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

Influenza Section

Immunisations and Countermeasures Division

Centre for Infectious Disease Surveillance and Control
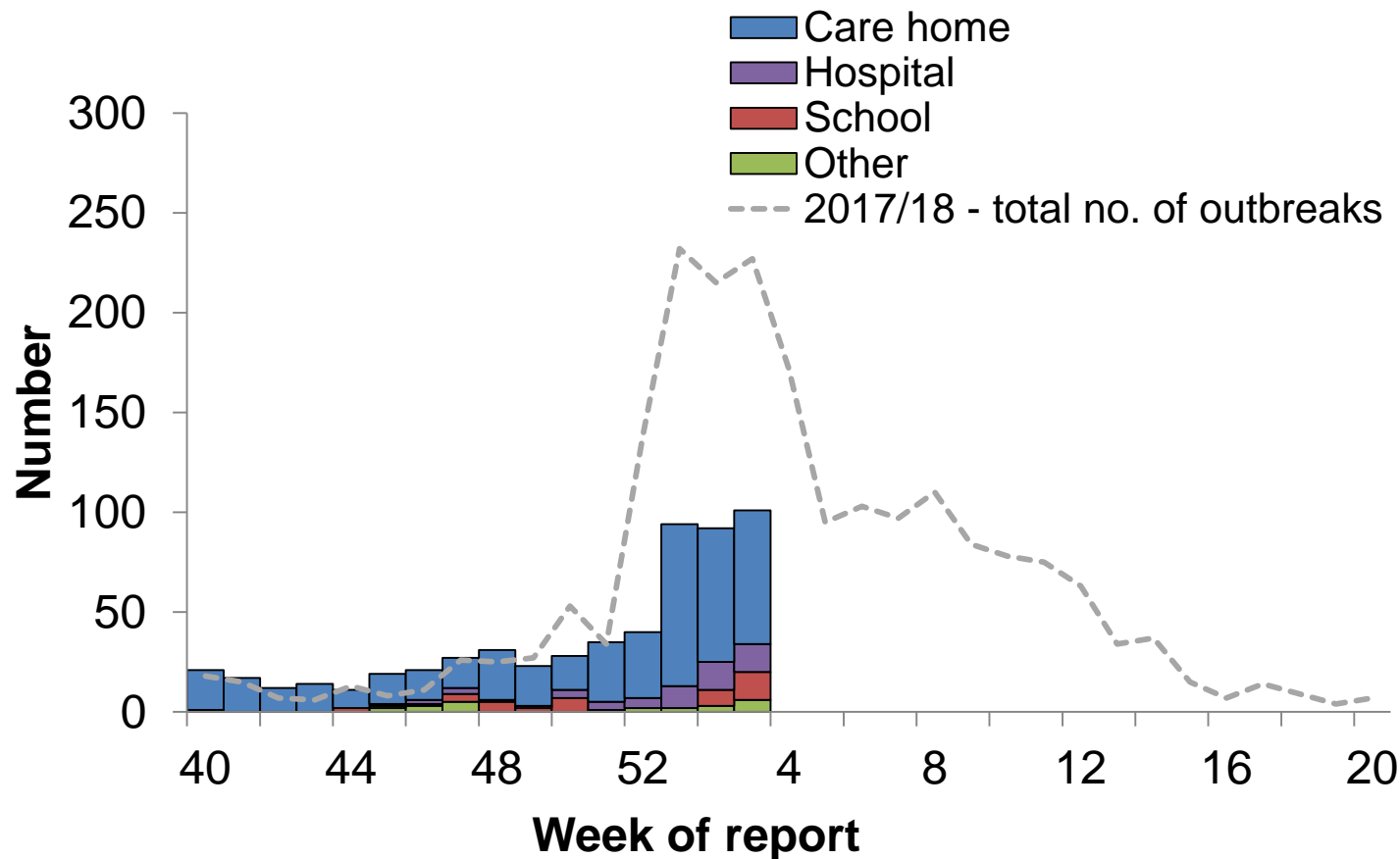
Public Health England

respscidsc@phe.gov.uk

Community influenza surveillance

Number of acute respiratory outbreaks by institution, UK

Number of acute respiratory outbreaks by PHE Centre

	Outbreaks reported in week 03	Cumulative number of outbreaks since week 40
PHE North East	4	14
PHE North West	11	99
PHE Yorkshire and Humber	12	45
PHE East Midlands	13	63
PHE West Midlands	10	63
PHE East of England	12	106
PHE London	2	22
PHE South East	16	71
PHE South West	10	75

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Influenza-like illness GP consultation rates

RCGP ILI consultation rate, England
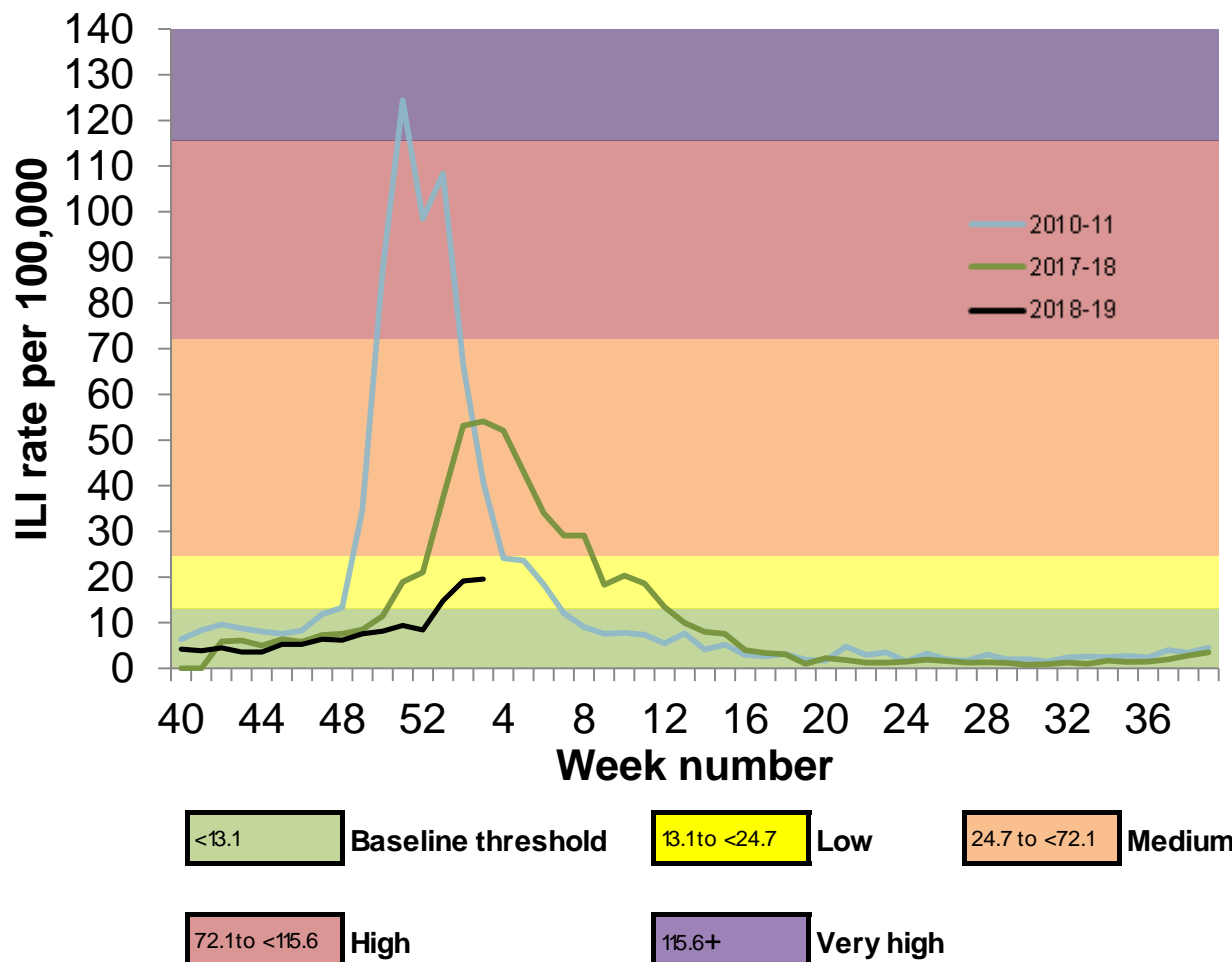
GP ILI consultations in the UK for all ages with MEM thresholds applied

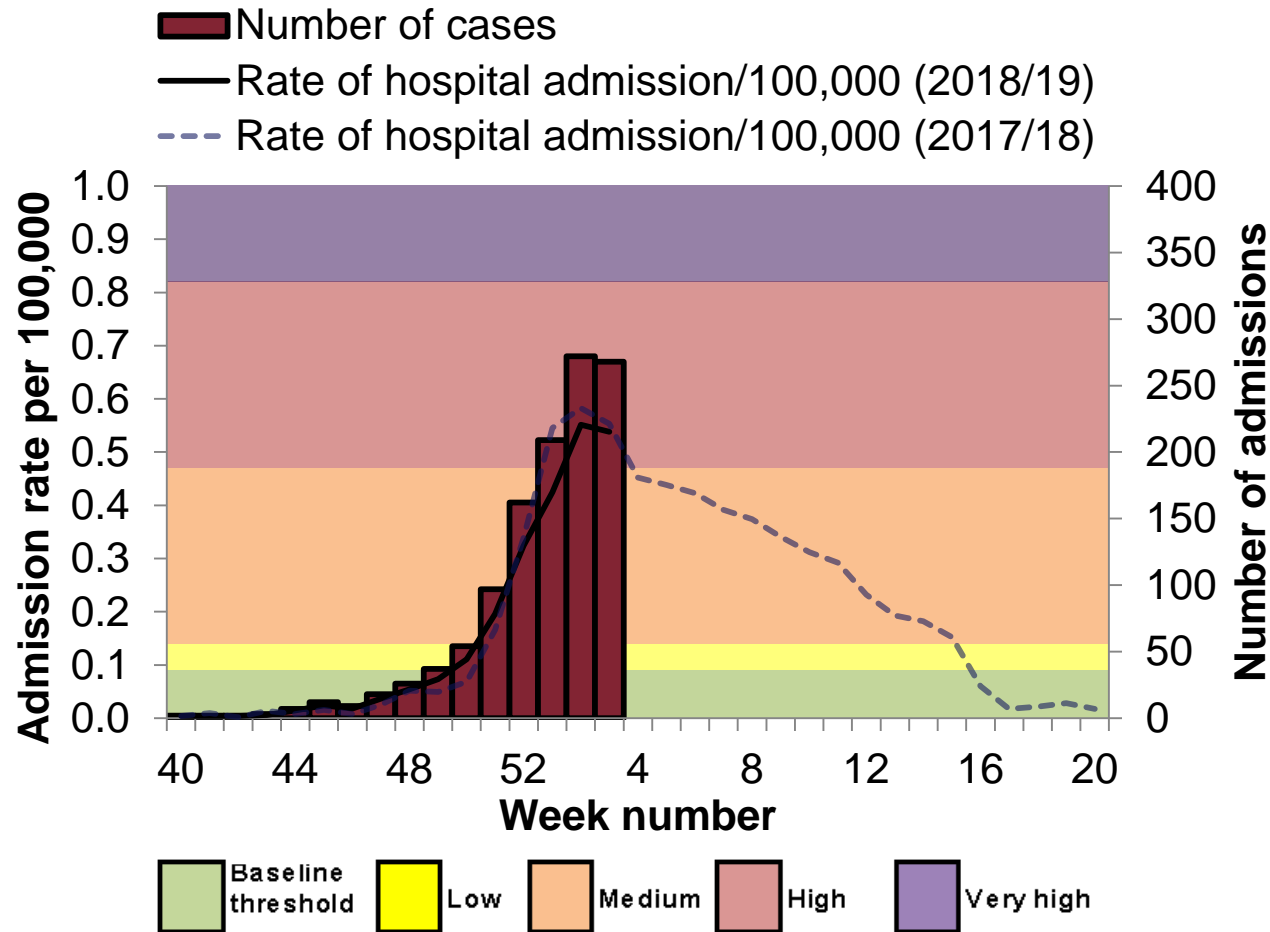| GP ILI consultation rates (all ages)	Week number																
	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4
England (RCGP)	4.2	3.9	4.5	3.6	3.6	5.3	5.2	6.4	6.2	7.6	8.1	9.4	8.4	14.8	19.2	19.6	
Wales	7.0	3.6	4.2	6.6	6.3	6.4	4.5	4.7	6.5	3.2	4.5	9.0	9.5	14.7	20.4	22.9	
Scotland	7.3	5.1	3.1	3.8	2.9	7.3	4.0	4.8	5.5	4.0	6.6	10.4	7.0	16.6	25.6	19.5	
Northern Ireland	3.8	3.5	3.8	3.6	3.8	5.0	6.3	4.5	5.6	6.0	8.4	8.9	9.0	13.5	18.9	14.4	

