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
respсидс@phe.gov.uk
Community influenza surveillance
Number of acute respiratory outbreaks by institution, UK

- Care home
- Hospital
- School
- Other

2018/19 - total no. of outbreaks

Week of report

Number
## Number of acute respiratory outbreaks by PHE Centre

<table>
<thead>
<tr>
<th>Centre</th>
<th>Outbreaks reported in week 06</th>
<th>Cumulative number of outbreaks since week 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHE North East</td>
<td>2</td>
<td>180</td>
</tr>
<tr>
<td>PHE North West</td>
<td>0</td>
<td>253</td>
</tr>
<tr>
<td>PHE Yorkshire and Humber</td>
<td>4</td>
<td>196</td>
</tr>
<tr>
<td>PHE East Midlands</td>
<td>3</td>
<td>139</td>
</tr>
<tr>
<td>PHE West Midlands</td>
<td>1</td>
<td>130</td>
</tr>
<tr>
<td>PHE East of England</td>
<td>4</td>
<td>159</td>
</tr>
<tr>
<td>PHE London</td>
<td>0</td>
<td>29</td>
</tr>
<tr>
<td>PHE South East</td>
<td>6</td>
<td>155</td>
</tr>
<tr>
<td>PHE South West</td>
<td>6</td>
<td>242</td>
</tr>
</tbody>
</table>
Influenza-like illness GP consultation rates
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.*

<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>4.3</td>
</tr>
<tr>
<td>Wales</td>
<td>1.7</td>
</tr>
<tr>
<td>Scotland</td>
<td>5.1</td>
</tr>
<tr>
<td>Northern Ireland</td>
<td>3.9</td>
</tr>
</tbody>
</table>

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Influenza-confirmed hospitalisations
Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population, England, since week 40 2019

*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 2019
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 2019

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

- 2019/20 - East Midlands
- 2019/20 - West Midlands
- 2019/20 - East of England

Week number
Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population by PHE Centre, South East, South West and London, since week 40 2019.

- **2019/20 - South East**
- **2019/20 - South West**
- **2019/20 - London**
Influenza confirmed ICU admissions (USISS mandatory) by age and influenza subtype, since week 40 2019

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Weekly hospitalised influenza case rate per 100,000 trust catchment population, England, since week 40 2019

*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 2019.
Influenza confirmed hospital admissions (USISS sentinel) by age and influenza subtype, since week 40 2019

- **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:
- 0
- 100
- 200
- 300
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800

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All-cause mortality
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, England
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE North of England
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

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

[Graph showing excess mortality data over years with specific weeks highlighted]
Microbiological surveillance
DataMart: Number and proportion of samples positive for influenza, by type, England

- Influenza A (n)
- Influenza B (n)
- Total influenza (%)
- 2018/19 total influenza (%)

Week number (of sample)

Proportion positive

Number of positive specimens

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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

FluB (n)  FluA (n)

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

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

Week number (of sample)

Proportion positive (%)

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

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

Chart showing the number of positive samples for influenza A and B over weeks 39 to 19, with proportions of positive samples indicated by bars and lines.
DataMart: Number and proportion of samples positive for influenza, by type, PHE South East of England

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

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

Week number (of sample)

Proportion positive (%)

Number of positive samples

FluB (n)  FluA (n)
Influenza A (%)  Influenza B(%)
DataMart: Proportion of samples positive for RSV, by age group
DataMart: Proportion of samples positive for other viruses

- RSV
- Rhinovirus
- Parainfluenza
- hMPV
- Adenovirus

Proportion positive vs Week number
Influenza vaccination
Seasonal influenza vaccine uptake in targeted groups, 2019/20, England

Vaccine uptake (%) vs Week number

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

2019/20 season indicated by bold lines, 2018/19 season indicated by fainter dashed lines
Seasonal influenza vaccine uptake in targeted groups, 2019/20, England

Vaccine uptake (%) vs. Week number

- 2 years
- 3 years

2019/20 season indicated by bold lines, 2018/19 season indicated by fainter dashed lines
Sources of UK flu surveillance data:

Weekly flu report