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
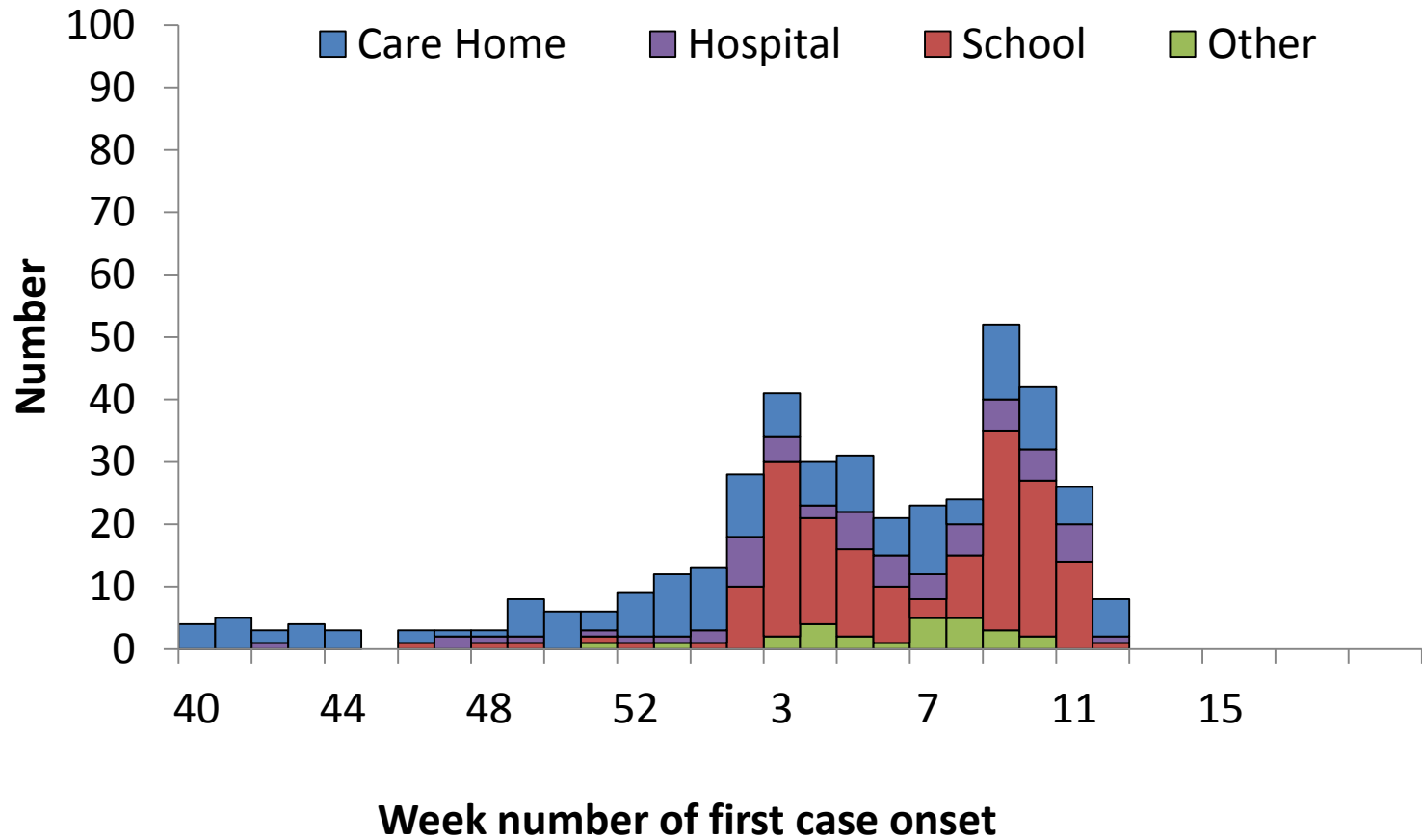
Public Health England

respcidsc@phe.gov.uk

Community influenza surveillance
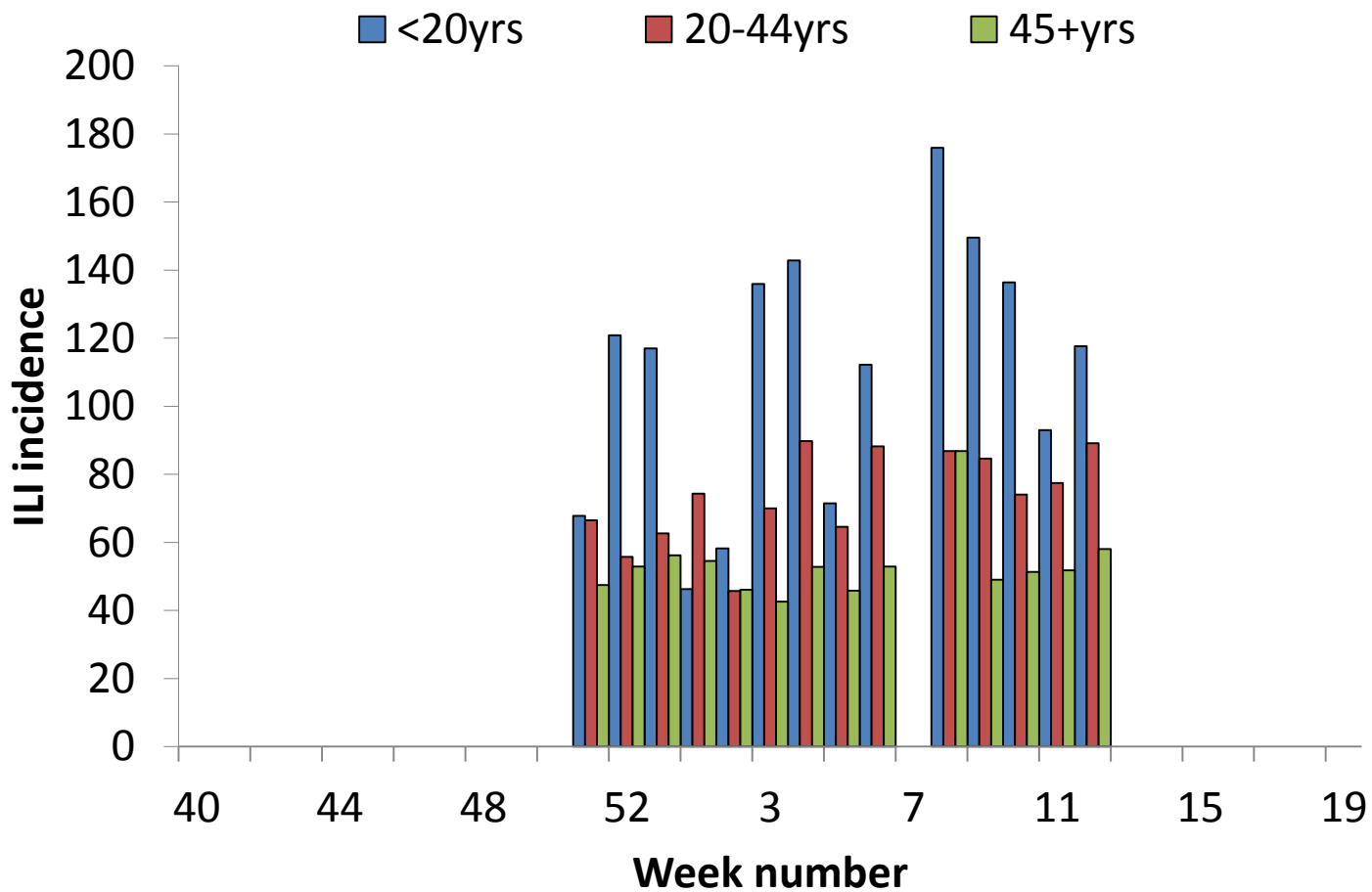
Number of acute respiratory outbreaks by institution, UK

Outbreaks (table by PHE Region)

	Outbreaks reported in Week 12	Cumulative since Week 40
PHE North of England	1	52
PHE Midlands and East of England	3	108
PHE London	0	31
PHE South of England	4	193

FluSurvey ILI incidence by age group, UK

Influenza-like illness GP consultation rates

GP In Hours ILI consultation rate, England
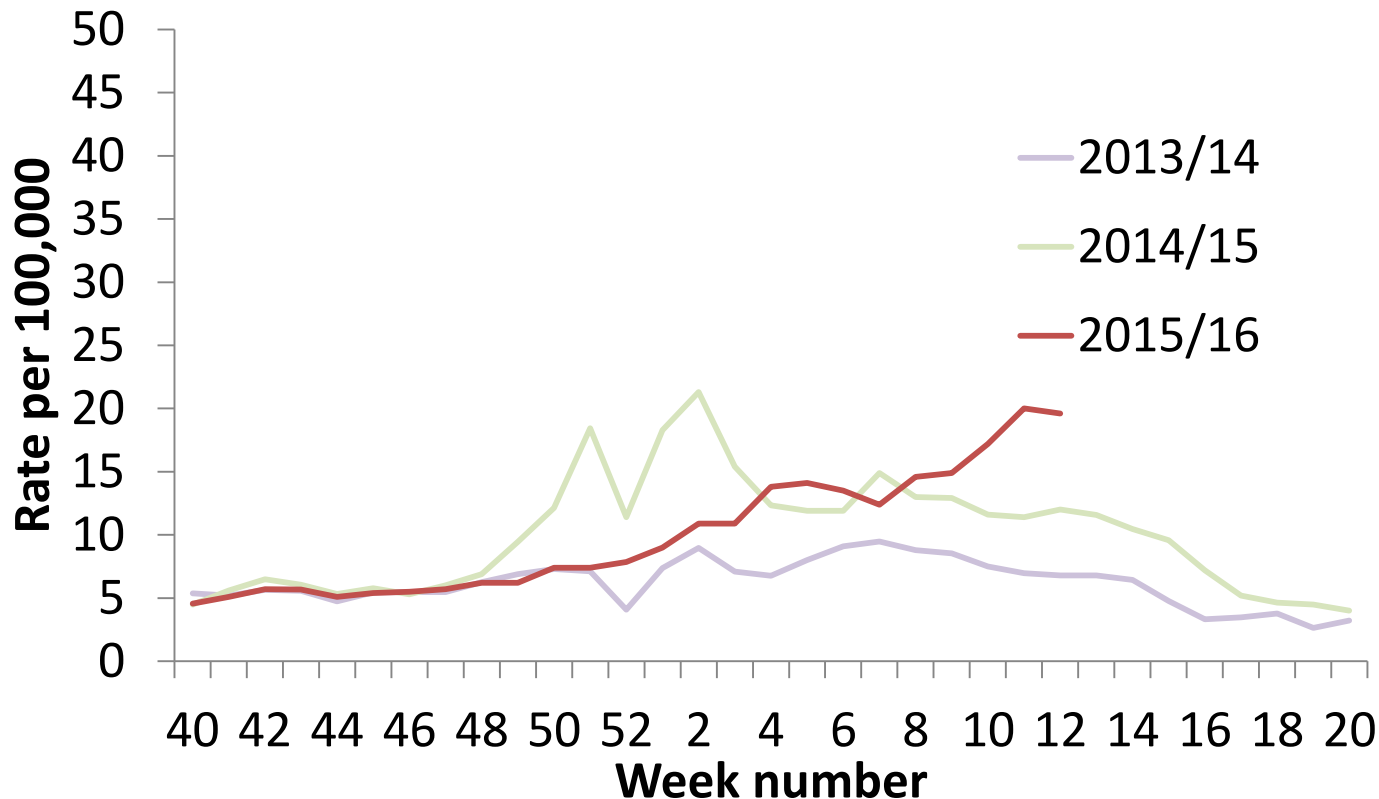
Public Health England

