



# 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](#)

Respiratory Diseases Department

Centre for Infectious Disease Surveillance and Control

Public Health England

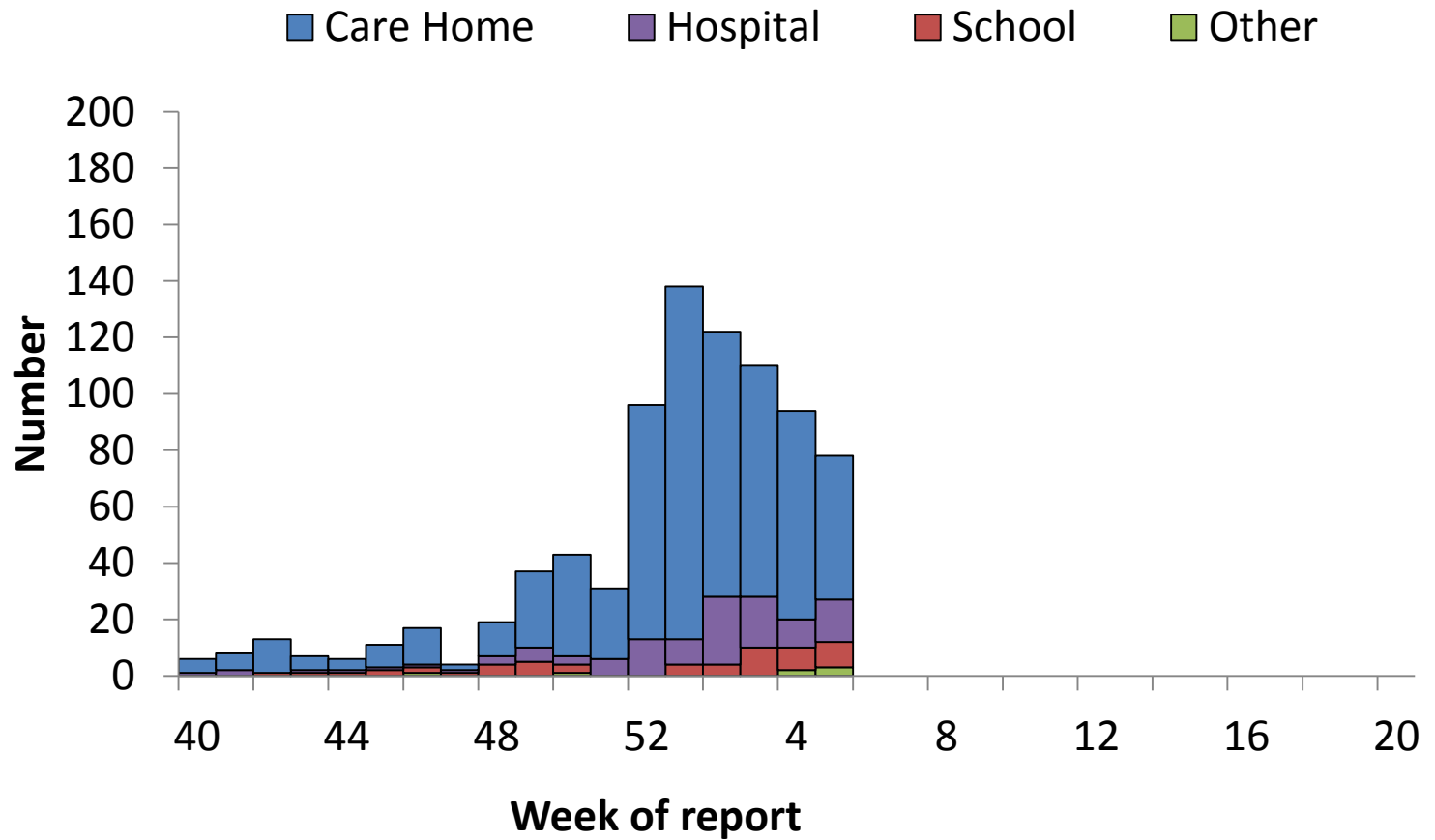
[respcidsc@phe.gov.uk](mailto:respcidsc@phe.gov.uk)



# Community influenza surveillance



# Number of acute respiratory outbreaks by institution, UK



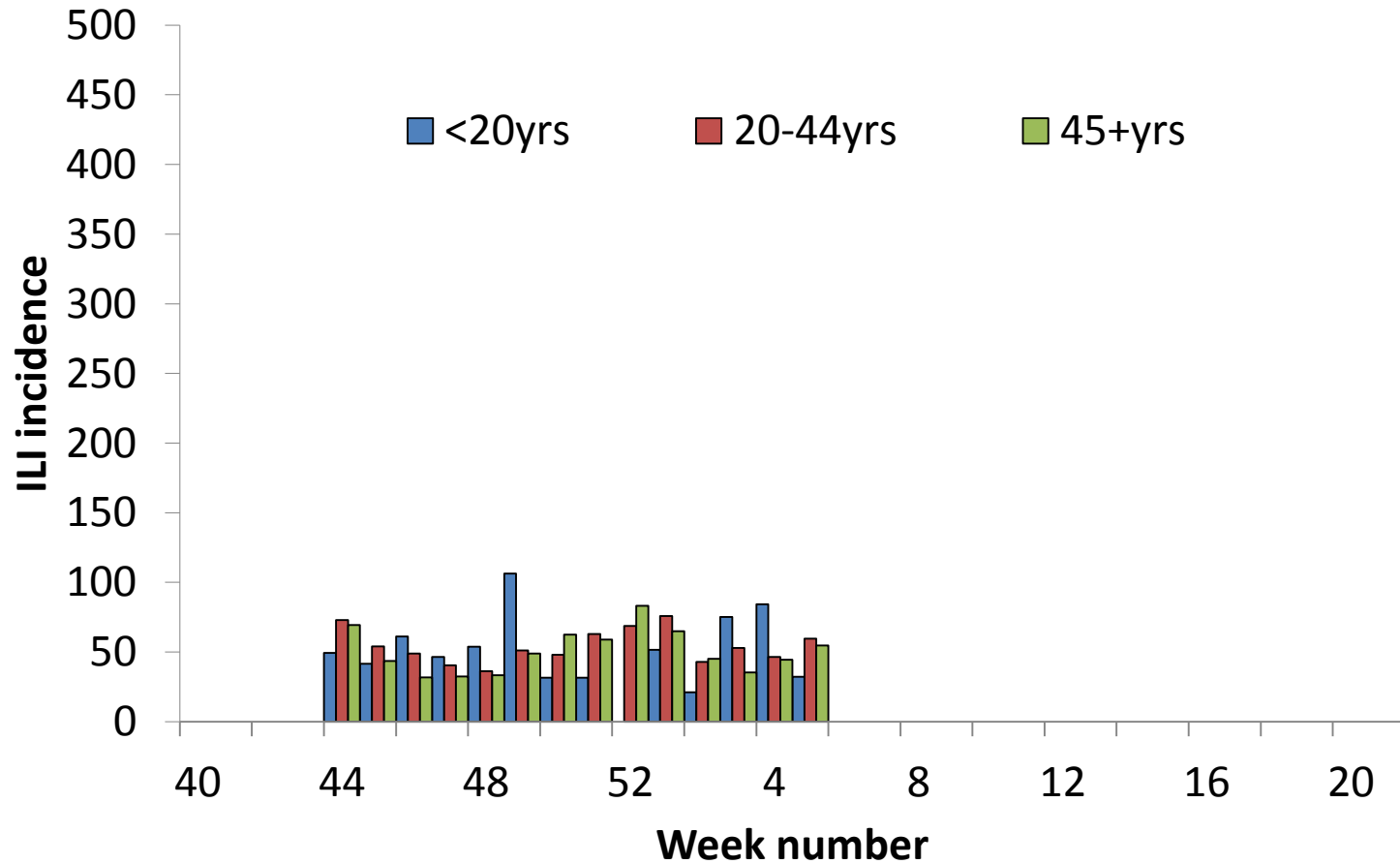


## Outbreaks (table by PHE Region)

	Outbreaks reported in Week 05	Cumulative since Week 40
PHE North of England	20	176
PHE Midlands and East of England	17	295
PHE London	01	48
PHE South of England	35	253



## FluSurvey ILI incidence by age group, UK



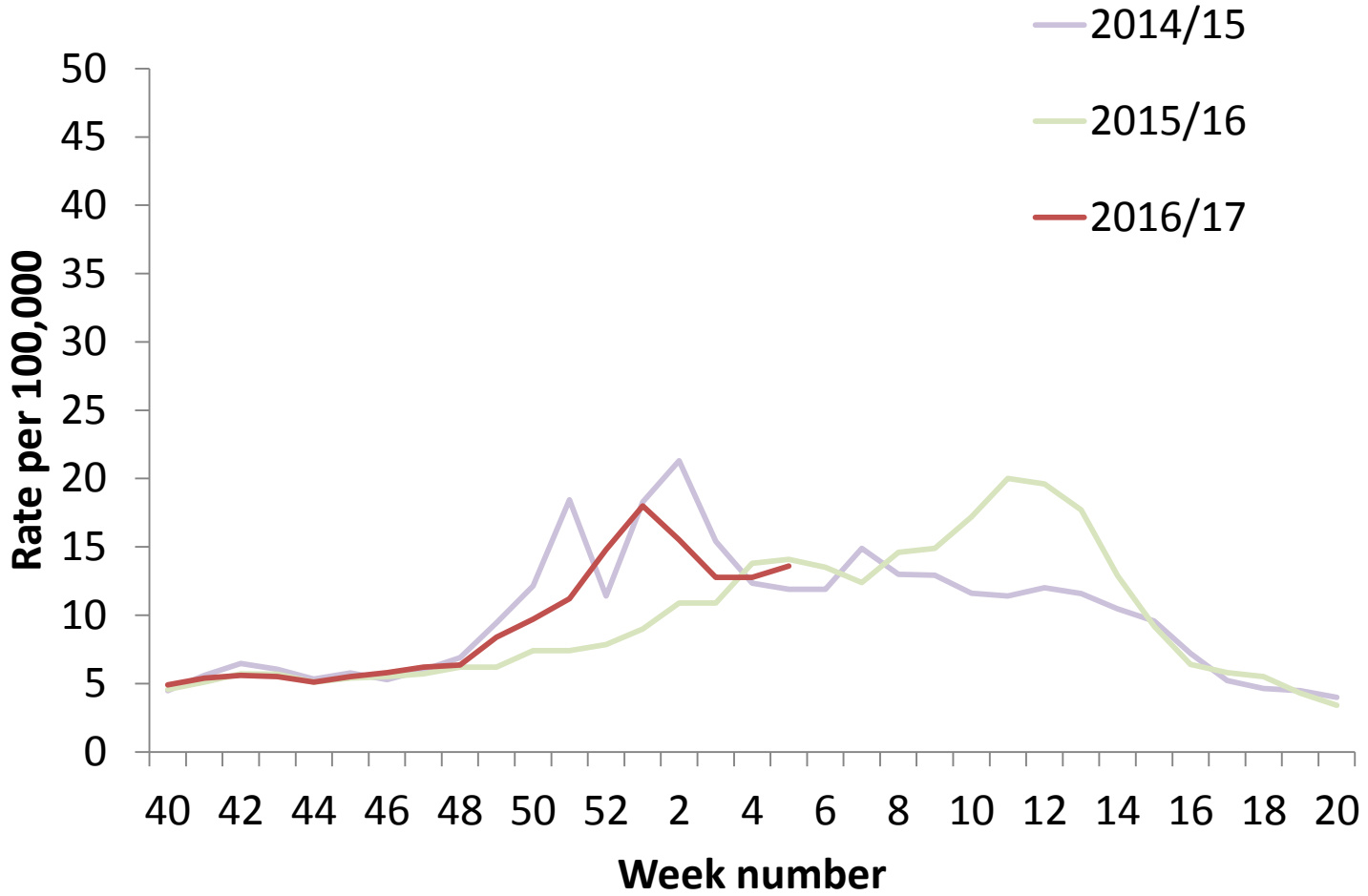
*NB: Data is expected later in the season for FluSurvey*



