.gov.uk/guidance/sources-of-uk-flu-data-influenza-surveillance-in-the-uk#clinical-surveillance-through-primary-care.*
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
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

Week number

Rate of ICU/HDU admissions per 100,000 trust catchment population

Influenza confirmed ICU admissions (USISS mandatory) by age and influenza subtype, since week 40 2018

![Bar chart showing number of ICU admissions by age group and influenza subtype.](chart)

**Age group (years) vs Number**

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

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Influenza confirmed hospital admissions (USISS sentinel) by age and influenza subtype, since week 40 2018
All-cause mortality
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in 65+ year olds, England
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE North of England

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

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

Number of deaths

Year week

Deaths (corrected)  Baseline

Upper 2 z-score limit  Upper 6 z-score limit

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

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

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 East Midlands of England

[Graph showing the number of positive samples and proportion positive for FluA and FluB over the weeks.]

Week number (of sample) vs. Proportion positive (%) and Number of positive samples.
DataMart: Number and proportion of samples positive for influenza, by type, PHE West Midlands of England

Number of positive samples

Proportion positive (%)

Week number (of sample)

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

![Graph showing number of positive samples and proportion positive over time for FluA and FluB](image-url)
DataMart: Number and proportion of samples positive for influenza, by type, PHE London

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

![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 West of England

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

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DataMart: Proportion of samples positive for influenza, by age group

Proportion positive

Week number

65+yrs  45-64yrs  15-44yrs  5-14yrs  <5yrs
DataMart: Proportion of samples positive for other viruses

Proportion positive

Week number

Rhinovirus
Parainfluenza
hMPV
Adenovirus

Proportion positive

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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

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

Week number vs. Vaccine uptake (%)

- 2 years
- 3 years
Links

• Sources of UK flu surveillance data:

• Weekly flu report