



# PHE Influenza Surveillance graphs

- 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](#)

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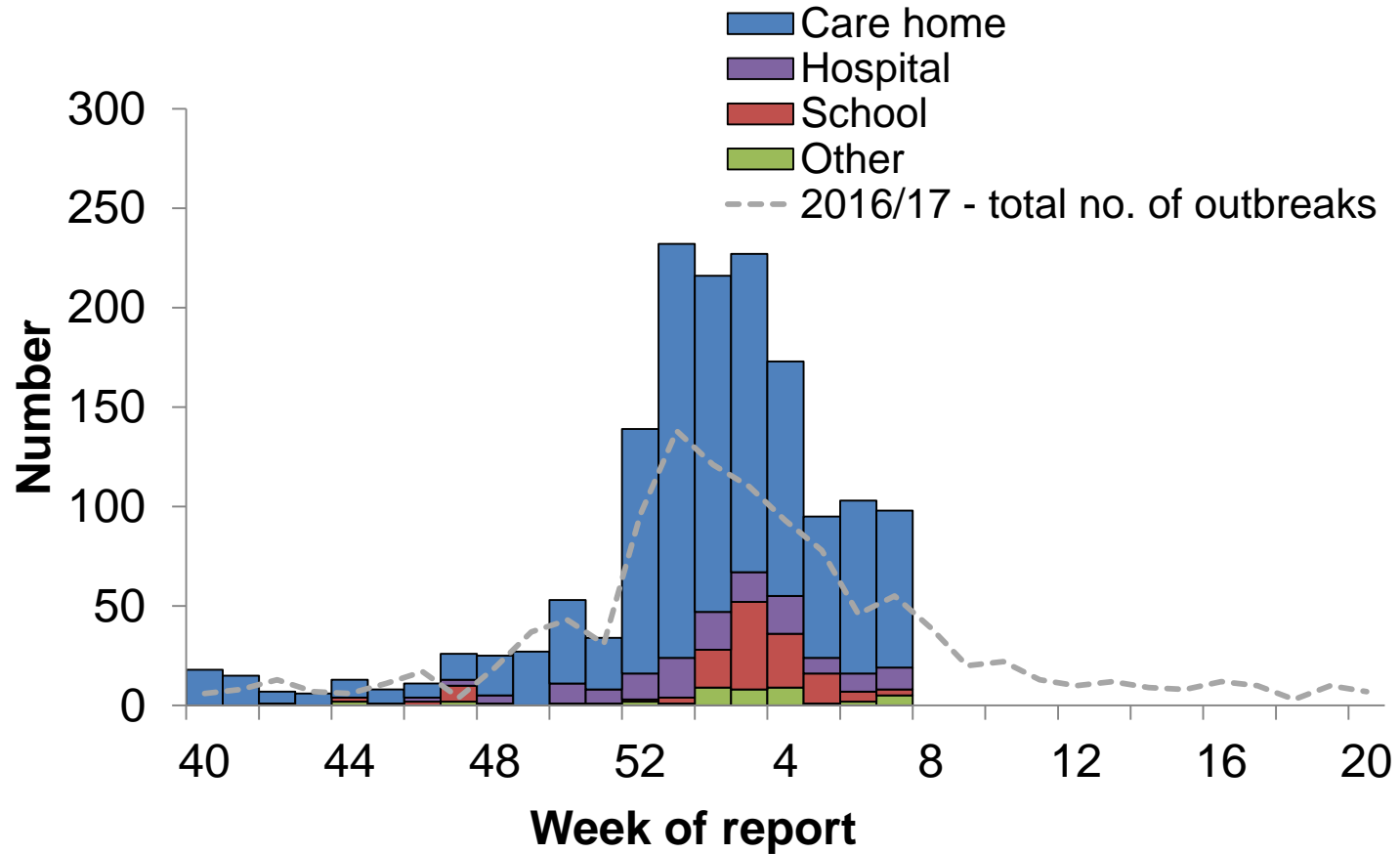


Public Health  
England

# Community influenza surveillance



# Number of acute respiratory outbreaks by institution, UK





## Number of acute respiratory outbreaks by PHE Region

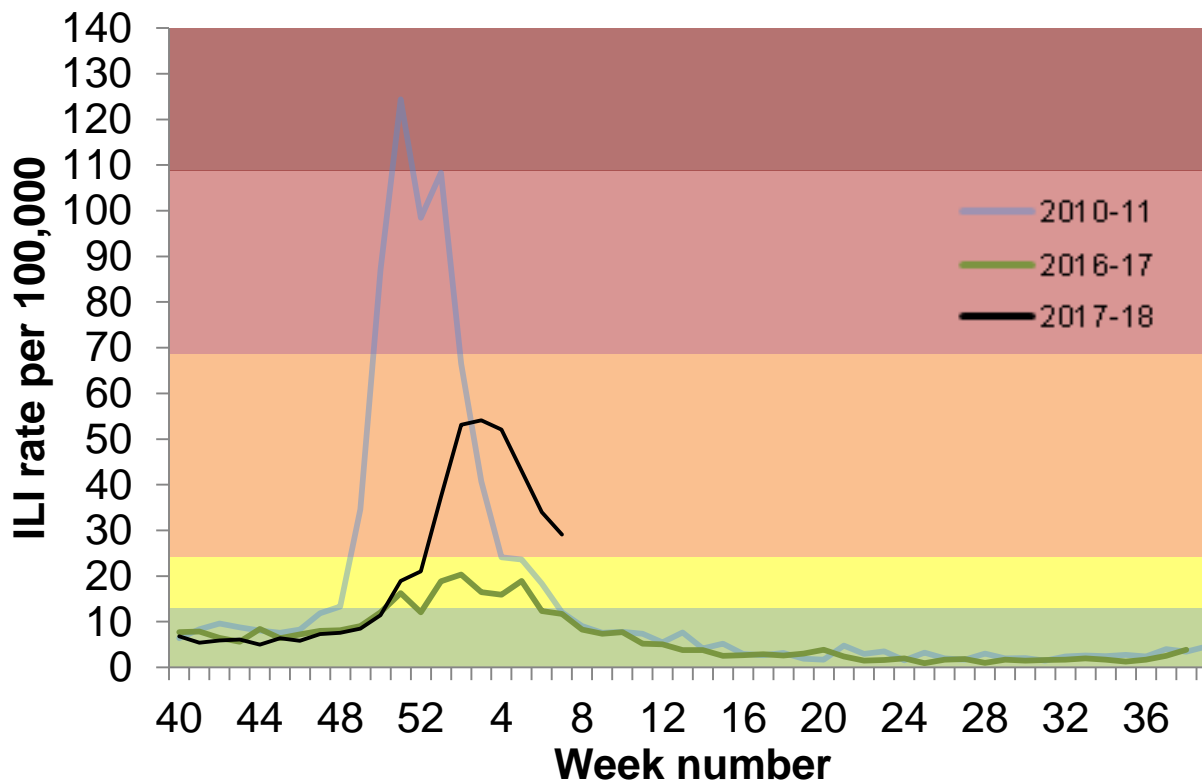
|                                  | Outbreaks reported in week 07 | Cumulative number of outbreaks since week 40 |
|----------------------------------|-------------------------------|--|
| PHE North of England             | 27                            | 384  |
| PHE Midlands and East of England | 30                            | 442  |
| PHE London                       | 4                             | 61   |
| PHE South of England             | 23                            | 474  |



# Influenza-like illness GP consultation rates



# RCGP ILI consultation rate, England



<13.1

**Baseline threshold**

13.1 to <24.2

**Low**

24.2 to <68.7

**Medium**

68.7 to <108.9

**High**

108.9+

**Very high**



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

| GP ILI consultation rates (all ages) | Week number |      |     |      |      |      |      |     |     |      |      |      |      |       |       |       |      |      |      |      |
|--------------------------------------|-------------|------|-----|------|------|------|------|-----|-----|------|------|------|------|-------|-------|-------|------|------|------|------|
|                                      | 40          | 41   | 42  | 43   | 44   | 45   | 46   | 47  | 48  | 49   | 50   | 51   | 52   | 1     | 2     | 3     | 4    | 5    | 6    | 7    |
| England (RCGP)                       | 6.8         | 5.4  | 5.9 | 6.1  | 5.0  | 6.4  | 5.9  | 7.3 | 7.6 | 8.5  | 11.4 | 18.9 | 21.0 | 37.3  | 53.1  | 54.1  | 52.1 | 43.0 | 34.0 | 29.1 |
| Wales                                | 5.7         | 6.5  | 6.6 | 5.4  | 5.0  | 5.4  | 6.2  | 6.4 | 5.9 | 6.4  | 8.7  | 13.2 | 16.7 | 36.4  | 62.1  | 74.7  | 53.0 | 52.4 | 44.3 | 42.8 |
| Scotland                             | 10.0        | 15.3 | 8.3 | 10.8 | 12.4 | 11.7 | 10.3 | 9.1 | 9.4 | 18.4 | 32.5 | 40.3 | 44.9 | 107.2 | 113.9 | 102.1 | 82.3 | 45.5 | 30.3 | 39.4 |
| Northern Ireland                     | 3.4         | 3.9  | 3.7 | 3.3  | 4.0  | 3.6  | 4.5  | 5.3 | 4.0 | 8.2  | 10.1 | 20.7 | 22.7 | 52.6  | 65.2  | 52.1  | 44.2 | 29.0 | 30.6 | 25.2 |