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 .
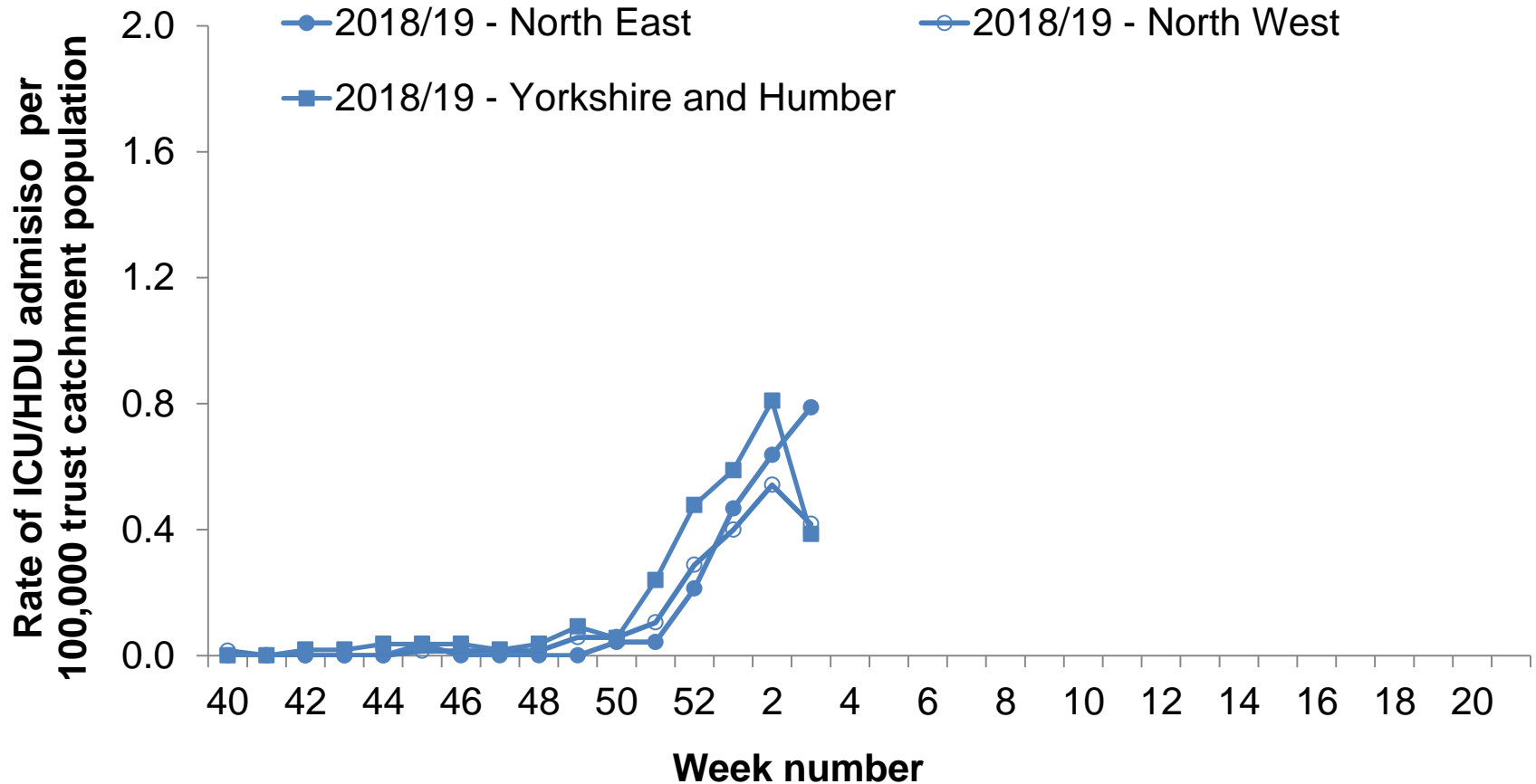
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Influenza-confirmed hospitalisations

Return to main menu

Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population , England, since week 40 2018

Public Health England

Legend:
- Number of cases
- Rate of hospital admission/100,000 (2018/19)
- Rate of hospital admission/100,000 (2017/18)

Baseline threshold | Low | Medium | High | Very high

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

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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 2018
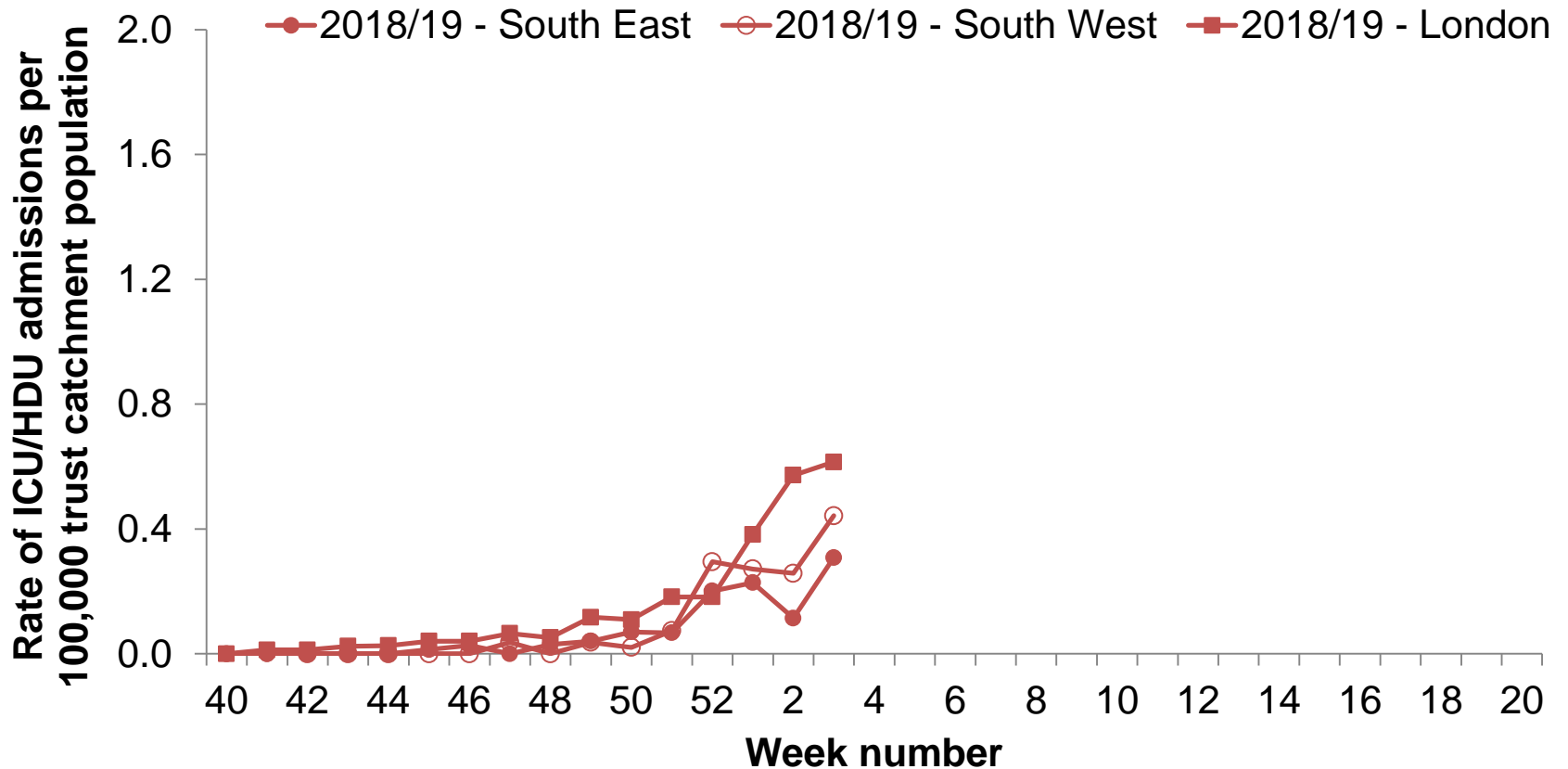
Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population by PHE Centre, East Midlands, West Midlands and East of England since week 40 2018
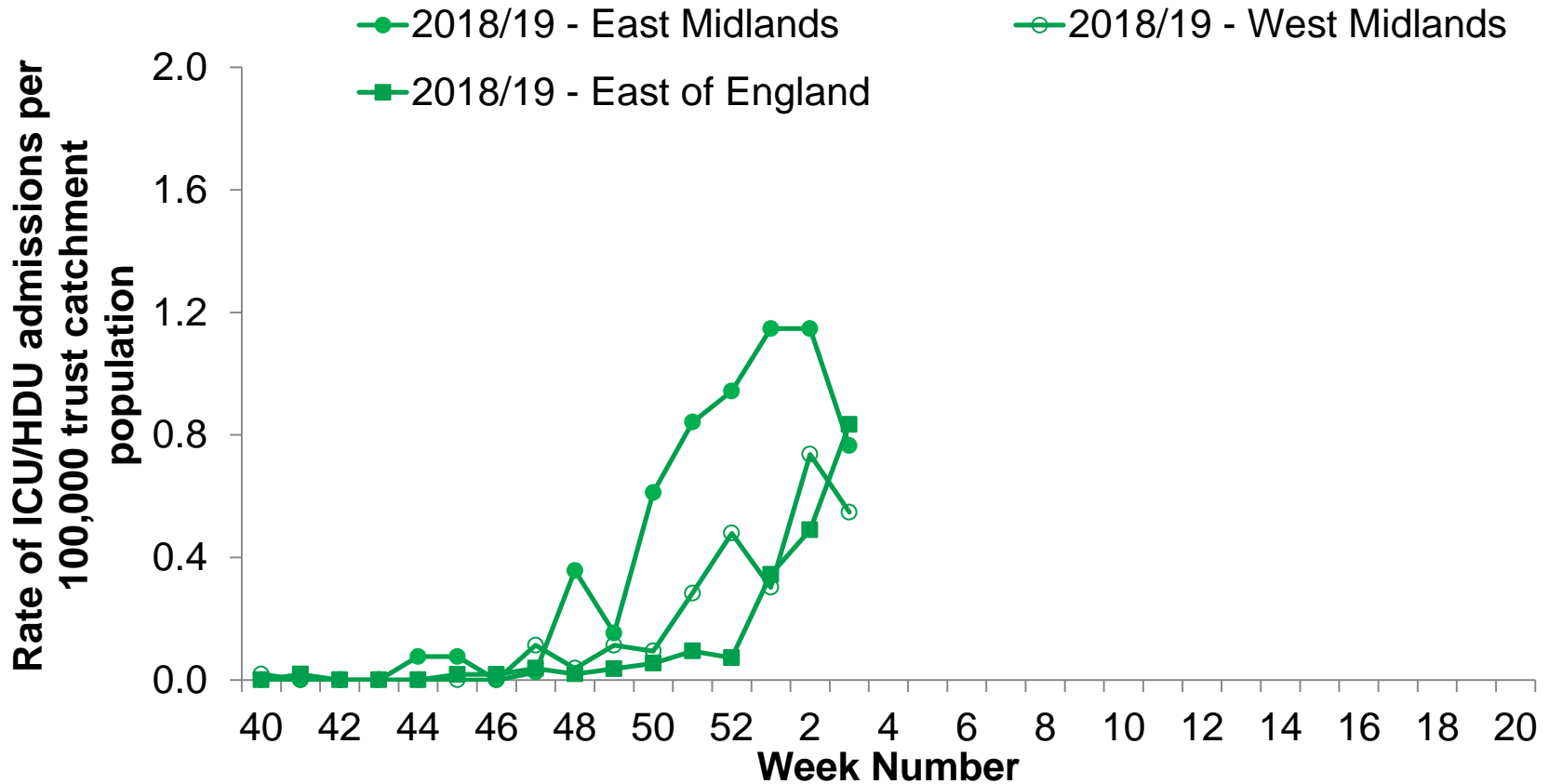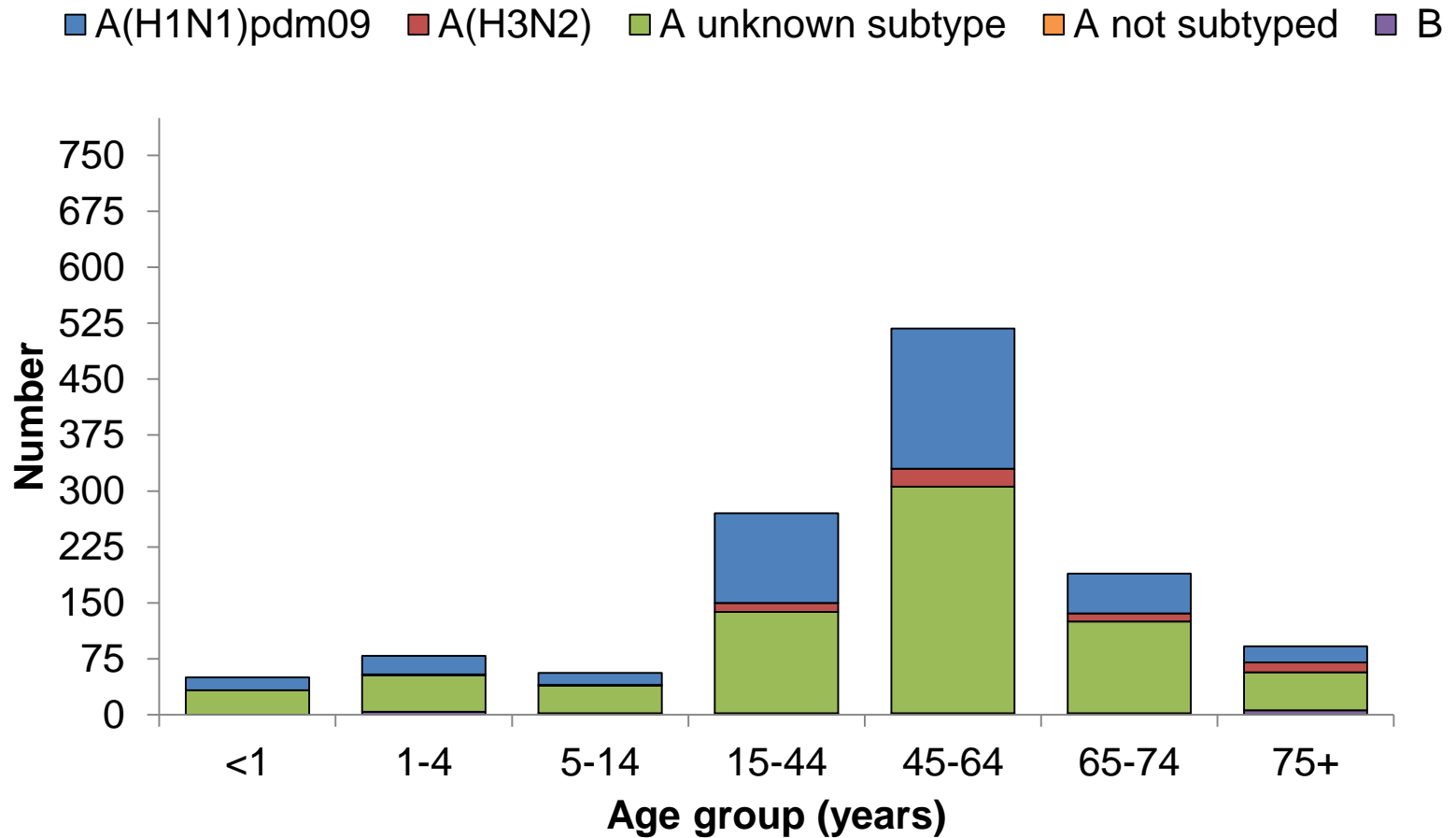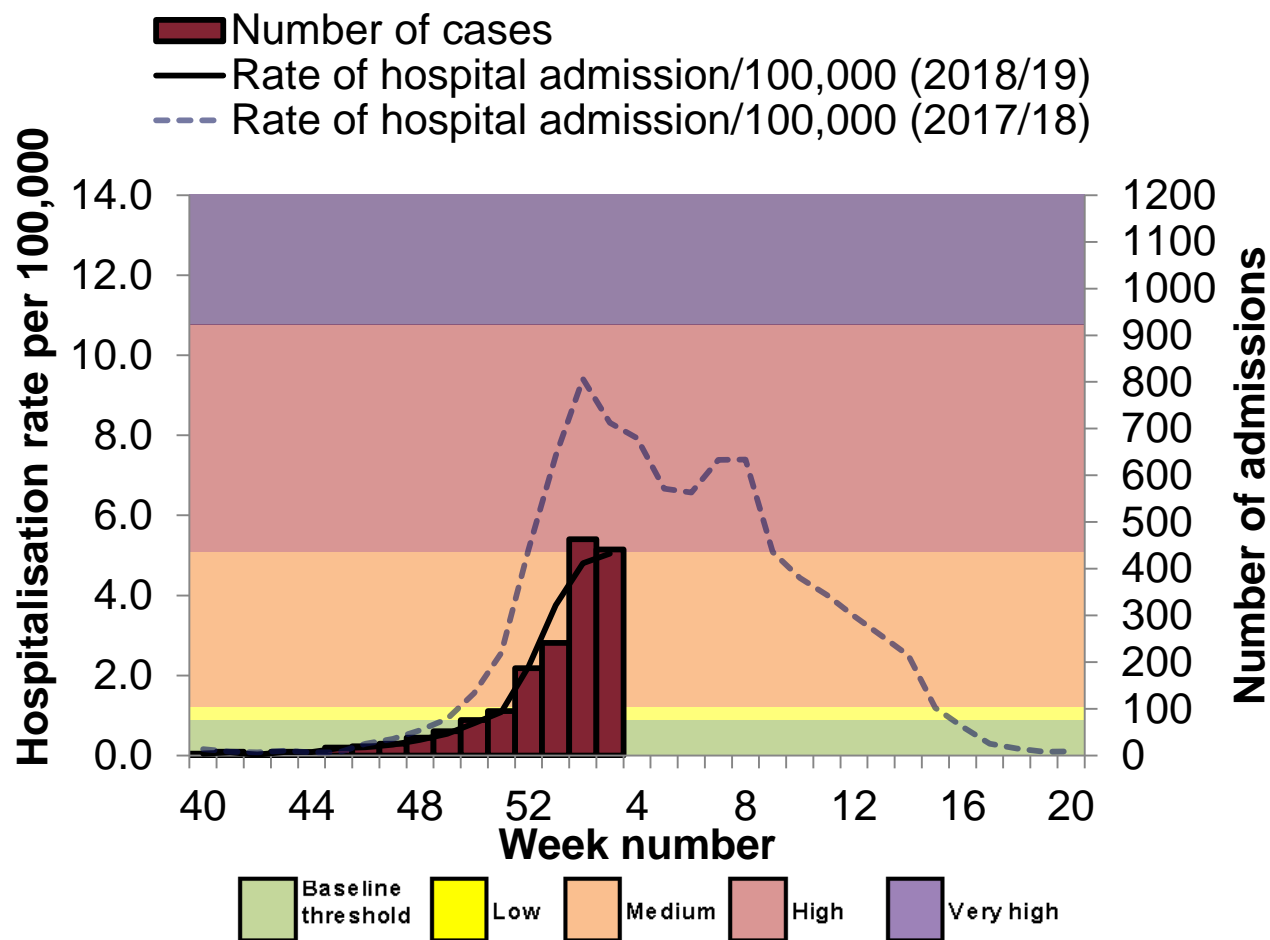
Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population by PHE Centre, South East, South West and London, since week 40 2018

