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

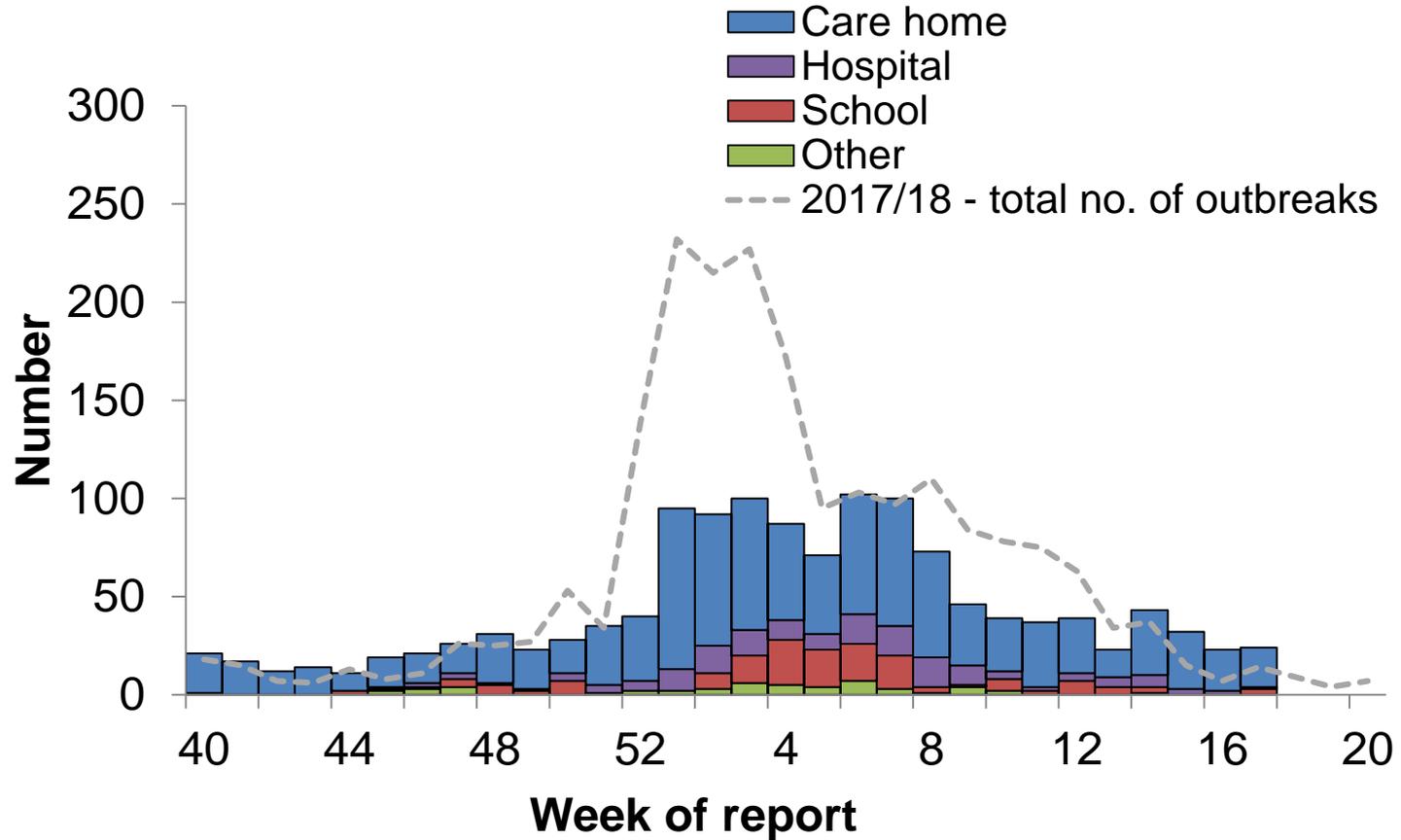Centre for Infectious Disease Surveillance and Control

Public Health England

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Community influenza surveillance

Number of acute respiratory outbreaks by institution, UK
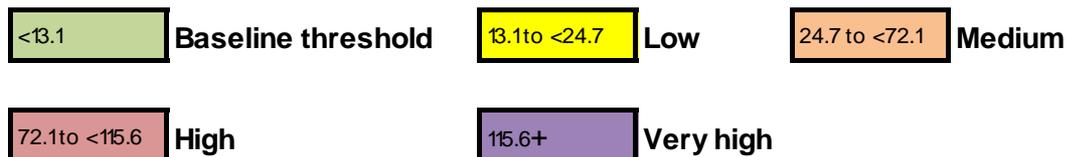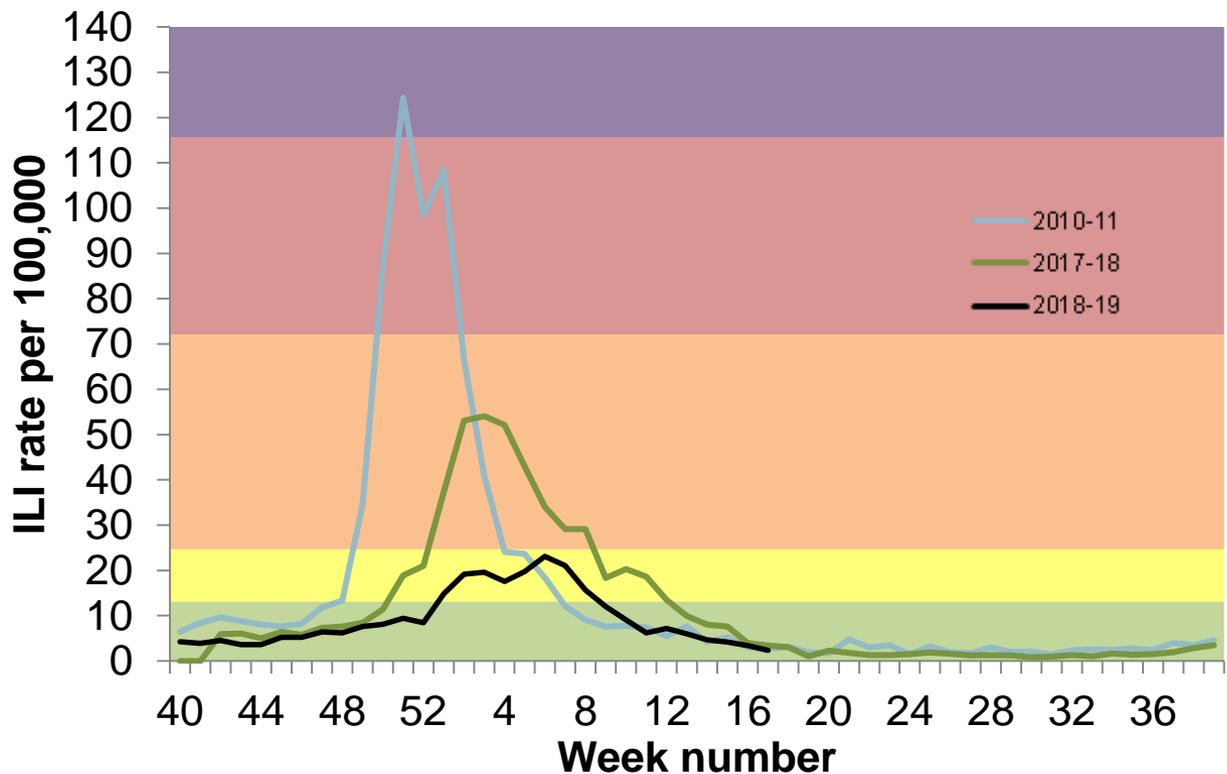
Number of acute respiratory outbreaks by PHE Centre

	Outbreaks reported in week 17	Cumulative number of outbreaks since week 40
PHE North East	0	39
PHE North West	3	183
PHE Yorkshire and Humber	2	96
PHE East Midlands	6	151
PHE West Midlands	5	150
PHE East of England	0	182
PHE London	0	58
PHE South East	5	194
PHE South West	3	205

Influenza-like illness GP consultation rates

RCGP ILI consultation rate, England

<13.1 **Baseline threshold**	13.1to <24.7 **Low**	24.7 to <72.1 **Medium**
72.1to <115.6 **High**	115.6+ **Very high**	