NB: As week 53 appears in 2015 but not in previous years, the figure used for week 52 on this graph is an average of week 52 and week 53 data.
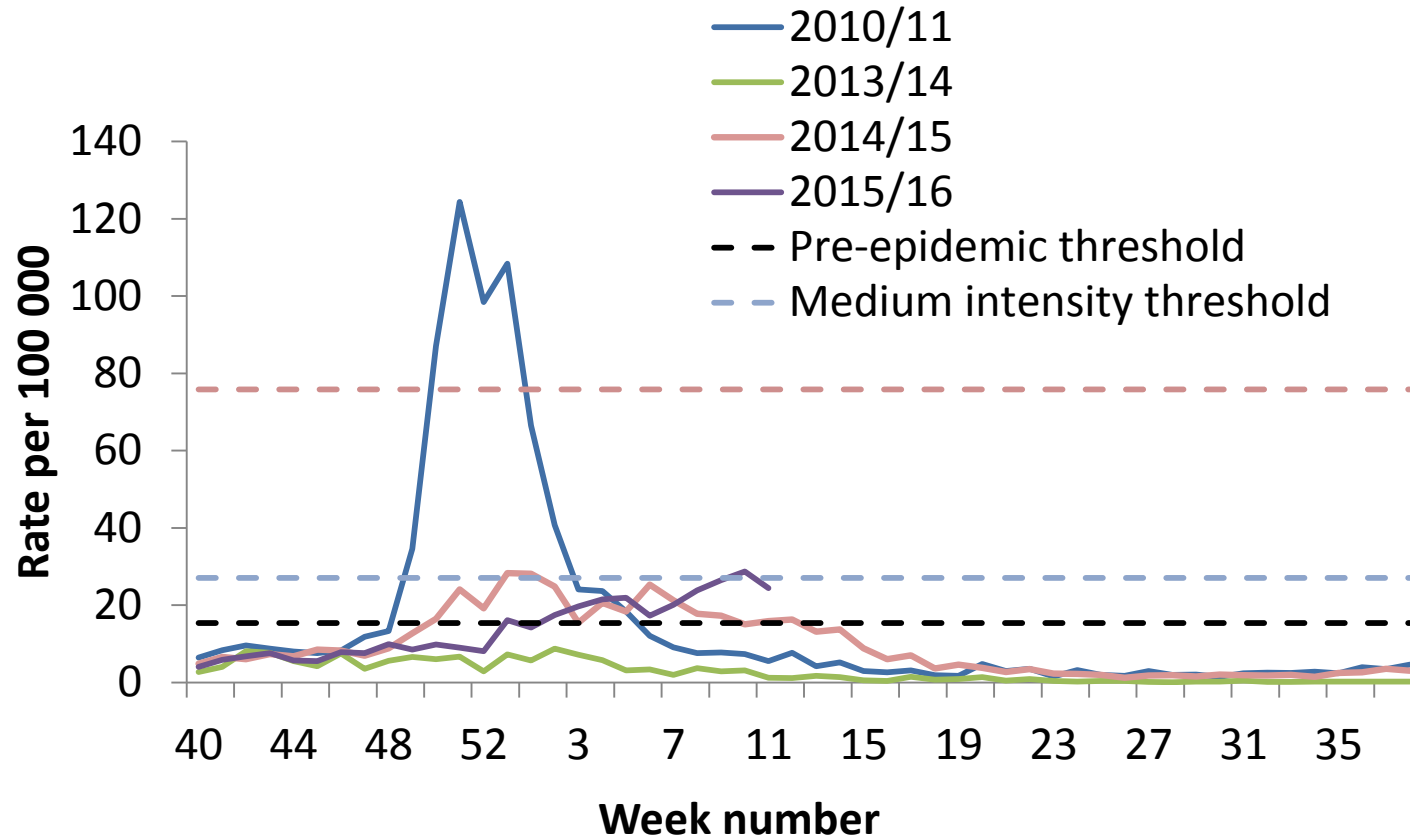
RCGP ILI consultation rate, England

NB: As week 53 appears in 2015 but not in previous years, the figure used for week 52 on this graph is an average of week 52 and week 53 data.
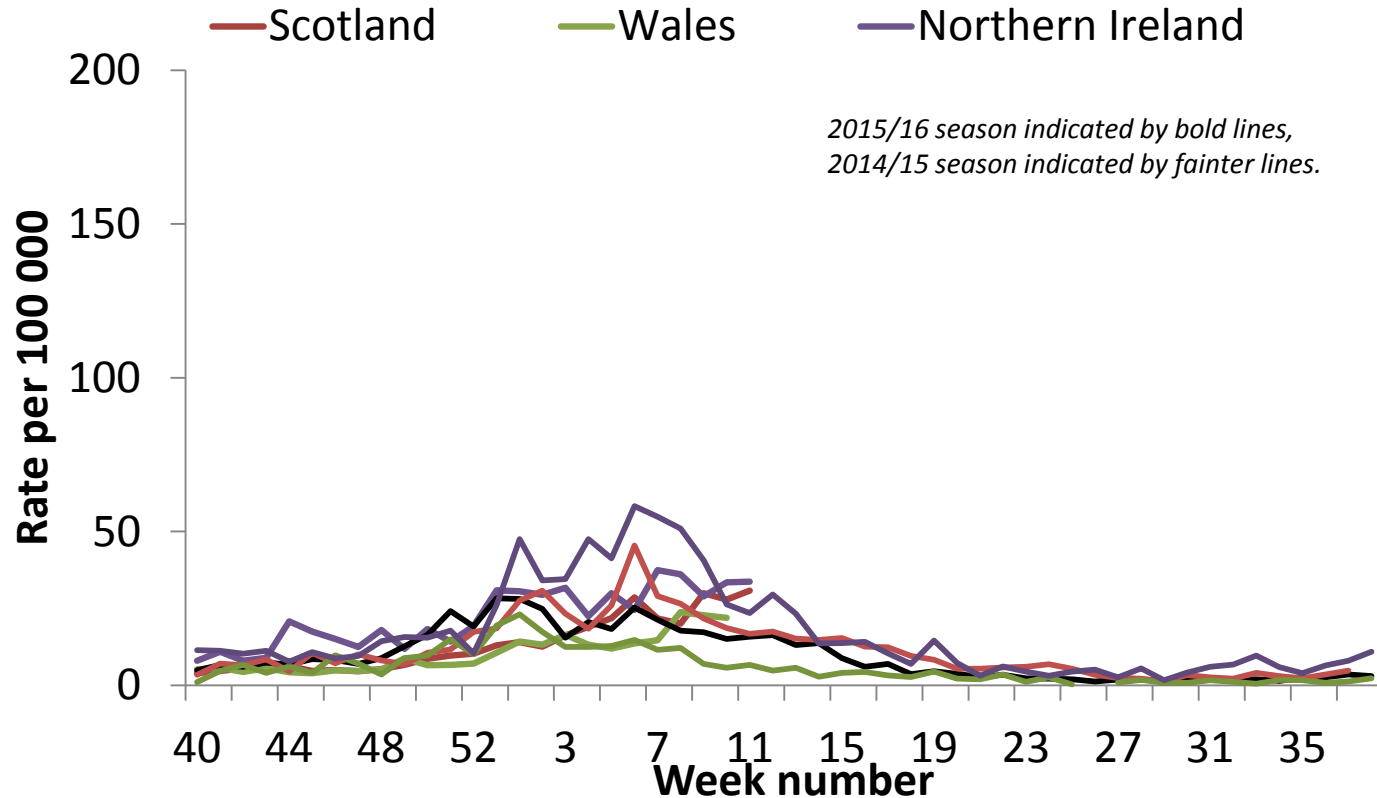
31 March 2016

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ILI/influenza –Scotland, Wales and Northern Ireland

2015/16 season indicated by bold lines, 2014/15 season indicated by fainter lines.

NB: As week 53 appears in 2015 but not in previous years, the figure used for week 52 on this graph is an average of week 52 and week 53 data.
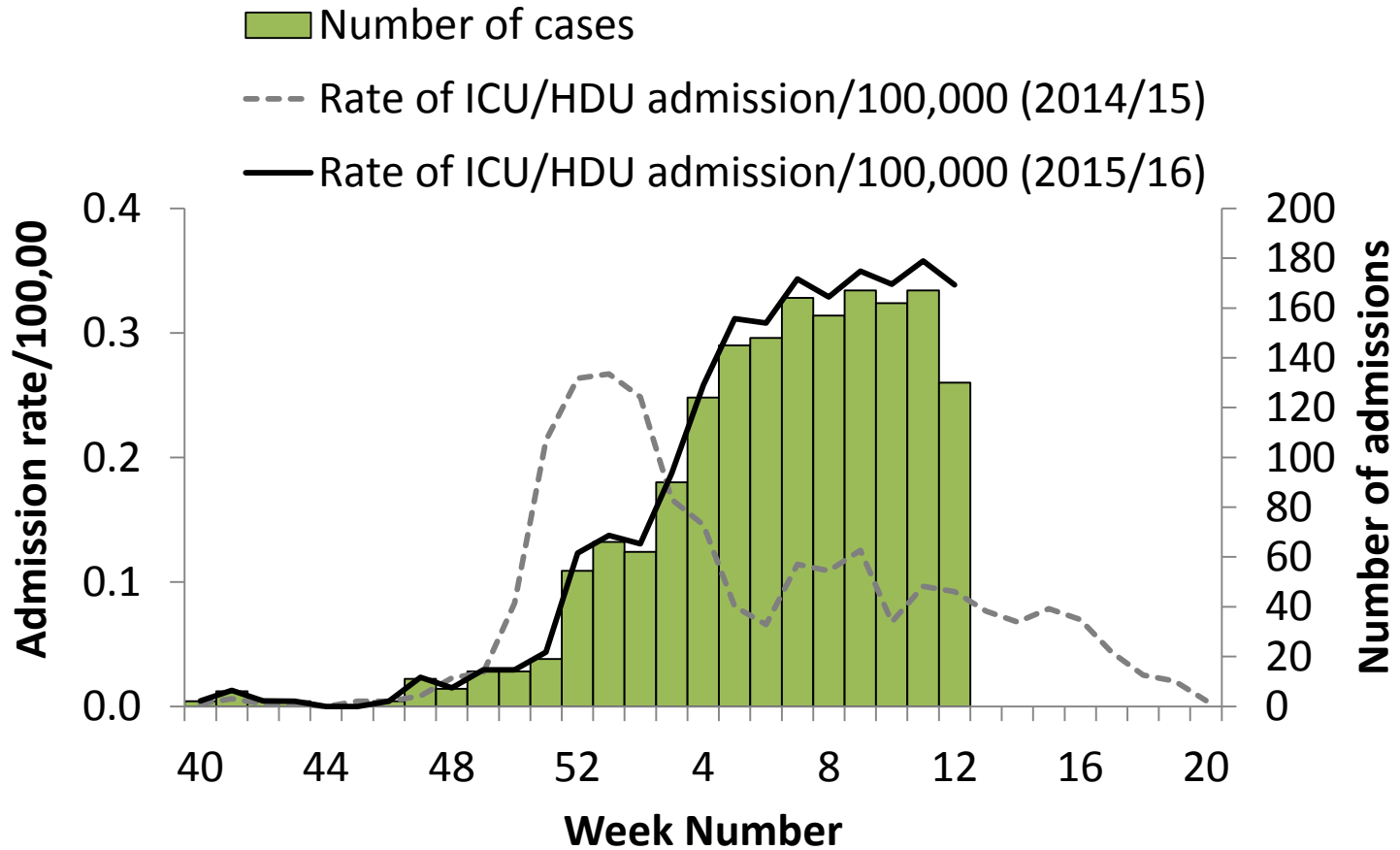
Scottish rates are weekly averages of daily data.
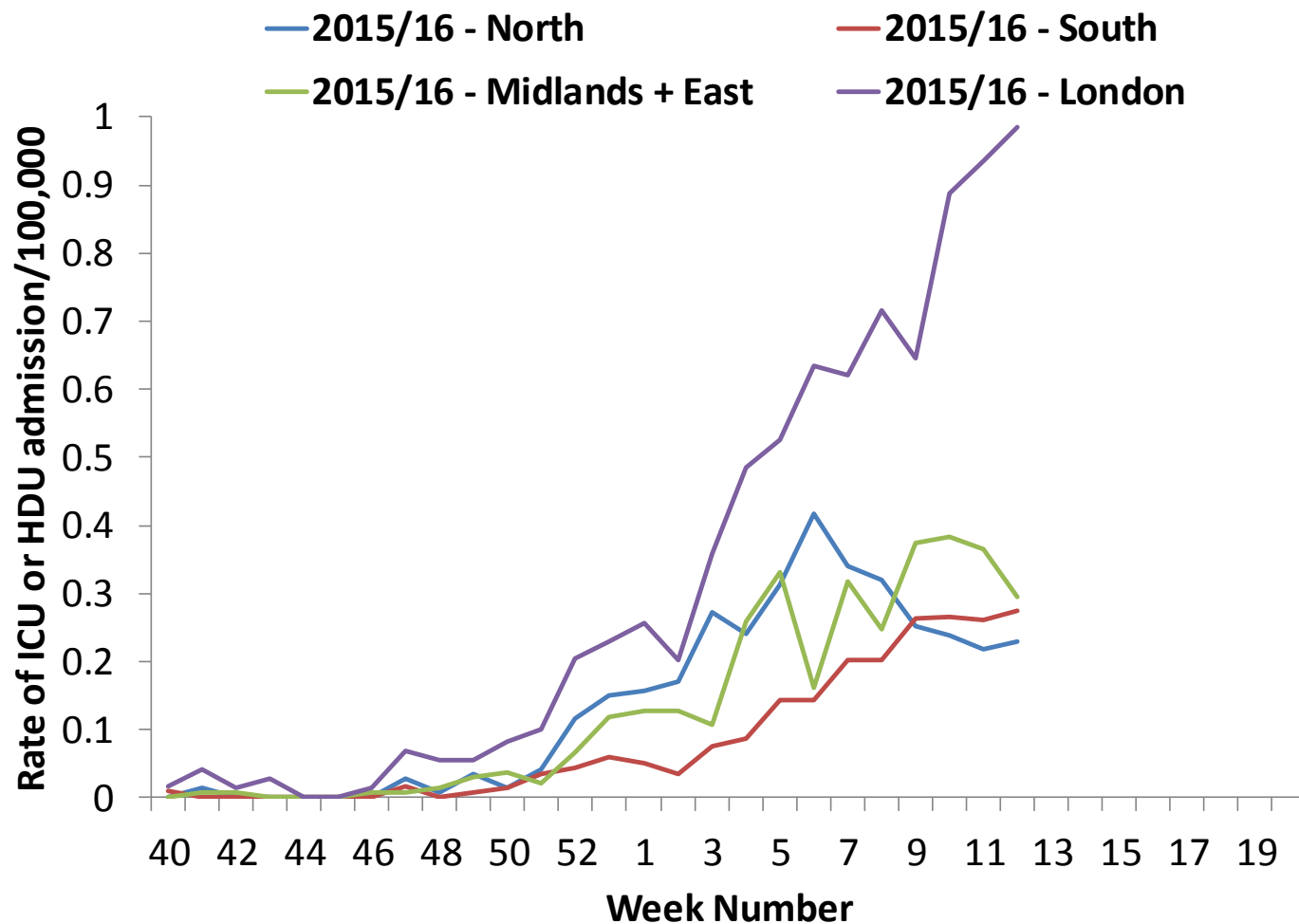
Influenza-confirmed hospitalisations

Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population , England, since week 40 2015

Public Health England

Legend:
- Number of cases
- Rate of ICU/HDU admission/100,000 (2014/15)
- Rate of ICU/HDU admission/100,000 (2015/16)

Y-axis (left): Admission rate/100,00 (0.0 to 0.4)
Y-axis (right): Number of admissions (0 to 200)
X-axis: Week Number (40 to 20)

NB: As week 53 appears in 2015 but not in previous years, the figure used for week 52 on this graph is an average of week 52 and week 53 data.
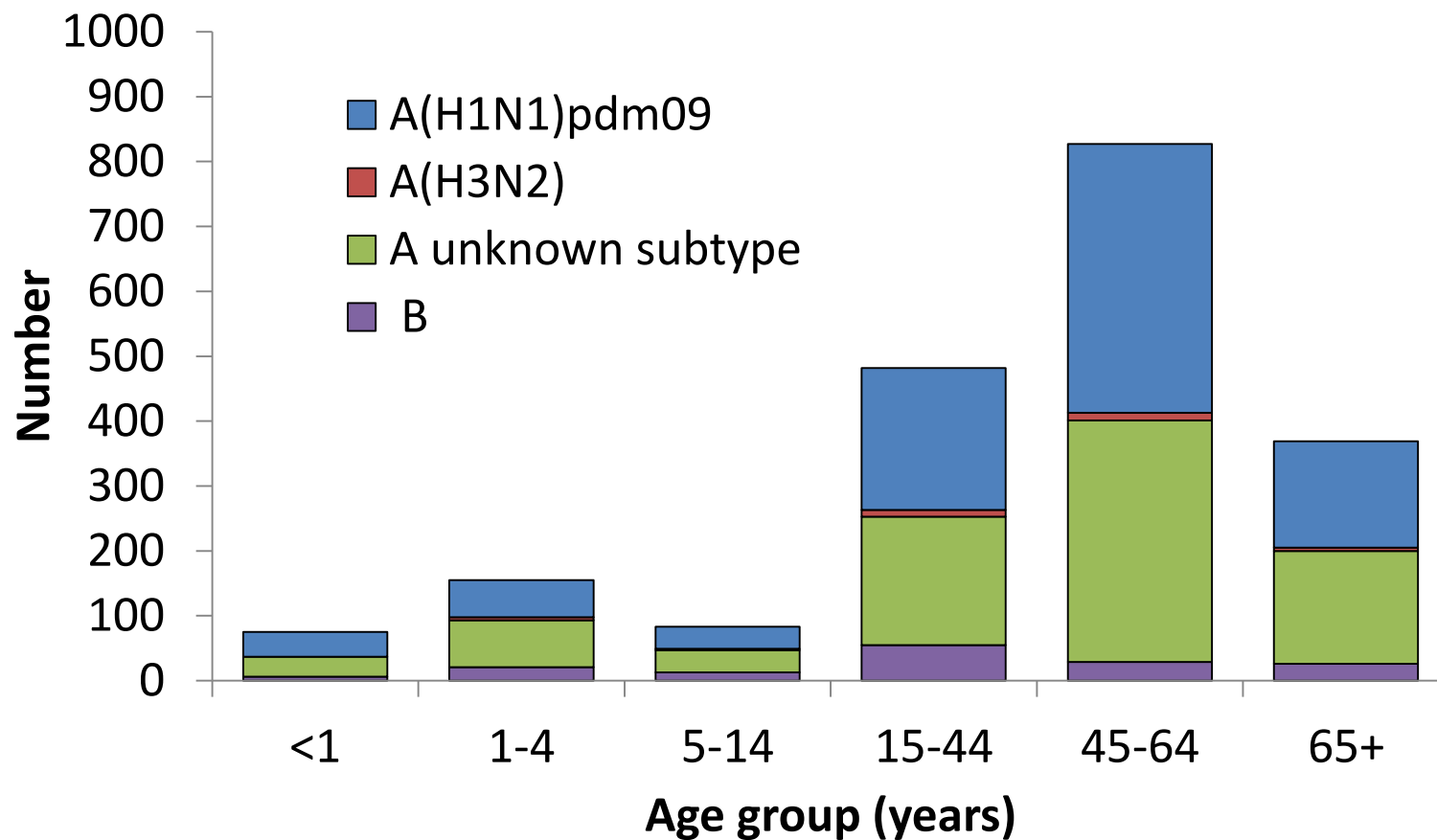
31 March 2016

Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population by PHE region, since week 40 2015

Public Health England

2015/16 - North
2015/16 - South
2015/16 - Midlands + East
2015/16 - London

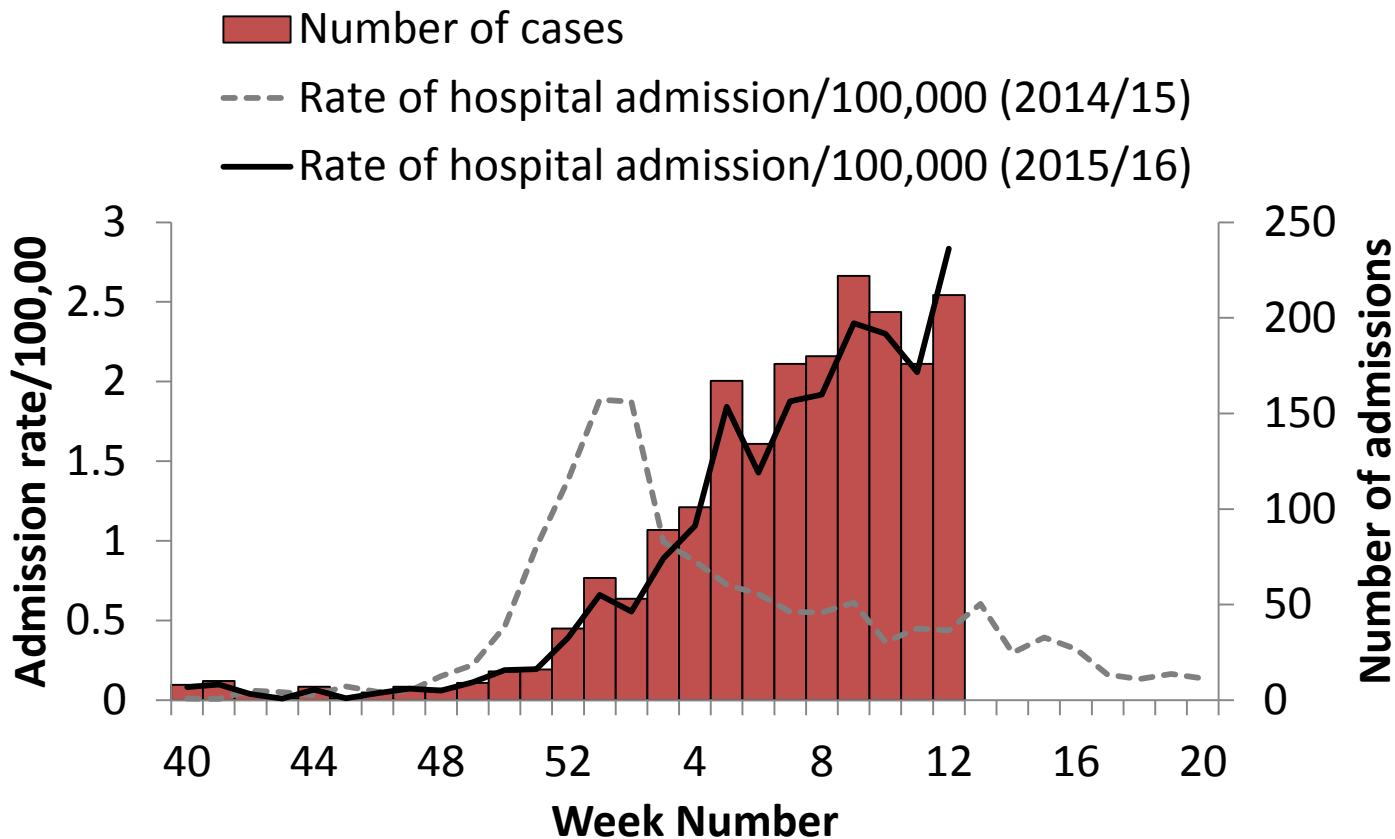Rate of ICU or HDU admission/100,000

Week Number

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Influenza confirmed ICU admissions (USISS mandatory) by age and influenza subtype

Weekly hospitalised influenza case rate per 100,000 trust catchment population , England, since week 40 2015

Legend:
- Number of cases
- Rate of hospital admission/100,000 (2014/15)
- Rate of hospital admission/100,000 (2015/16)

NB: As week 53 appears in 2015 but not in previous years, the figure used for week 52 on this graph is an average of week 52 and week 53 data.

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Weekly hospitalised influenza case rate per 100,000 trust catchment population by PHE Region, since week 40 2015

Legend:
- 2015/16-North
- 2015/16-Midlands + East
- 2015/16-London
- 2015/16-South
- 2014/15 hospitalisation rate/100,000 - England

Y-axis: Rate of hospitalisation/100,000

X-axis: Week — 40, 42, 44, 46, 48, 50, 52, 1, 3, 5, 7, 9, 11, 13, 15, 17, 19

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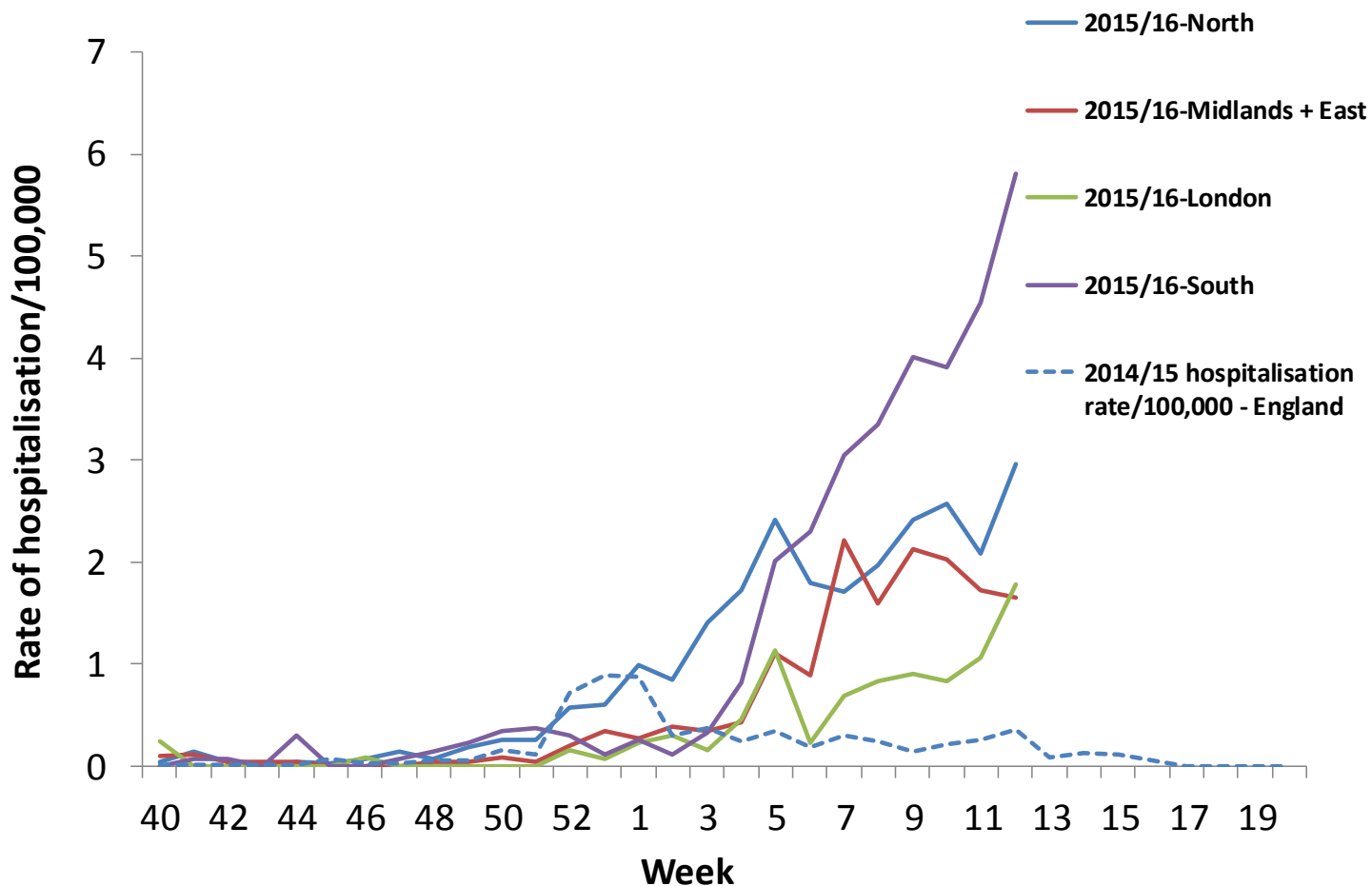
All-cause mortality