24 January 2019

Influenza confirmed ICU admissions (USISS mandatory) by age and influenza subtype, since week 40 2018

Weekly hospitalised influenza case rate per 100,000 trust catchment population , England, since week 40 2018

Legend:
- Number of cases
- Rate of hospital admission/100,000 (2018/19)
- Rate of hospital admission/100,000 (2017/18)

Y-axis (left): Hospitalisation rate per 100,000 — 0.0, 2.0, 4.0, 6.0, 8.0, 10.0, 12.0, 14.0

Y-axis (right): Number of admissions — 0, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200

X-axis: Week number — 40, 44, 48, 52, 4, 8, 12, 16, 20

Threshold categories: Baseline threshold | Low | Medium | High | Very high

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 2018

Rate of hospitalisation/100,000

Week

— 2018/19 - North
— 2018/19 - London
— 2018/19 - South West
— 2018/19 - Midlands + East
— 2018/19 - South East
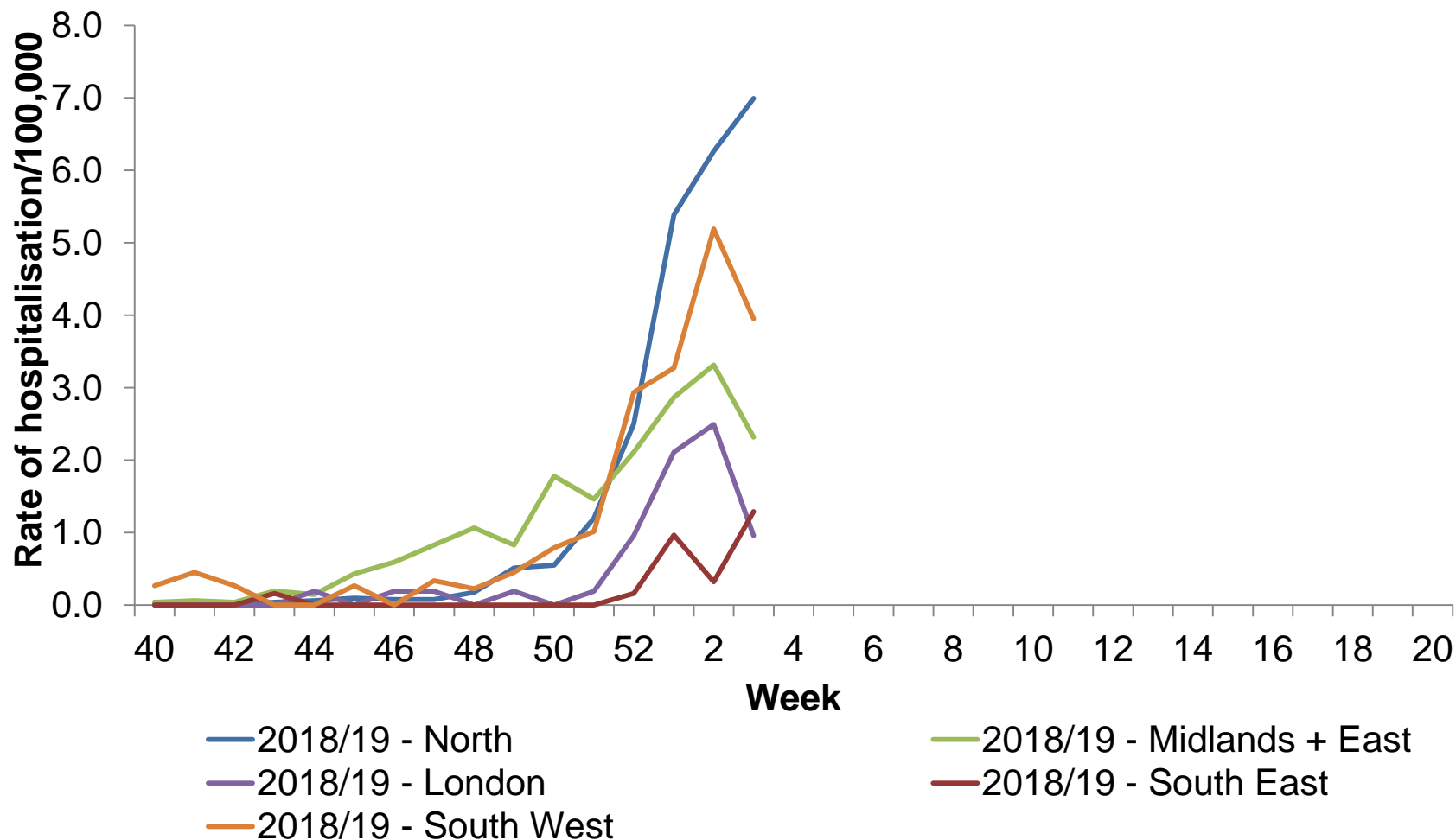
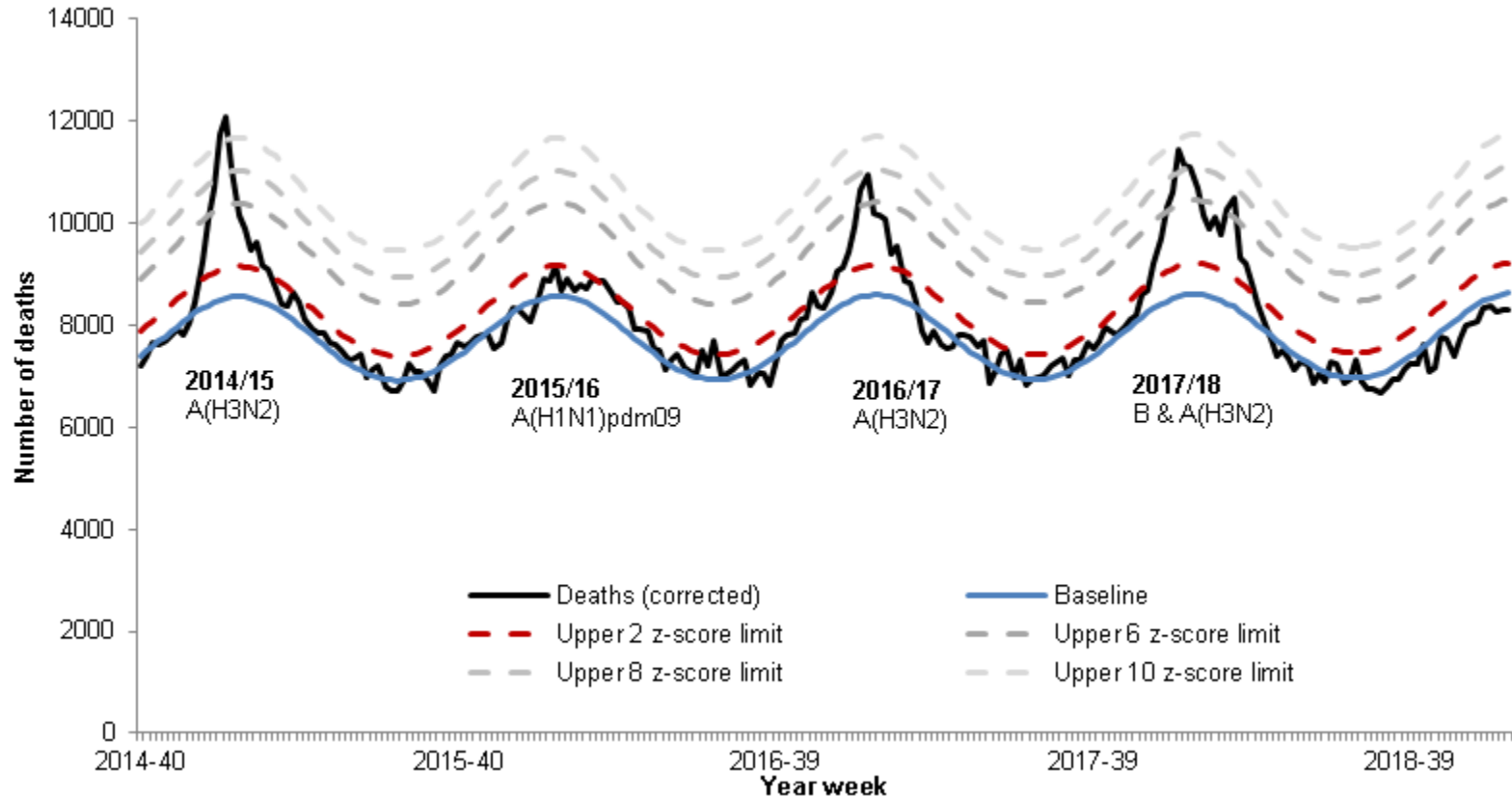# Influenza confirmed hospital admissions (USISS sentinel) by age and influenza subtype, since week 40 2018