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

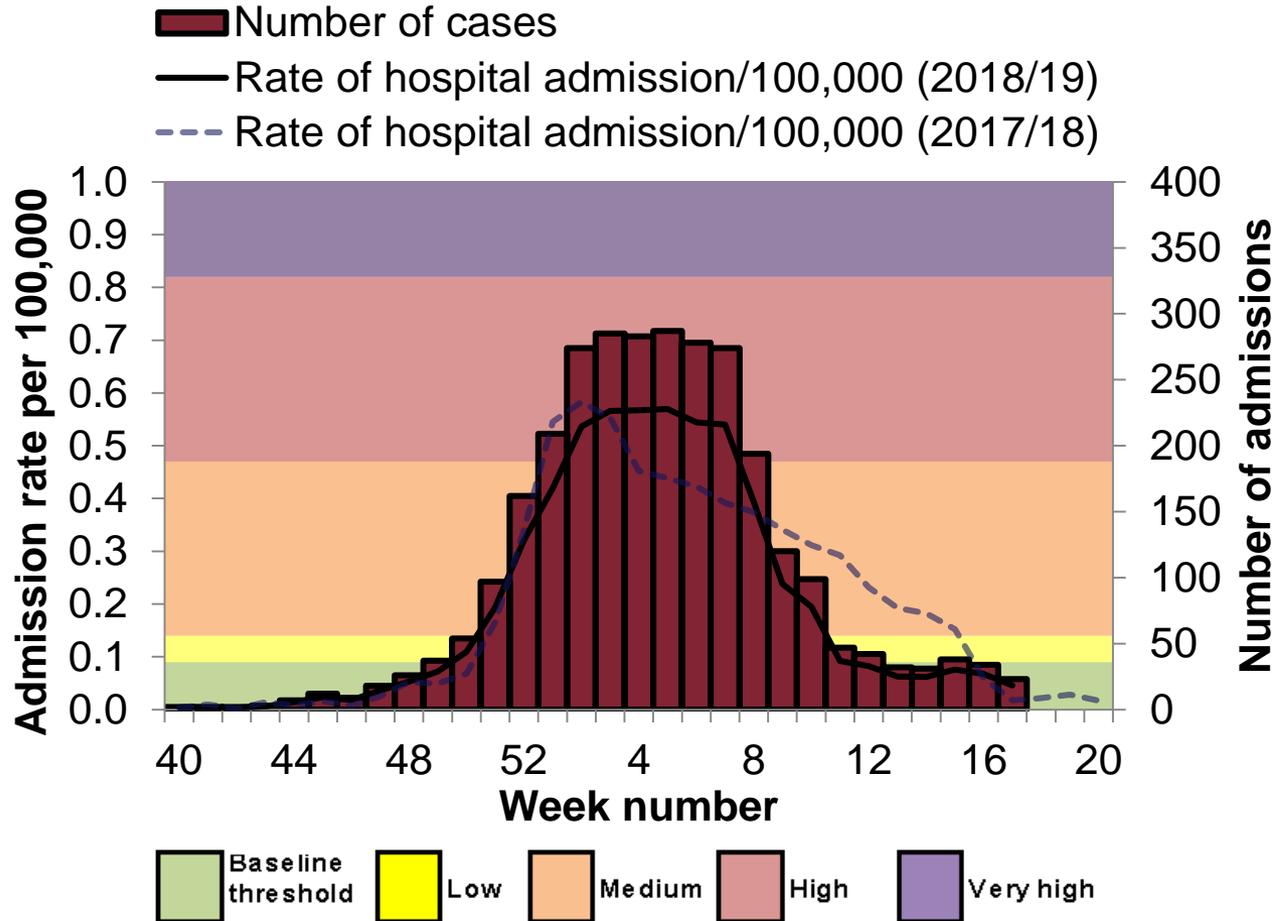| GP ILI consultation rates (all ages)	Week number																																
	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
England (RCGP)	4.2	3.9	4.5	3.6	3.6	5.3	5.2	6.4	6.2	7.6	8.1	9.4	8.4	14.8	19.2	19.6	17.5	19.7	23.1	21.1	15.7	12.1	9.1	6.2	7.2	6.0	4.7	4.2	3.4	2.4
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	14.6	20.3	22.8	15.6	20.3	21.3	17.1	17.3	8.2	8.7	7.4	4.5	6.7	6.2	5.4	4.0	4.0
Scotland	7.1	5.8	4.0	3.8	2.8	7.6	4.0	4.7	5.6	4.0	6.5	10.1	6.9	17.7	26.7	18.0	28.4	32.7	32.3	27.2	20.8	10.2	10.2	6.6	7.9	4.6	10.9	3.7	2.9	2.2
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	12.4	14.5	16.2	14.5	11.1	9.0	5.9	5.6	4.1	5.7	4.3	4.4	3.6	2.5

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 .
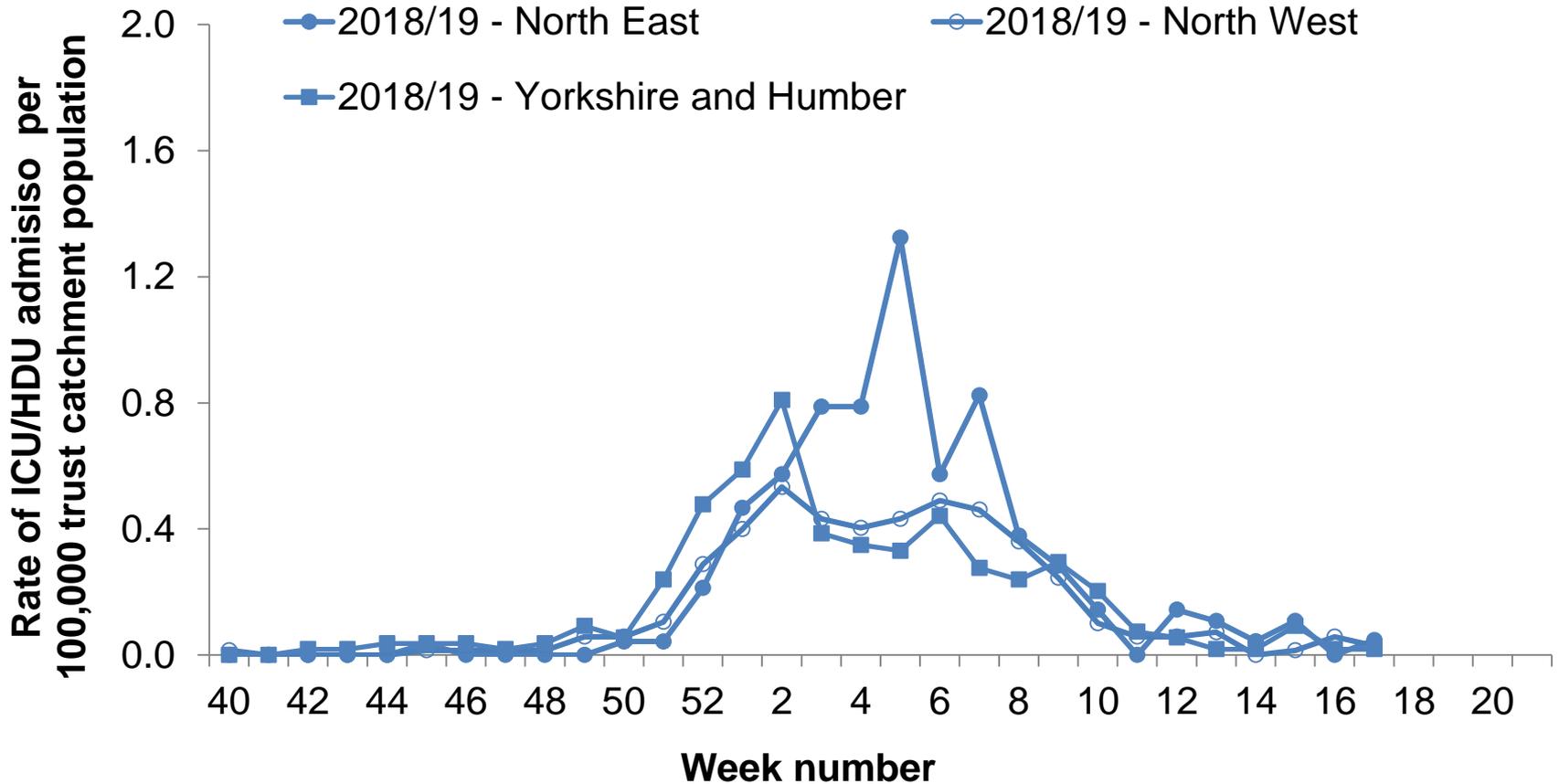
Influenza-confirmed hospitalisations