# Influenza-like illness GP consultation rates

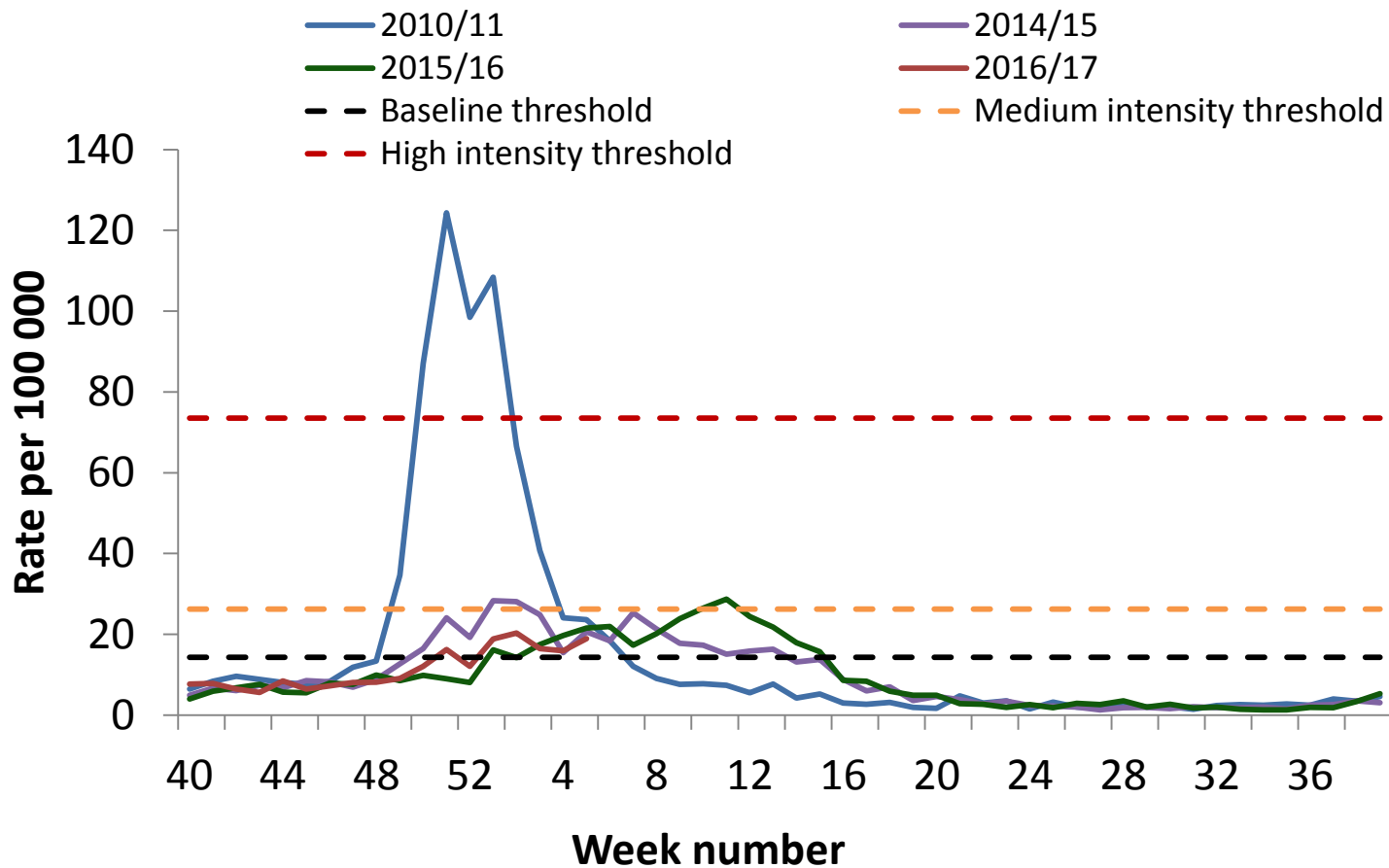


# GP In Hours ILI consultation rate, England





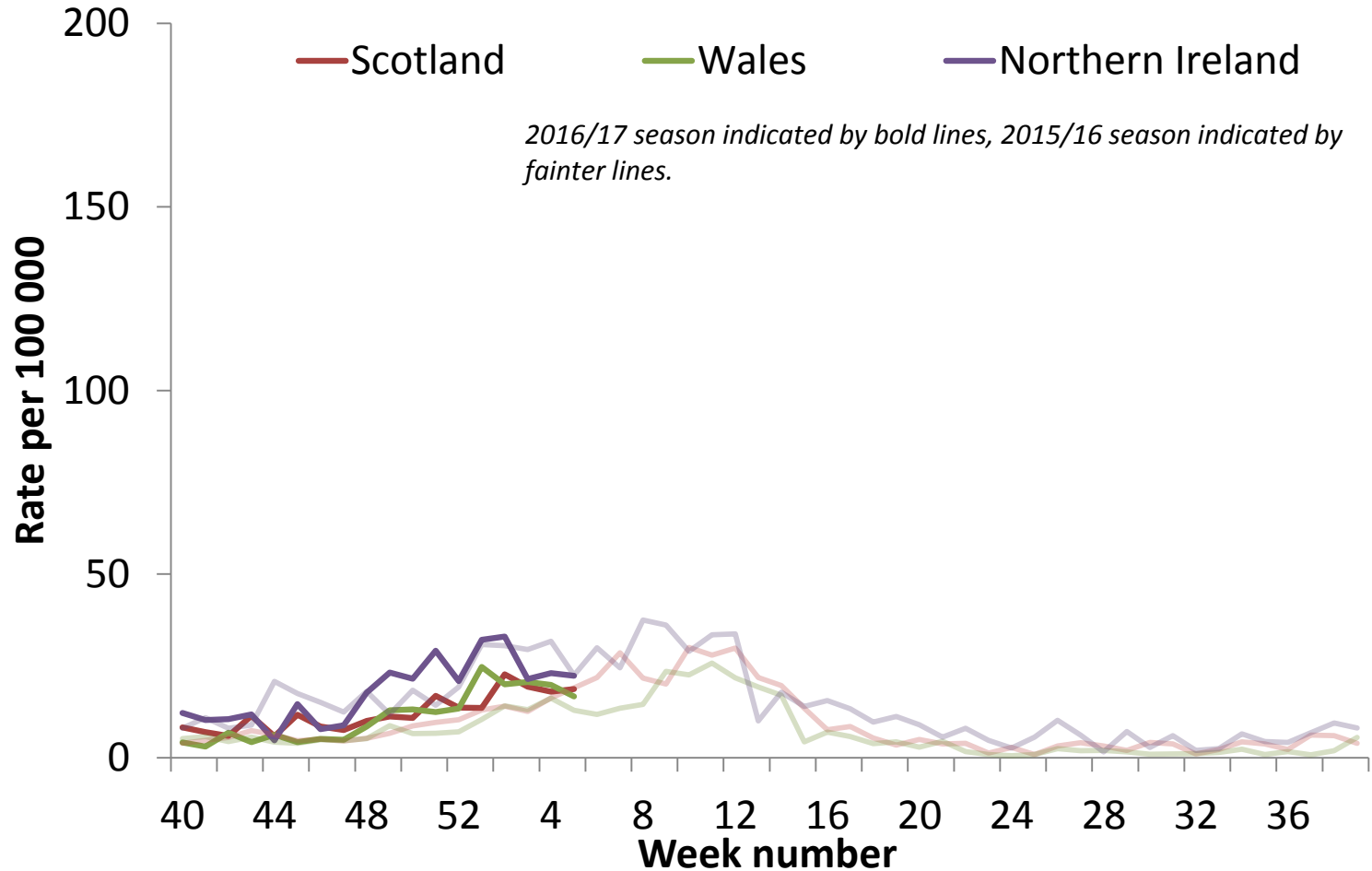
# RCGP ILI consultation rate, England







# ILI/influenza –Scotland, Wales and Northern Ireland



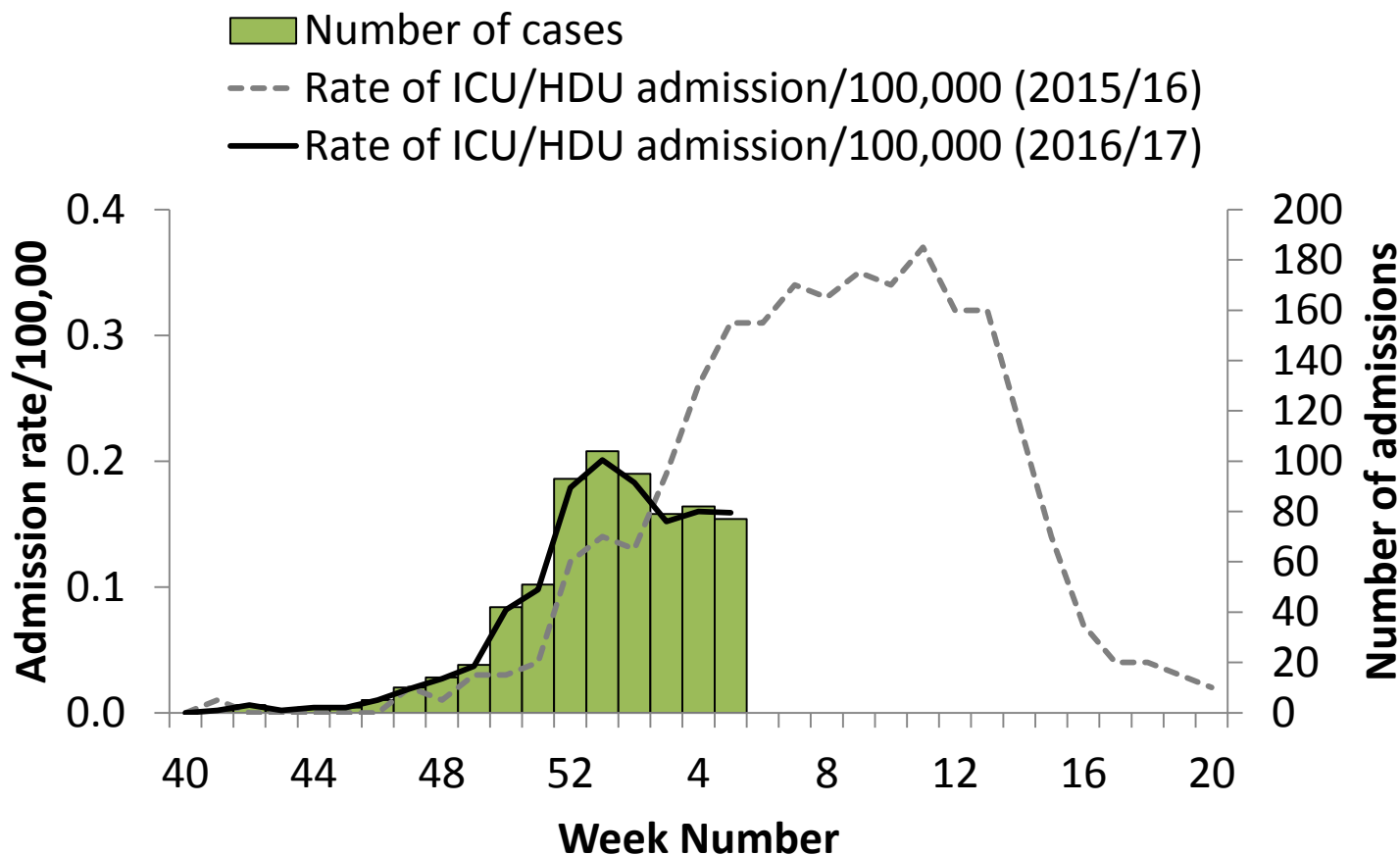
Scottish rates are weekly averages of daily data.