*\*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> .*



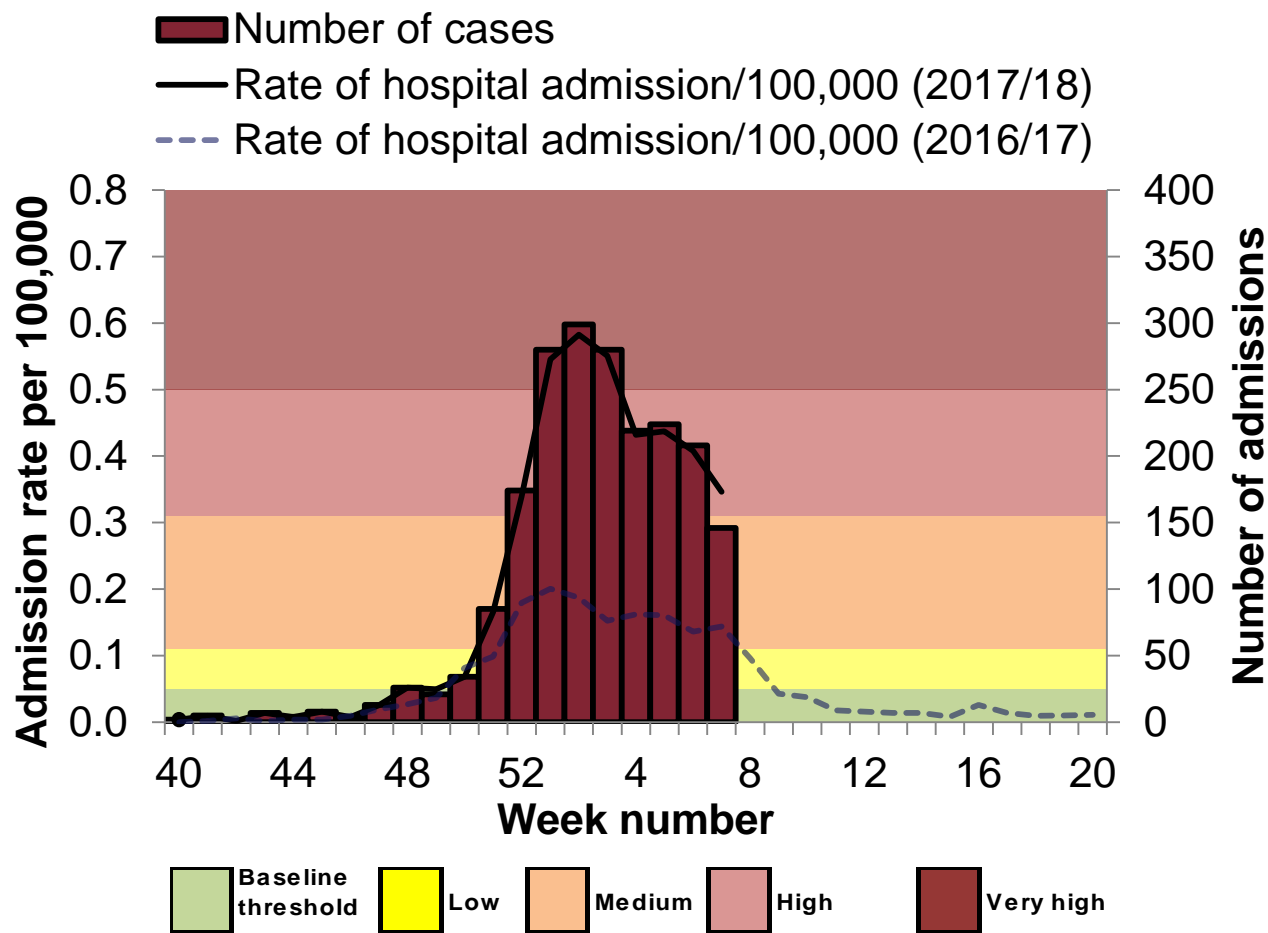
Public Health  
England

# Influenza-confirmed hospitalisations





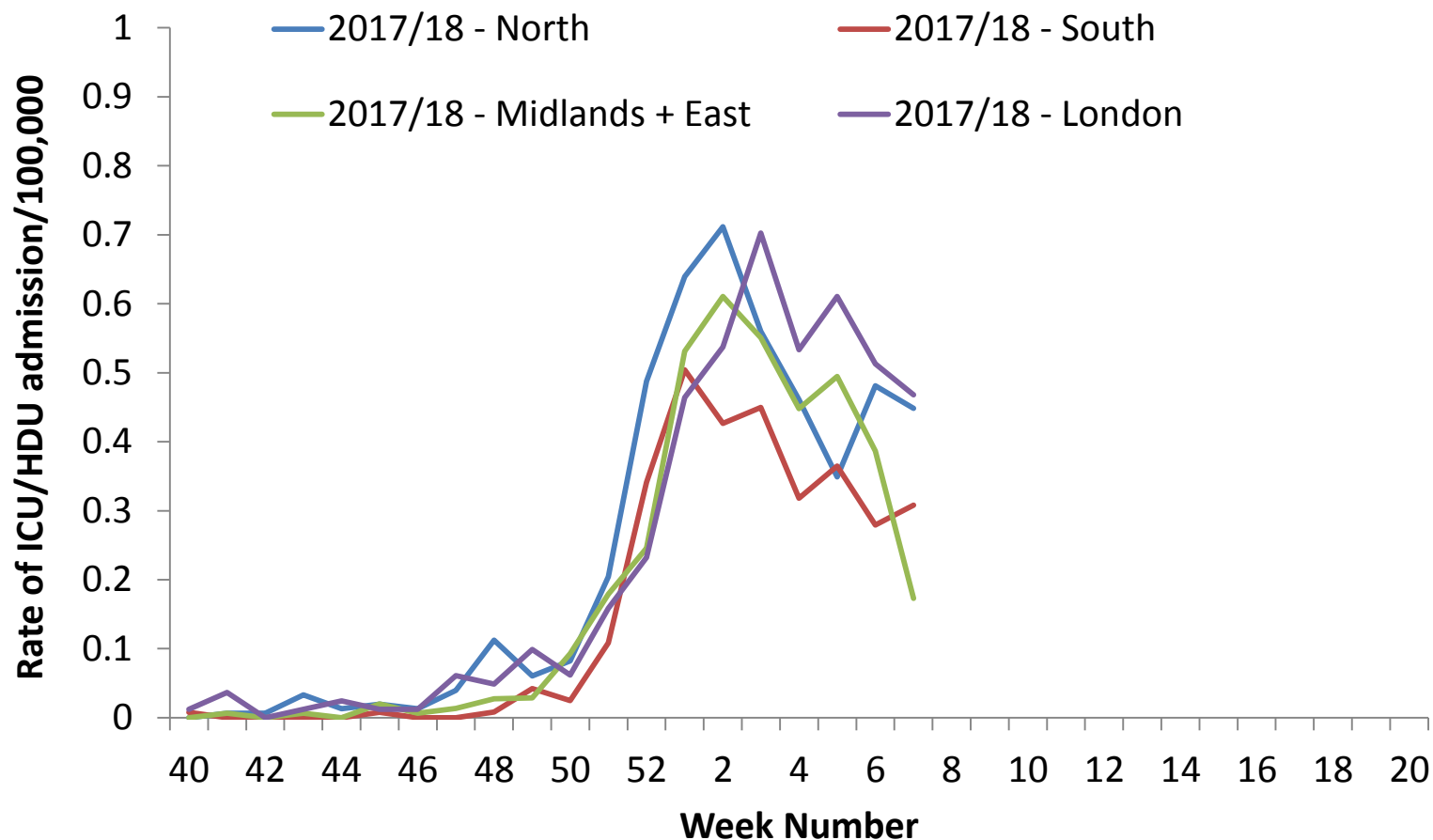
# Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population , England, since week 40 2017



\*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>

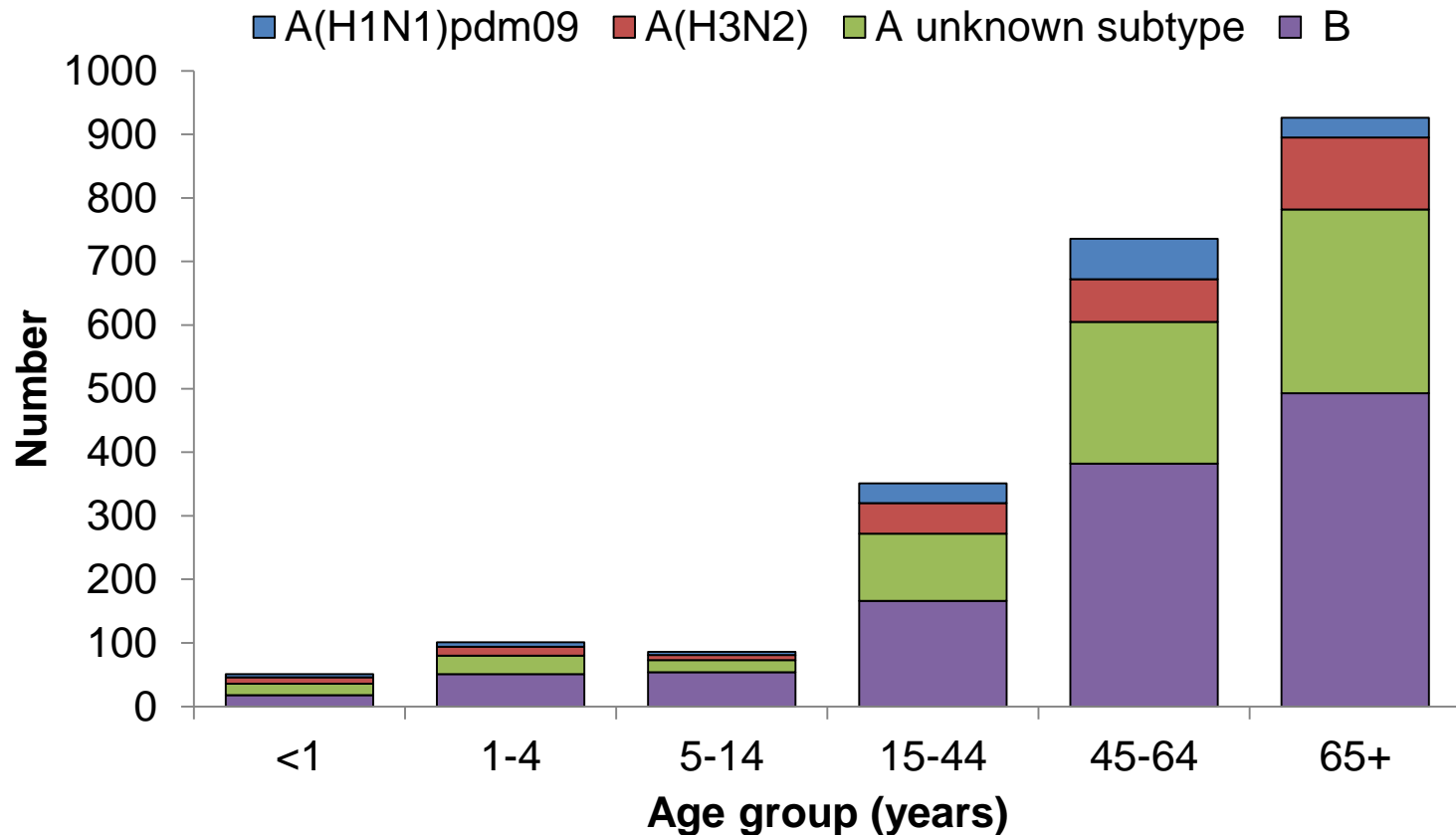


# Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population by PHE region, since week 40 2017