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

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 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
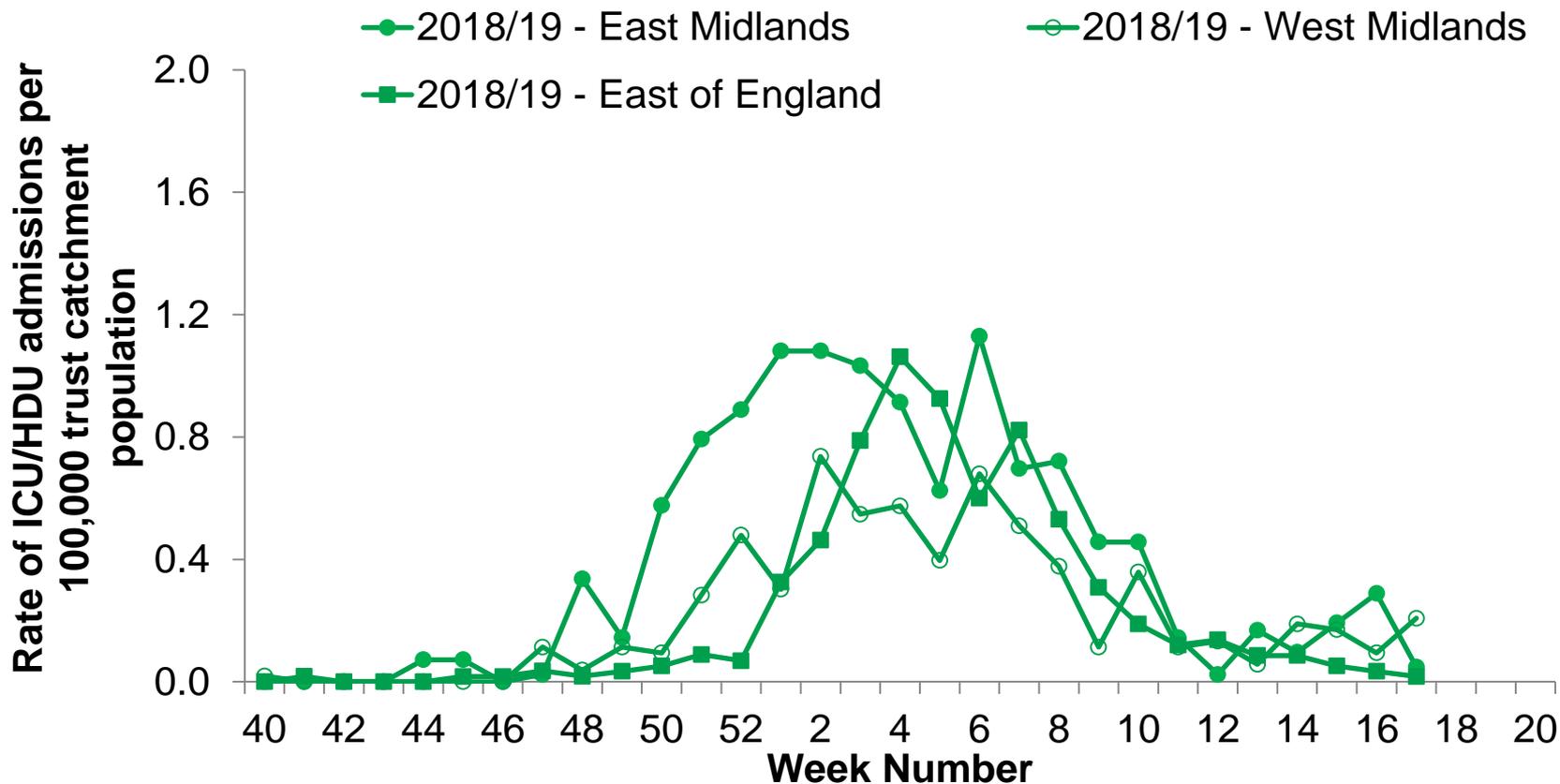
Return to main menu