■ A(H1N1)pdm09   ■ A(H3N2)   ■ A unknown subtype   ■ B
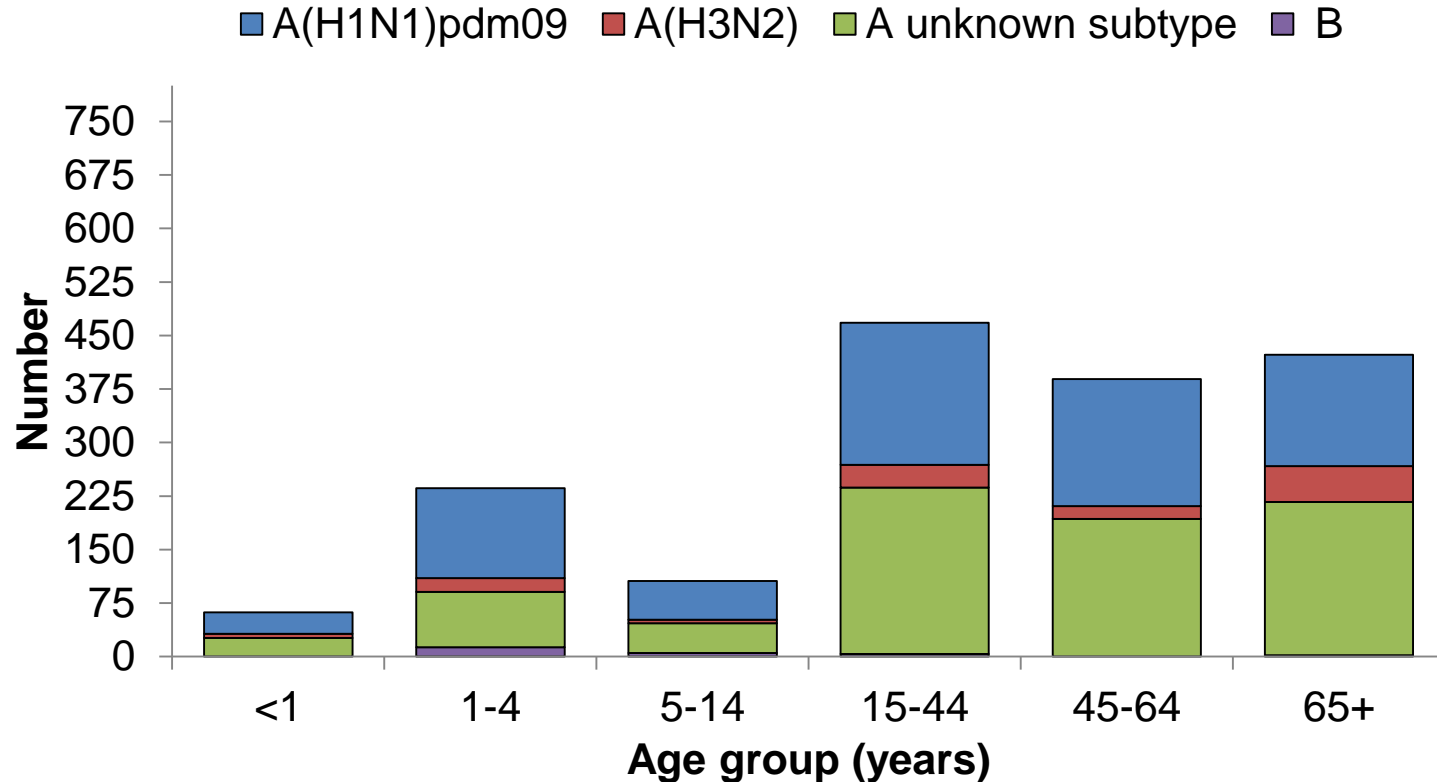
All-cause mortality

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
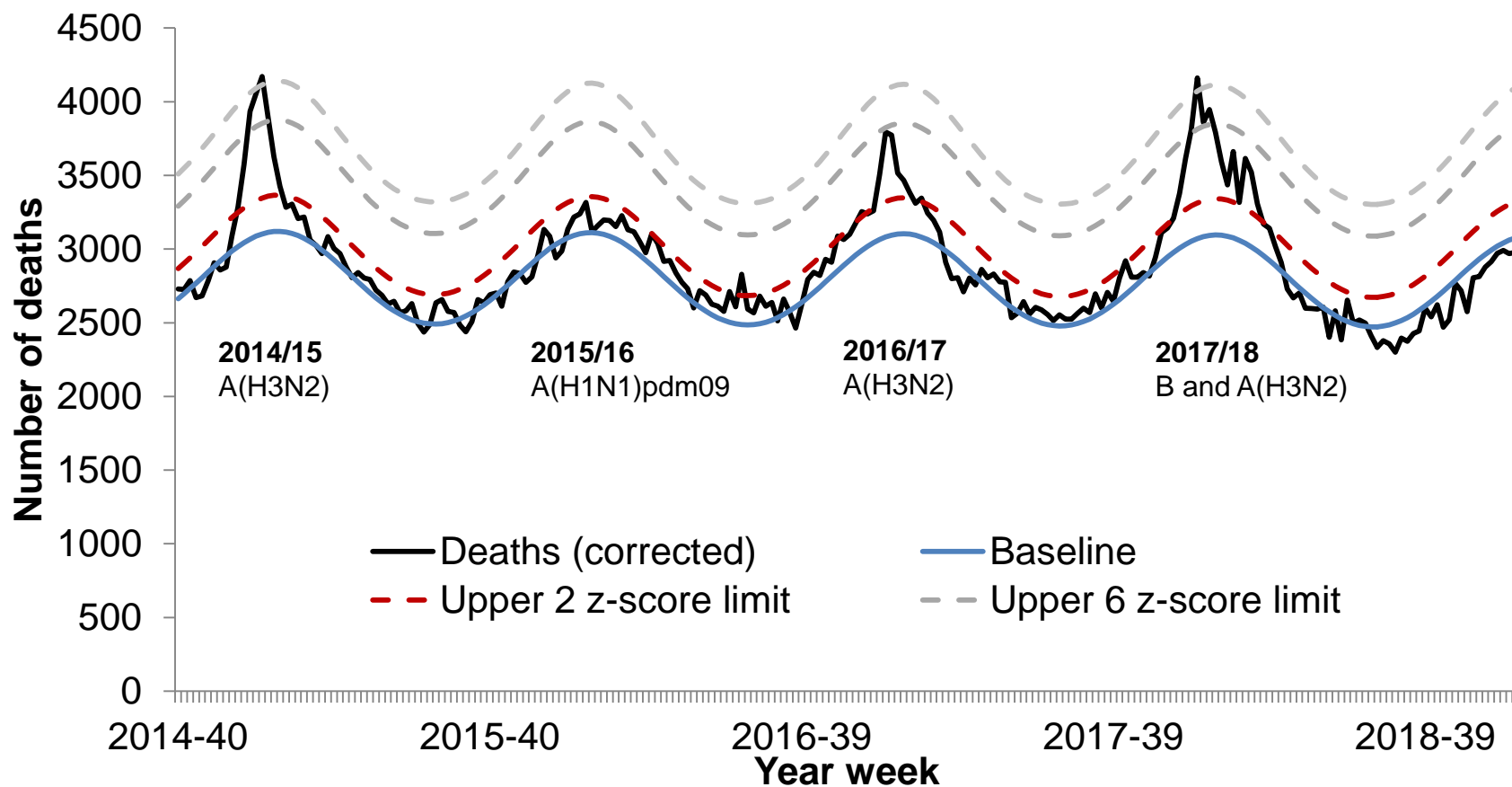
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE Midlands and East of England
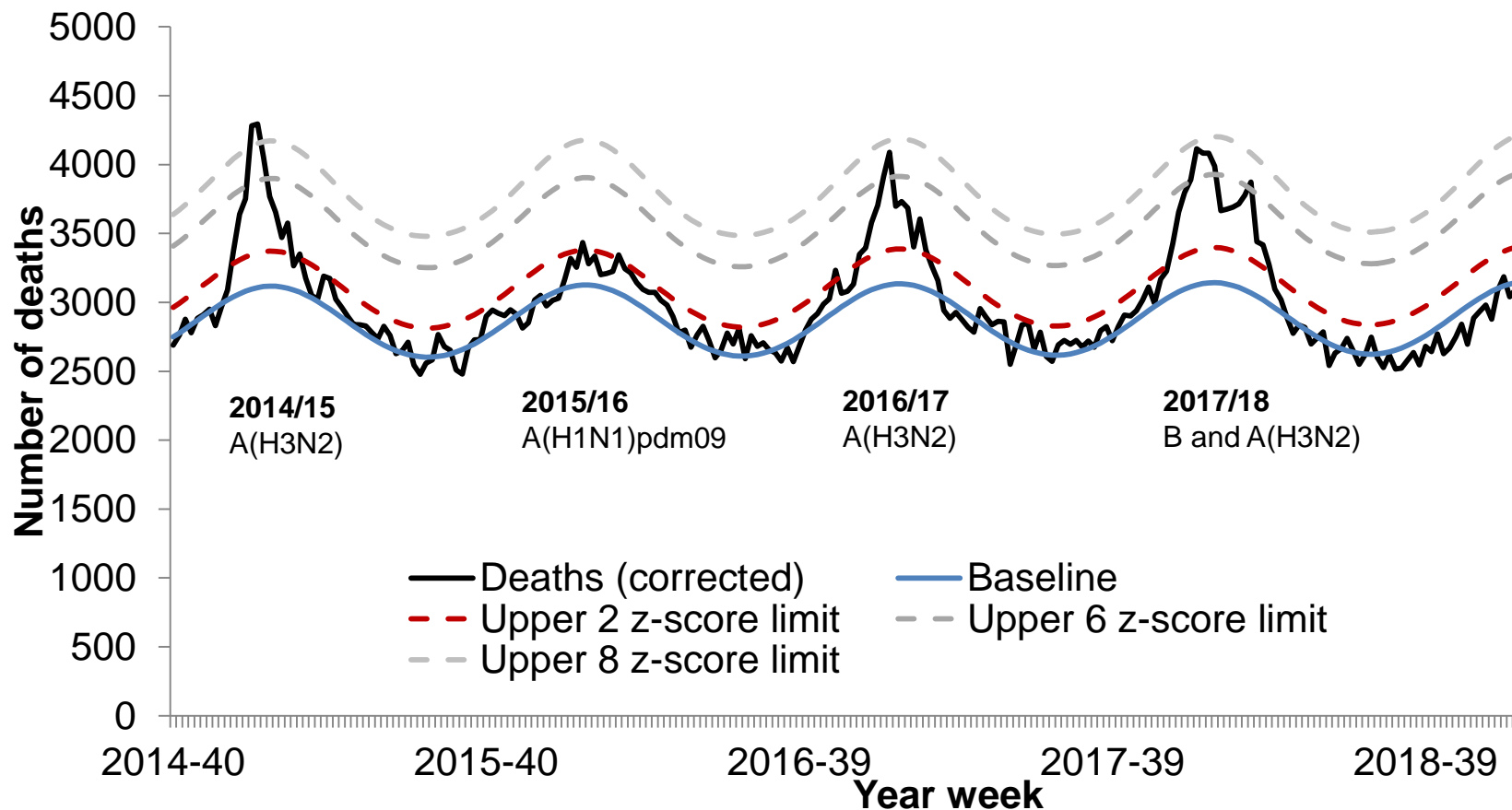
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE London
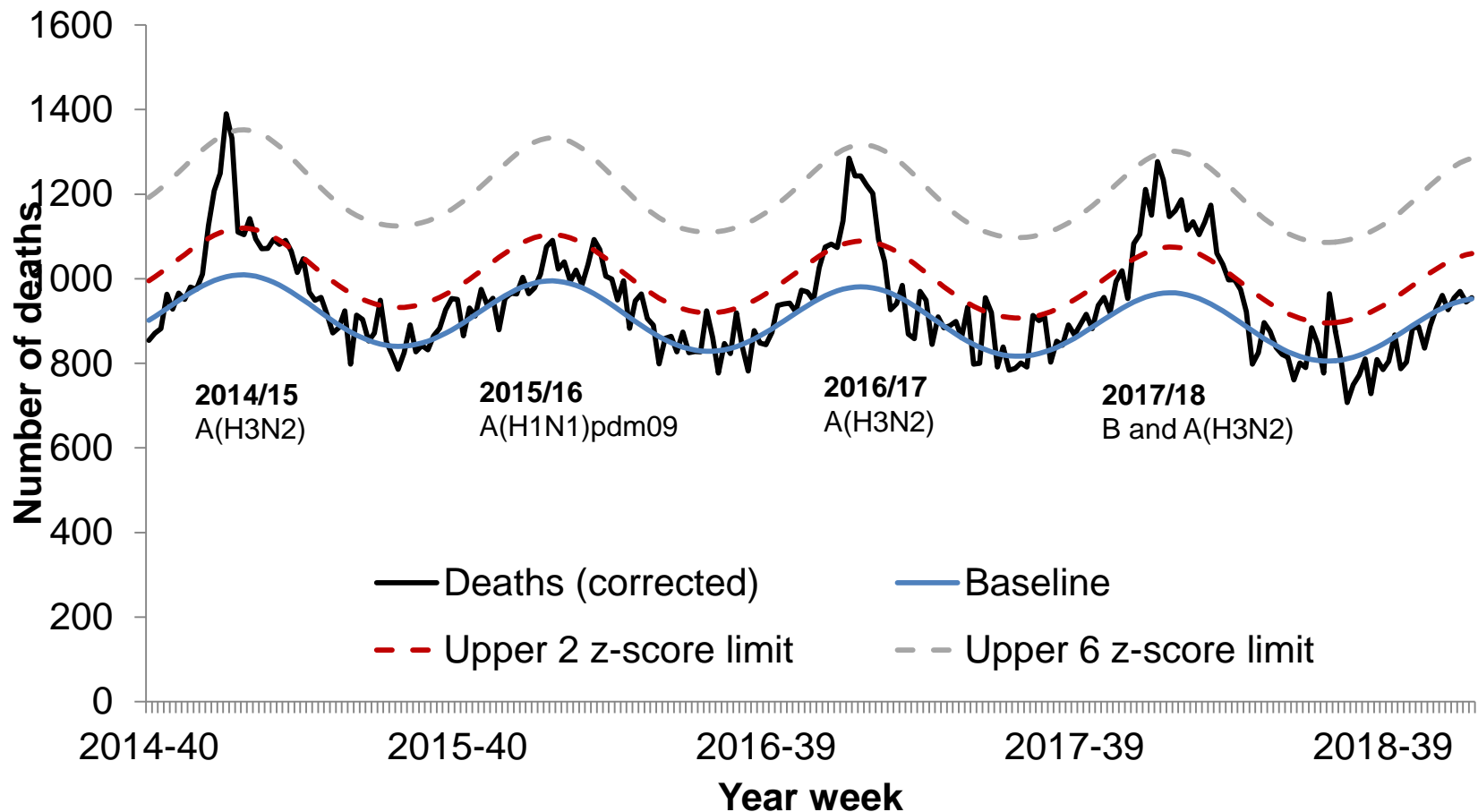
2014/15
A(H3N2)

2015/16
A(H1N1)pdm09

2016/17
A(H3N2)

2017/18
B and A(H3N2)