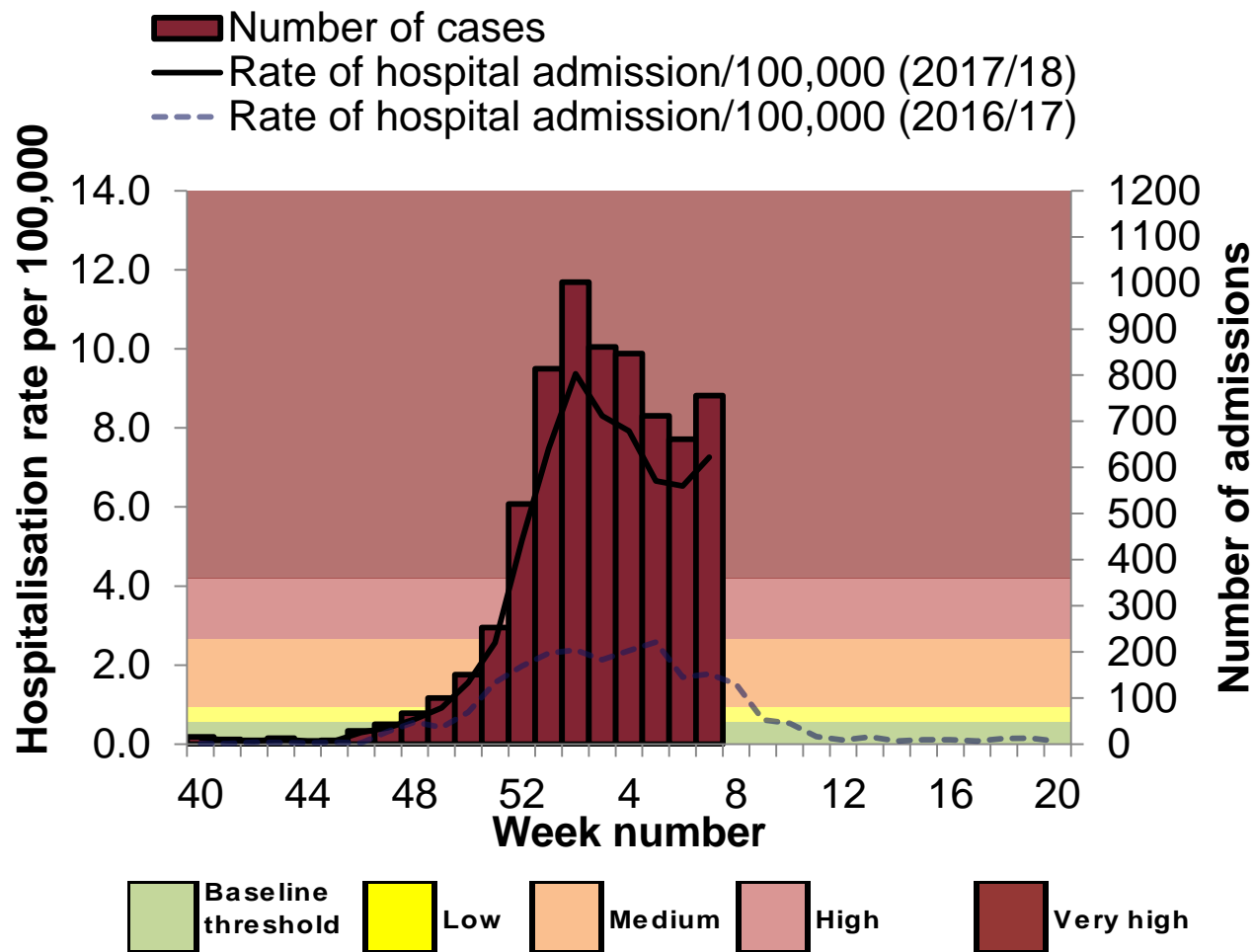


# Influenza confirmed ICU admissions (USISS mandatory) by age and influenza subtype, since week 40 2017





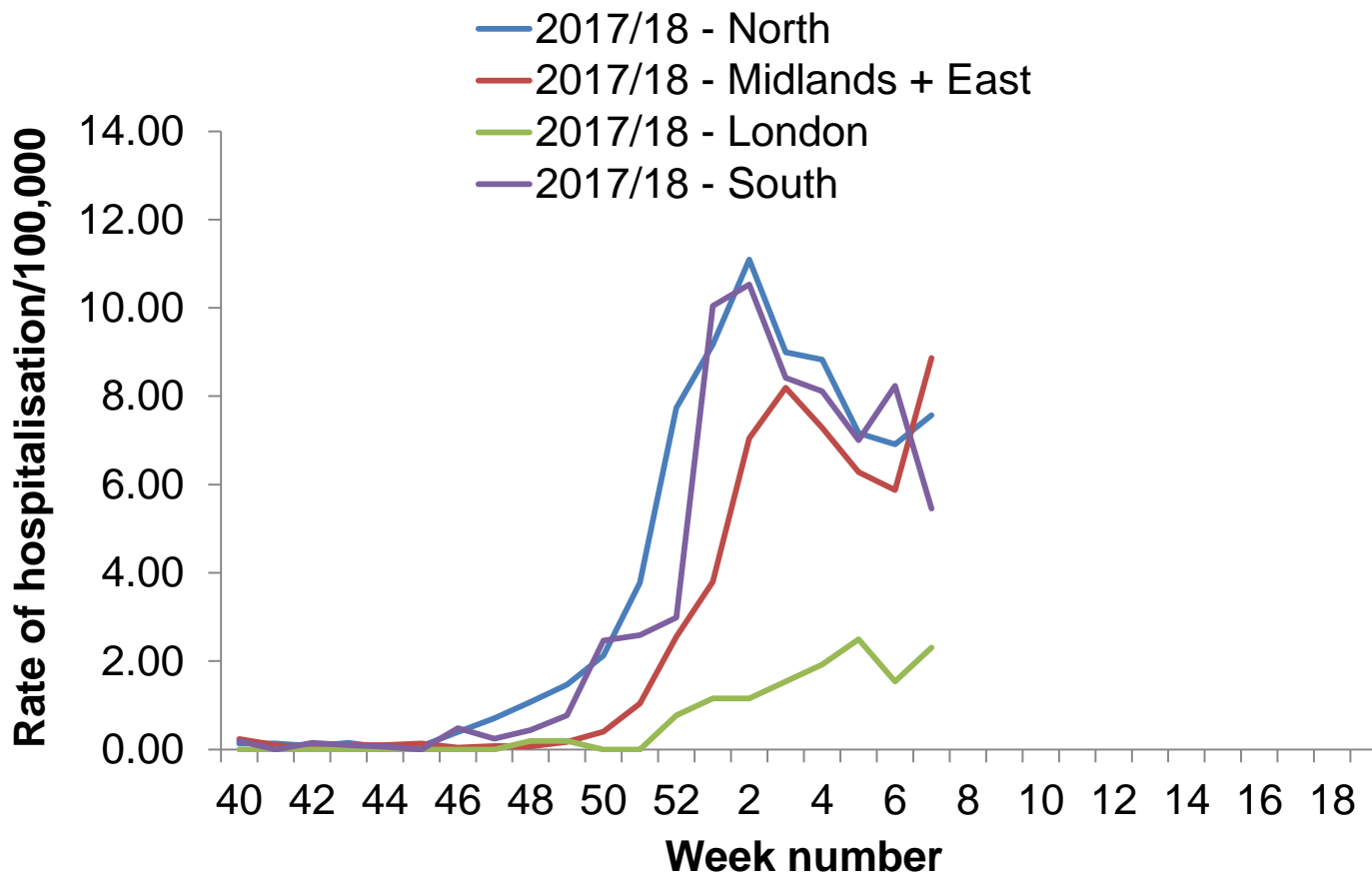
# Weekly hospitalised influenza case rate per 100,000 trust catchment population , England, since week 40 2017