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
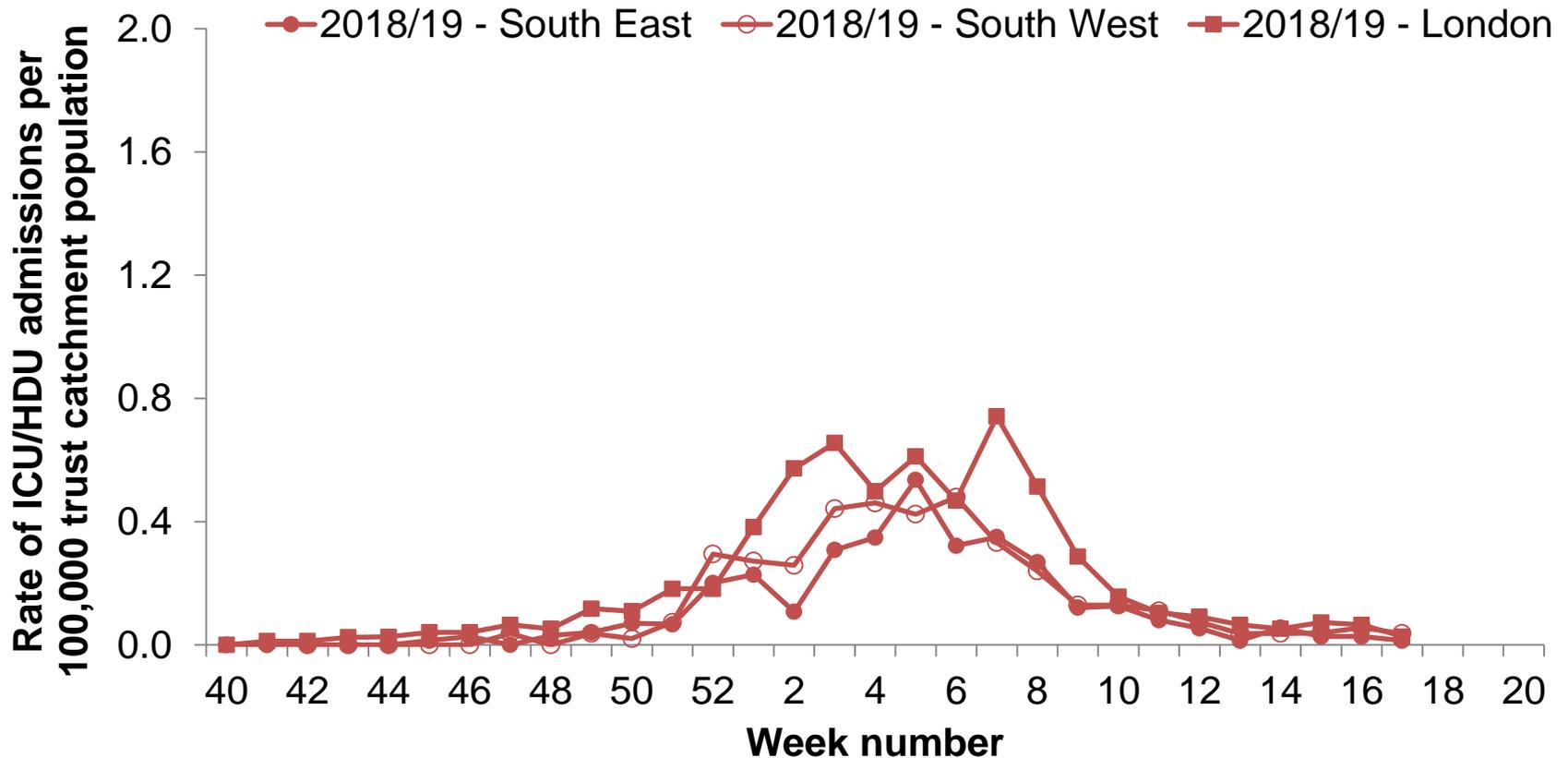
Influenza confirmed ICU admissions (USISS mandatory) by age and influenza subtype, since week 40 2018
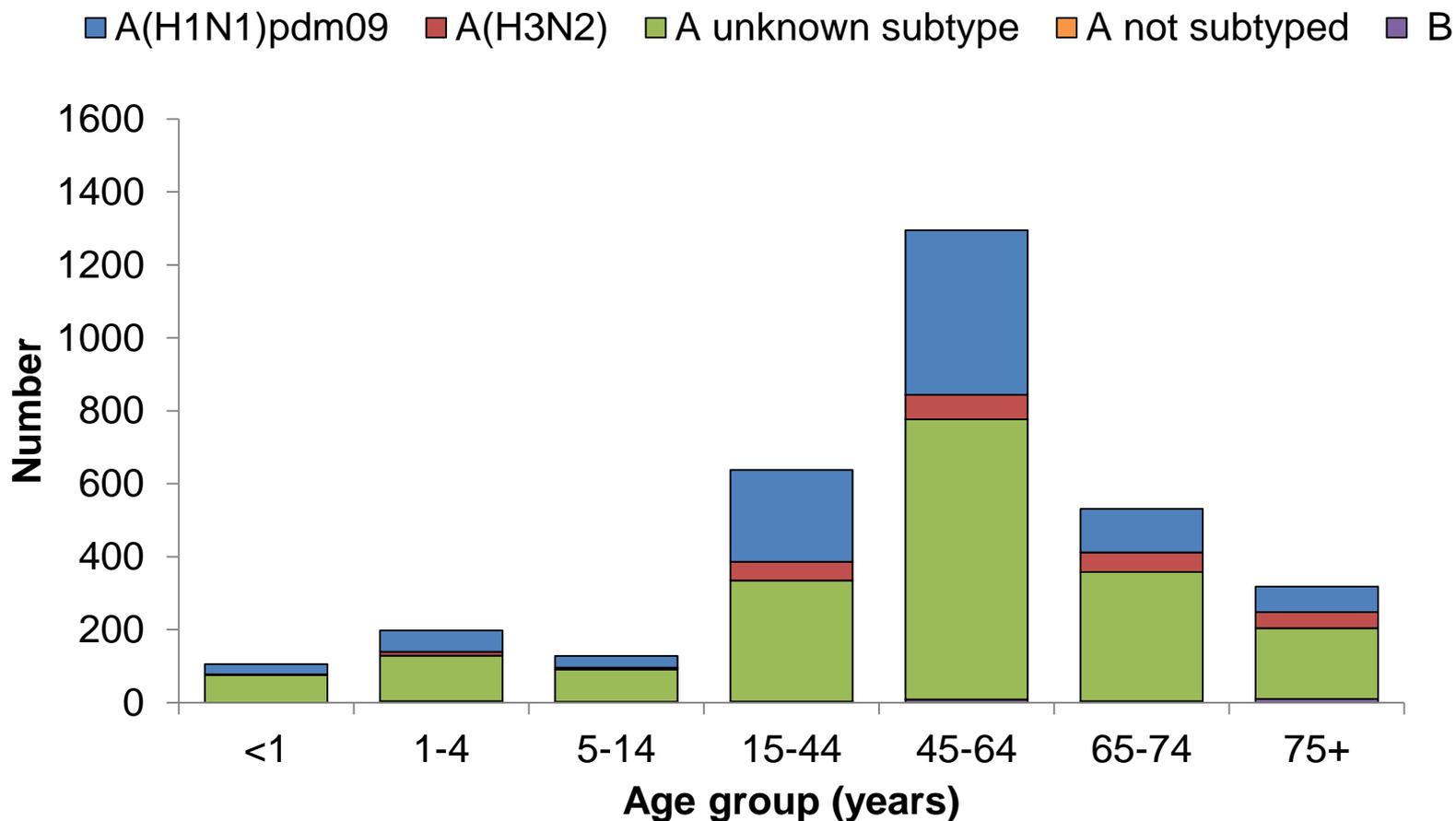
Weekly hospitalised influenza case rate per 100,000 trust catchment population , England, since week 40 2018
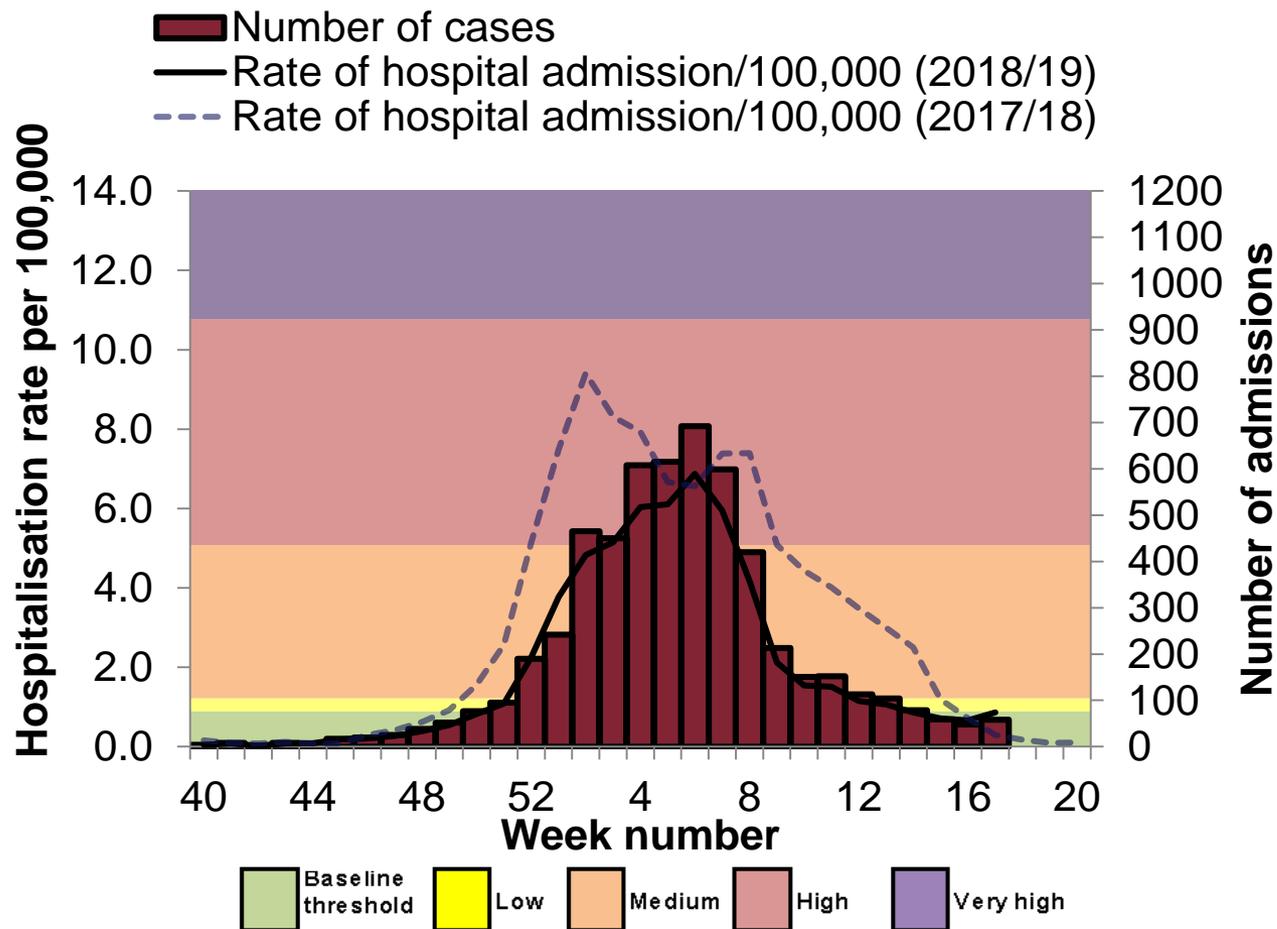
The Moving Epidemic Method (MEM) has been adopted by the European Centre for Disease Prevention and Control to calculate