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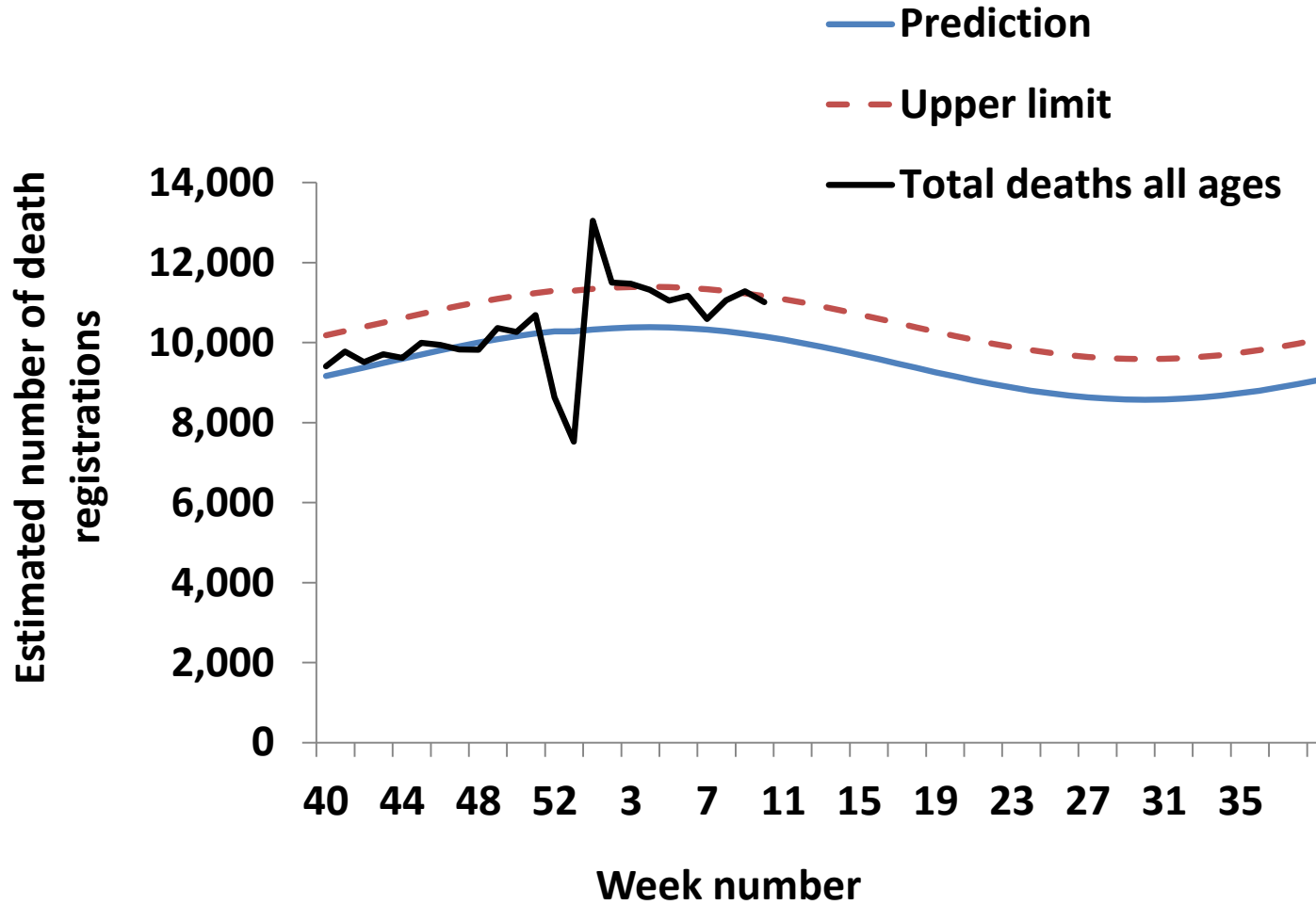
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, England
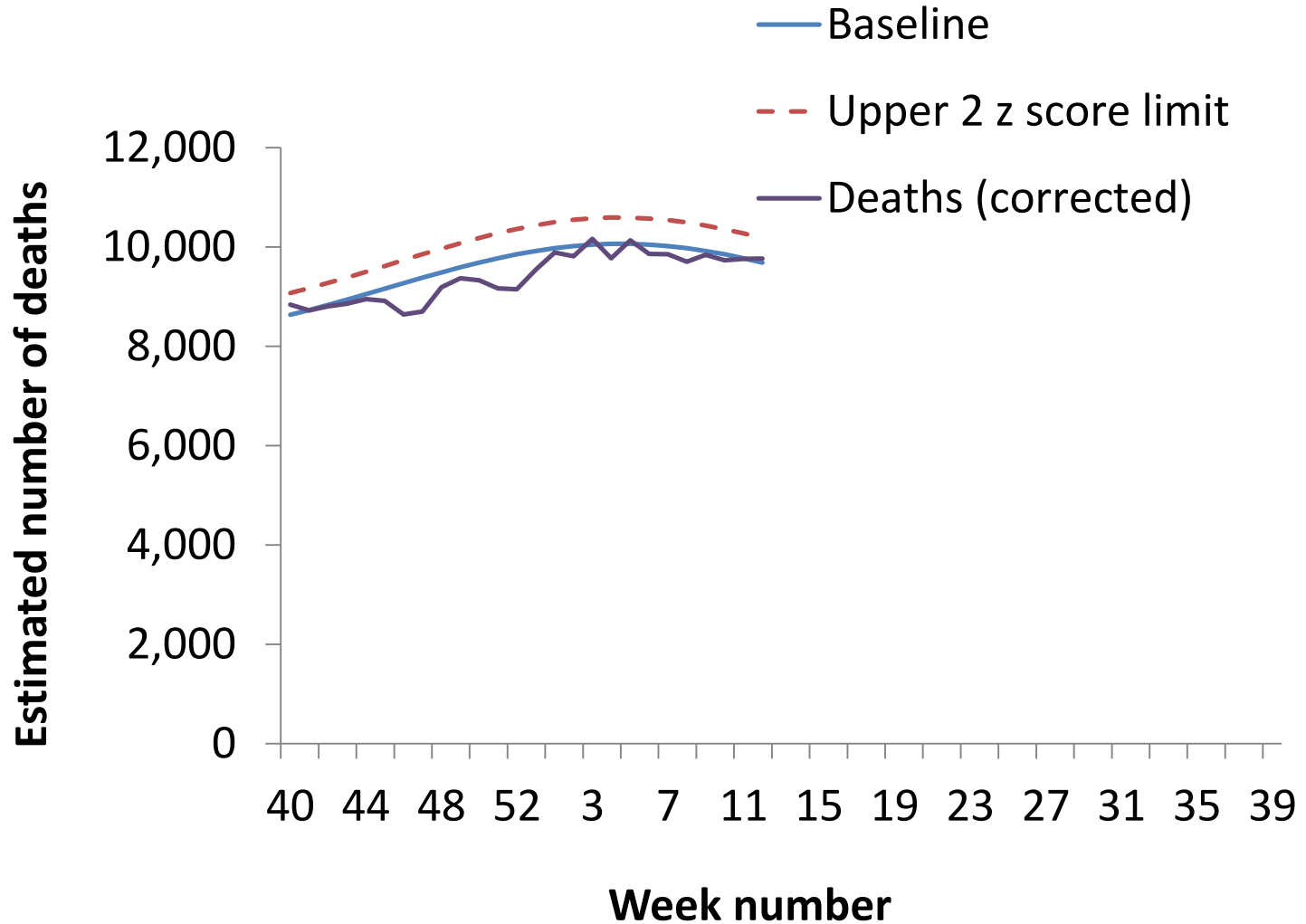
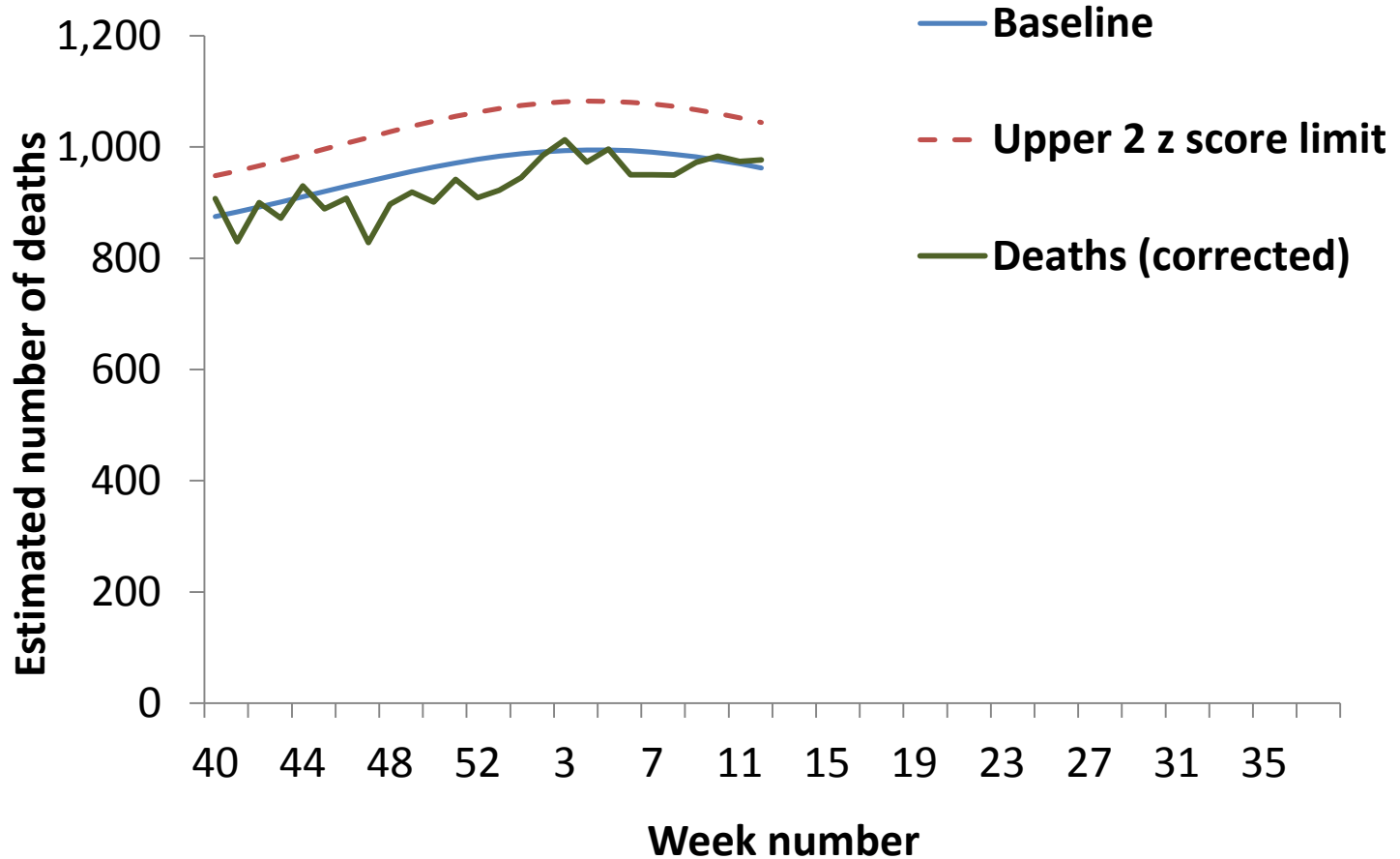Excess mortality (all causes) by week of death through the EuroMOMO algorithm, PHE North of England