# Influenza-confirmed hospitalisations

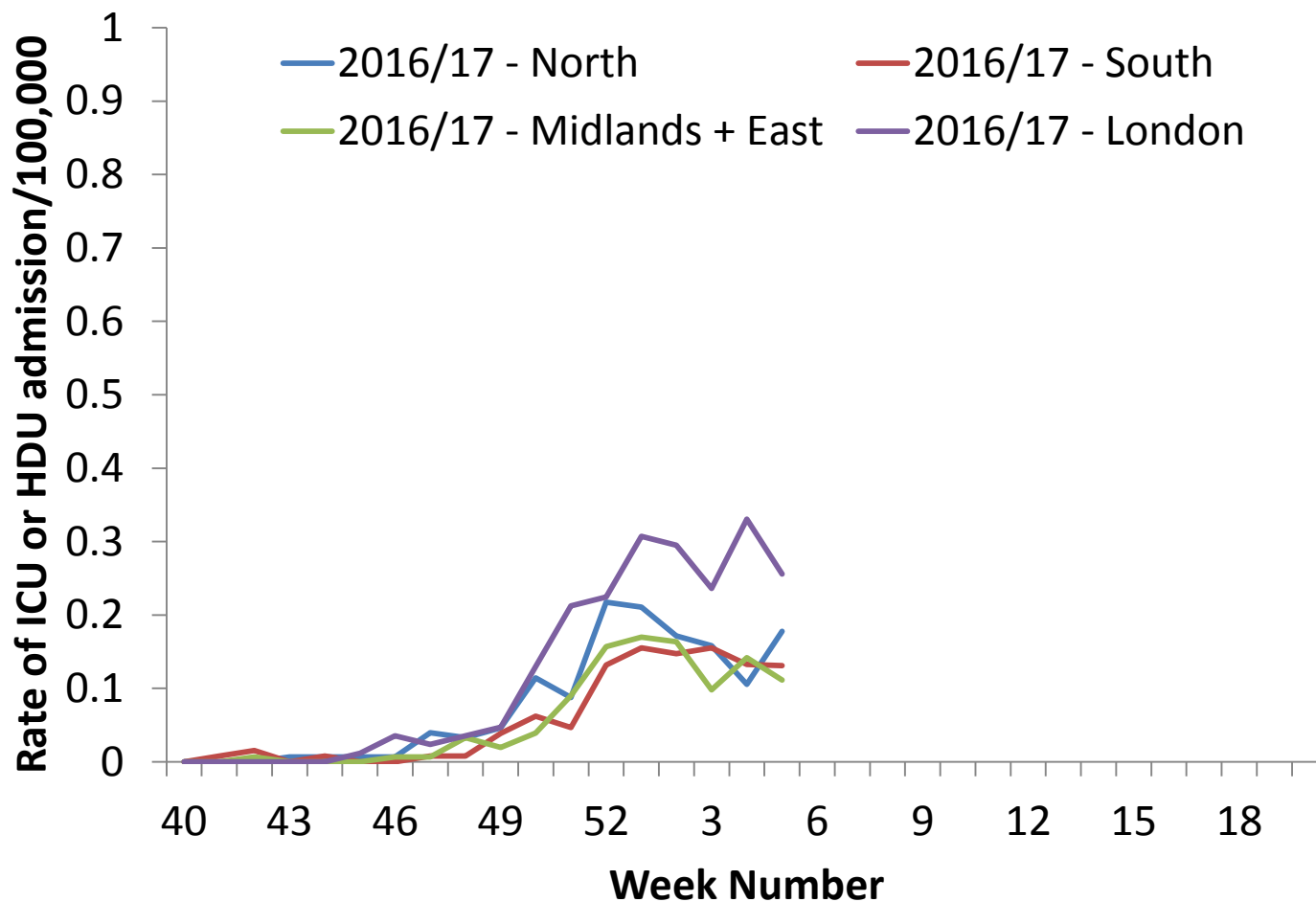


# Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population , England, since week 40 2016



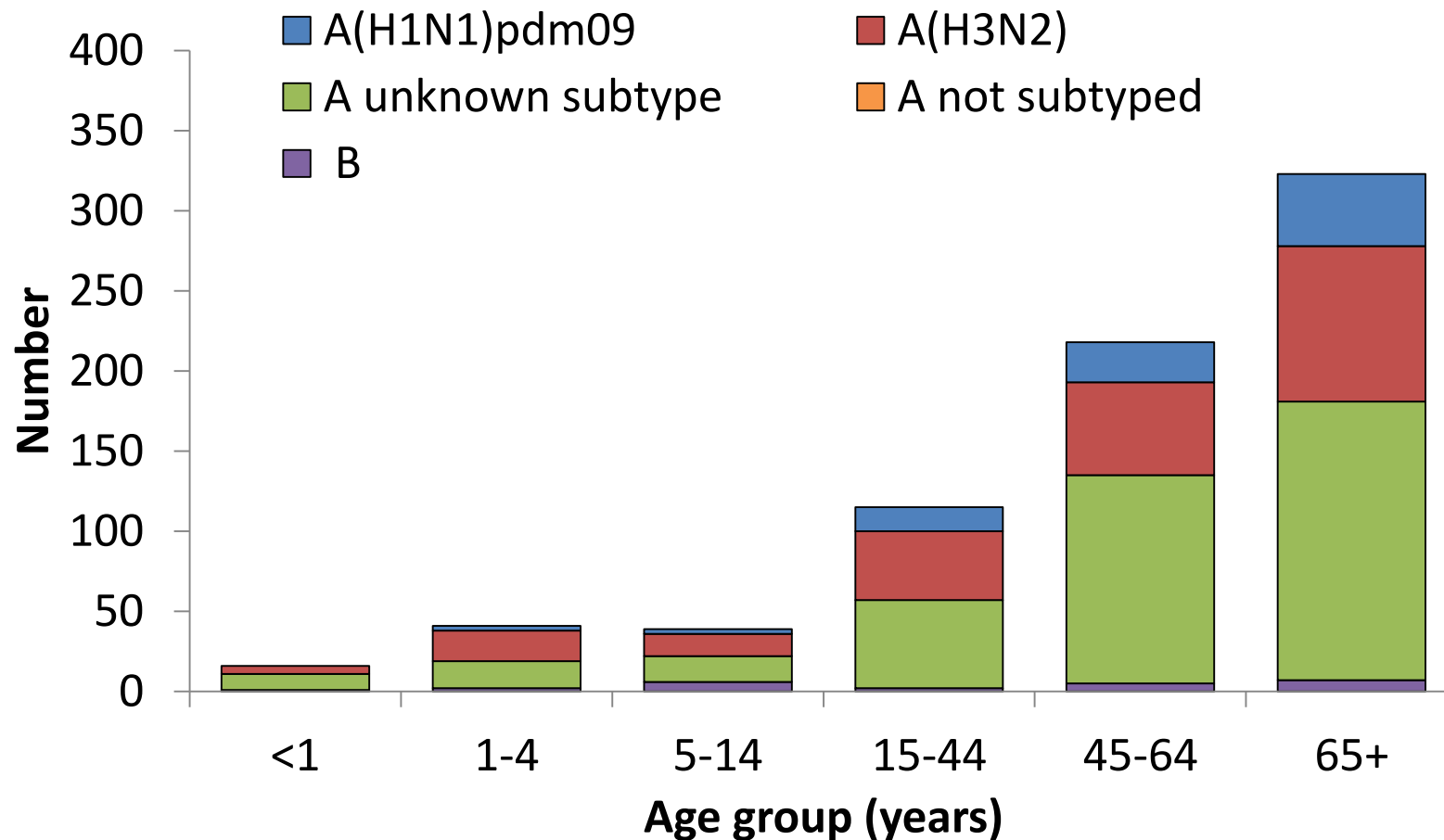


# Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population by PHE region, since week 40 2016