thresholds for ICU/HDU admission rates for the start of influenza activity (based on 6 seasons) in a standardised approach across Europe. For MEM threshold values, please visit: https://www.gov.uk/guidance/sources-of-uk-flu-data-influenza-surveillance-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
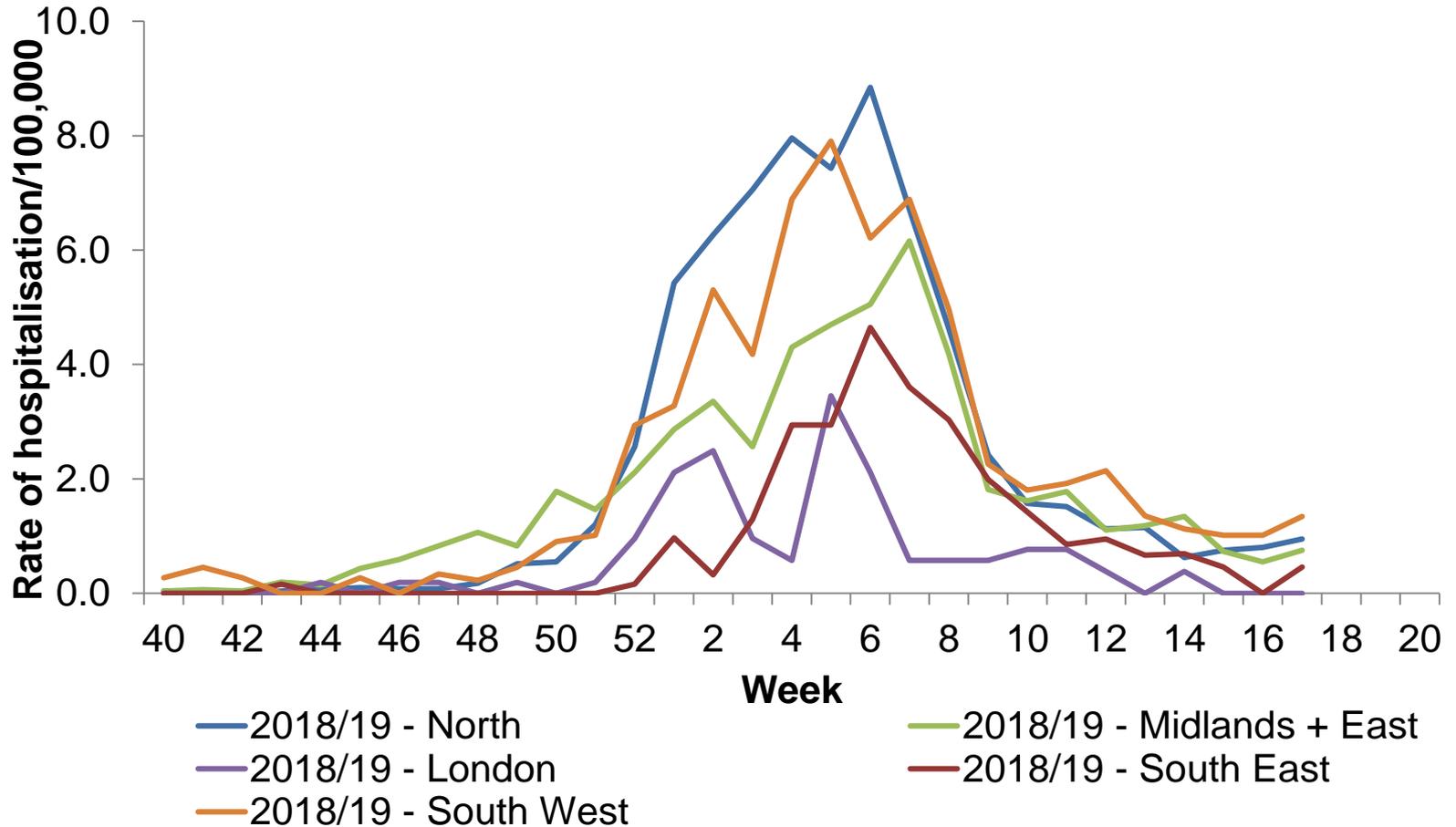
Influenza confirmed hospital admissions (USISS sentinel) by age and influenza subtype, since week 40 2018
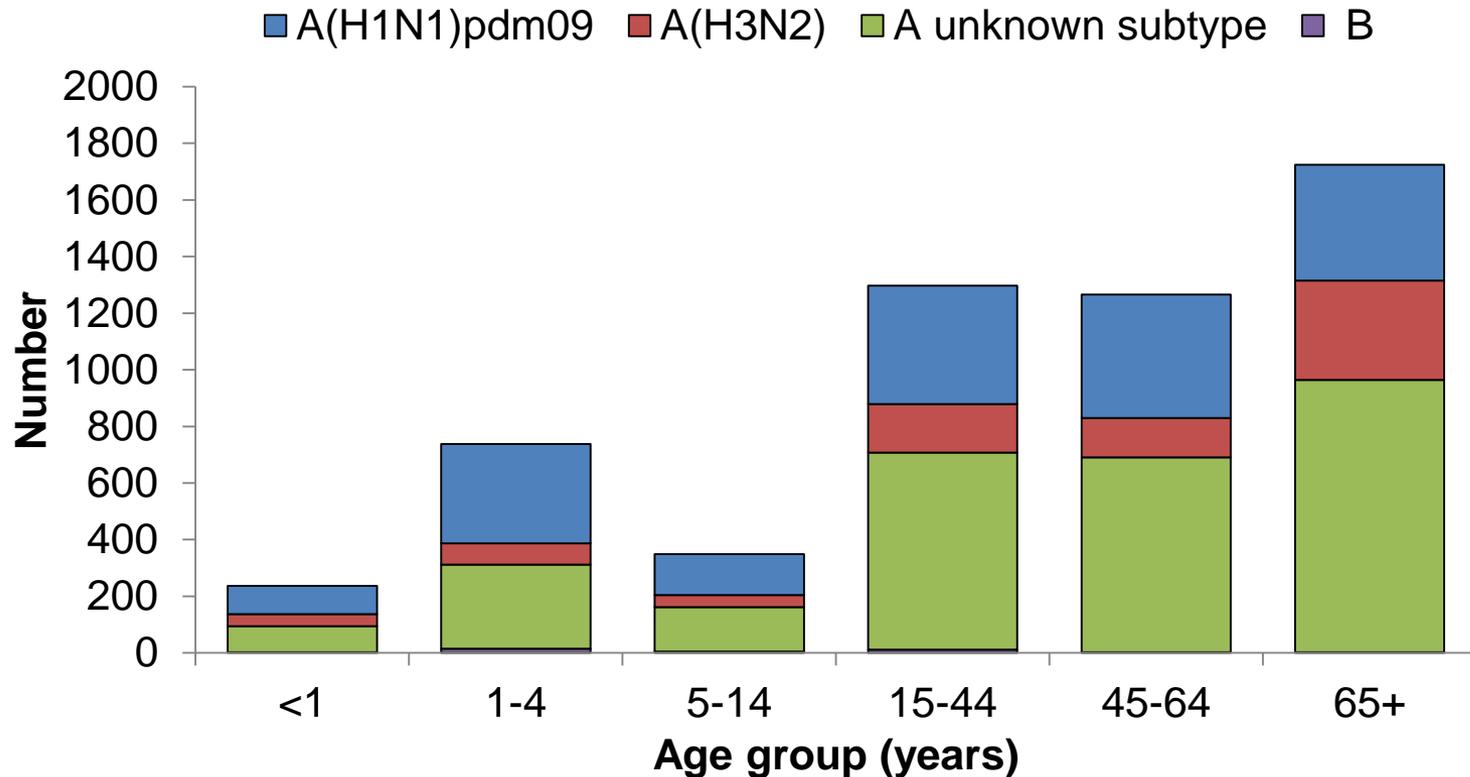
All-cause mortality