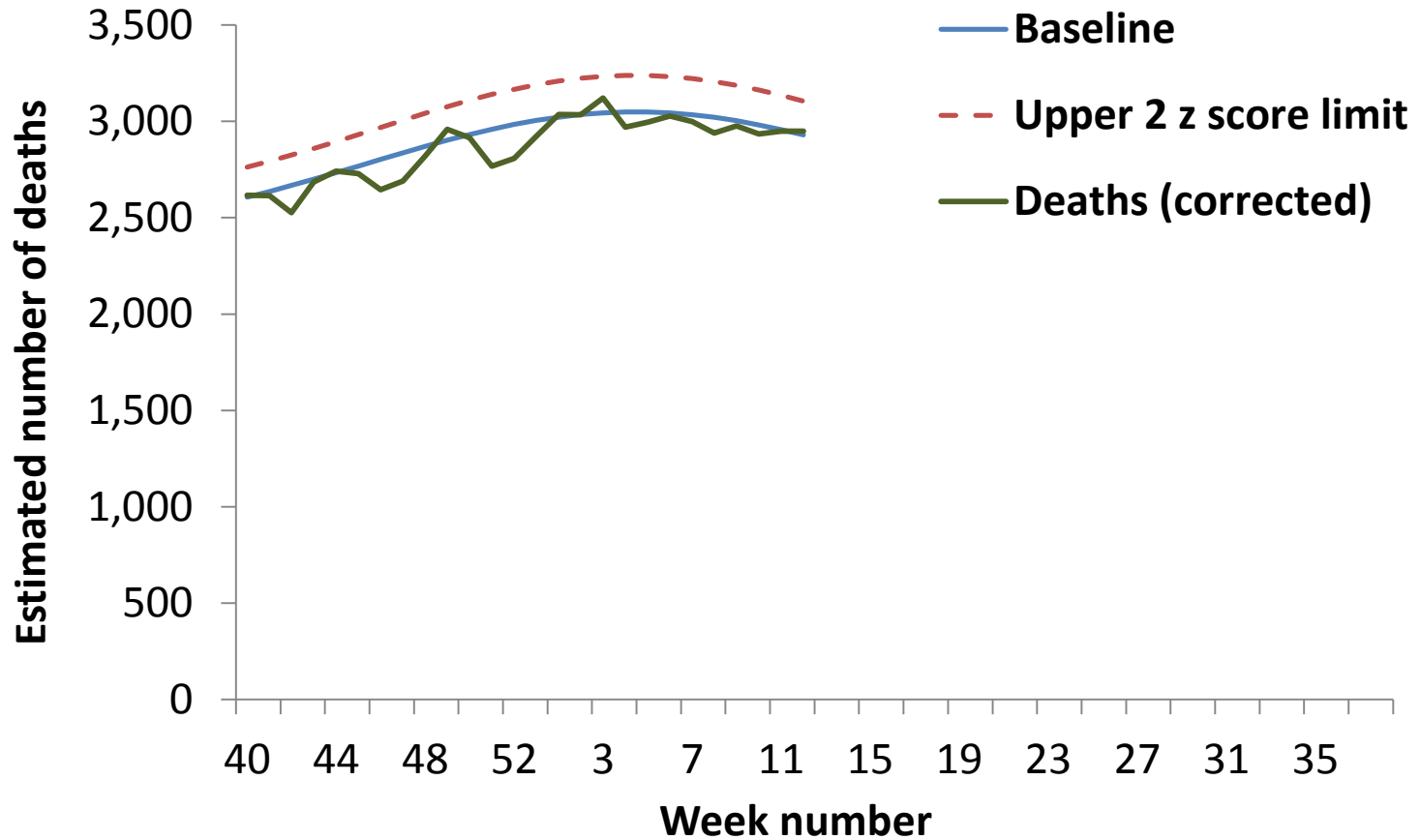
Excess mortality (all causes) by week of death through the EuroMOMO algorithm, PHE Midlands and East of England
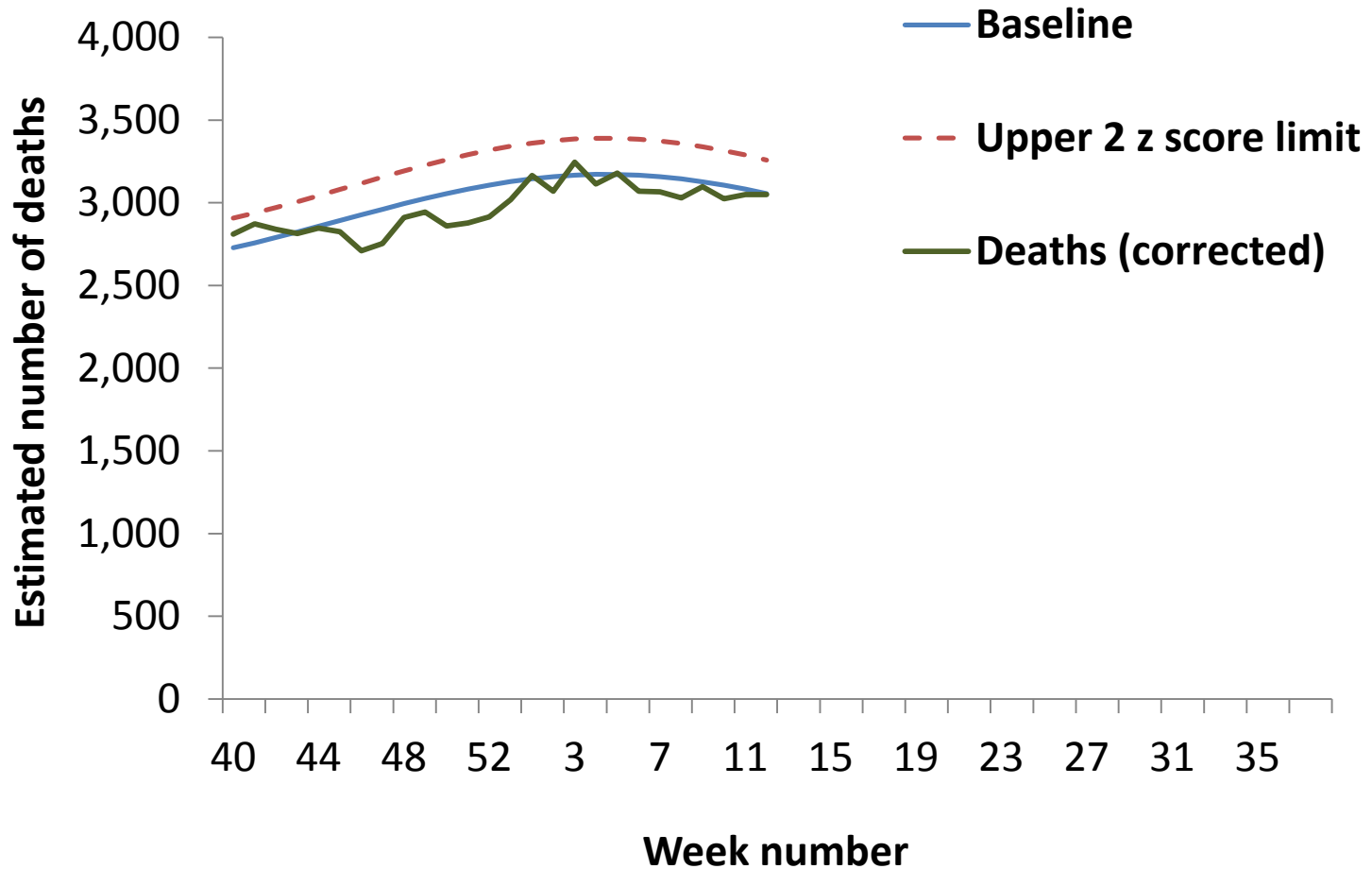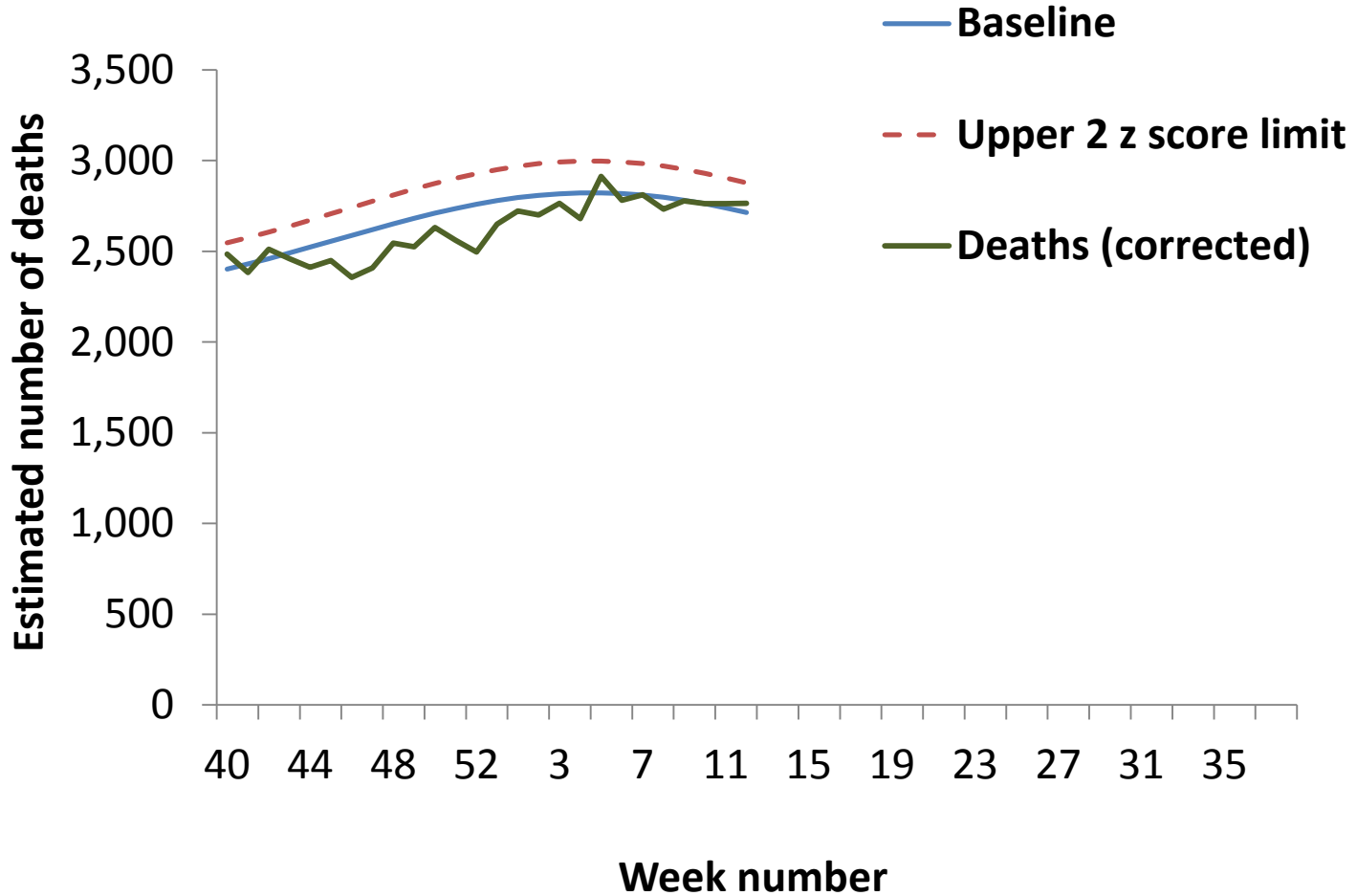
Excess mortality (all causes) by week of death through the EuroMOMO algorithm, PHE London