Deaths (corrected) — Baseline
Upper 2 z-score limit — Upper 6 z-score limit

Number of deaths

Year week

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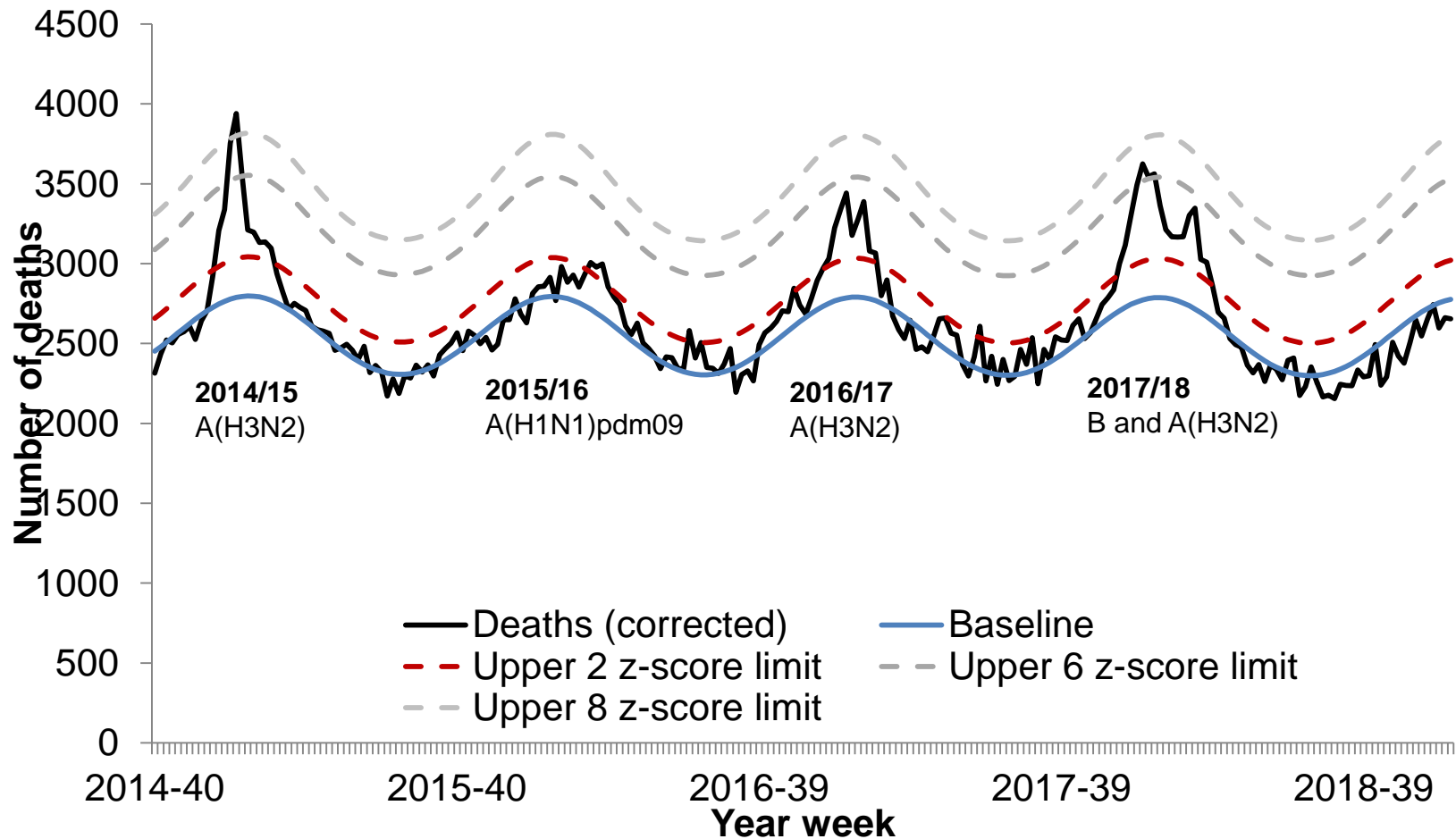
Microbiological surveillance