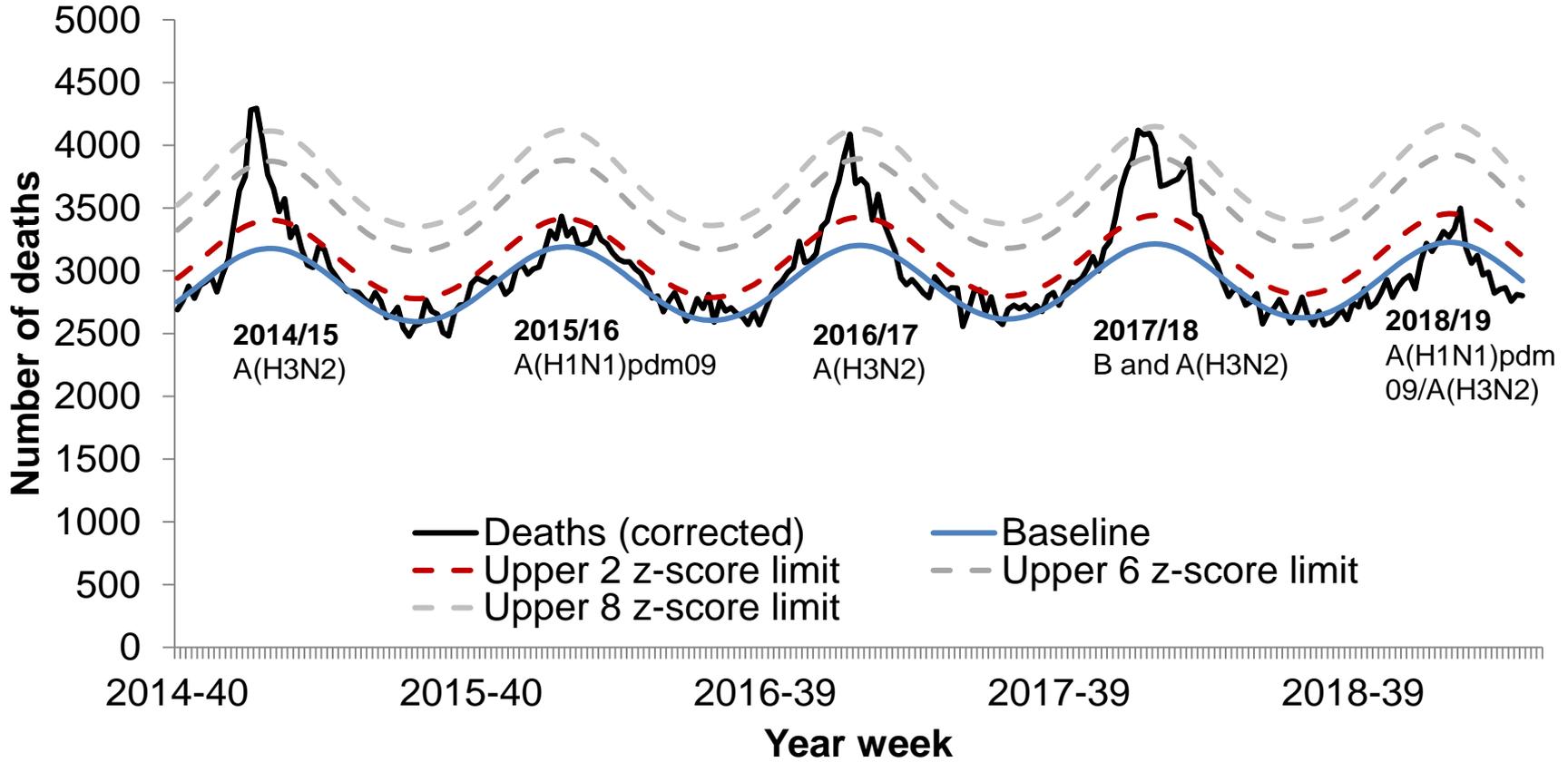Excess mortality (all causes) by week of death through the EuroMOMO algorithm in 65+ year olds, England
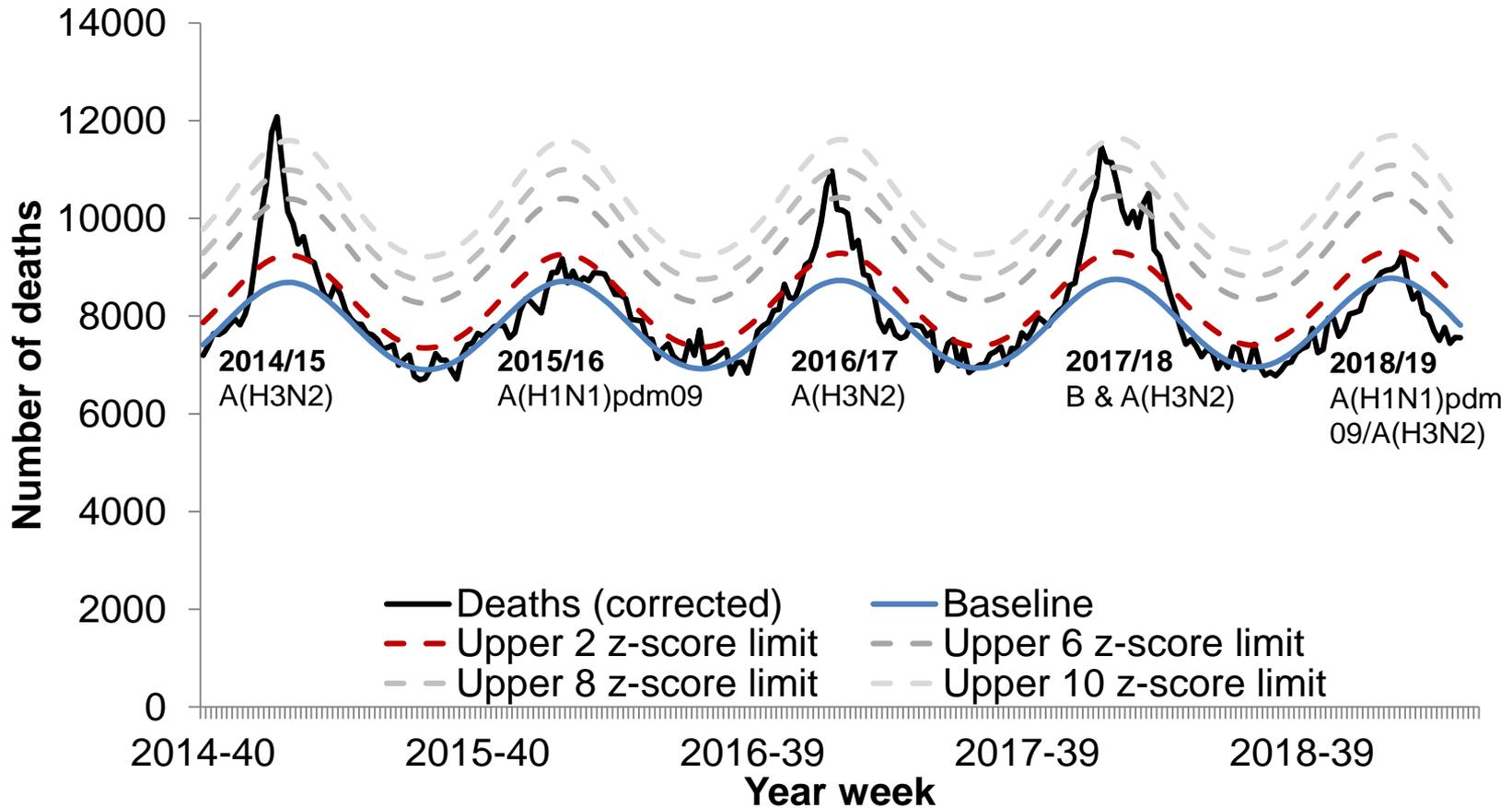