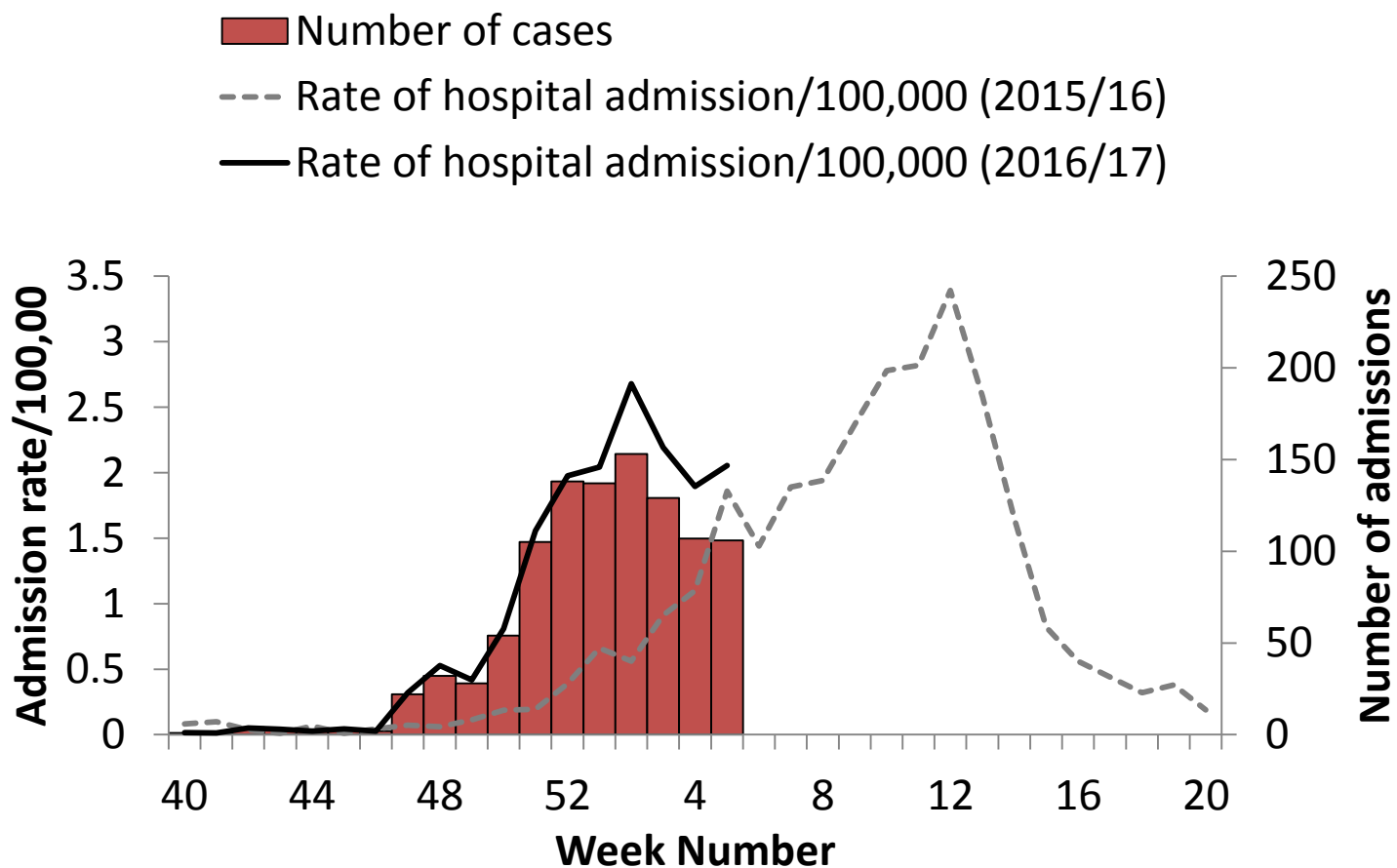


## Influenza confirmed ICU admissions (USISS mandatory) by age and influenza subtype, since week 40 2016



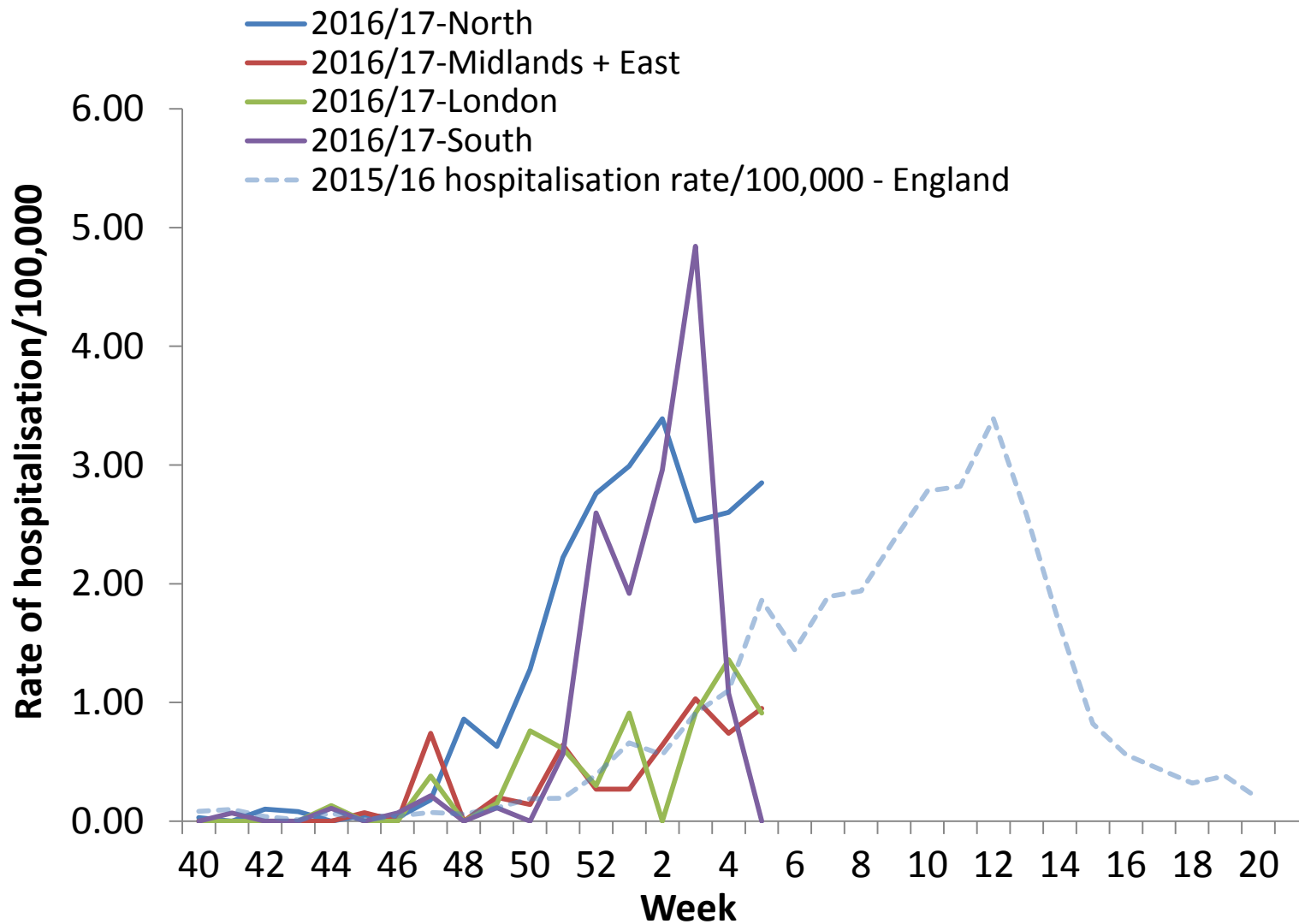


# Weekly hospitalised influenza case rate per 100,000 trust catchment population , England, since week 40 2016





# Weekly hospitalised influenza case rate per 100,000 trust catchment population by PHE Region, since week 40 2016



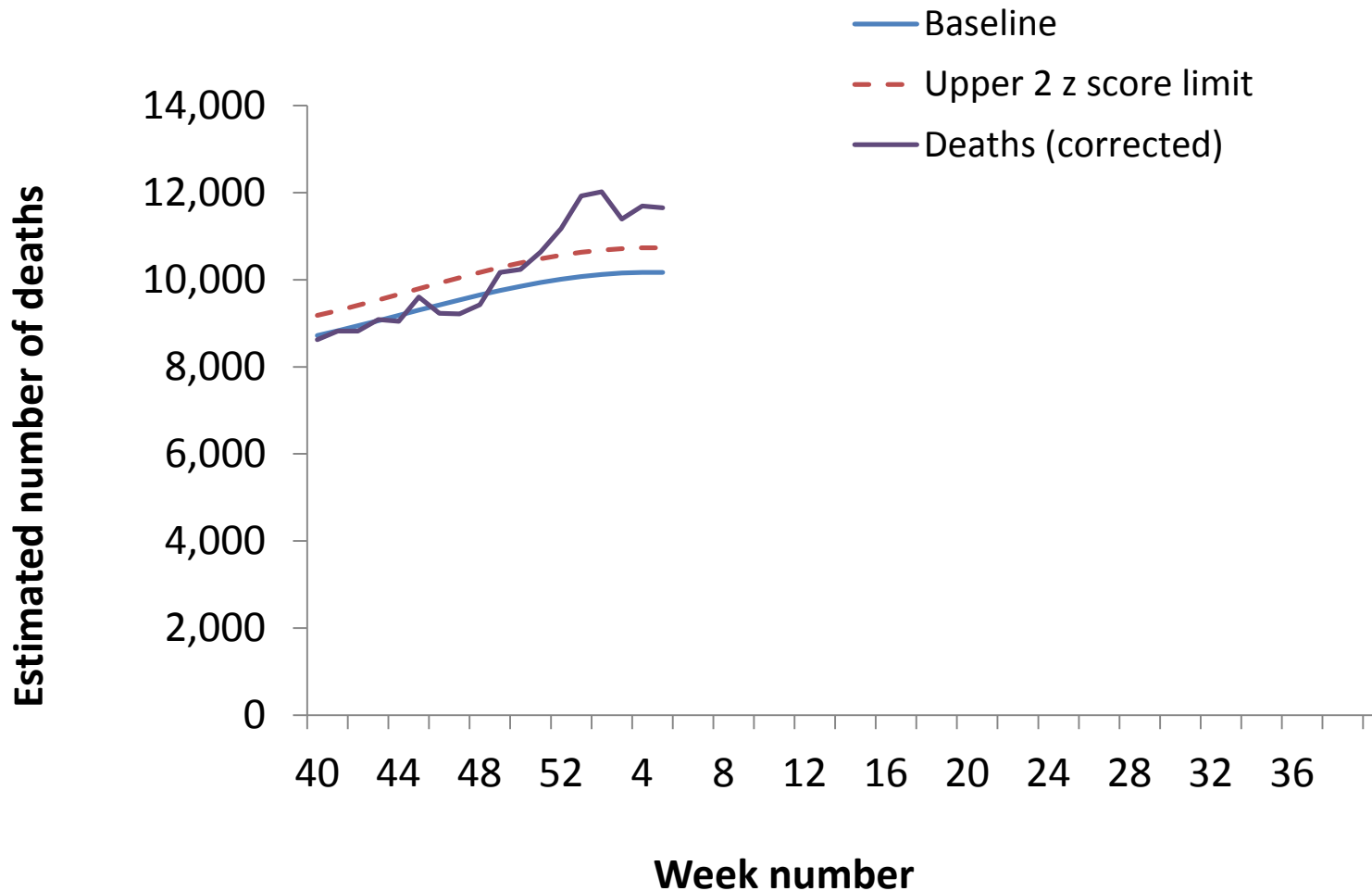


# All-cause mortality



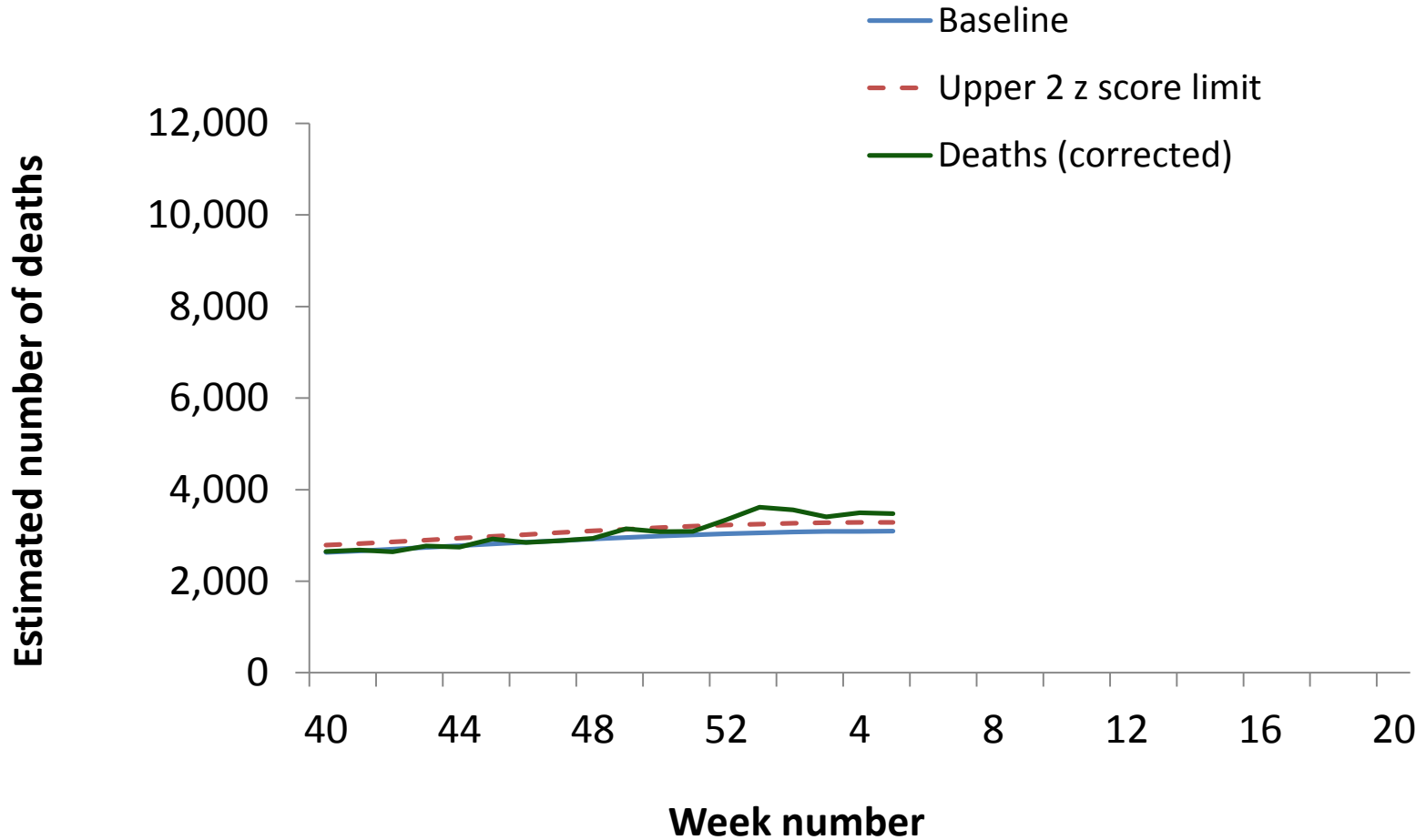


# Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, England