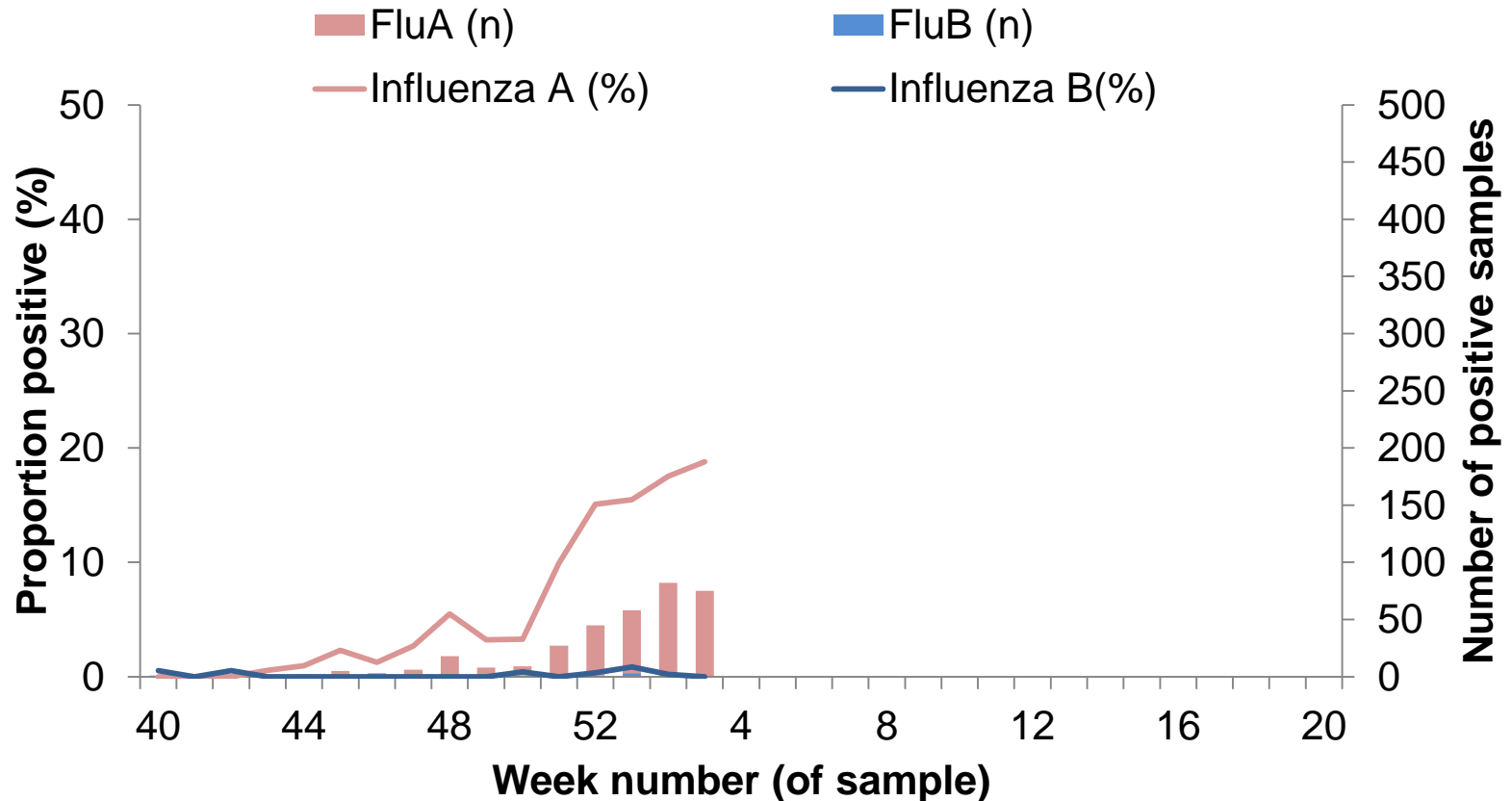# DataMart: Number and proportion of samples positive for influenza, by type, England
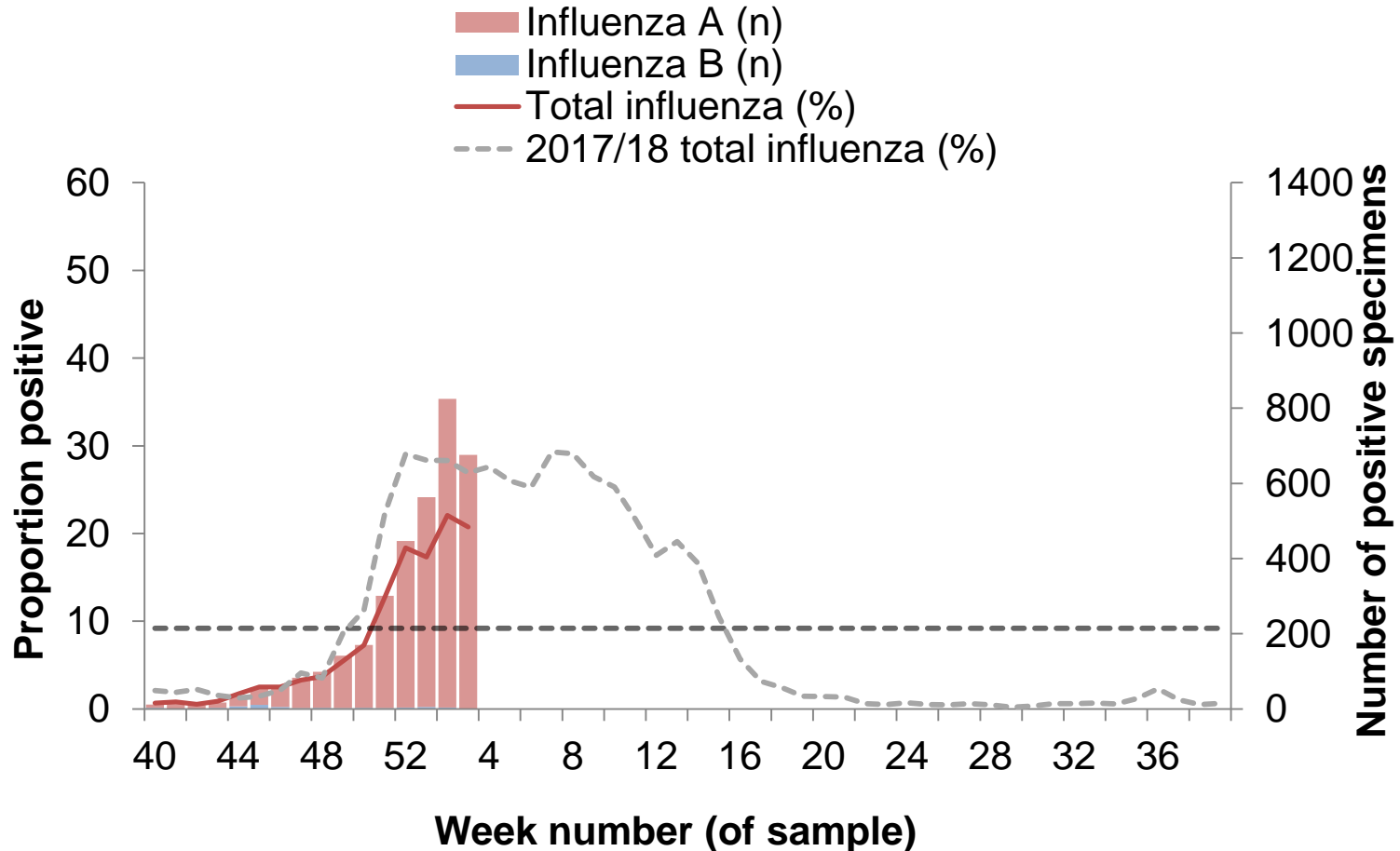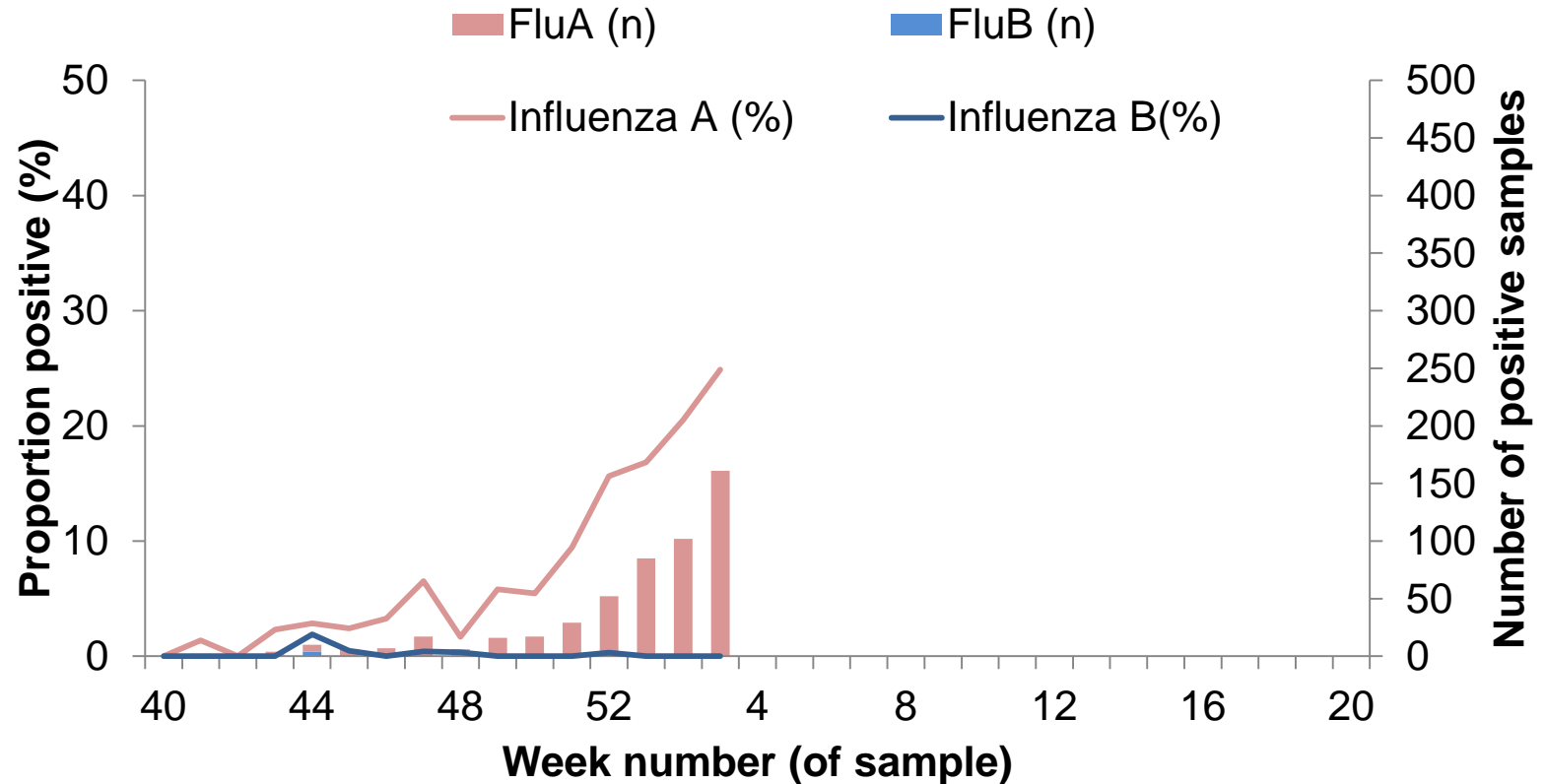
DataMart: Number and proportion of samples positive for influenza, by type, PHE North East of England
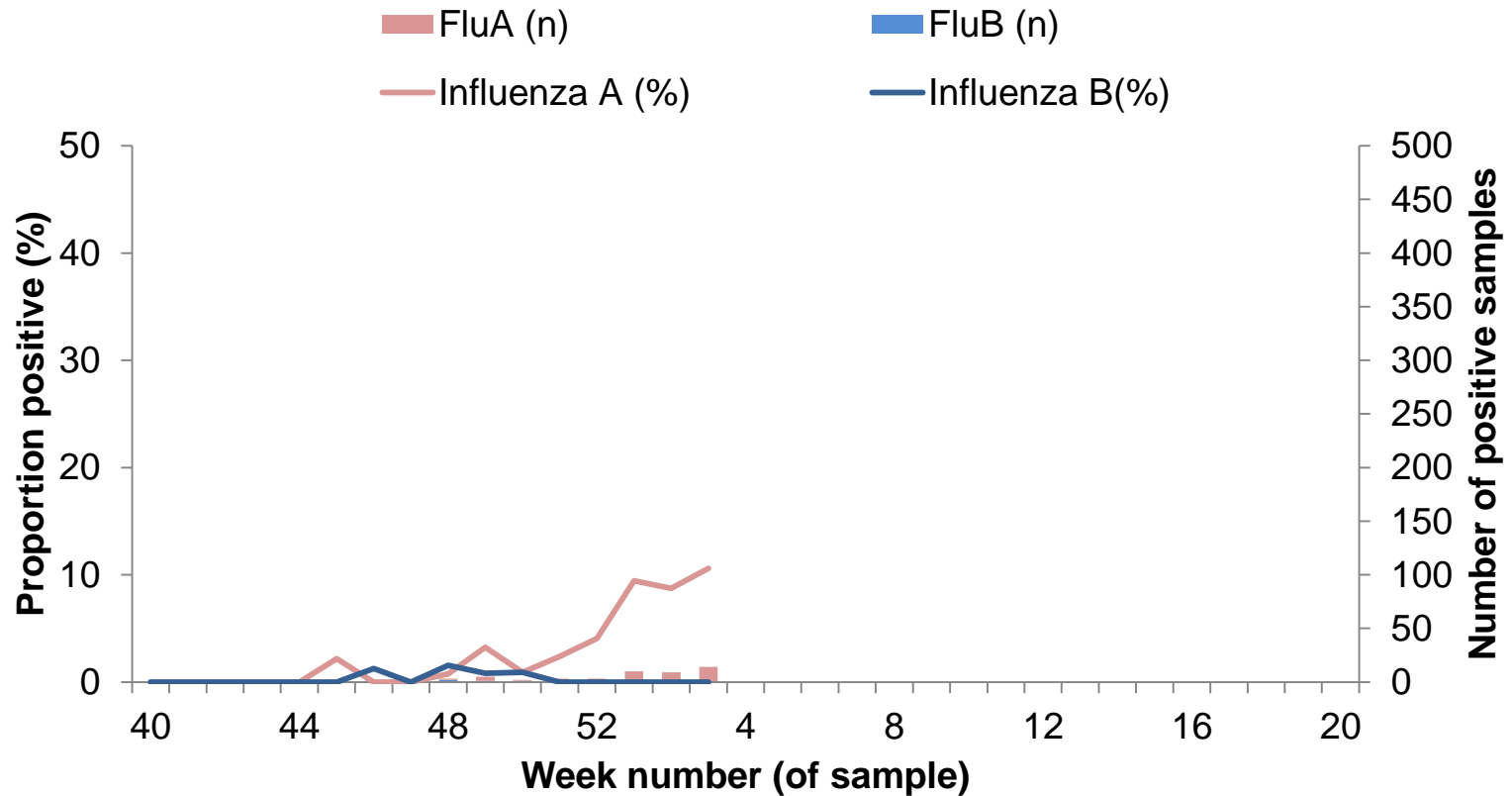
DataMart: Number and proportion of samples positive for influenza, by type, PHE North West of England
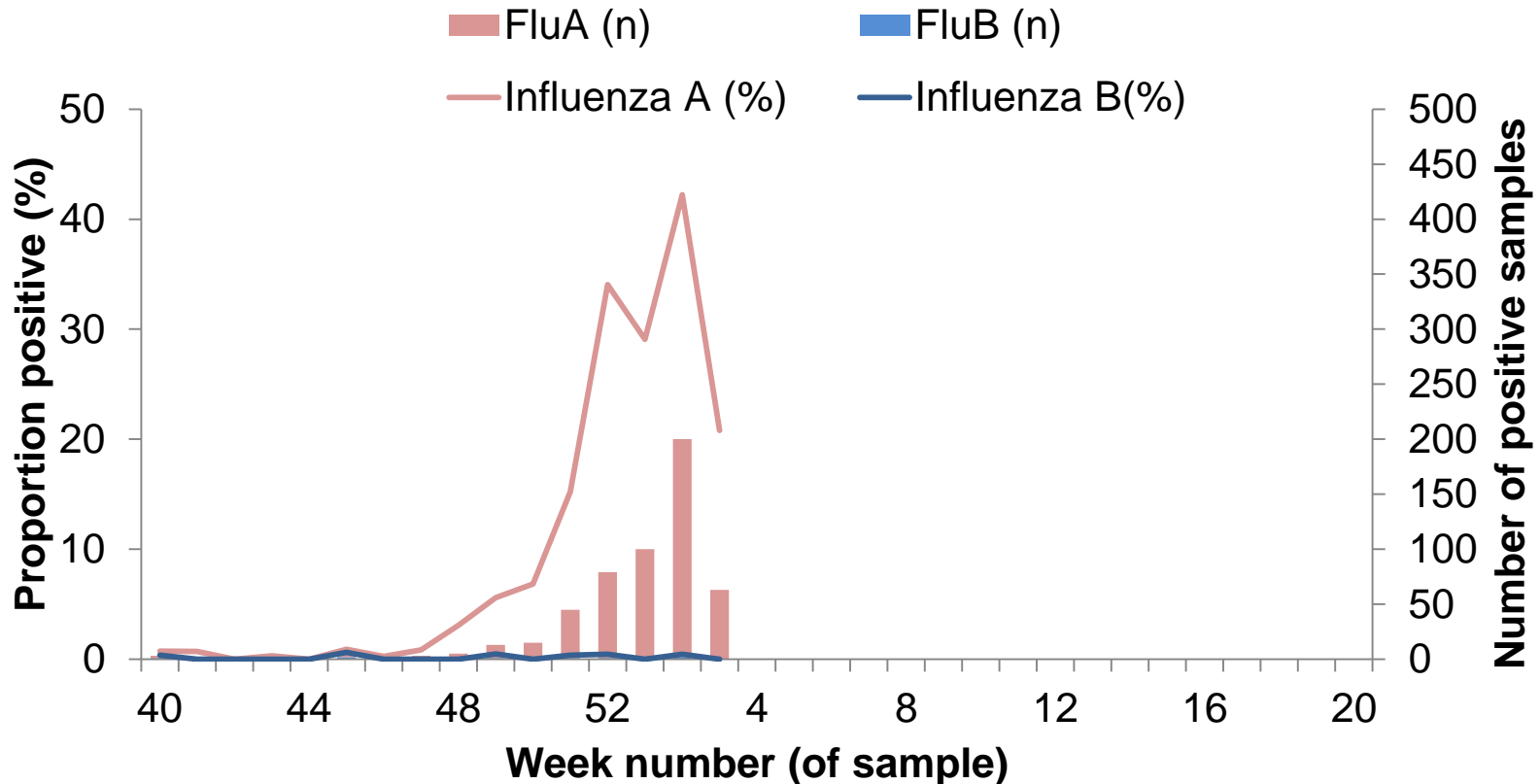
DataMart: Number and proportion of samples positive for influenza, by type, PHE Yorkshire and Humber
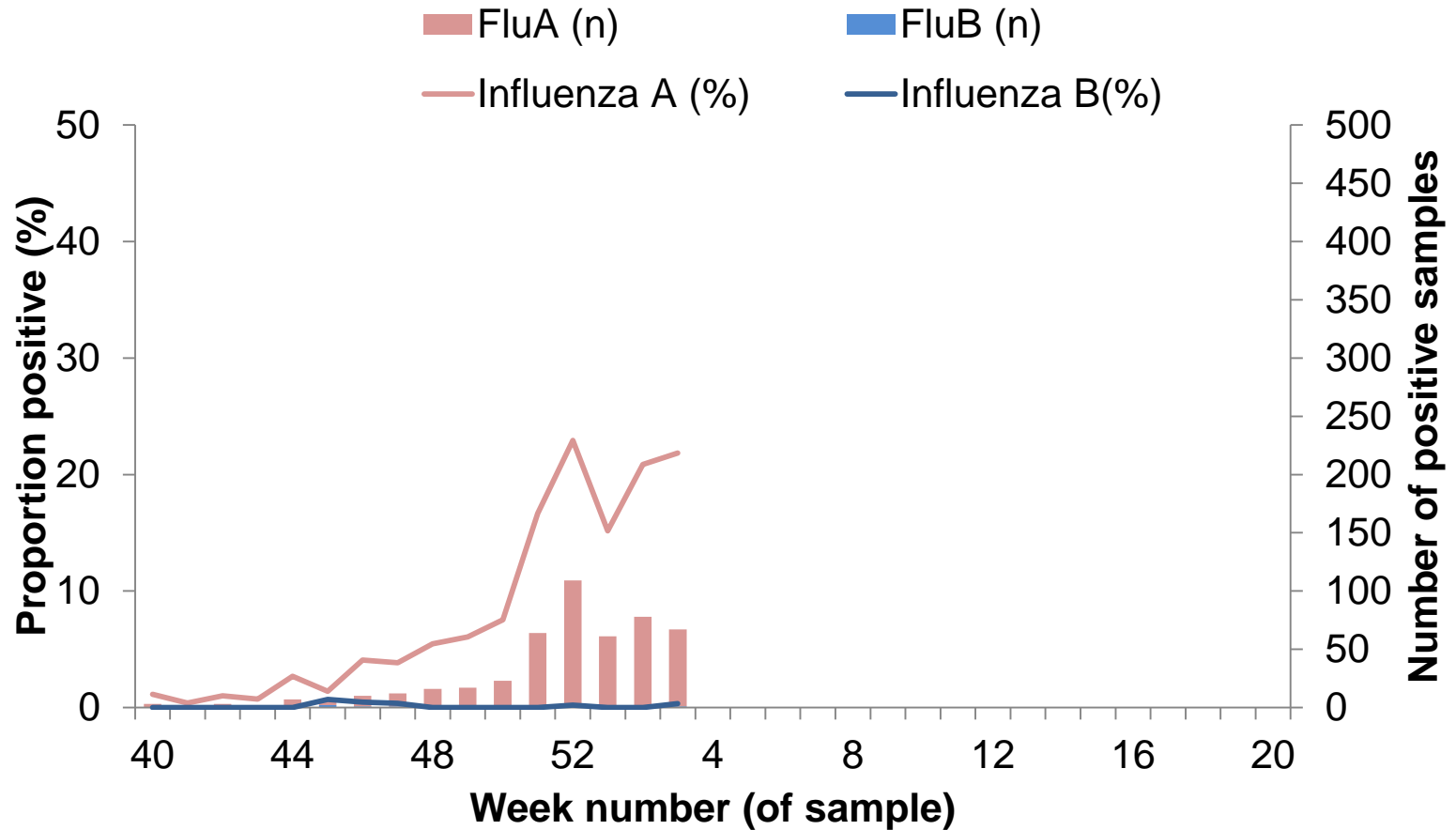
DataMart: Number and proportion of samples positive for influenza, by type, PHE East Midlands of England
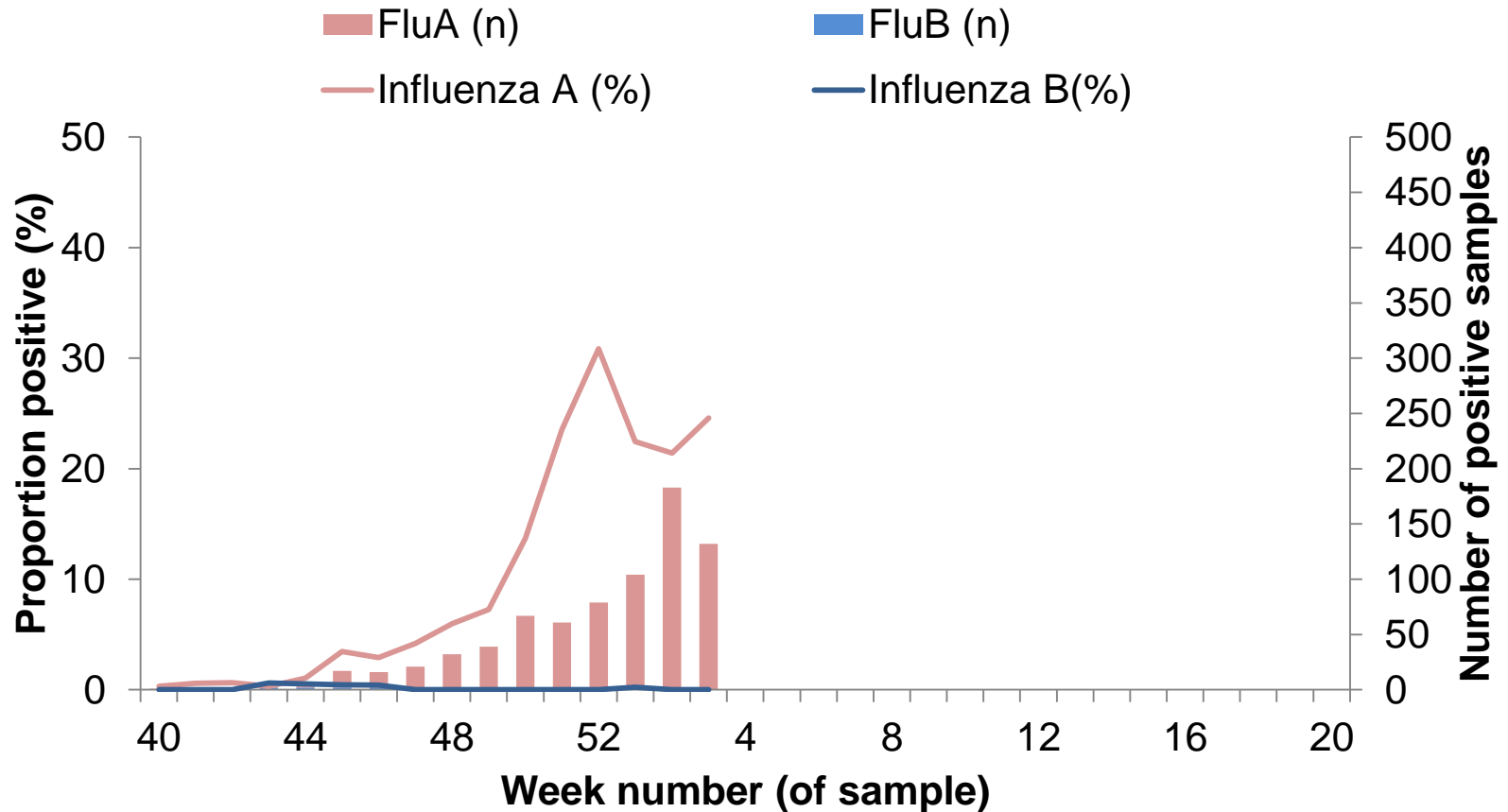
DataMart: Number and proportion of samples positive for influenza, by type, PHE West Midlands of England
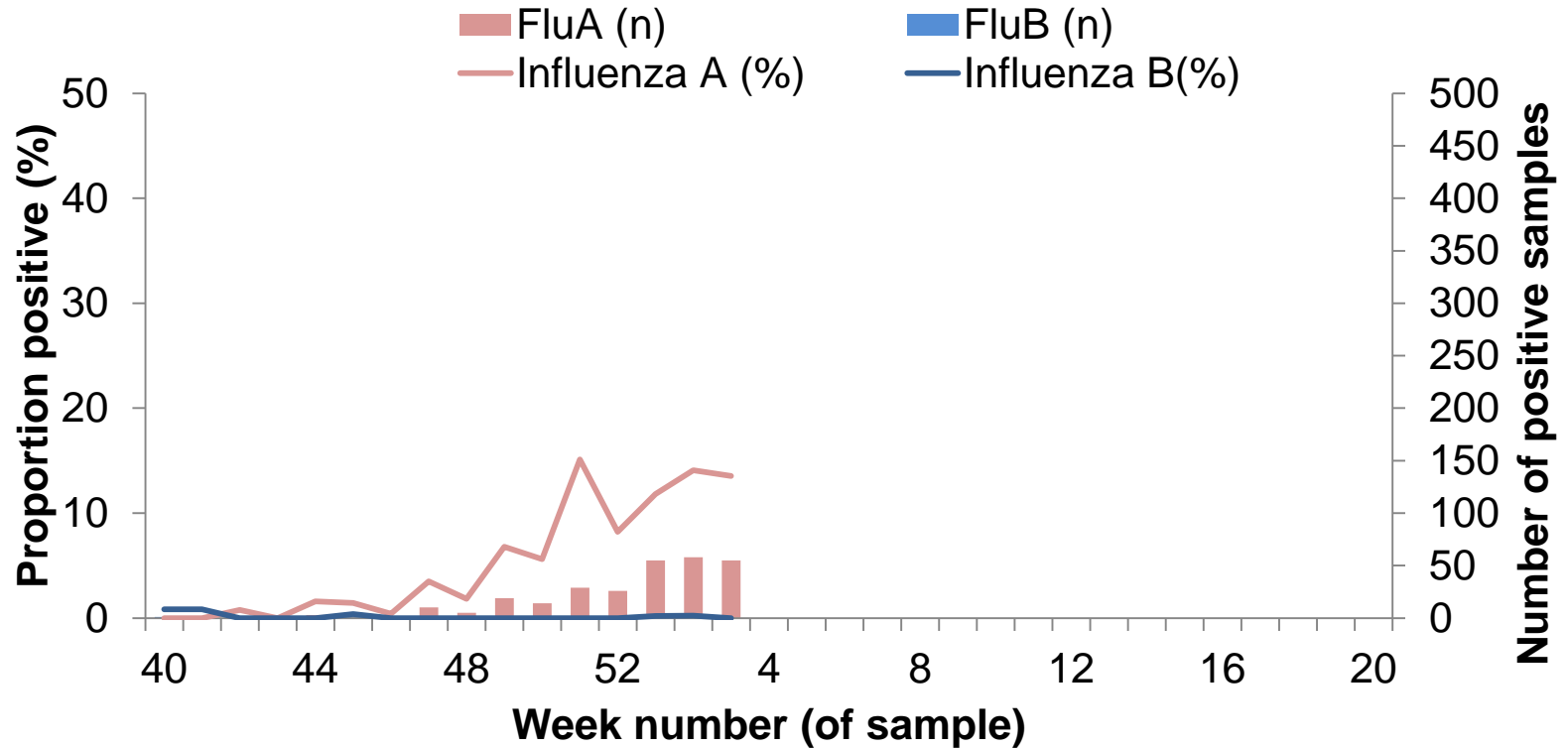
DataMart: Number and proportion of samples positive for influenza, by type, PHE East of England
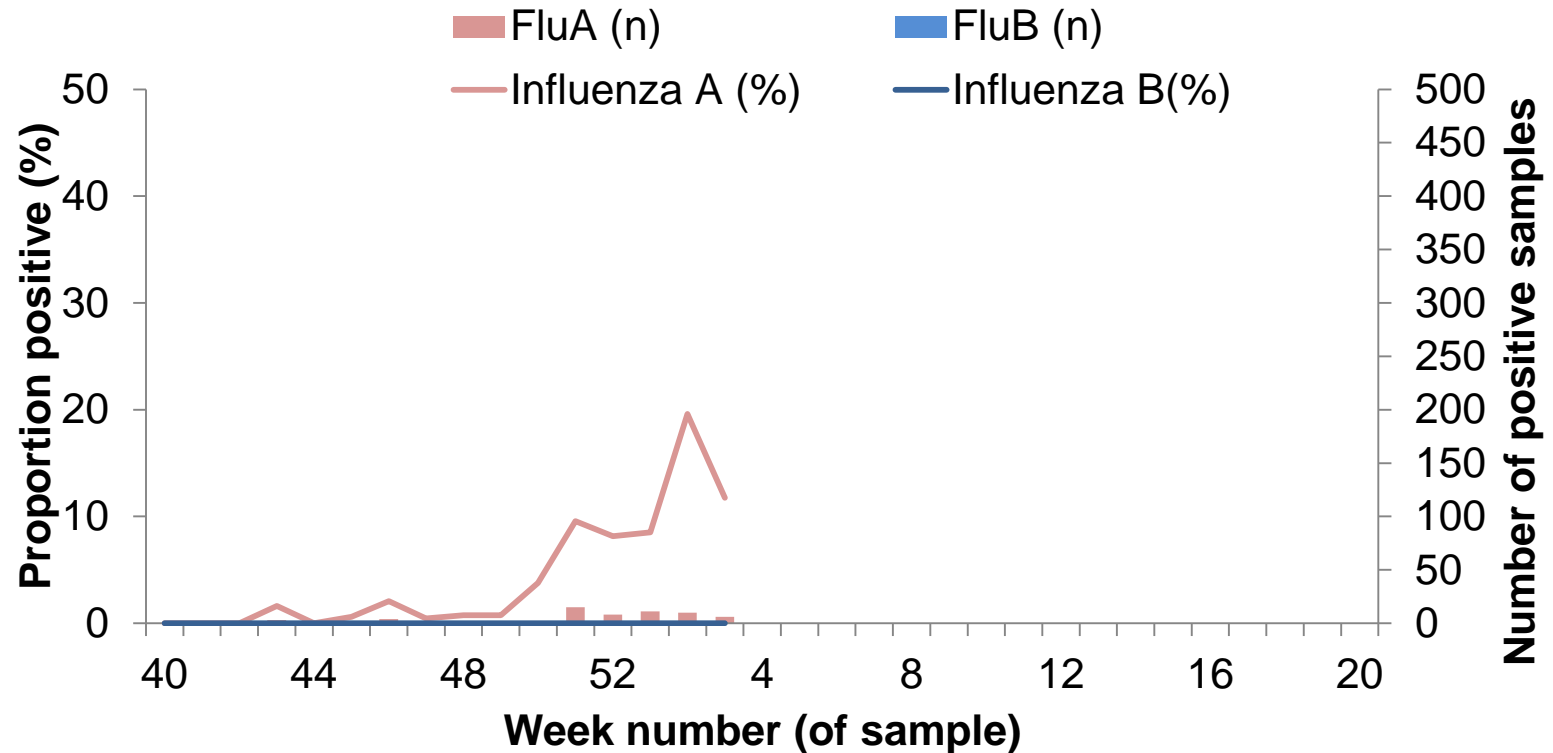
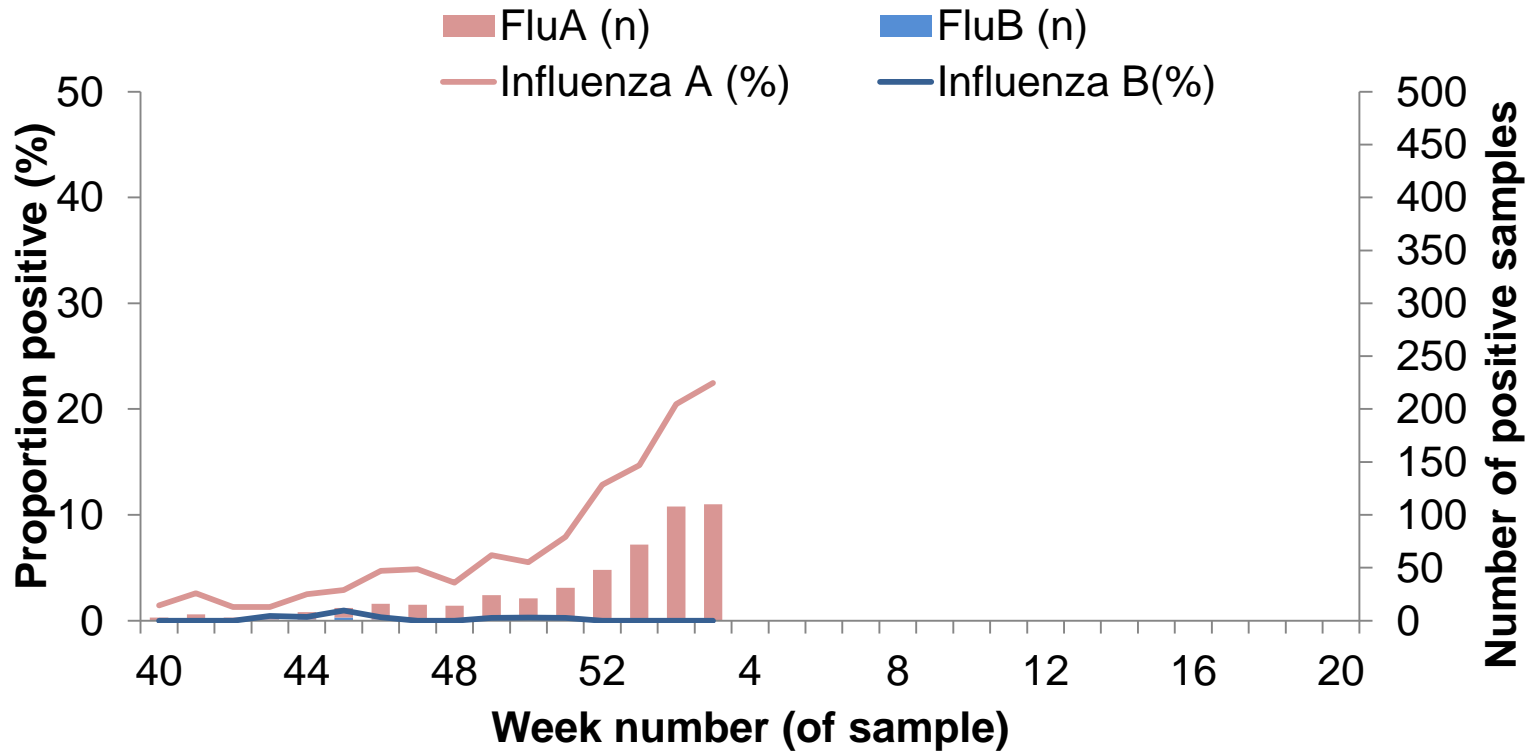# DataMart: Number and proportion of samples positive for influenza, by type, PHE London