Public Health England

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

Estimated number of deaths

Week number

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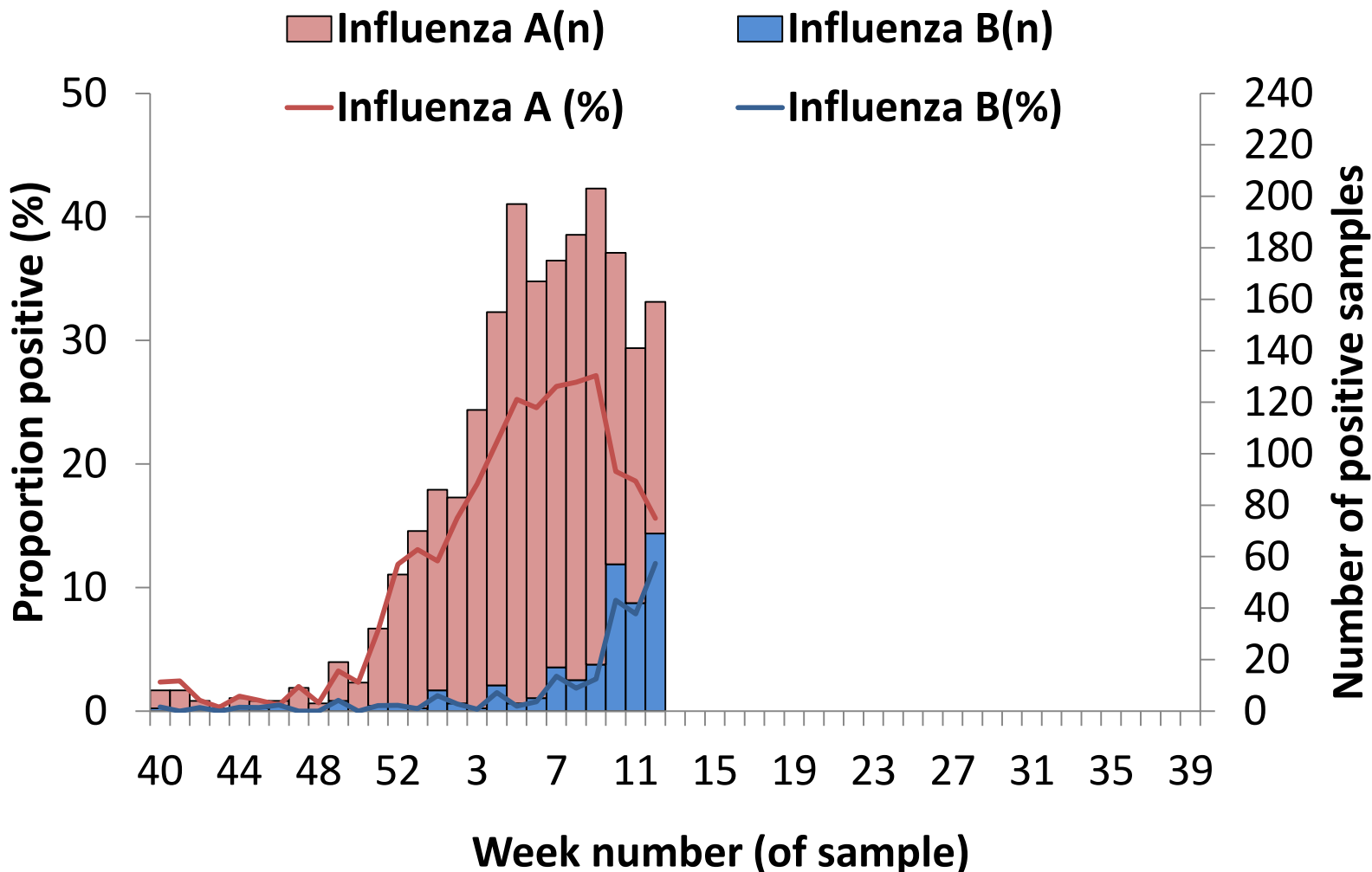
Microbiological surveillance

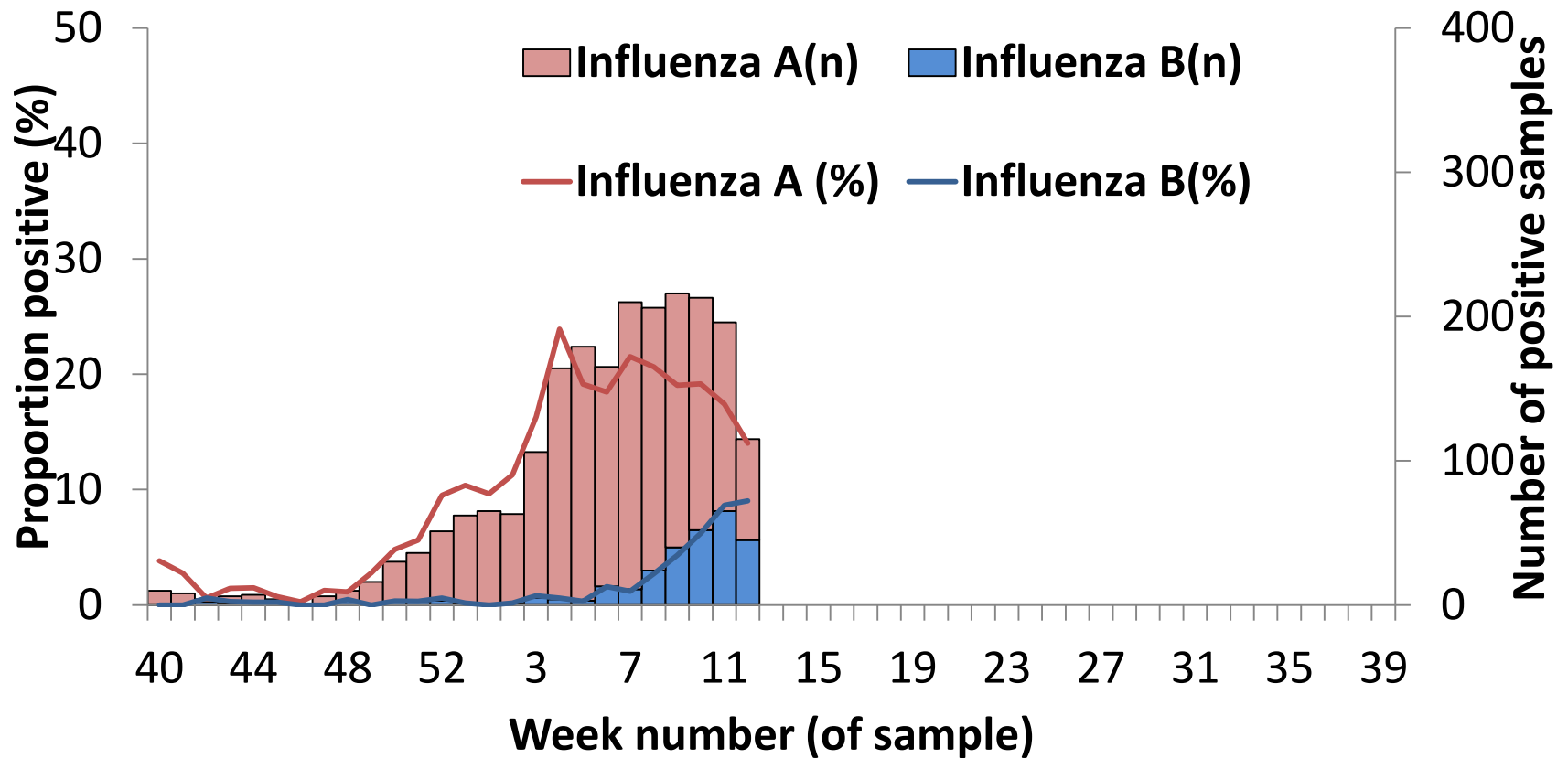DataMart: Number and proportion of samples positive for influenza, by type, England
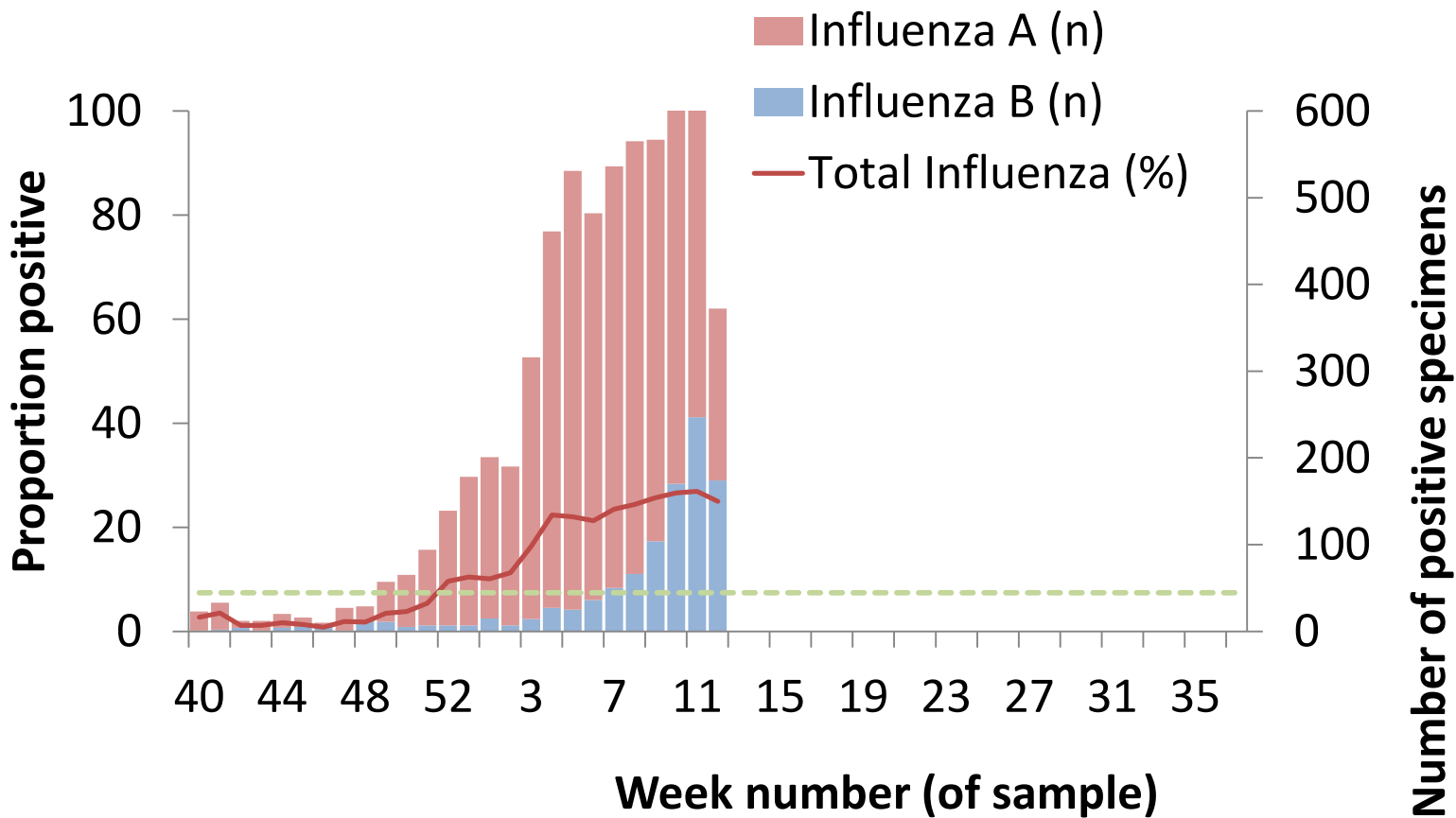
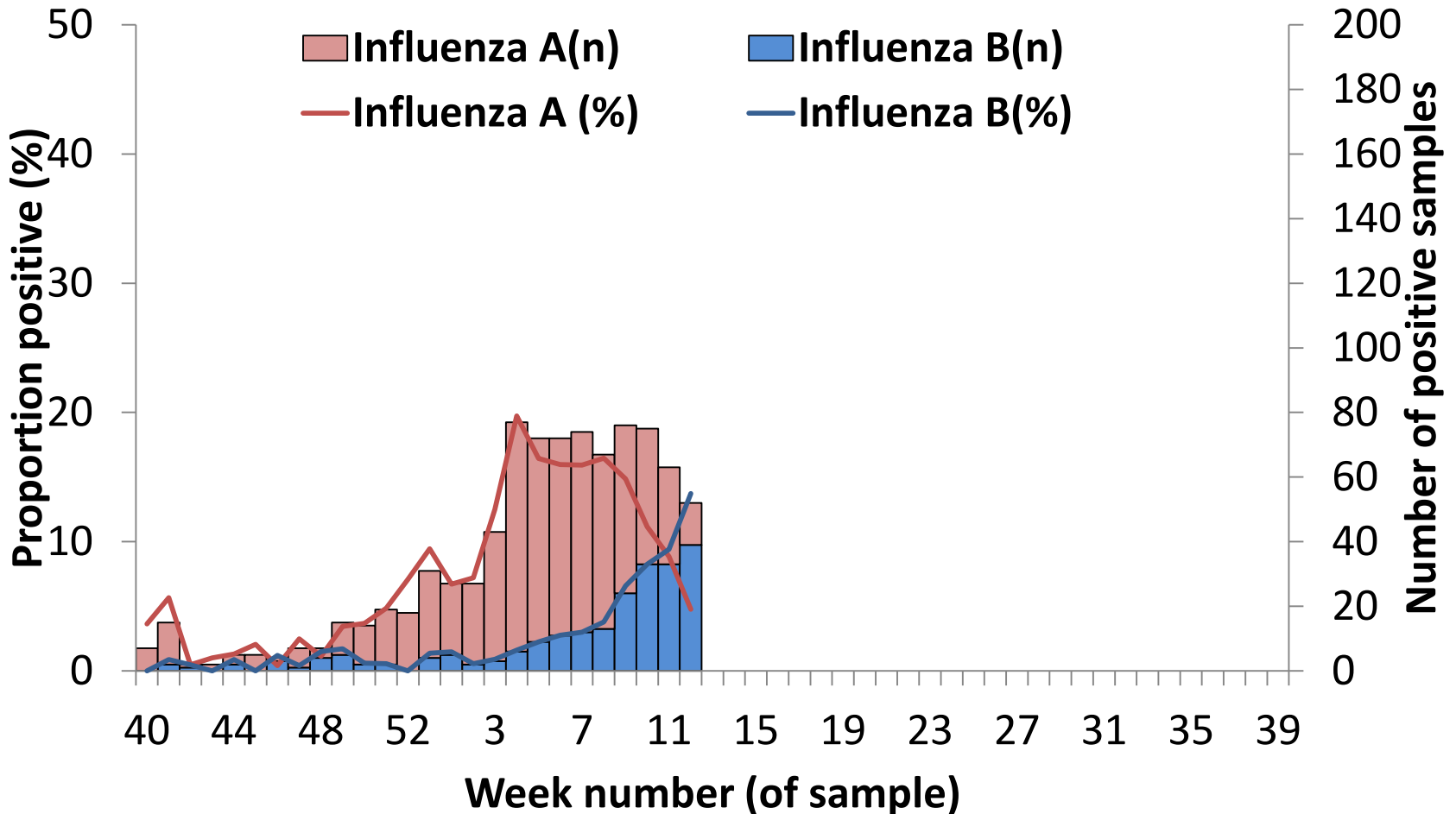DataMart: Number and proportion of samples positive for influenza, by type, PHE North of England