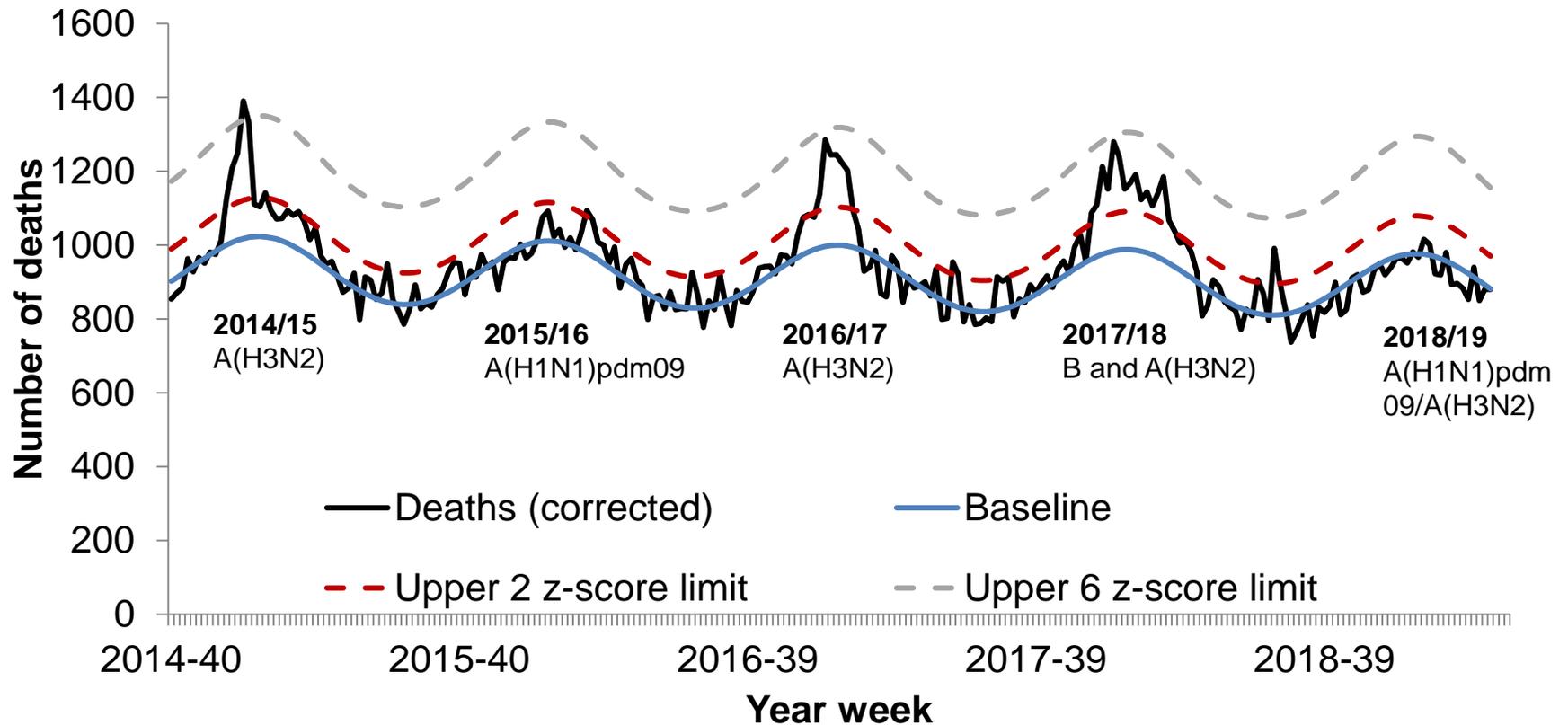Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE North of England
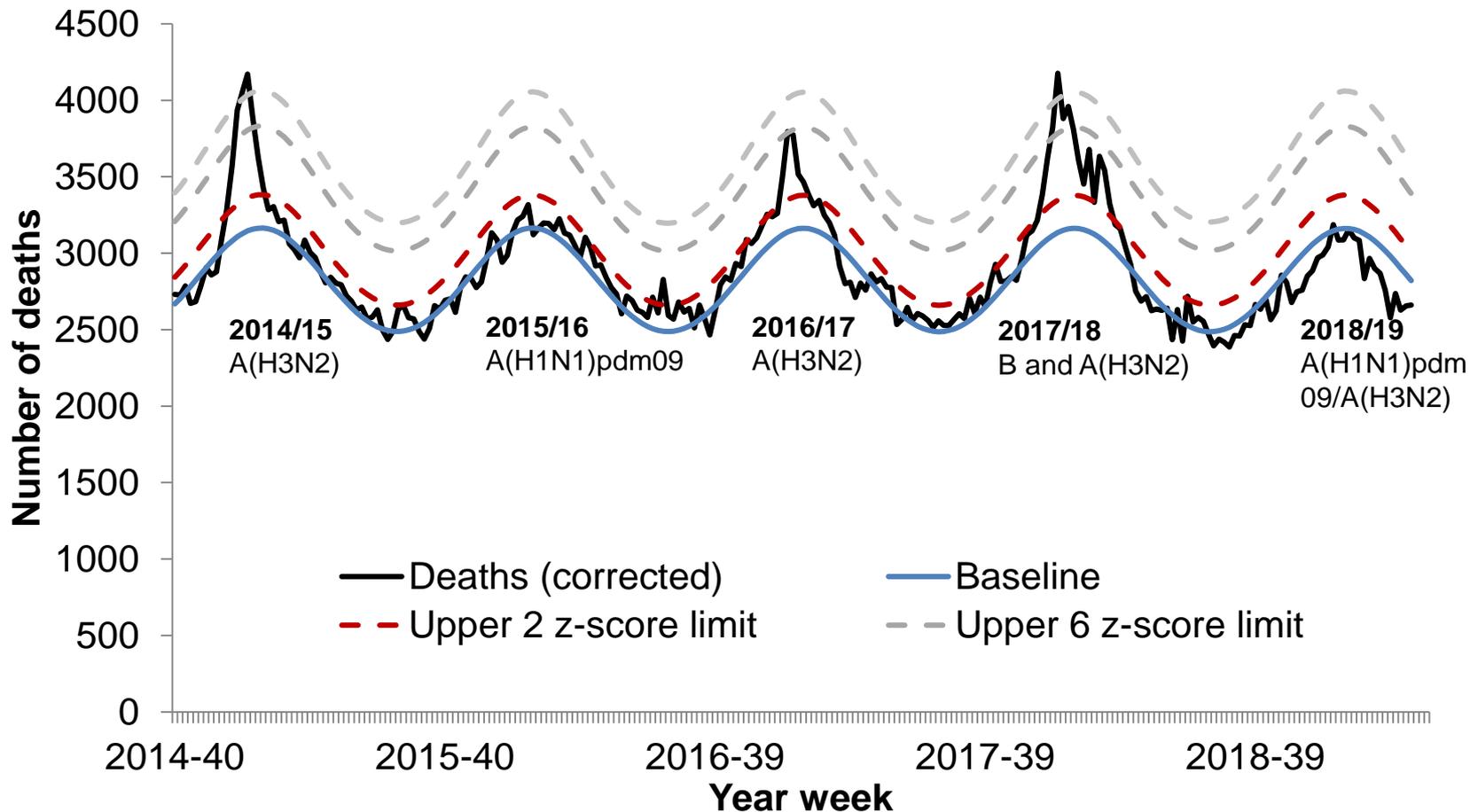
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE Midlands and East of England