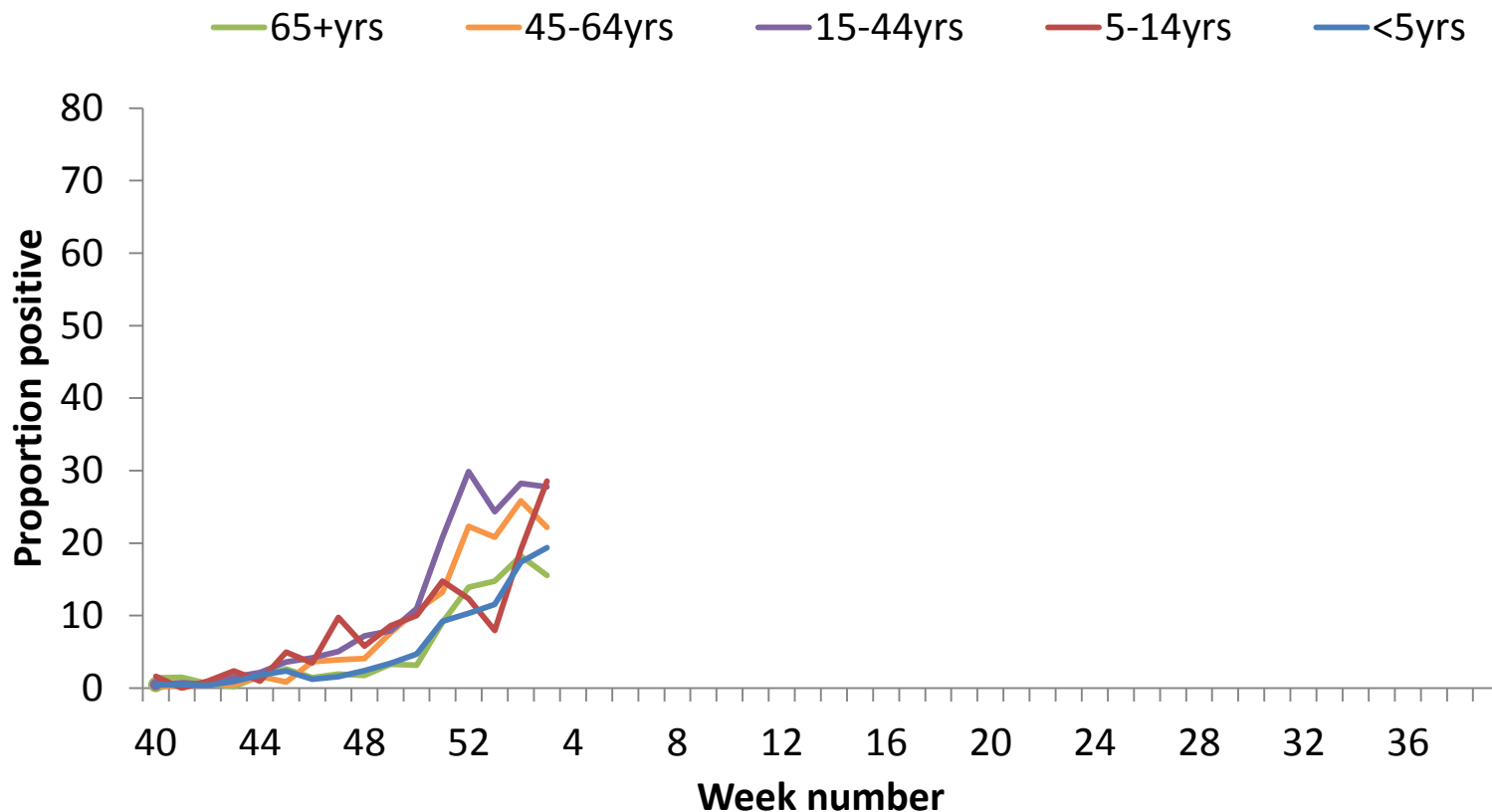DataMart: Number and proportion of samples positive for influenza, by type, PHE South East of England