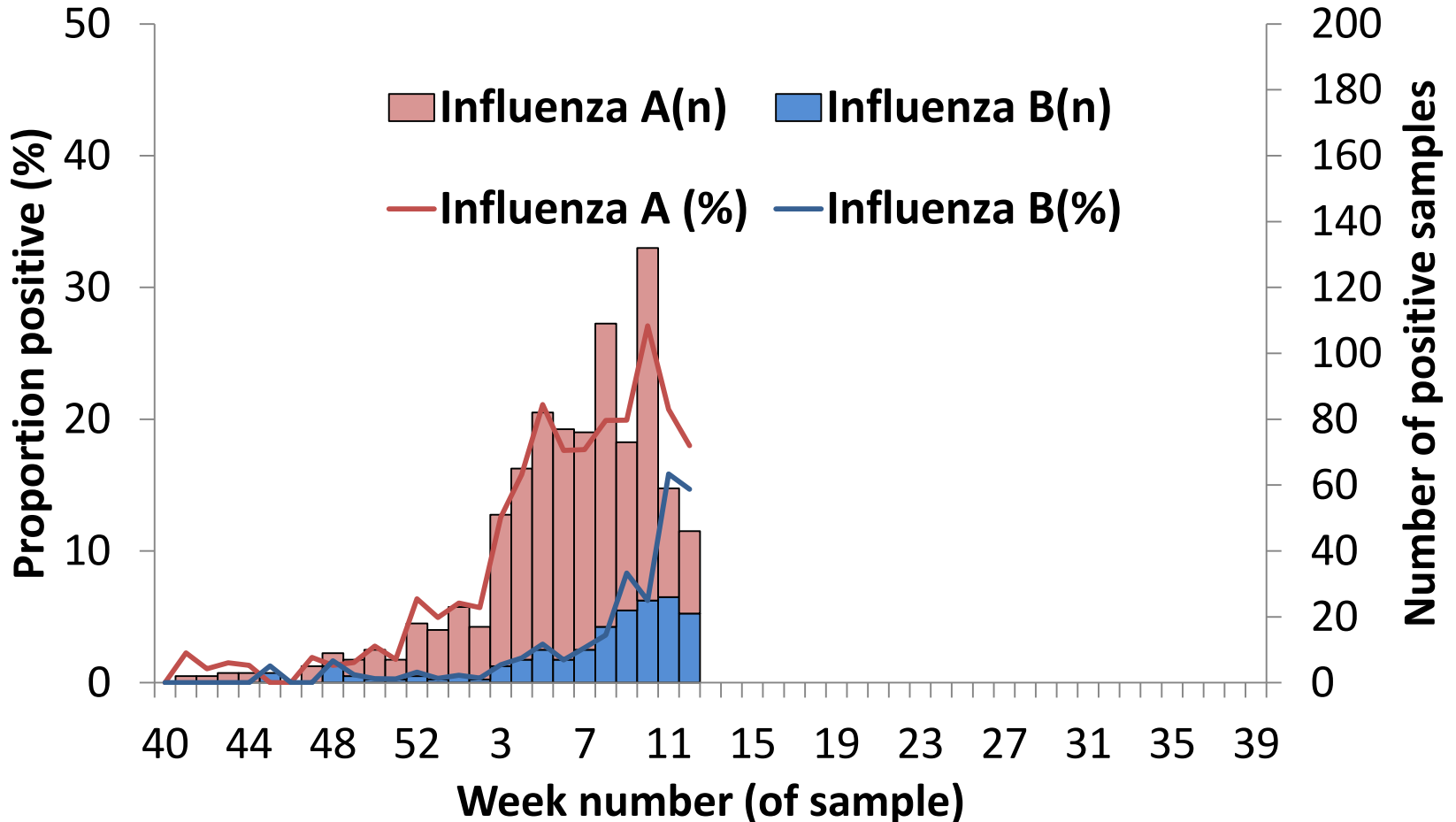# DataMart: Number and proportion of samples positive for influenza, PHE Midlands and East of England

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DataMart: Number and proportion of samples positive for influenza, by type, PHE London
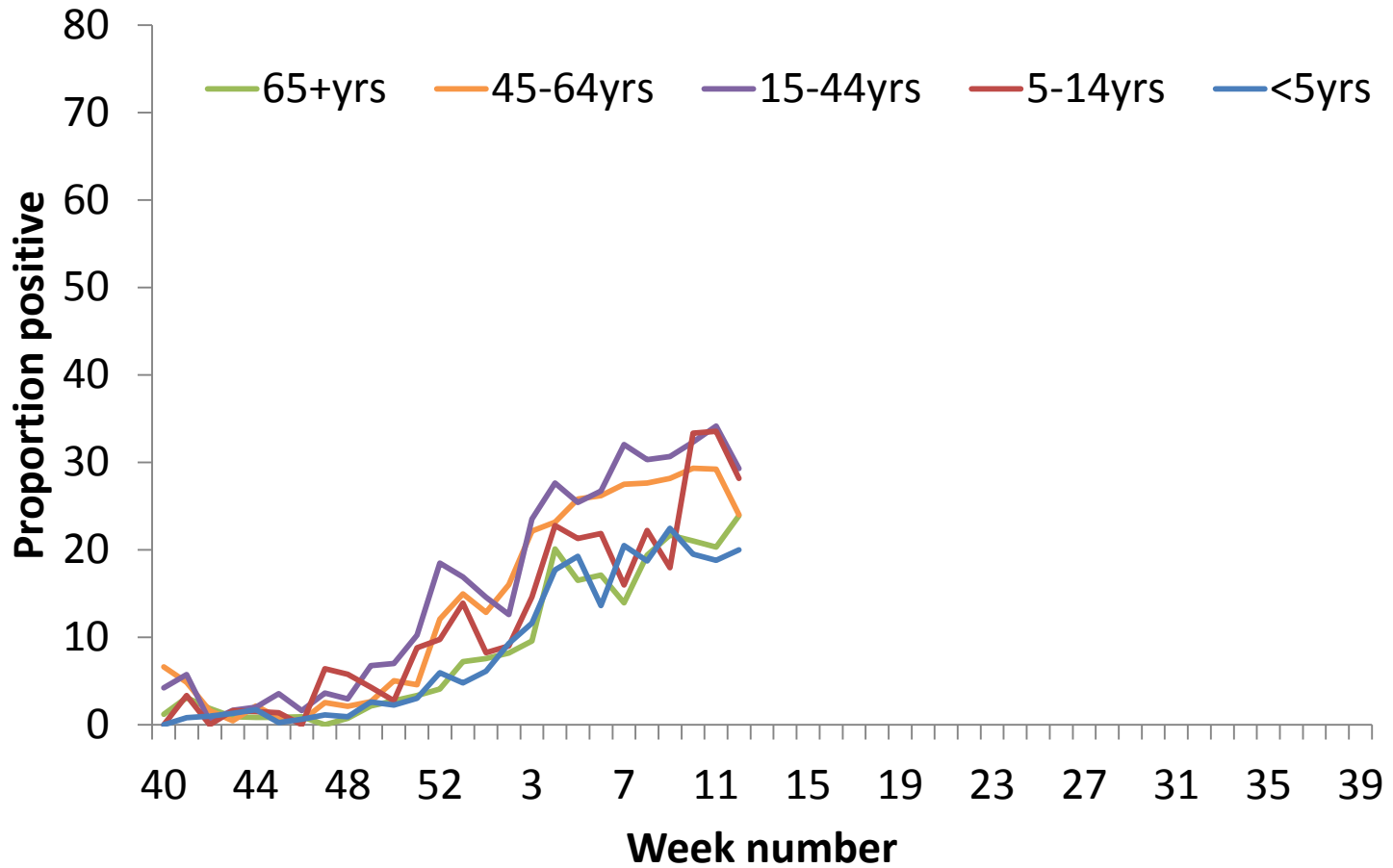
DataMart: Number and proportion of samples positive for influenza, by type, PHE South of England
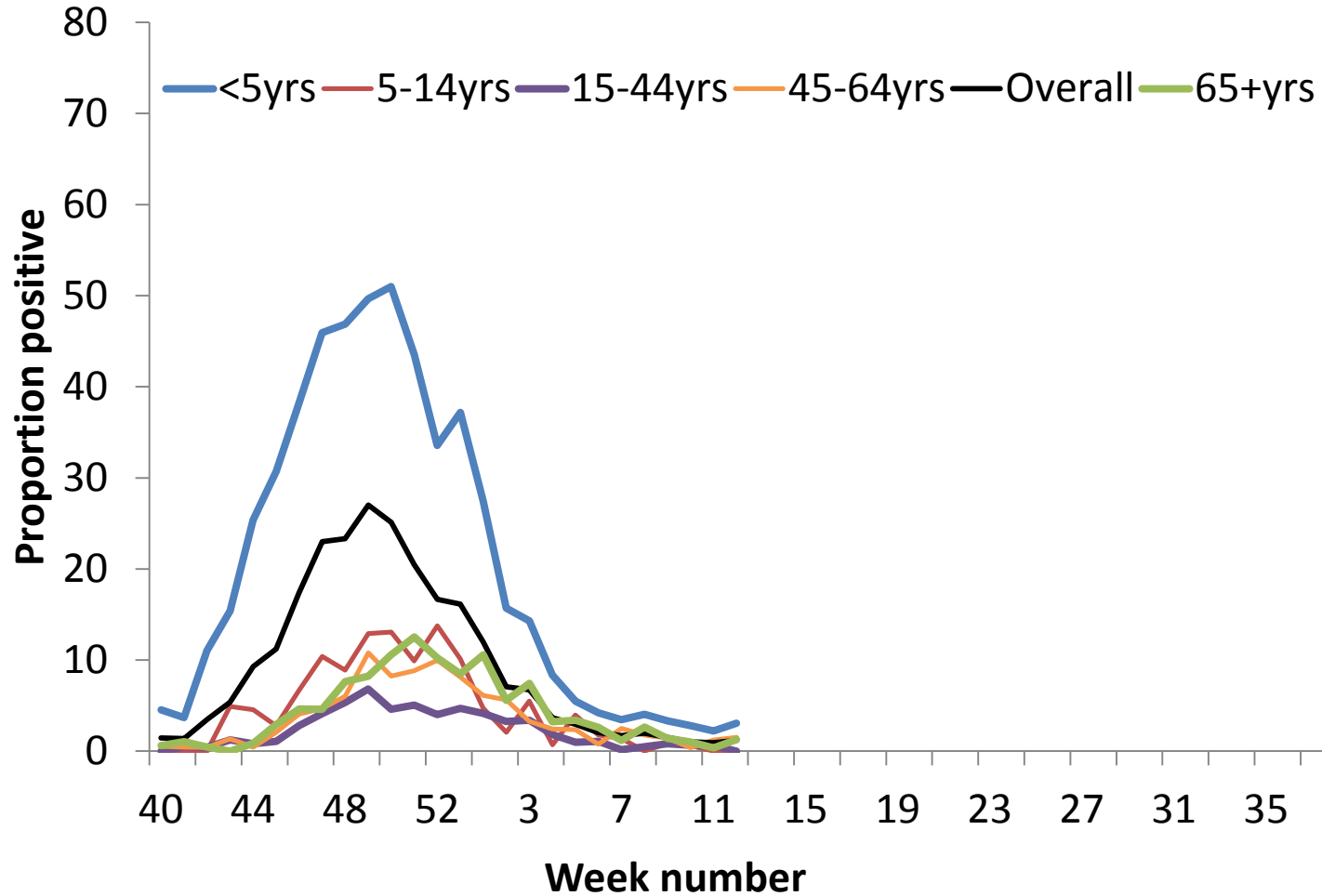
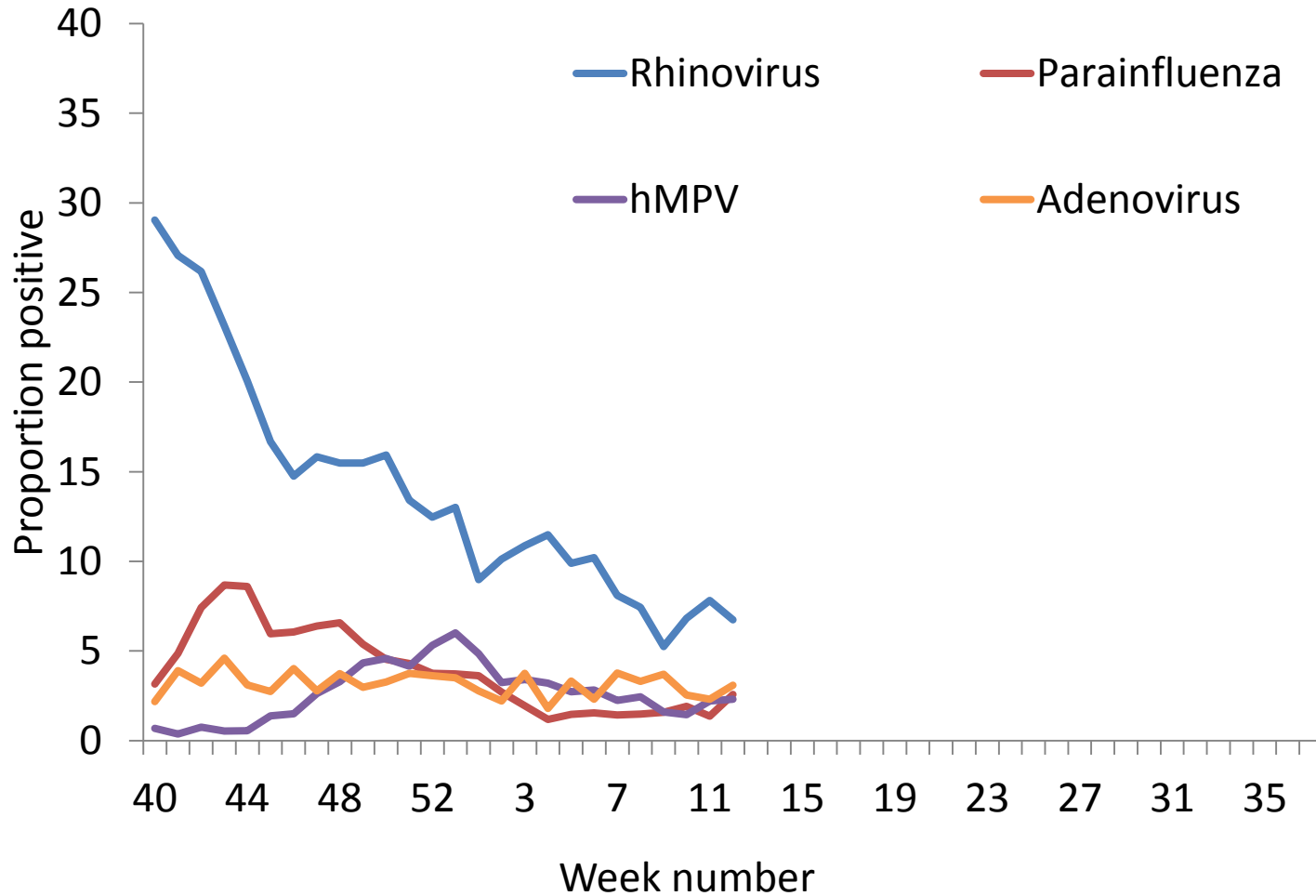DataMart: Proportion of samples positive for influenza, by age group

