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
respscidsc@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
Number of acute respiratory outbreaks by PHE Centre

<table>
<thead>
<tr>
<th>PHE Centre</th>
<th>Outbreaks reported in week 09</th>
<th>Cumulative number of outbreaks since week 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHE North East</td>
<td>1</td>
<td>181</td>
</tr>
<tr>
<td>PHE North West</td>
<td>1</td>
<td>260</td>
</tr>
<tr>
<td>PHE Yorkshire and Humber</td>
<td>0</td>
<td>200</td>
</tr>
<tr>
<td>PHE East Midlands</td>
<td>5</td>
<td>150</td>
</tr>
<tr>
<td>PHE West Midlands</td>
<td>2</td>
<td>135</td>
</tr>
<tr>
<td>PHE East of England</td>
<td>7</td>
<td>171</td>
</tr>
<tr>
<td>PHE London</td>
<td>2</td>
<td>32</td>
</tr>
<tr>
<td>PHE South East</td>
<td>6</td>
<td>169</td>
</tr>
<tr>
<td>PHE South West</td>
<td>5</td>
<td>256</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>

5 March 2020

Return to main menu
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

5 March 2020
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

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

- 2019/20 - South East
- 2019/20 - South West
- 2019/20 - London

Week number 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
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

5 March 2020
Weekly hospitalised influenza admission rate per 100,000 trust catchment population by PHE region, since week 40 2019

Rate of hospitalisation/100,000

Week number

2019/20 - 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 2019.

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

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

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**Number**
- <1
- 1-4
- 5-14
- 15-44
- 45-64
- 65+ (with separate bars for each subtype)

---

5 March 2020
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
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 (%)
- 2018/19 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

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

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

5 March 2020
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 (%)

Number of positive samples

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

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 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 RSV, 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

- RSV
- Rhinovirus
- Parainfluenza
- hMPV
- Adenovirus
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

2019/20 season indicated by bold lines, 2018/19 season indicated by fainter dashed lines

Vaccine uptake (%) vs. Week number

- 2 years
- 3 years
Links

• Sources of UK flu surveillance data:

• Weekly flu report