\*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>

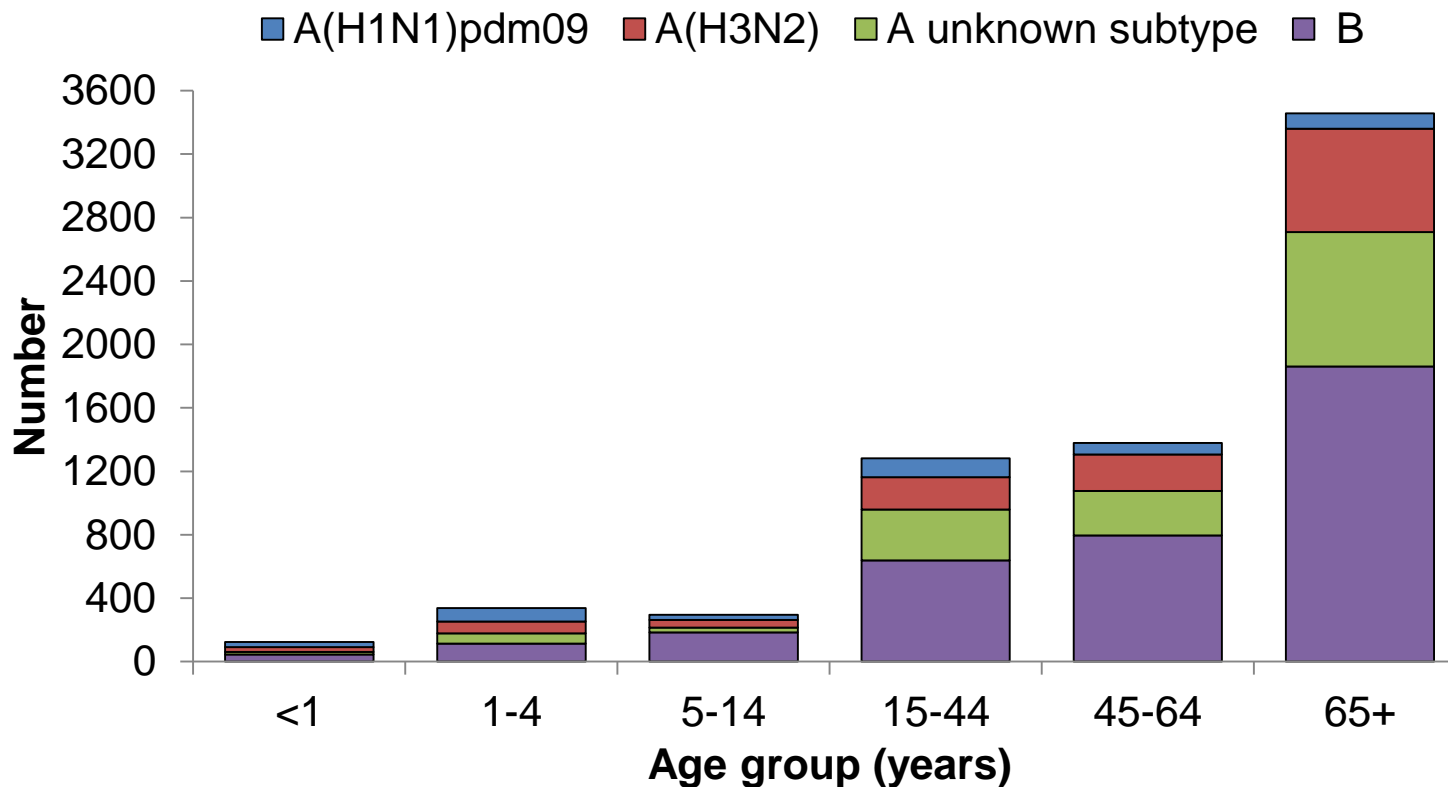


# Weekly hospitalised influenza admission rate per 100,000 trust catchment population by PHE region, since week 40 2017





# Influenza confirmed hospital admissions (USISS sentinel) by age and influenza subtype, since week 40 2017

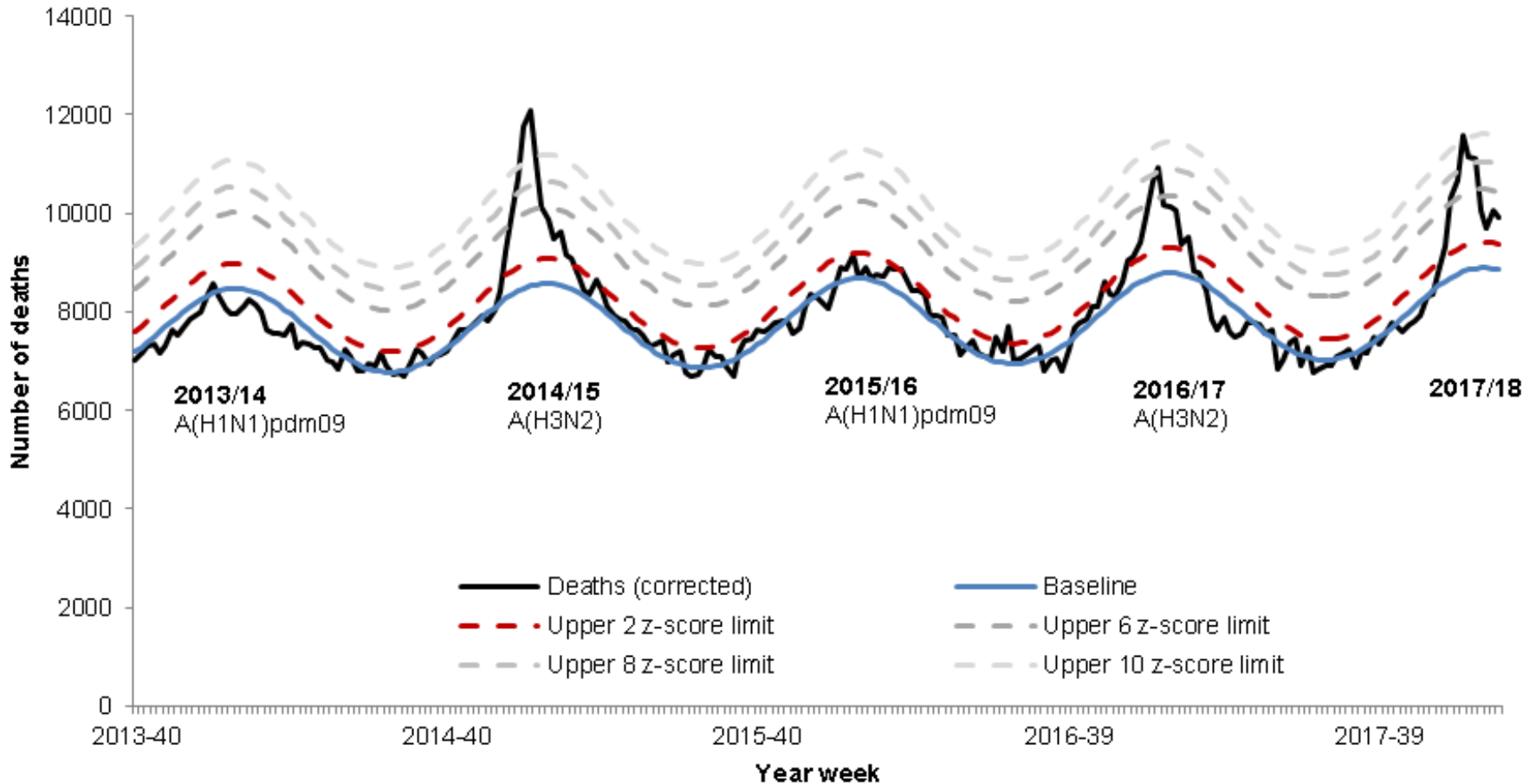




# All-cause mortality



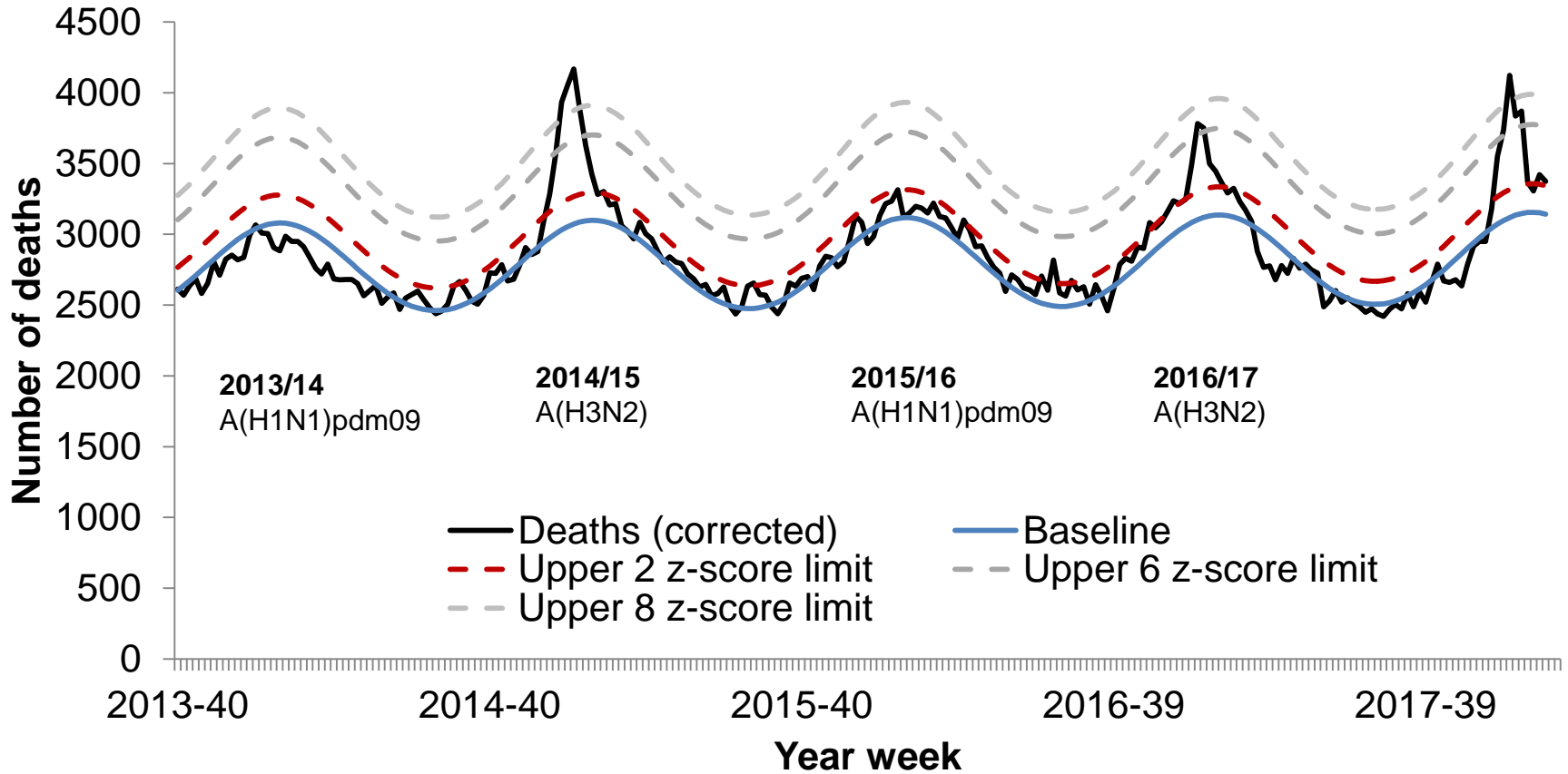
# Excess mortality (all causes) by week of death through the EuroMOMO algorithm in 65+ year olds, England