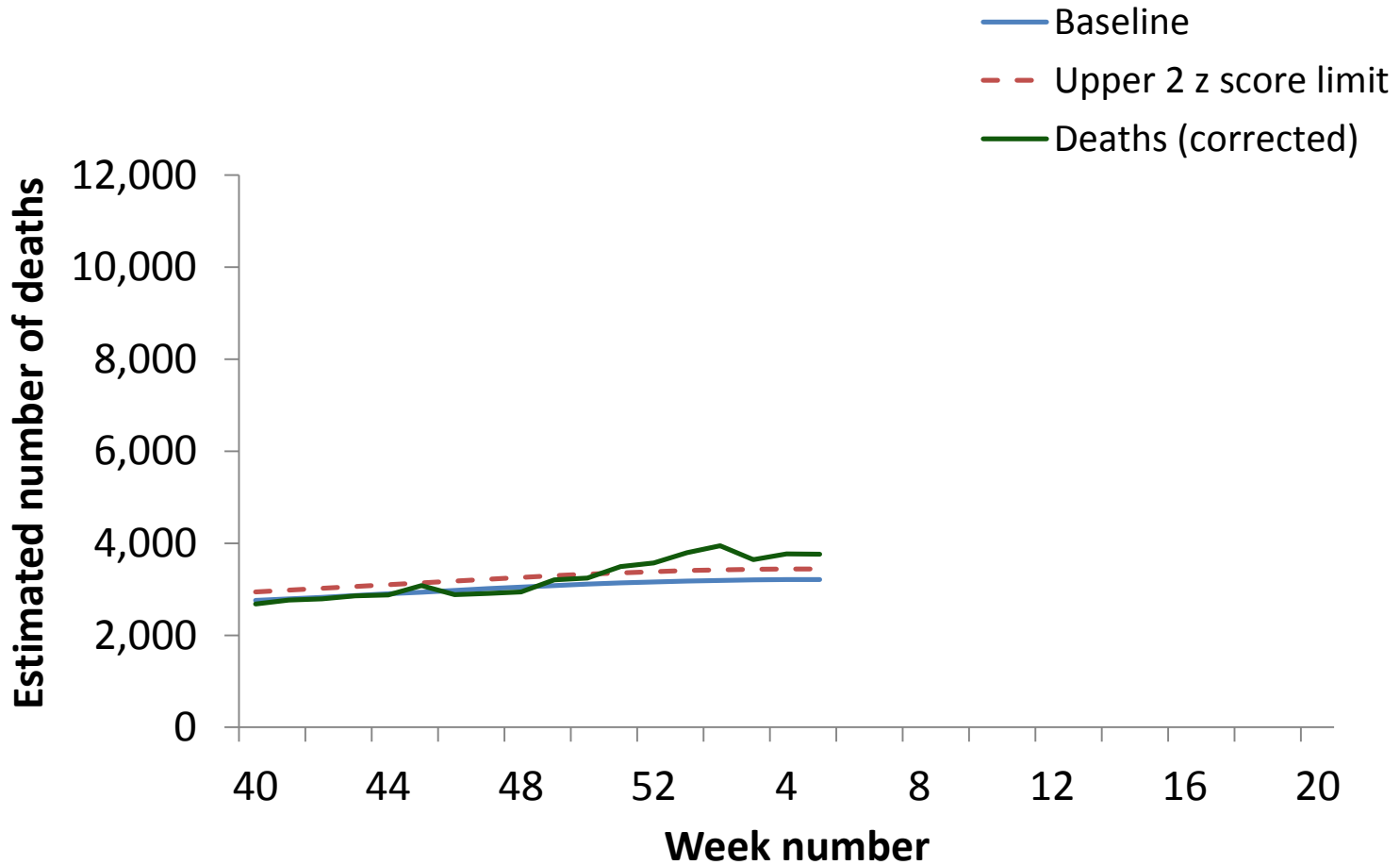


# Excess mortality (all causes) by week of death through the EuroMOMO algorithm, PHE North of England



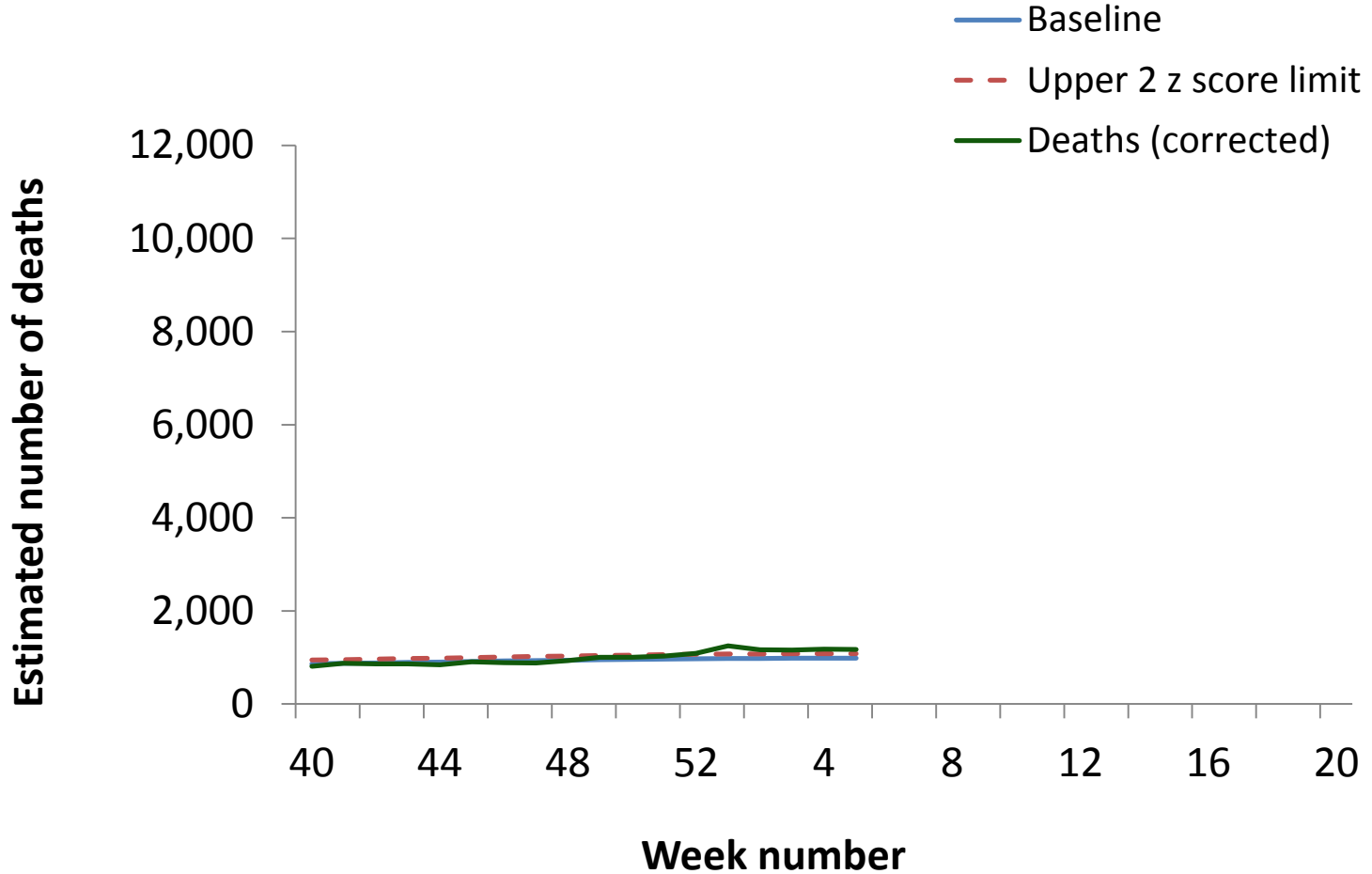


# Excess mortality (all causes) by week of death through the EuroMOMO algorithm, PHE Midlands and East of England



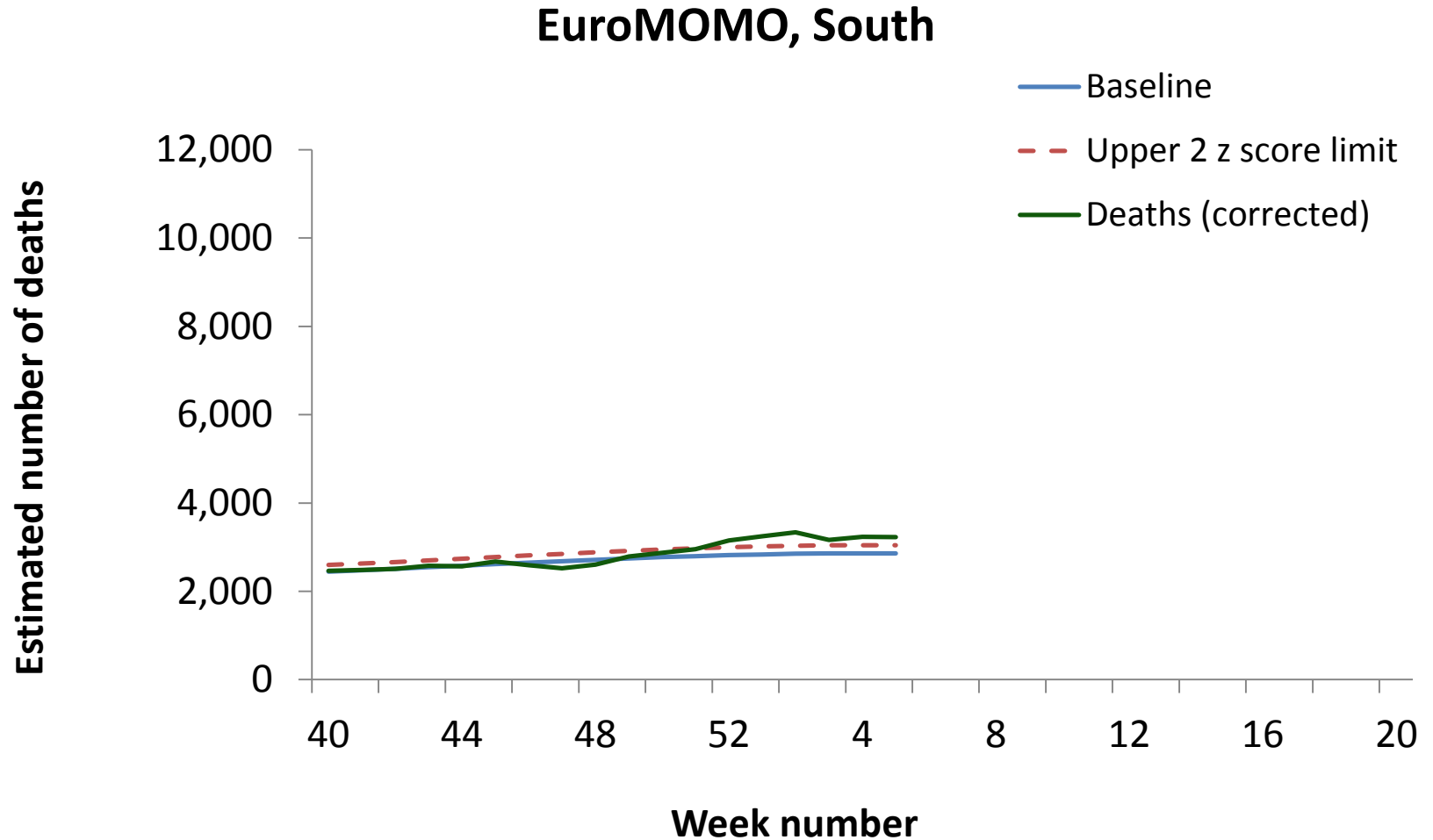


# Excess mortality (all causes) by week of death through the EuroMOMO algorithm, PHE London





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



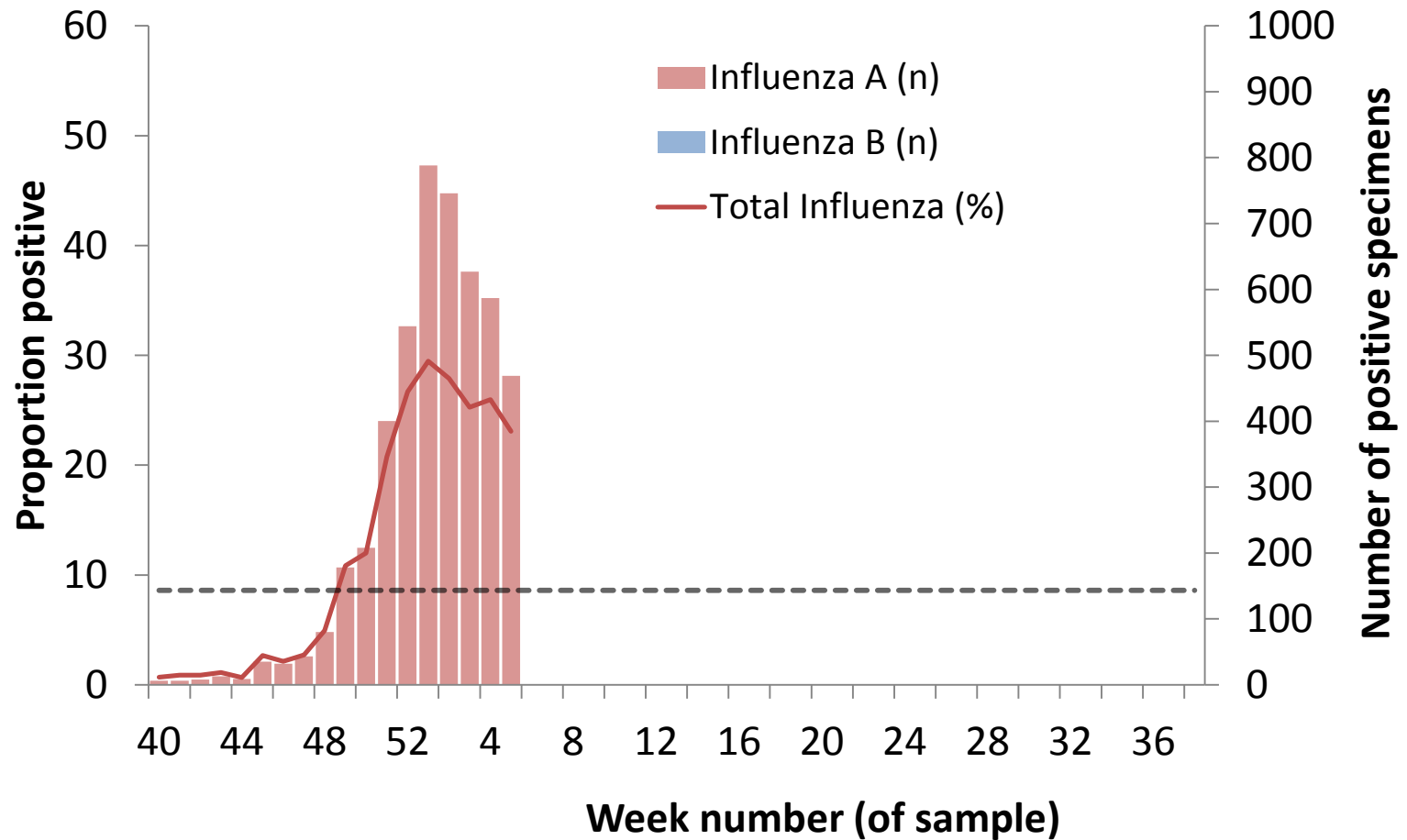


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# Microbiological surveillance