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

DataMart: Number and proportion of samples positive for other viruses

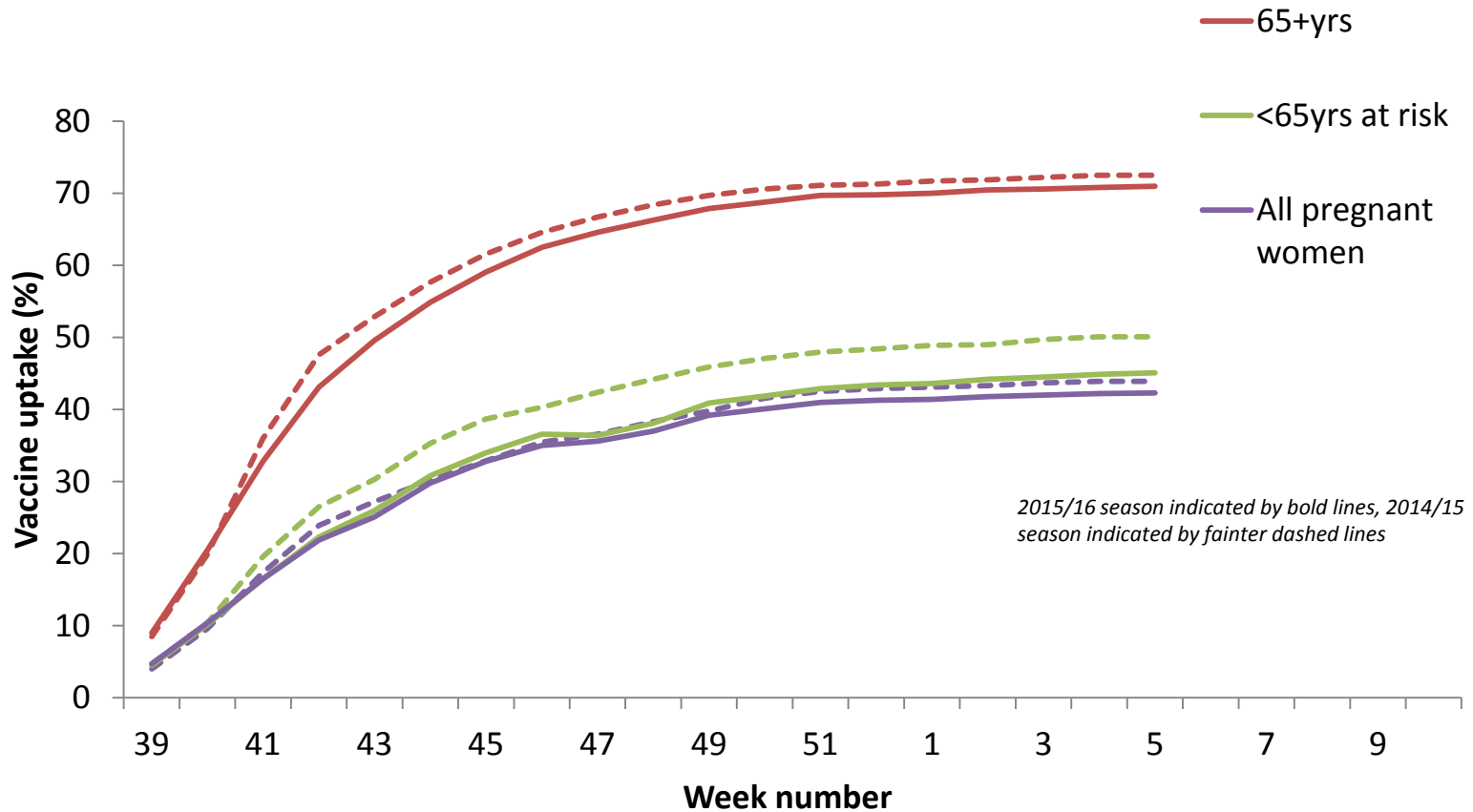# Influenza vaccination

Seasonal influenza vaccine uptake in targeted groups, 2015/16, England

2015/16 season indicated by bold lines, 2014/15 season indicated by fainter dashed lines

Legend: 65+yrs, <65yrs at risk, All pregnant women

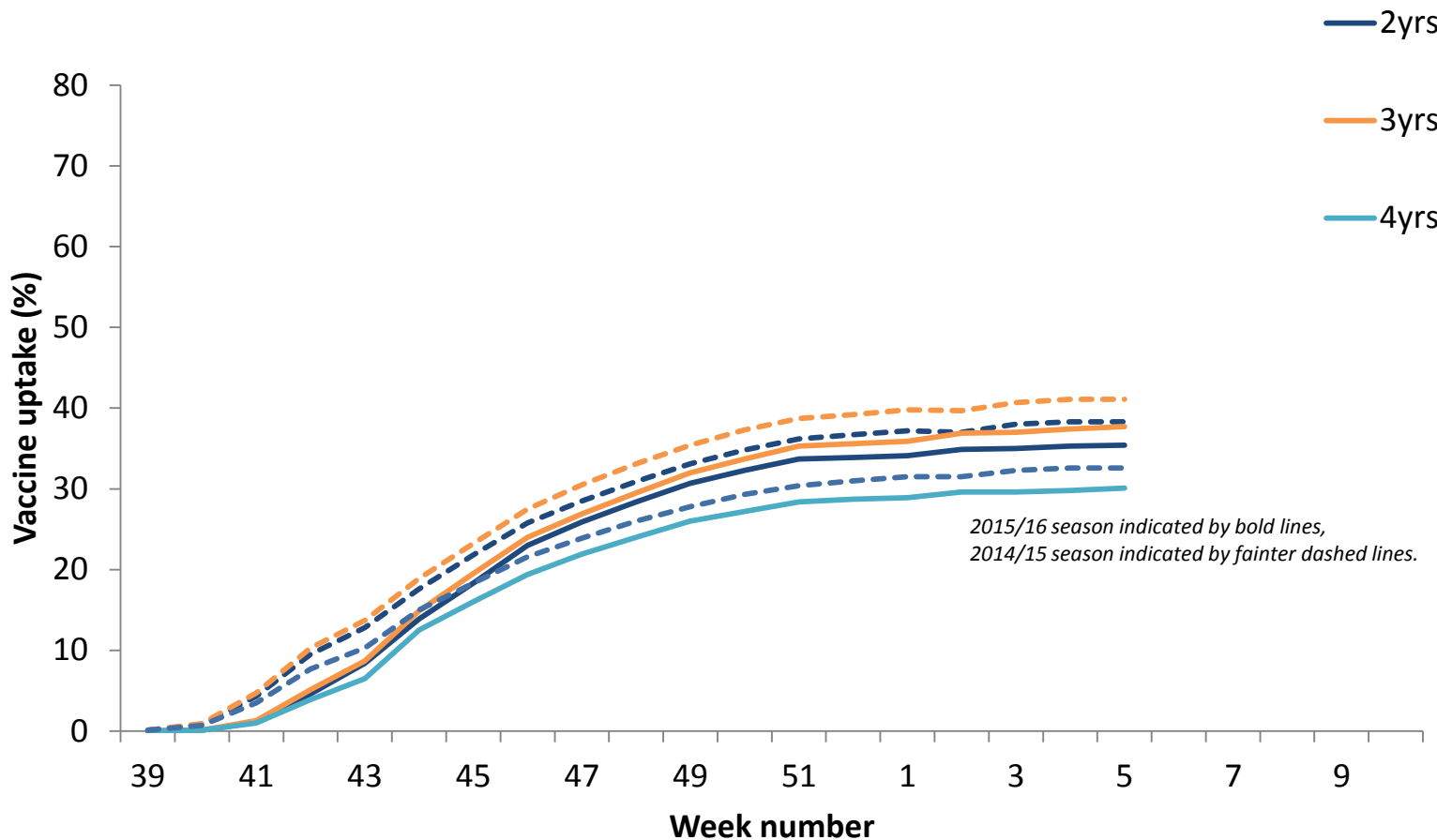Y-axis: Vaccine uptake (%)
X-axis: Week number

Seasonal influenza vaccine uptake in targeted groups, 2015/16, England

2015/16 season indicated by bold lines,
2014/15 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