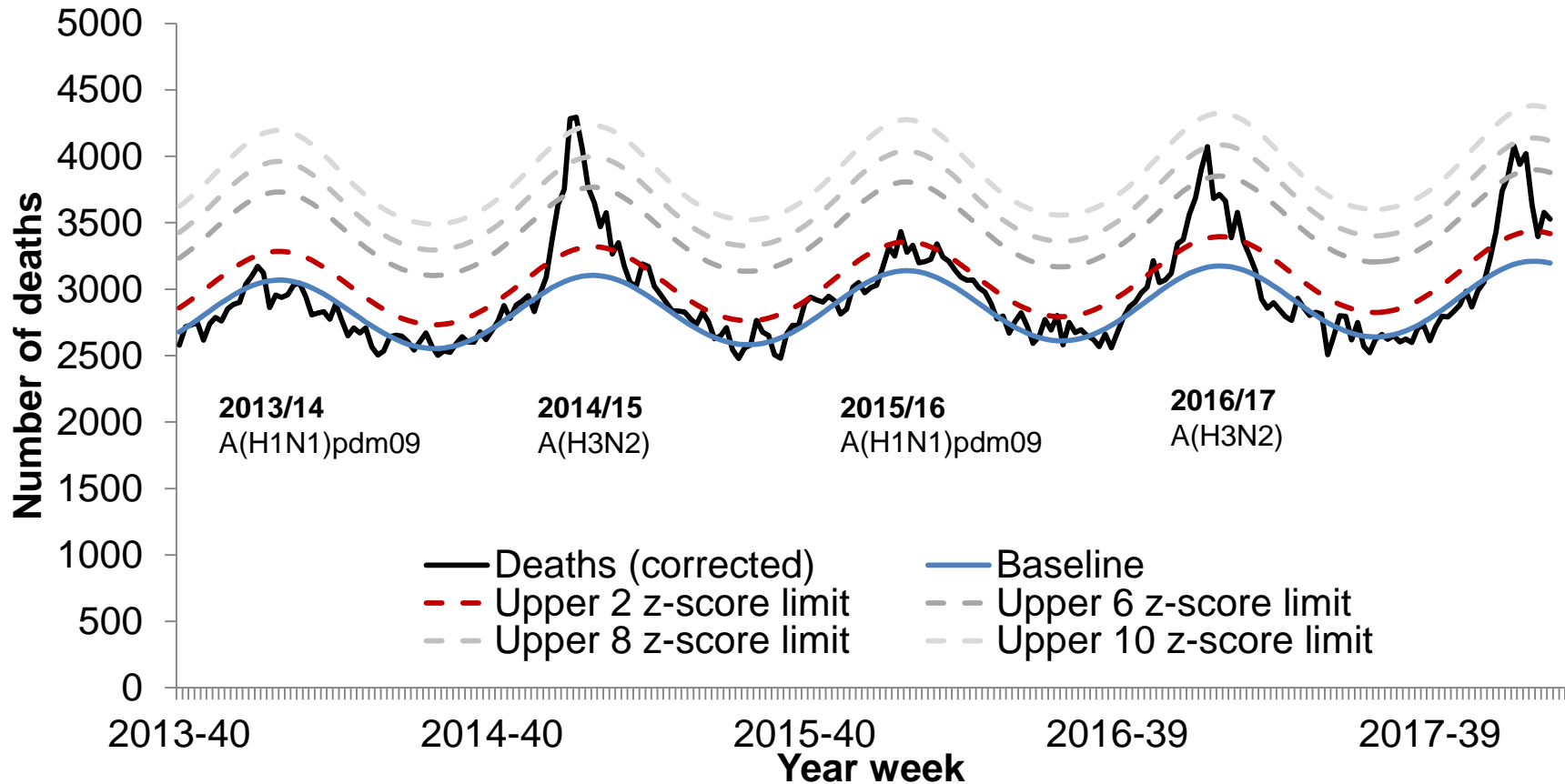


# Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE North of England



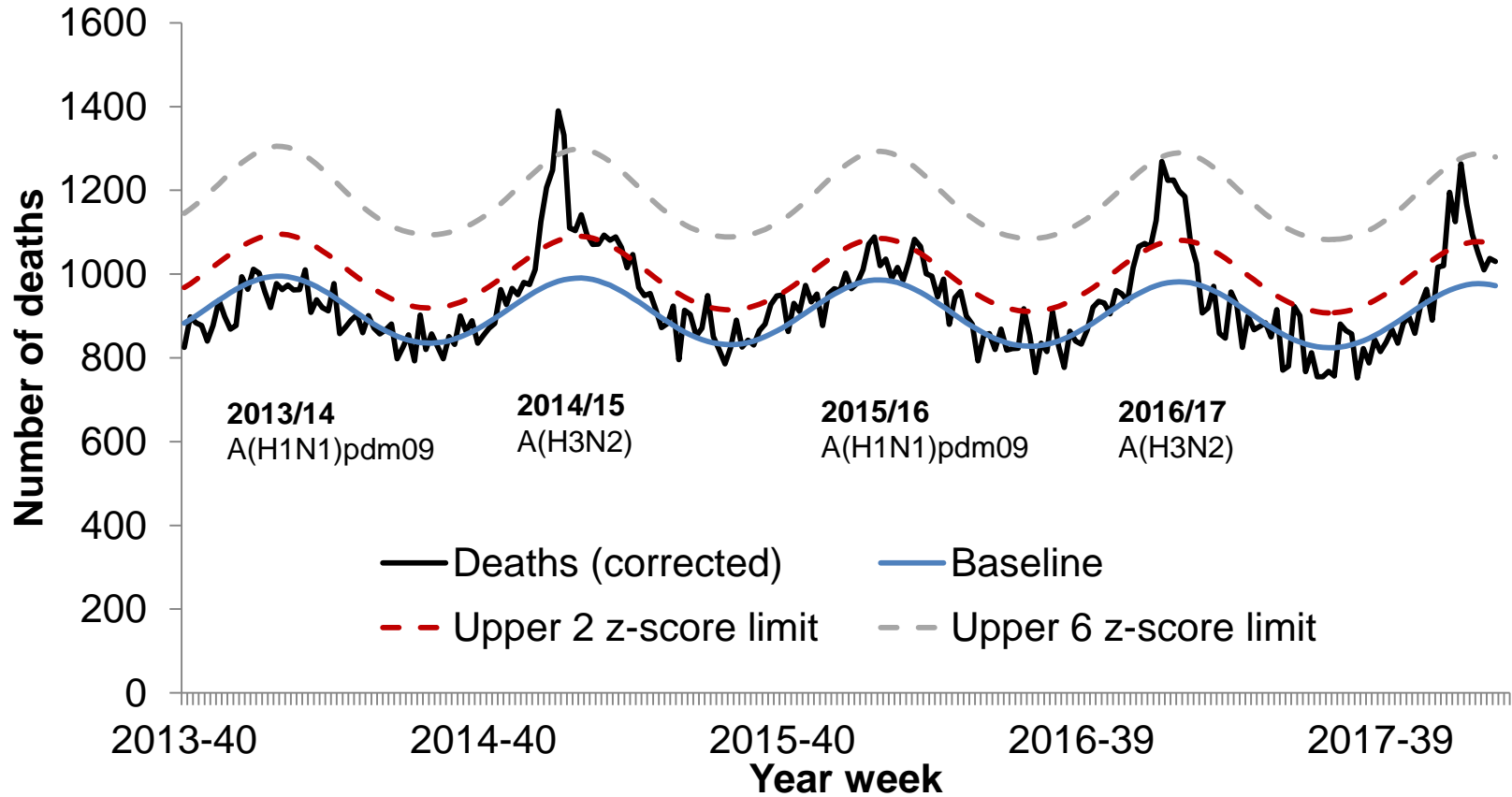


# Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE Midlands and East of England