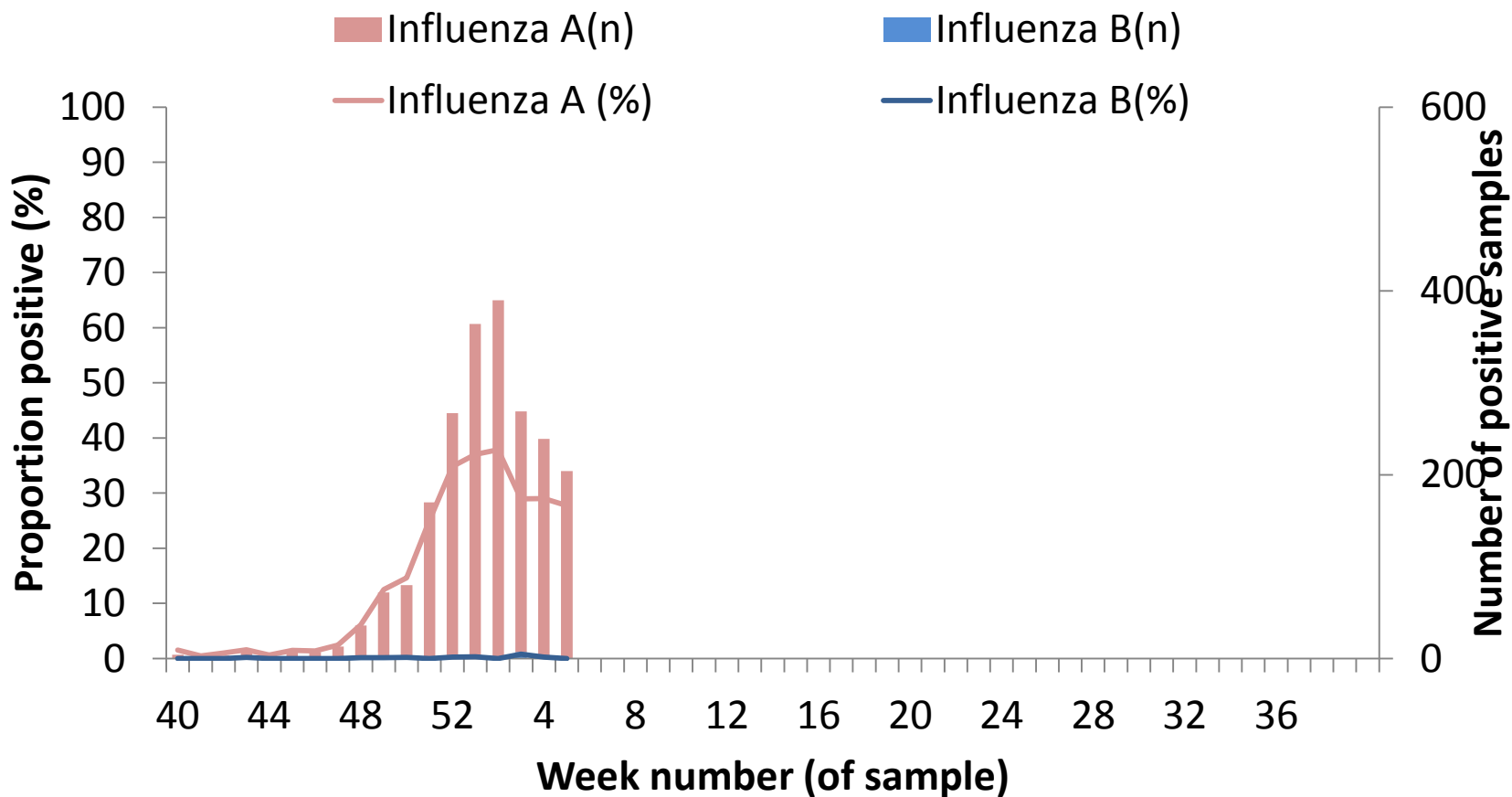


# DataMart: Number and proportion of samples positive for influenza, by type, England





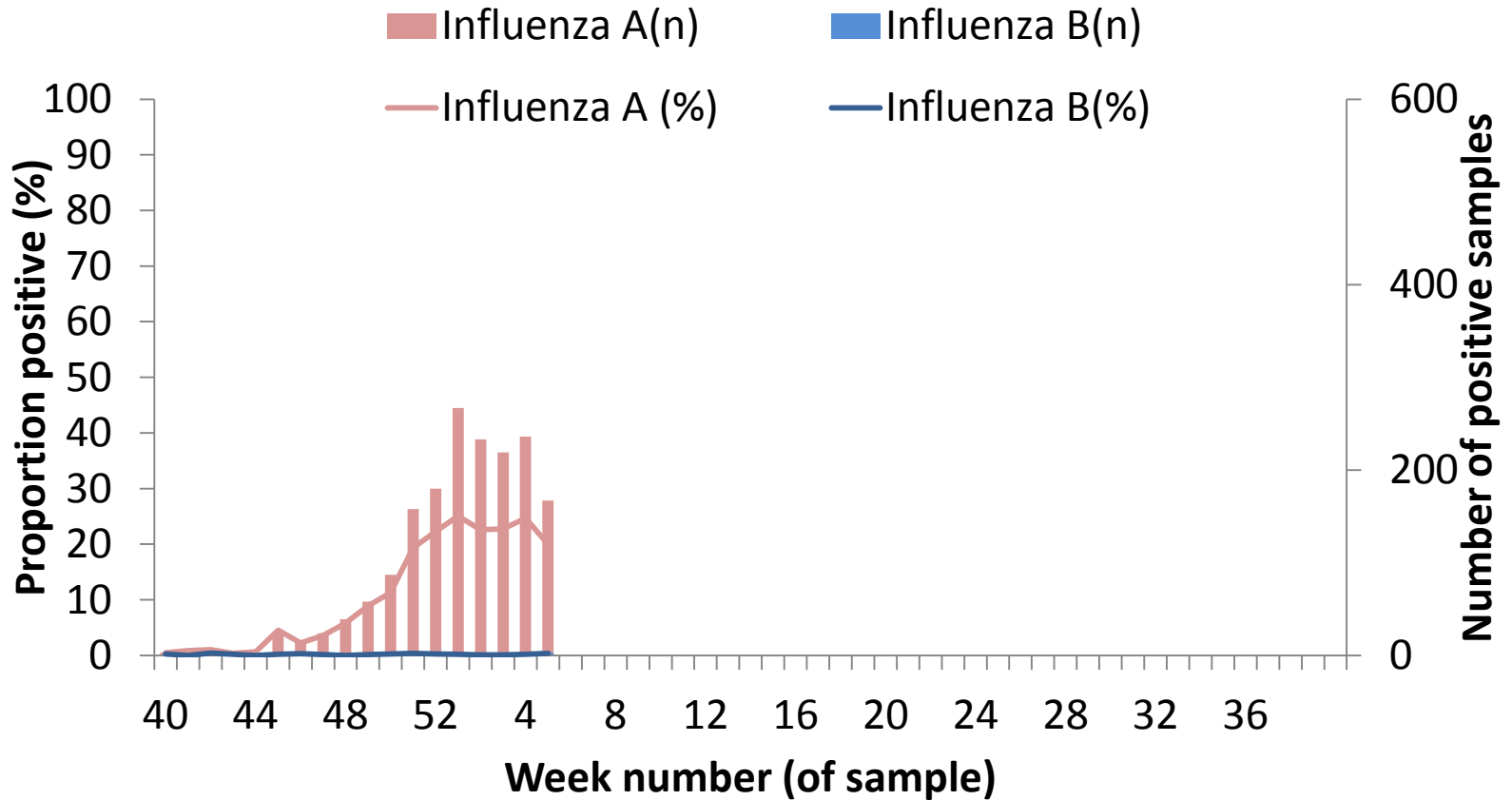
# DataMart: Number and proportion of samples positive for influenza, by type, PHE North of England