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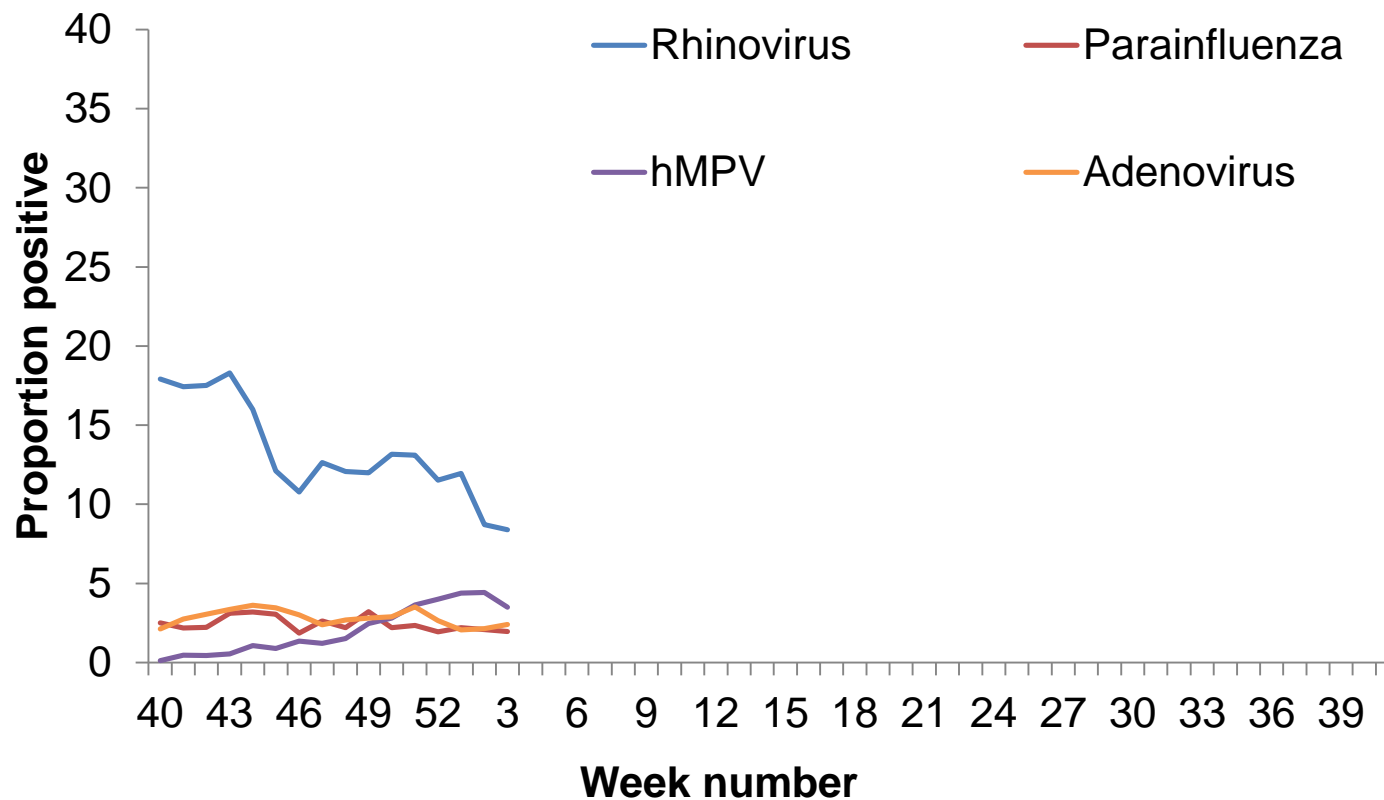
DataMart: Proportion of samples positive for influenza, by age group

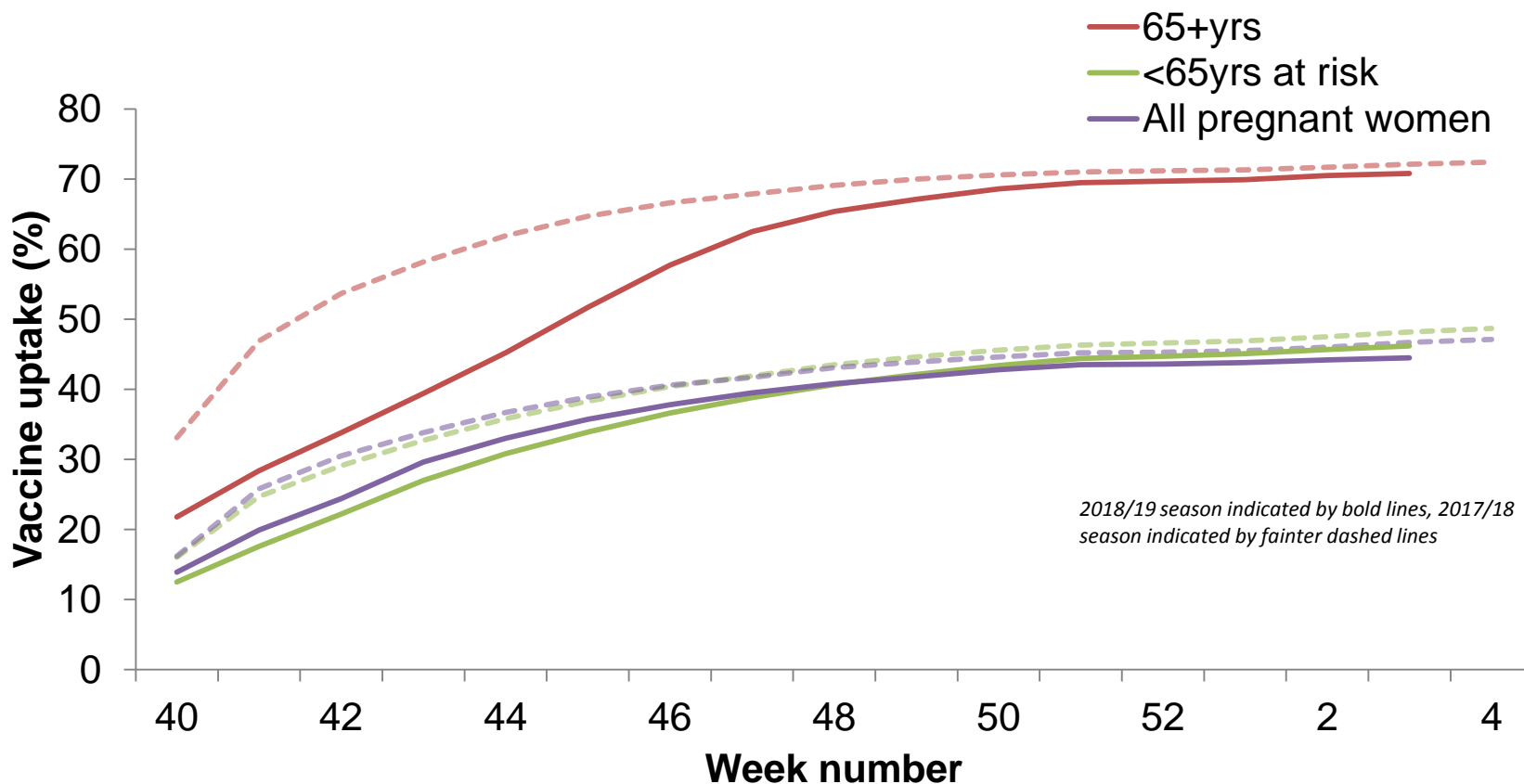DataMart: Proportion of samples positive for other viruses
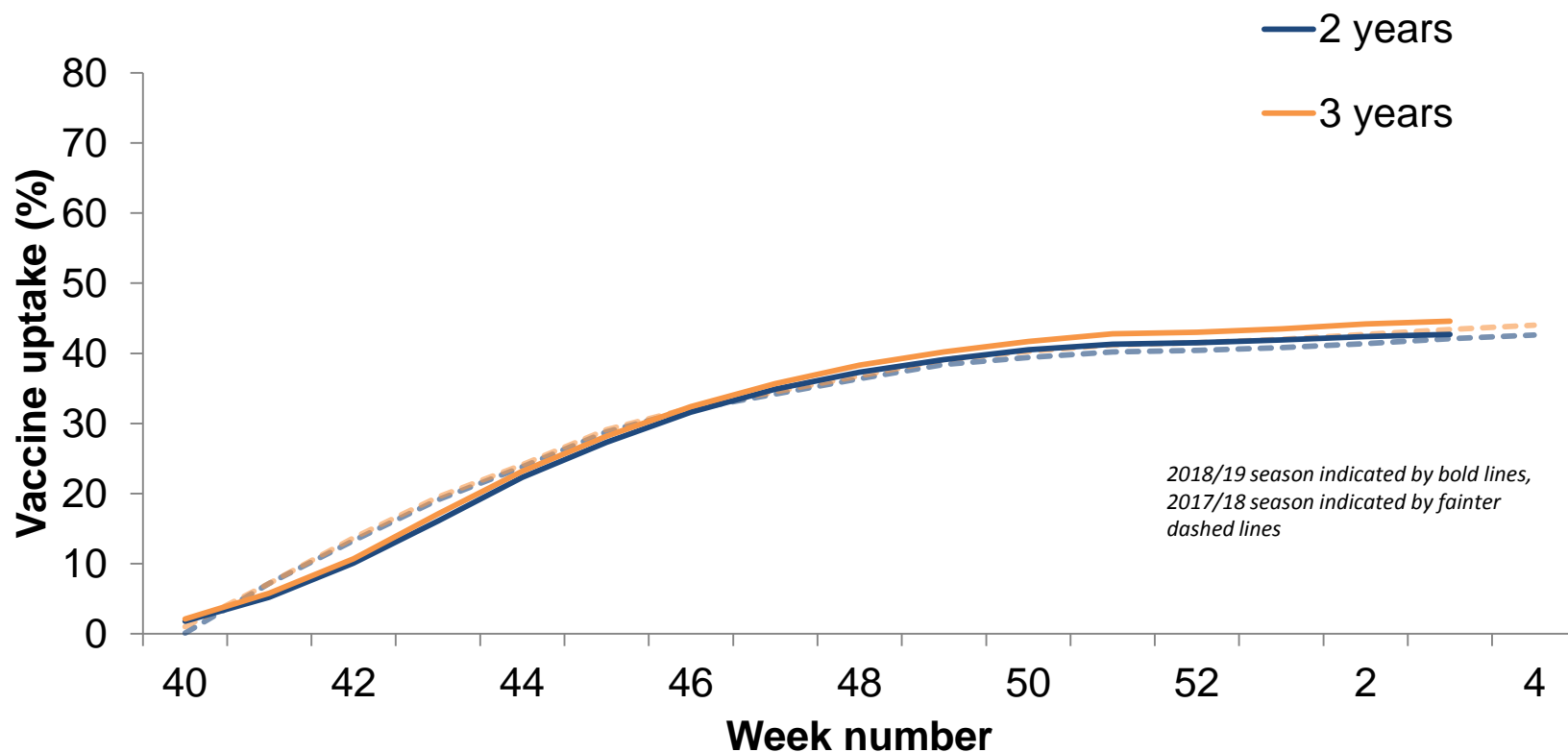
Influenza vaccination

Seasonal influenza vaccine uptake in targeted groups, 2018/19, England

Seasonal influenza vaccine uptake in targeted groups, 2018/19, England

2018/19 season indicated by bold lines, 2017/18 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-2018-to-2019-season