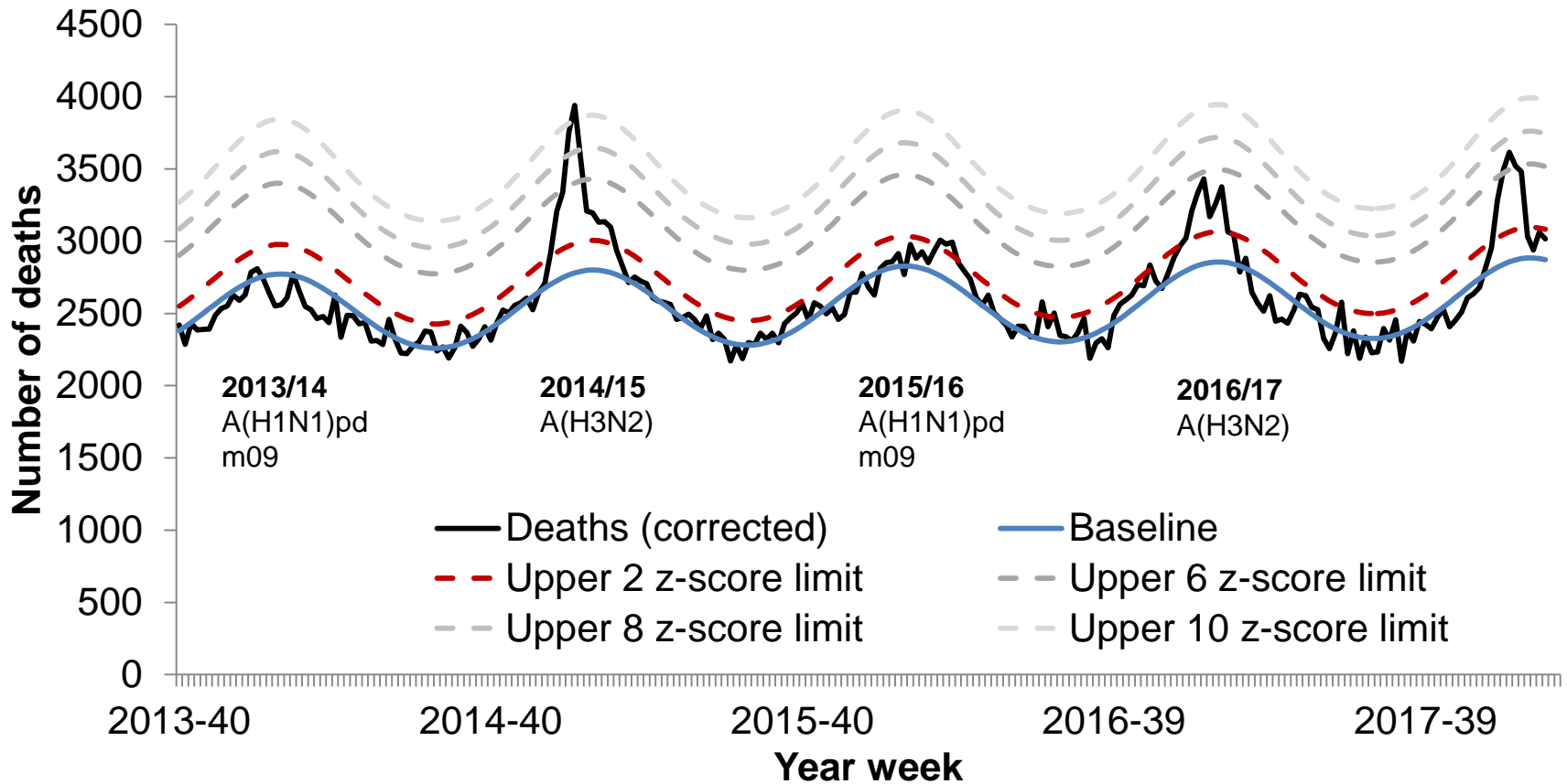


# Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE London





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

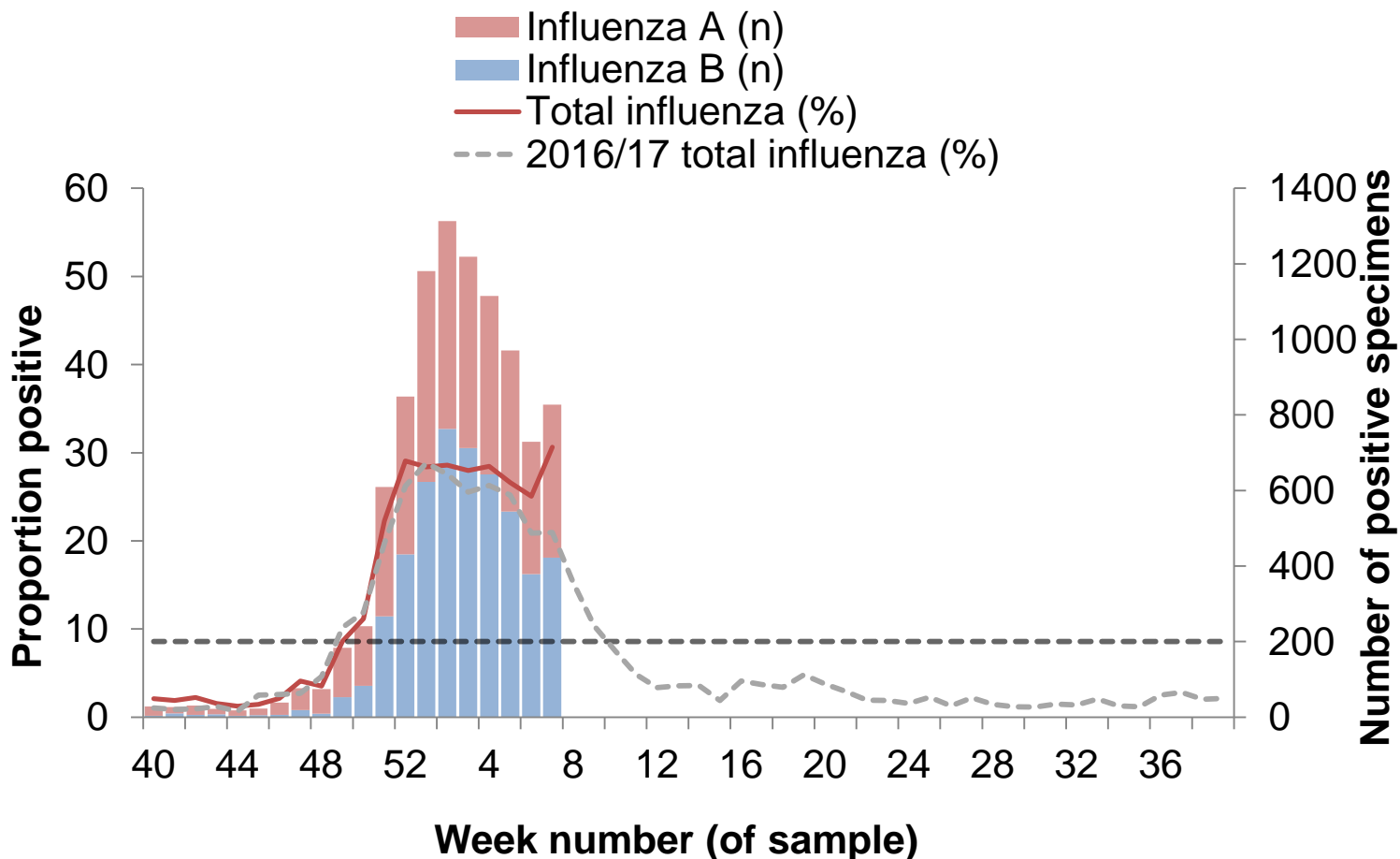




# Microbiological surveillance

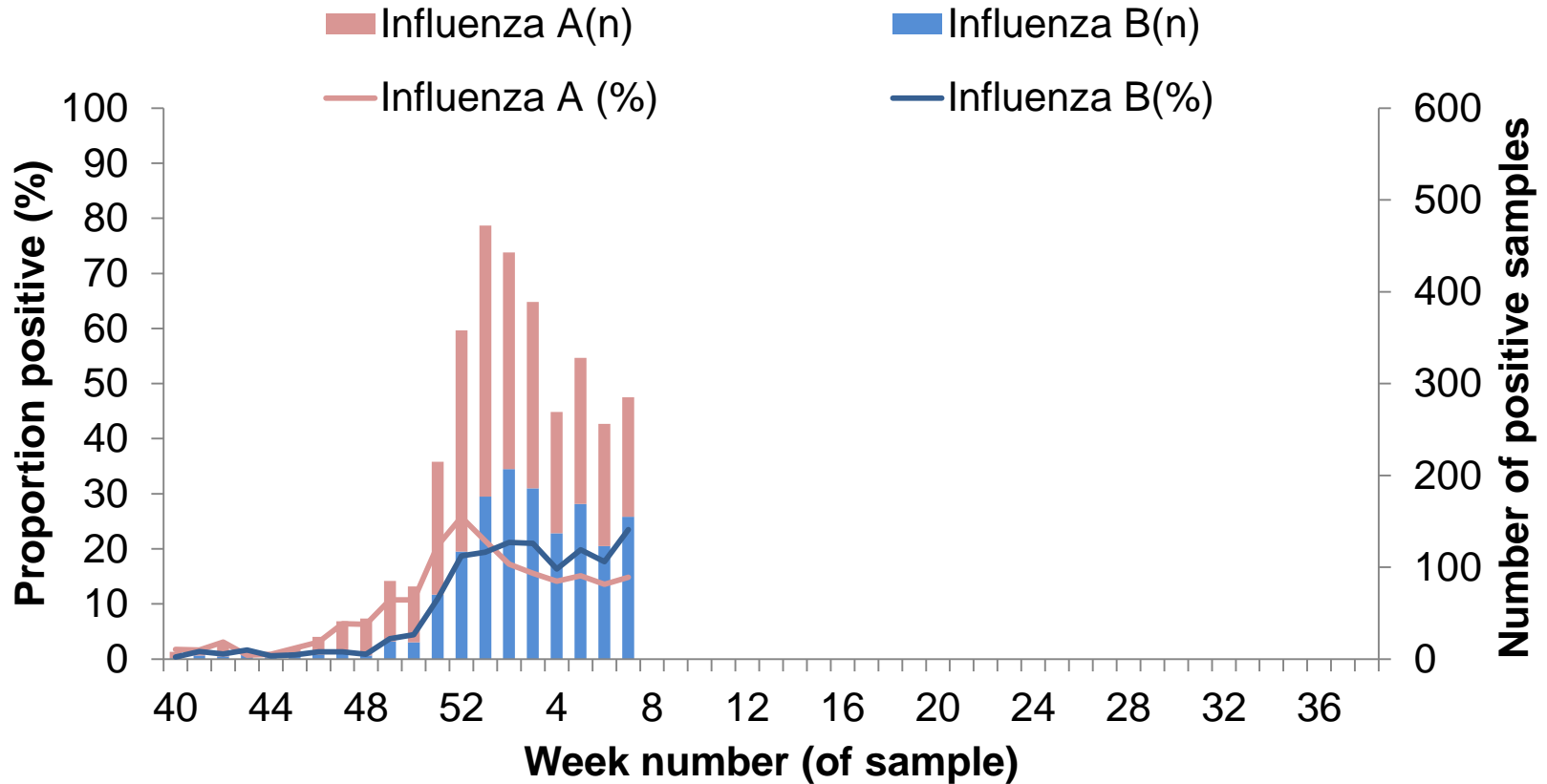


# DataMart: Number and proportion of samples positive for influenza, by type, England



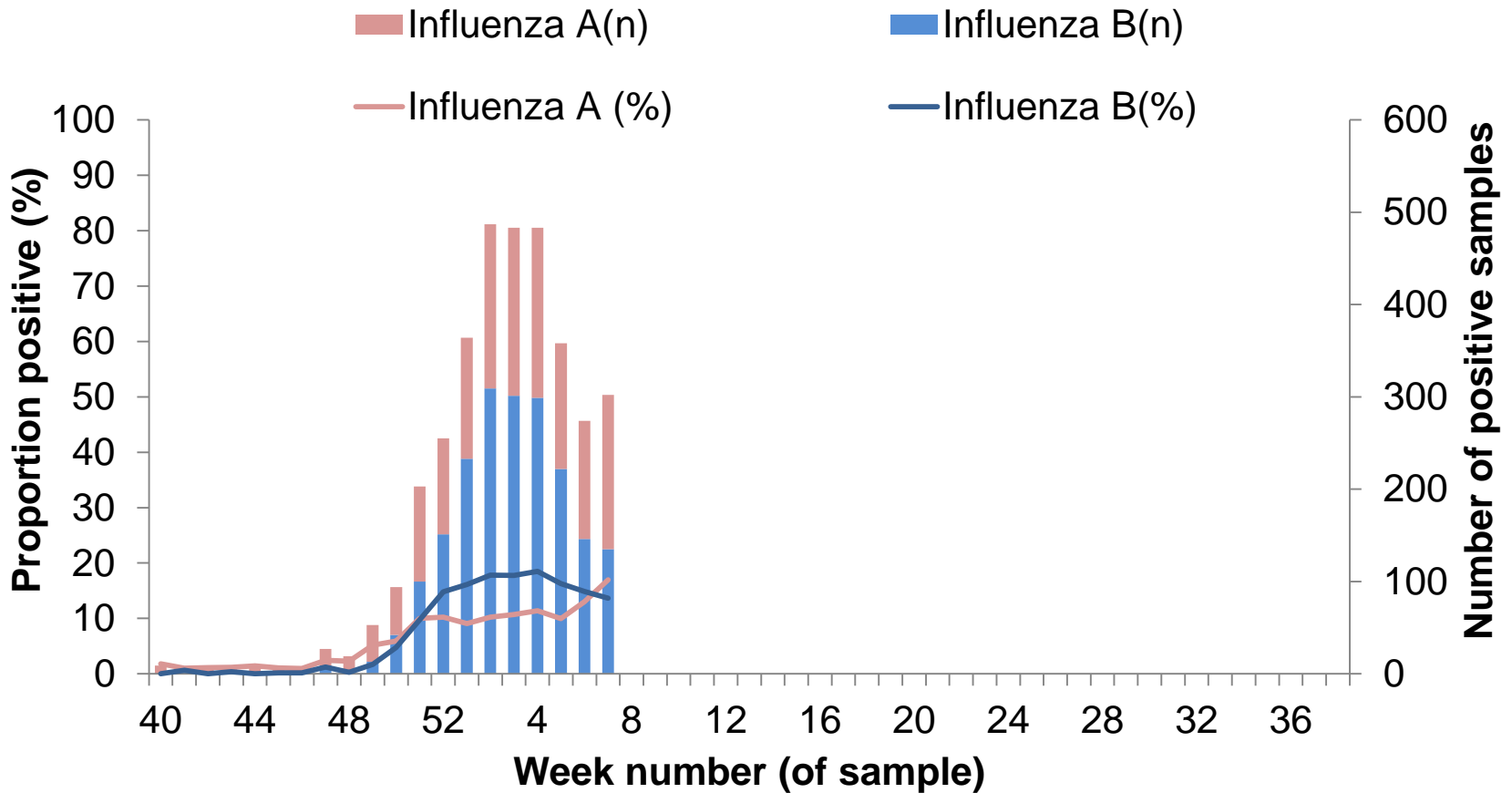


# DataMart: Number and proportion of samples positive for influenza, by type, PHE North of England





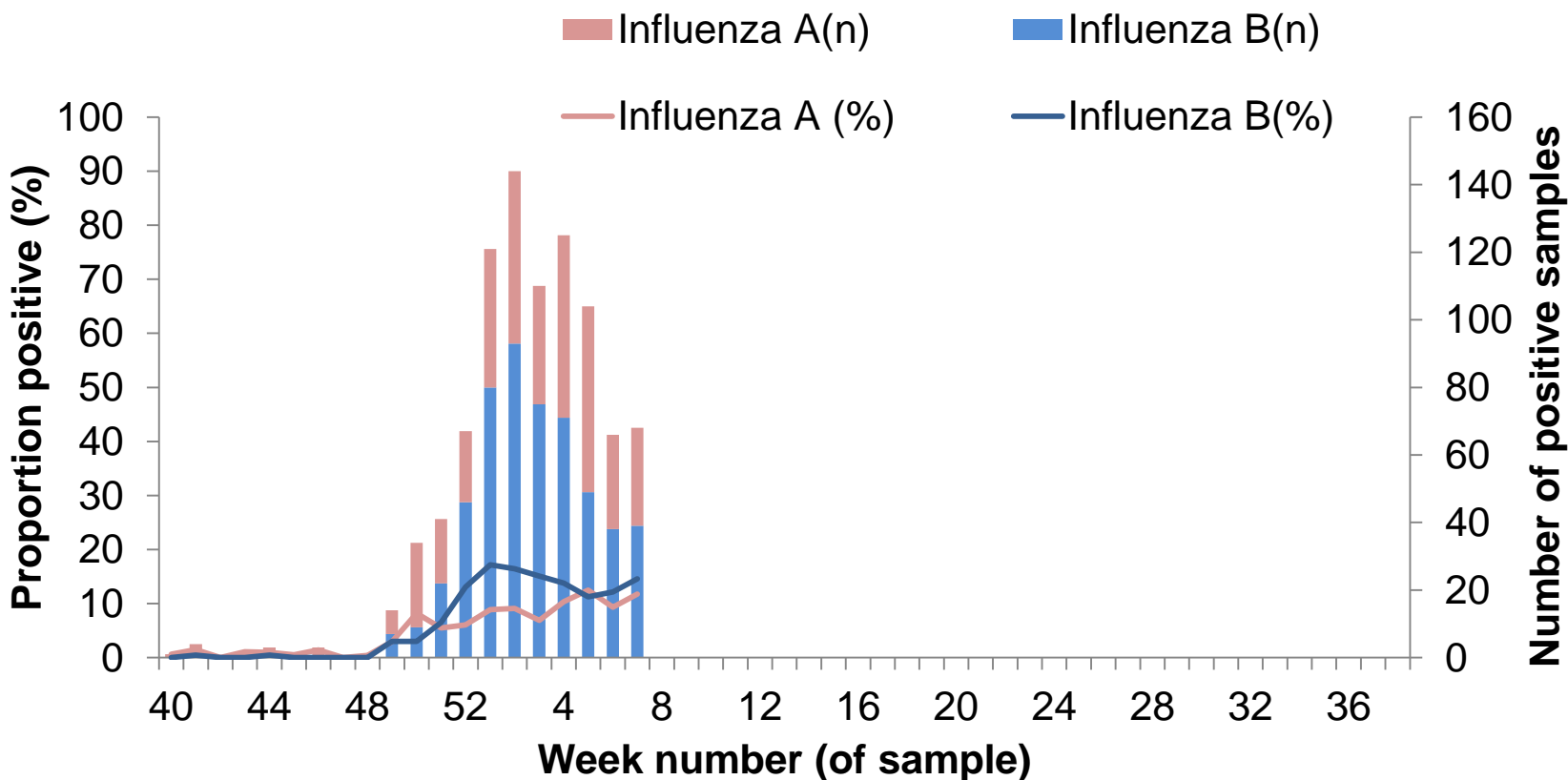
# DataMart: Number and proportion of samples positive for influenza, by type, PHE Midlands and East of England