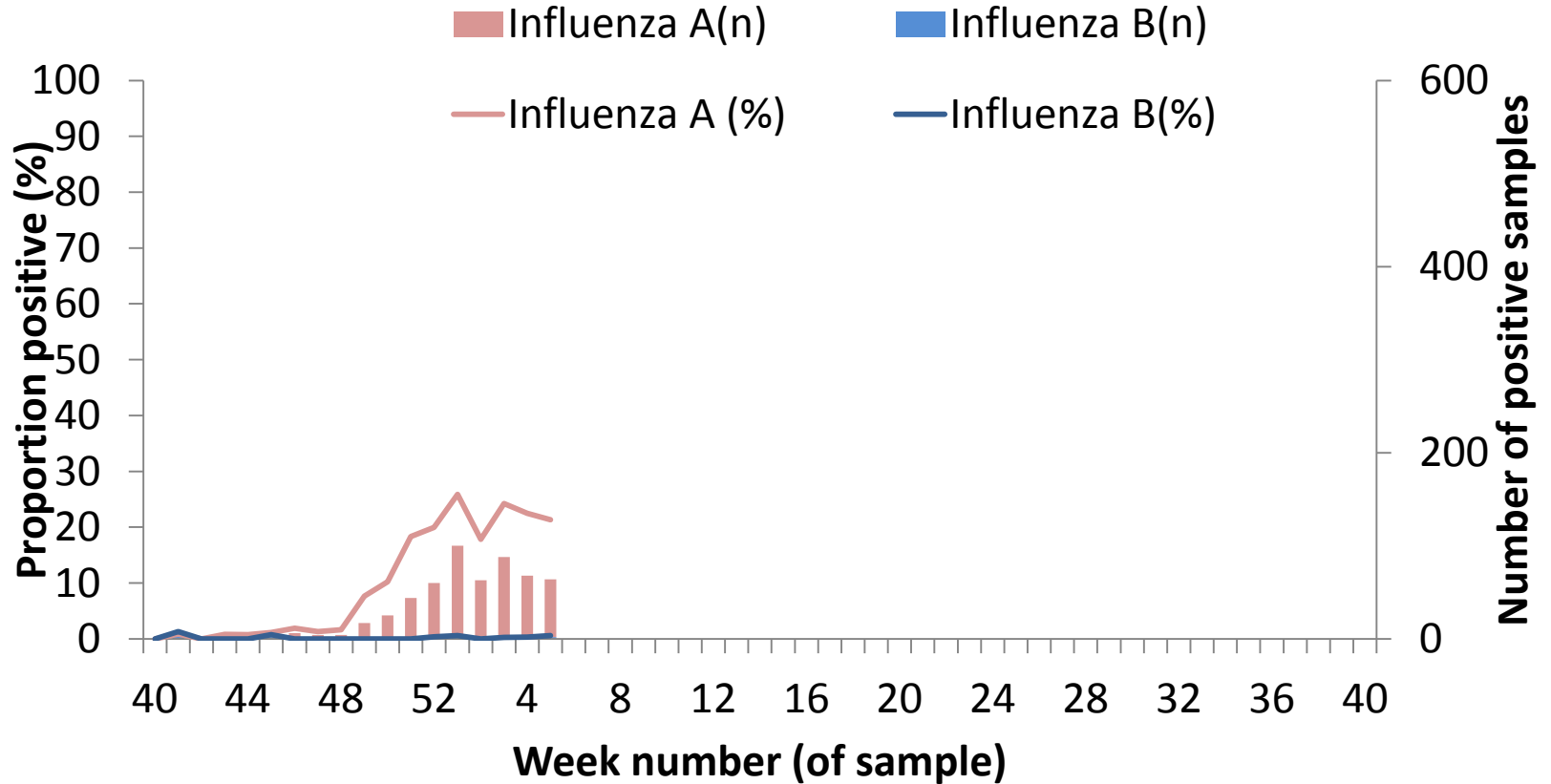


# DataMart: Number and proportion of samples positive for influenza, PHE Midlands and East of England



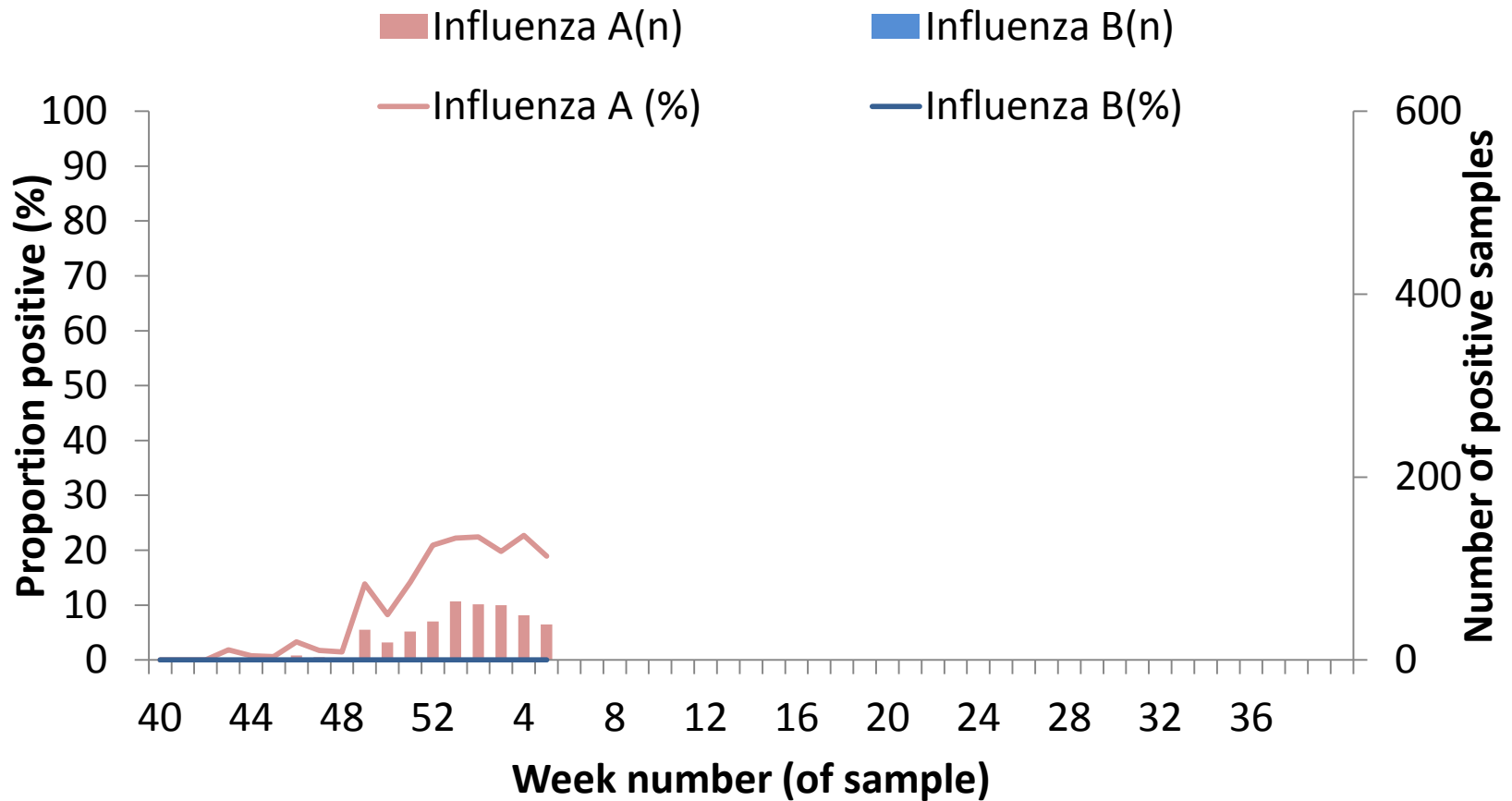


# DataMart: Number and proportion of samples positive for influenza, by type, PHE London



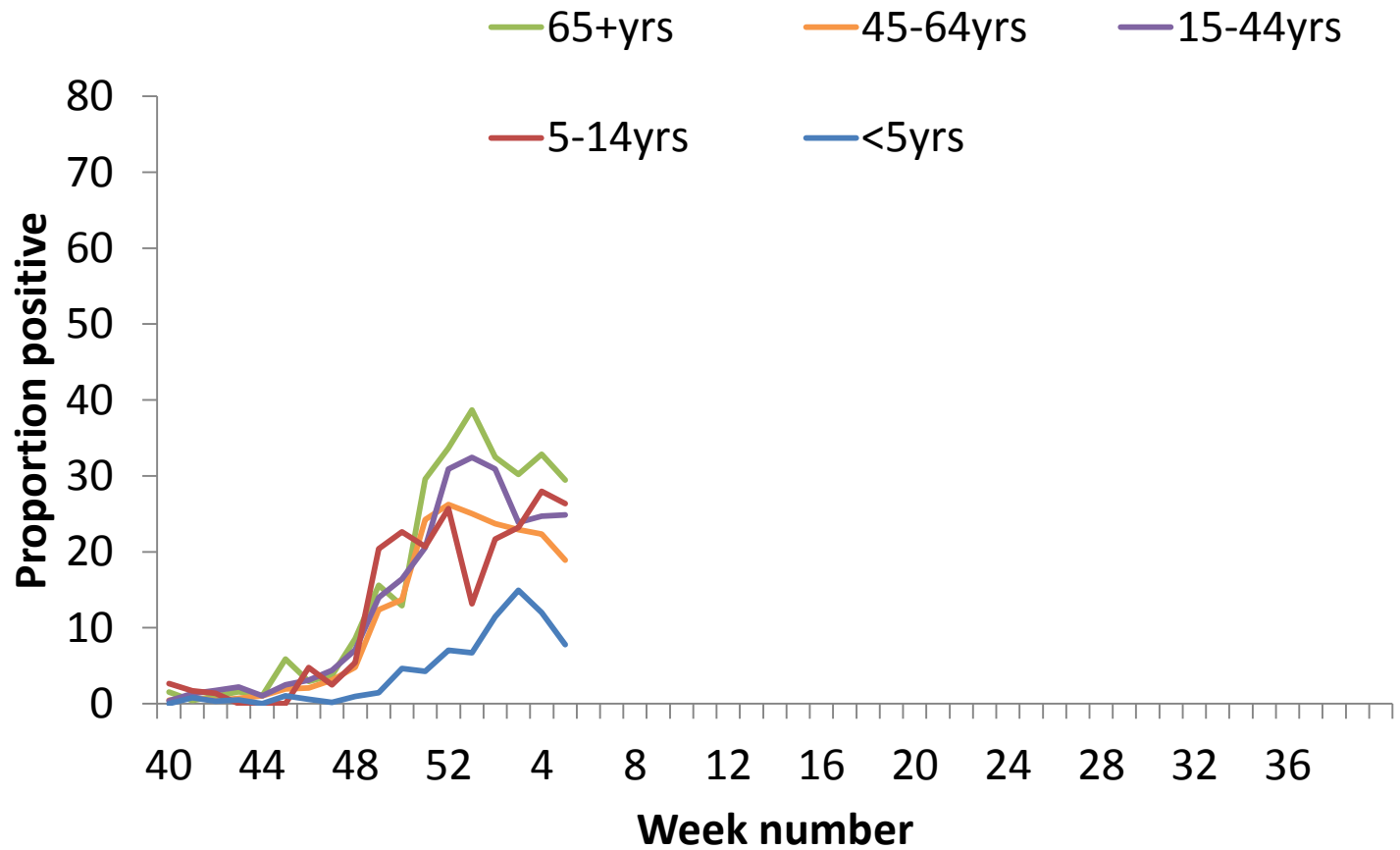


# DataMart: Number and proportion of samples positive for influenza, by type, PHE South of England



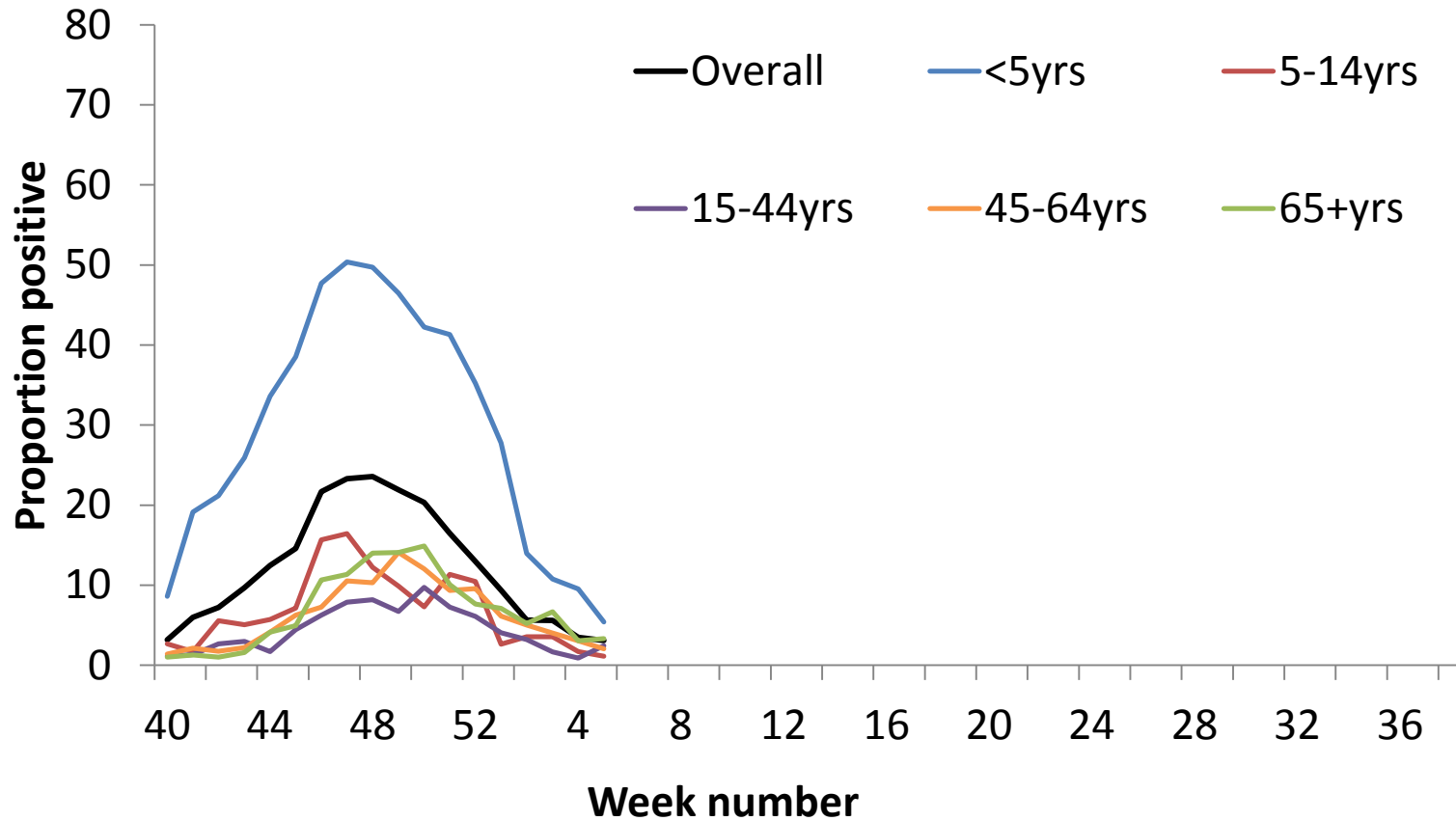


# DataMart: Proportion of samples positive for influenza, by age group



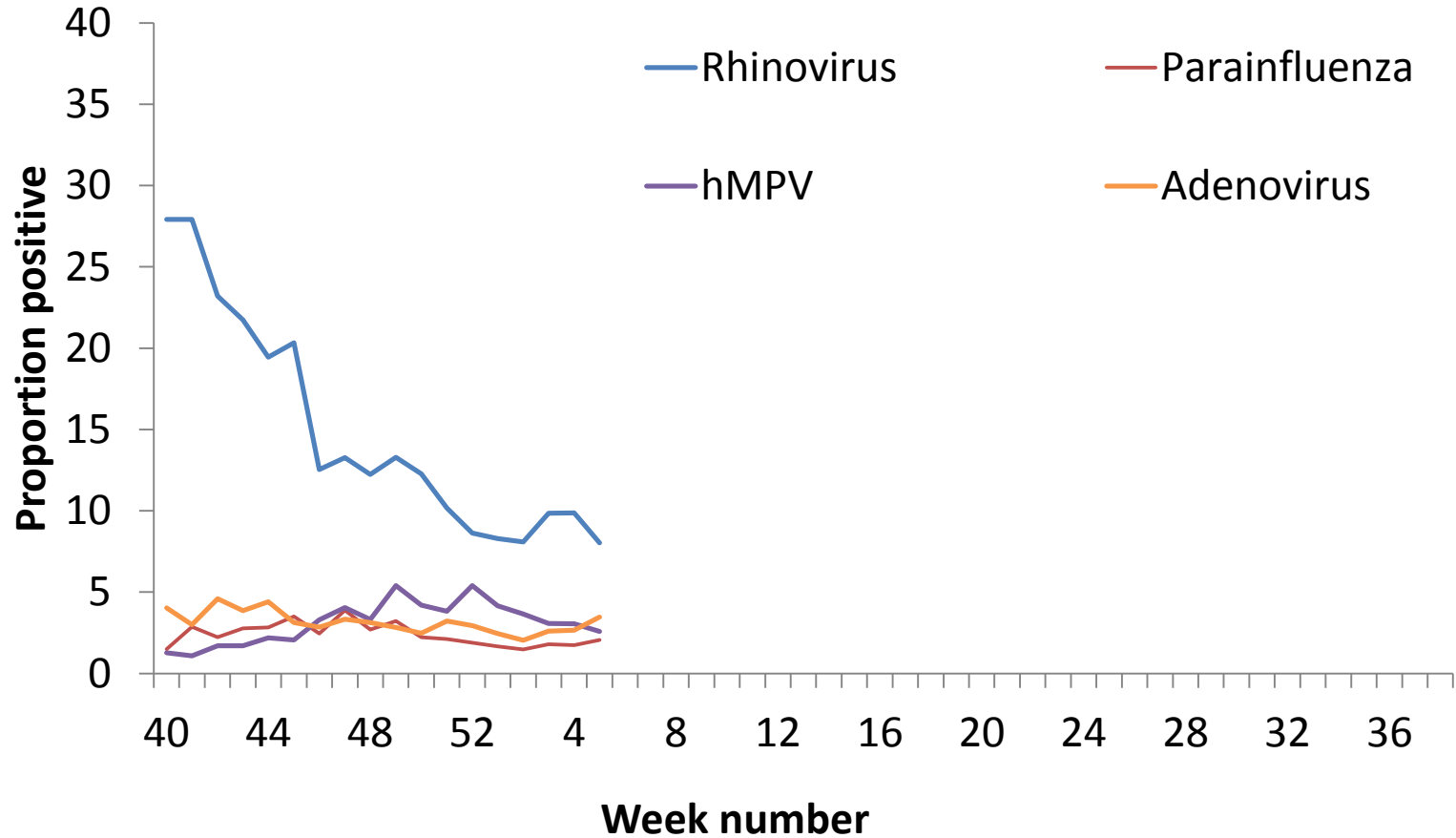