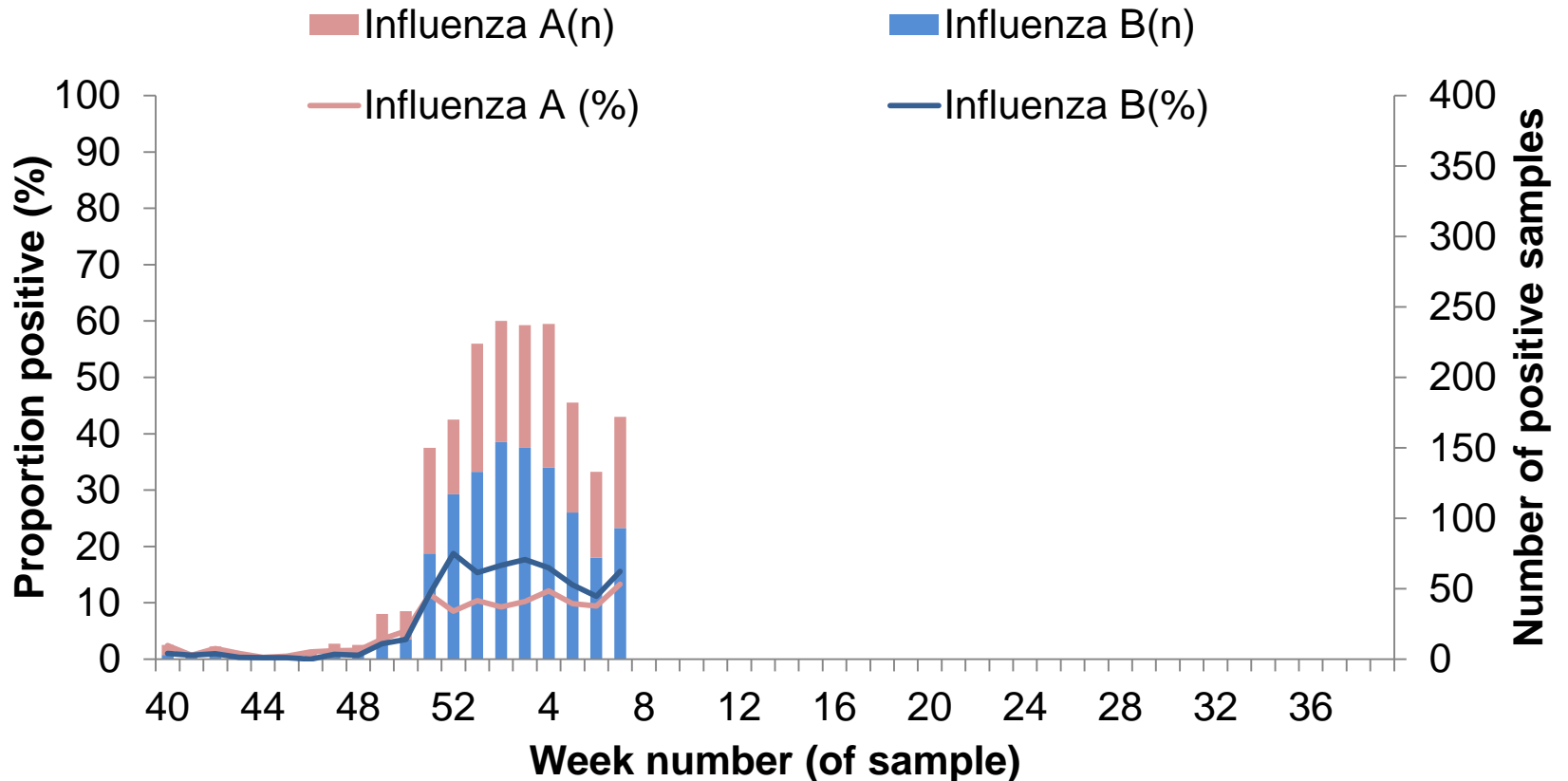


# DataMart: Number and proportion of samples positive for influenza, by type, PHE London



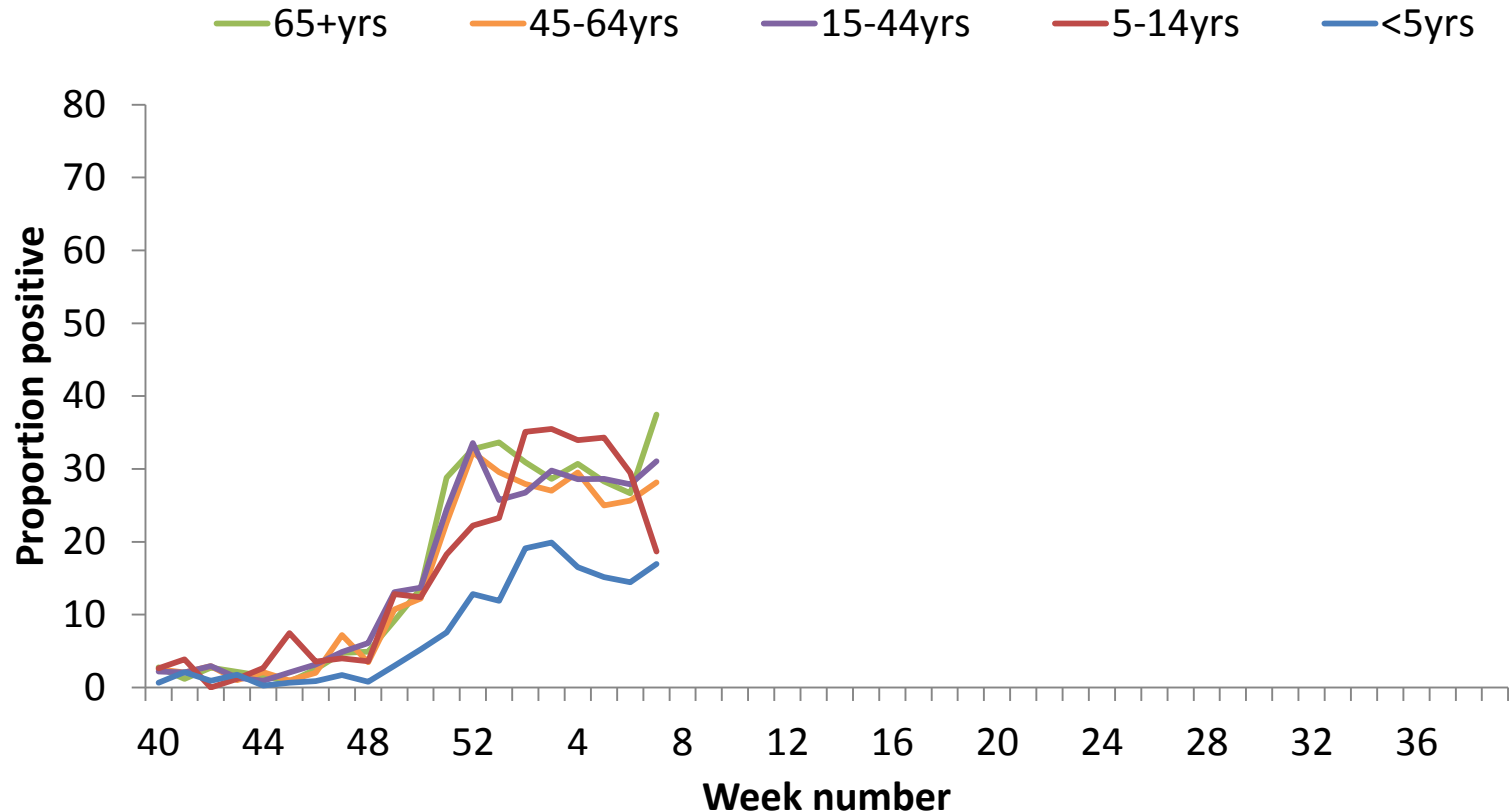


# DataMart: Number and proportion of samples positive for influenza, by type, PHE South of England



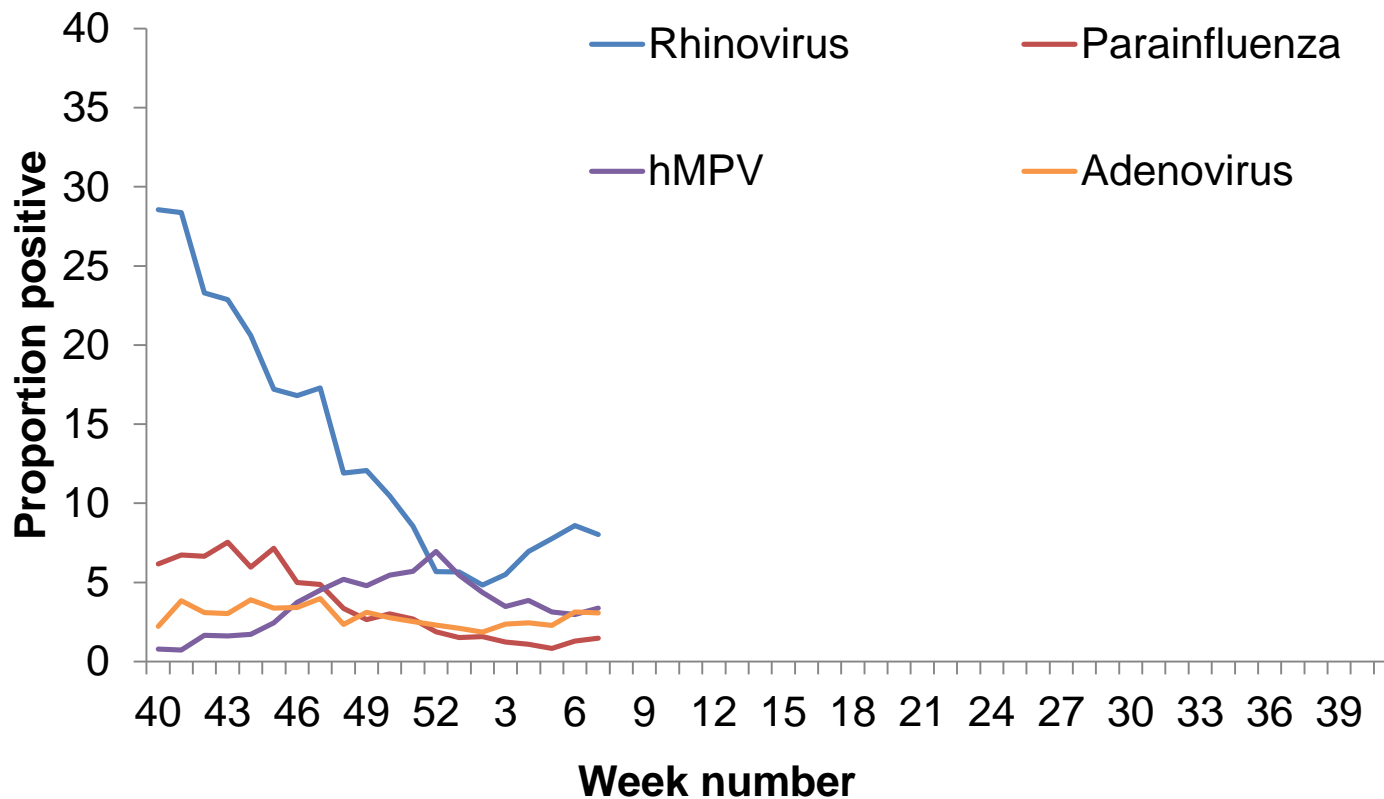


# DataMart: Proportion of samples positive for influenza, by age group





## DataMart: Proportion of samples positive for other viruses

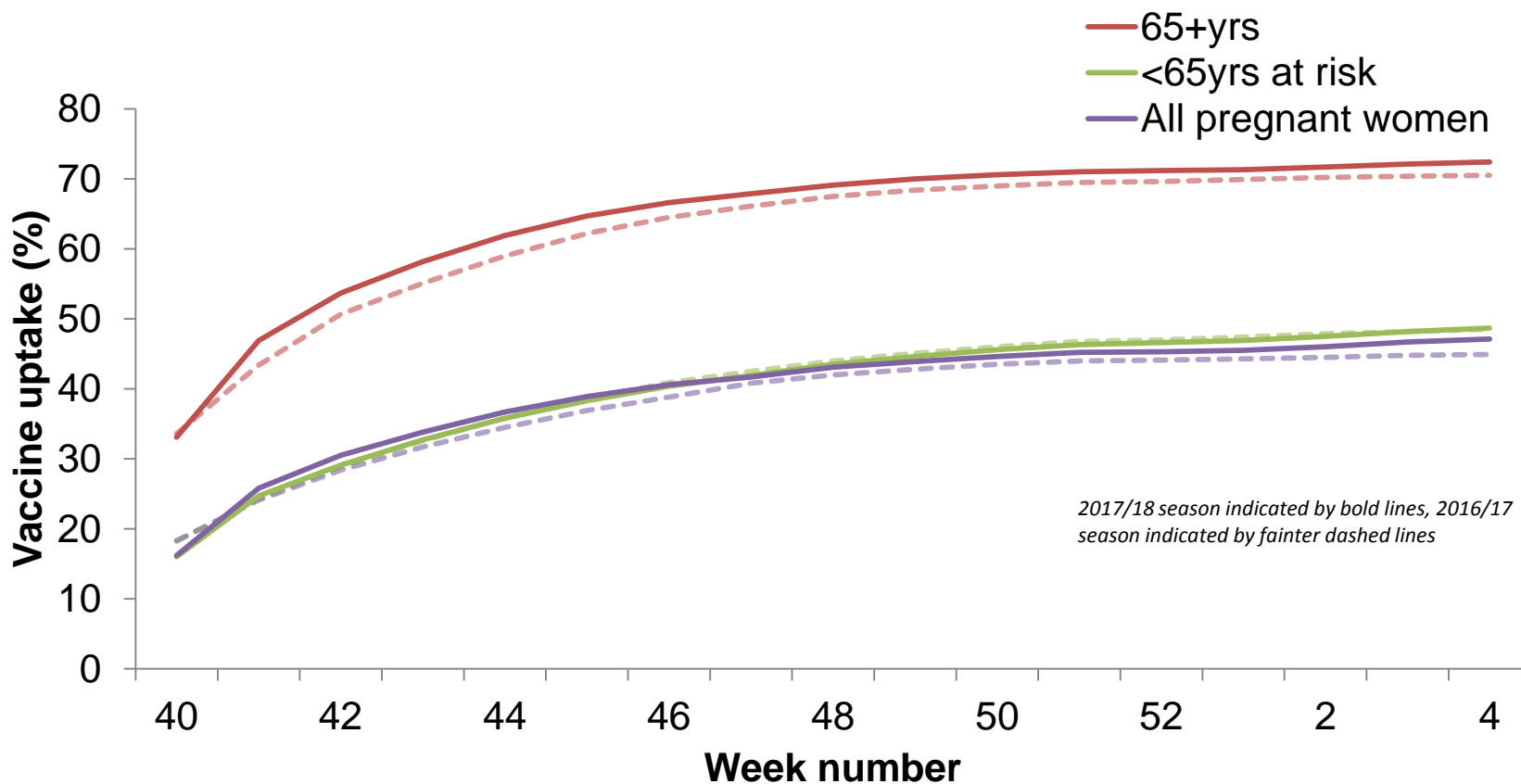




# Influenza vaccination



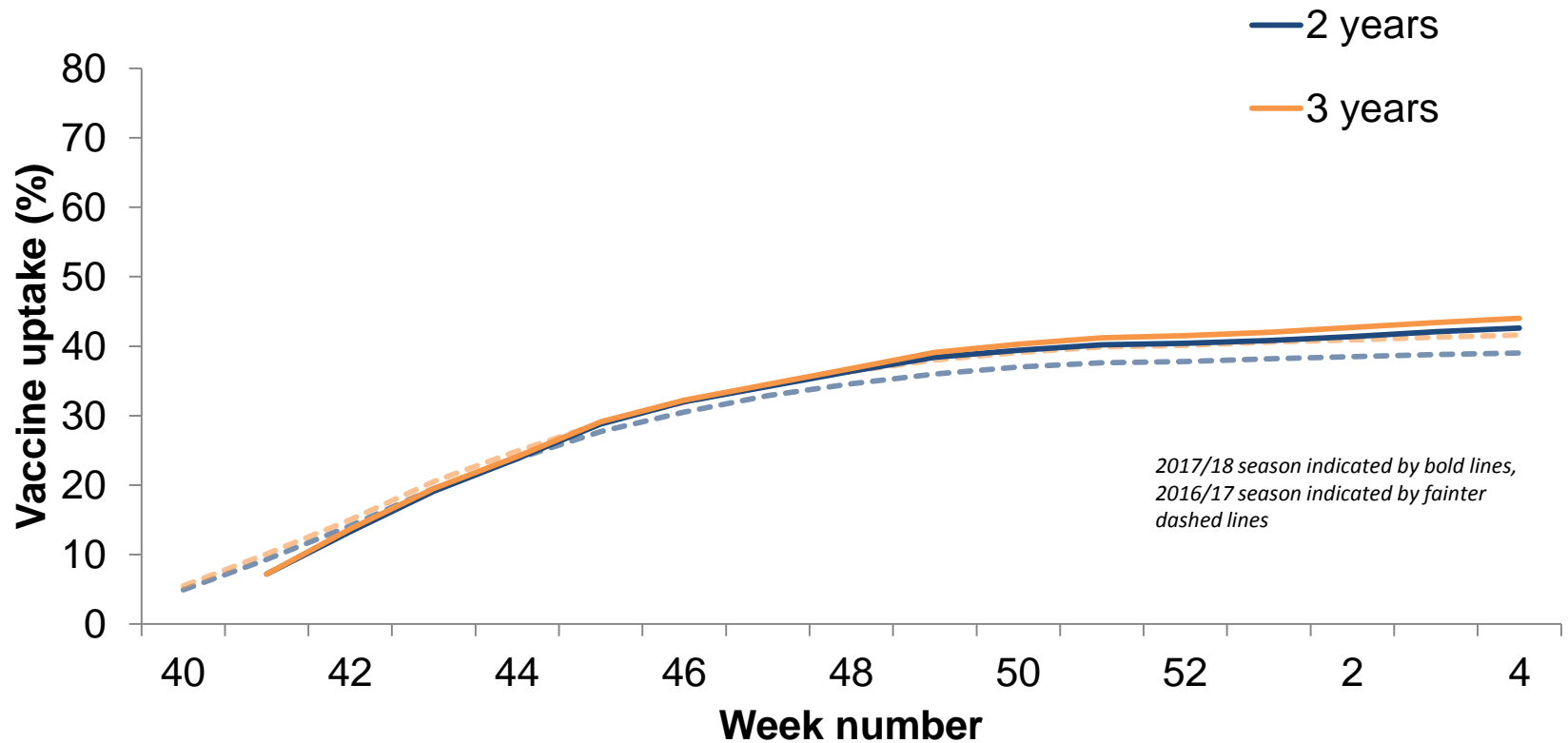
# Seasonal influenza vaccine uptake in targeted groups, 2017/18, England



2017/18 season indicated by bold lines, 2016/17 season indicated by fainter dashed lines



# Seasonal influenza vaccine uptake in targeted groups, 2017/18, England





# Links

- Sources of UK flu surveillance data:

<https://www.gov.uk/sources-of-uk-flu-data-influenza-surveillance-in-the-uk>

- Weekly flu report

<https://www.gov.uk/government/statistics/weekly-national-flu-reports>