# DataMart: Proportion of samples positive for RSV, by age group





## DataMart: Proportion of samples positive for other viruses



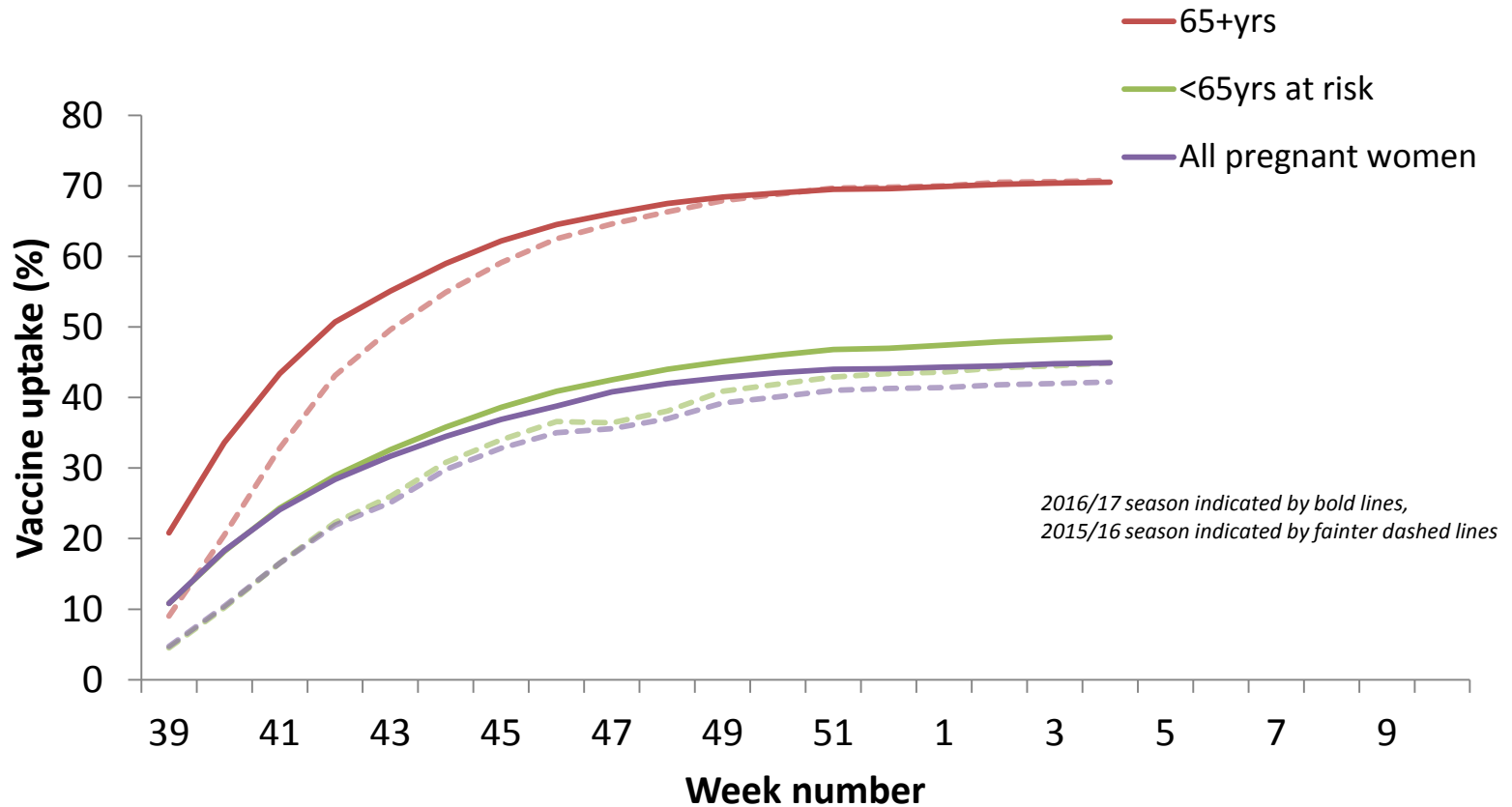


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# Influenza vaccination



# Seasonal influenza vaccine uptake in targeted groups, 2016/17, England

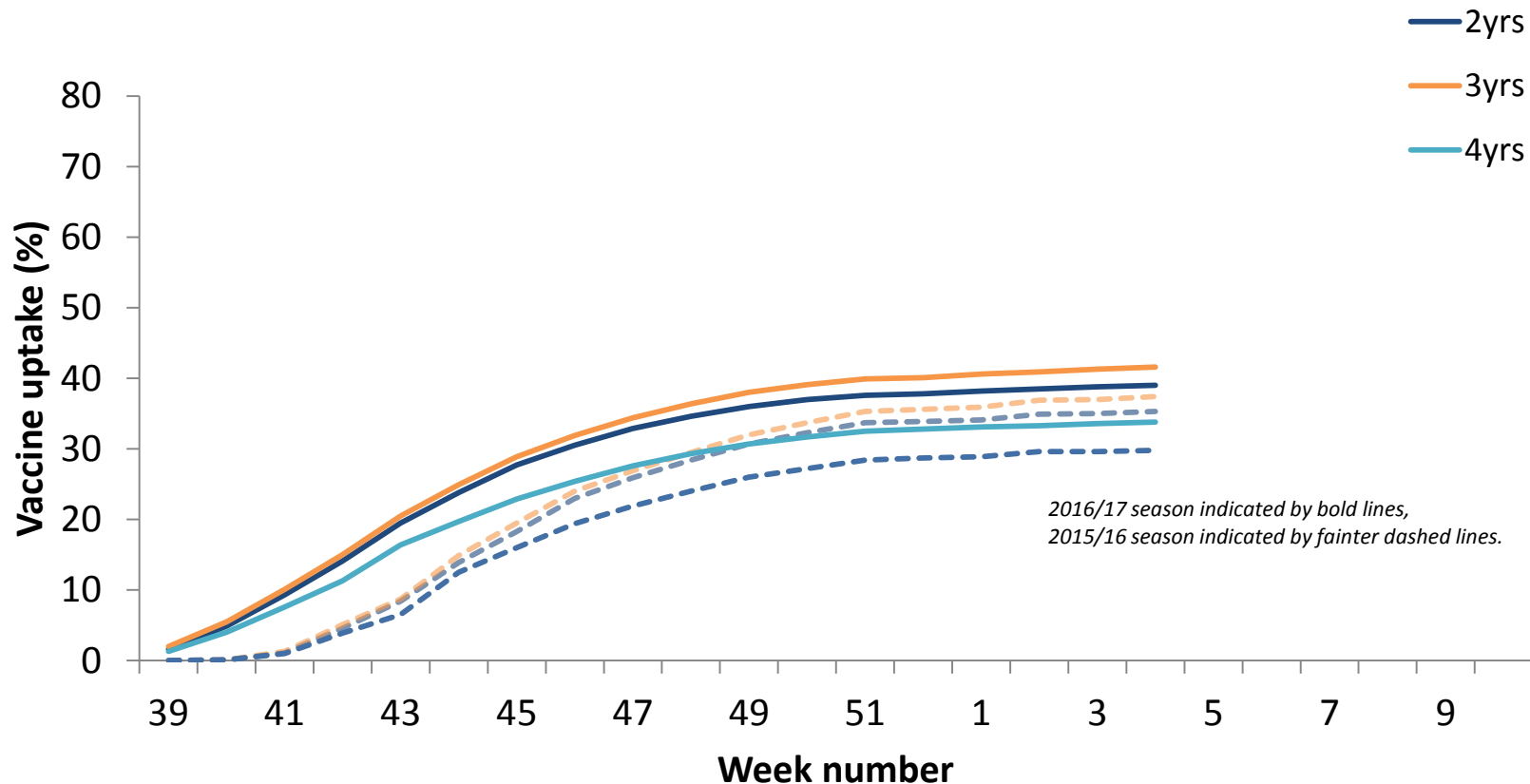


2016/17 season indicated by bold lines,  
2015/16 season indicated by fainter dashed lines





# Seasonal influenza vaccine uptake in targeted groups, 2016/17, England



2016/17 season indicated by bold lines,  
2015/16 season indicated by fainter dashed lines.



# 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>