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

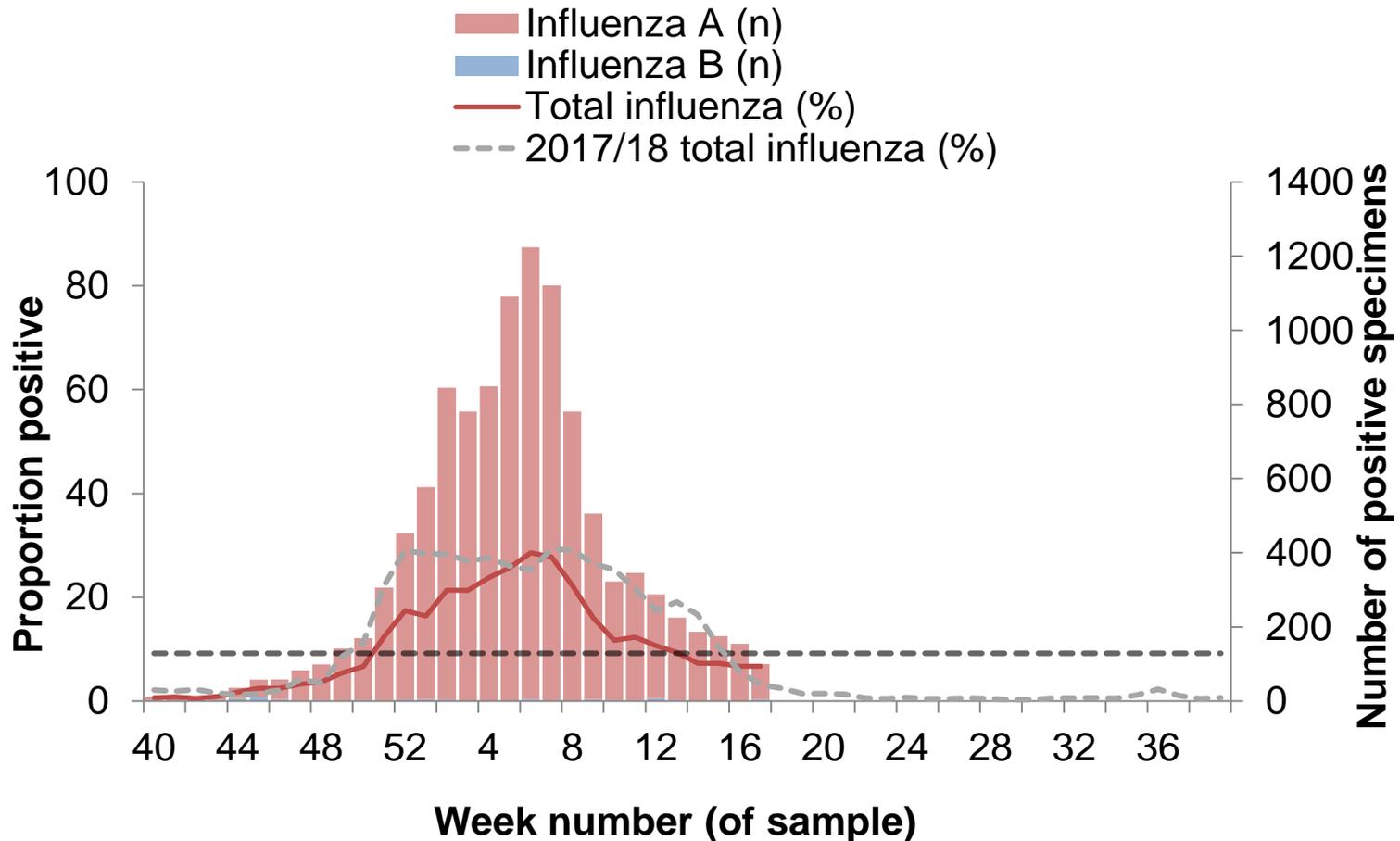Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE South of England
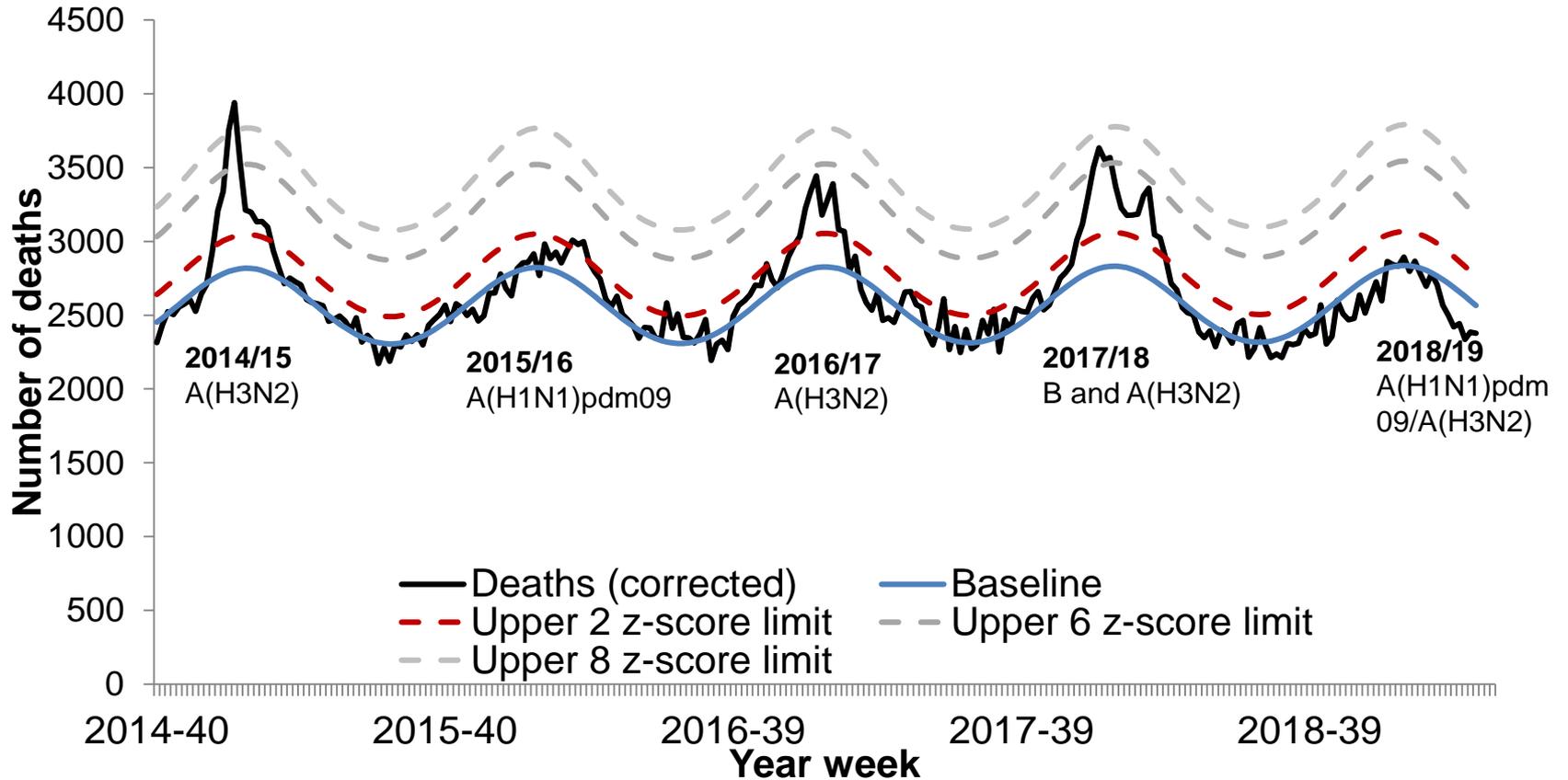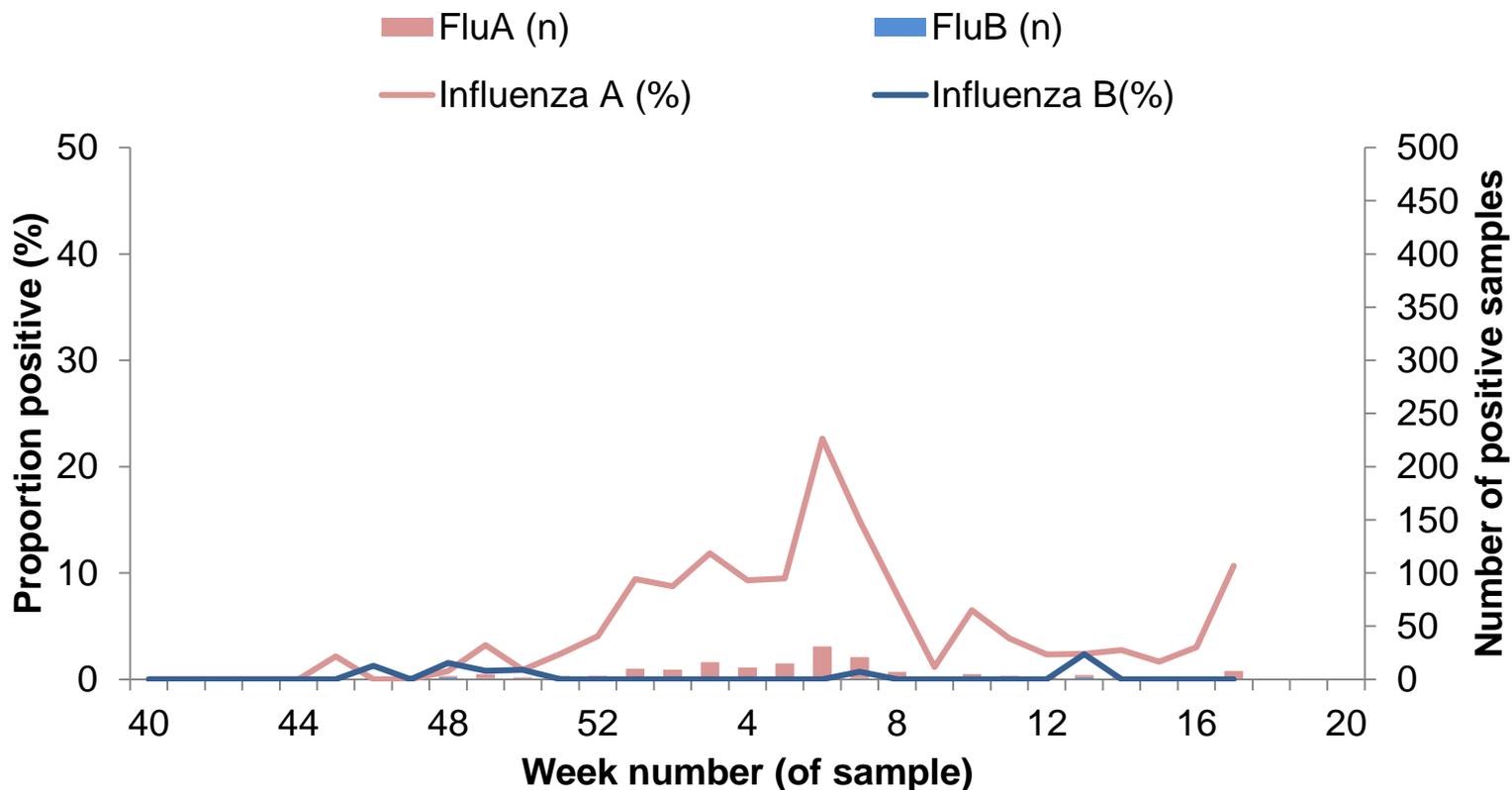
Microbiological surveillance

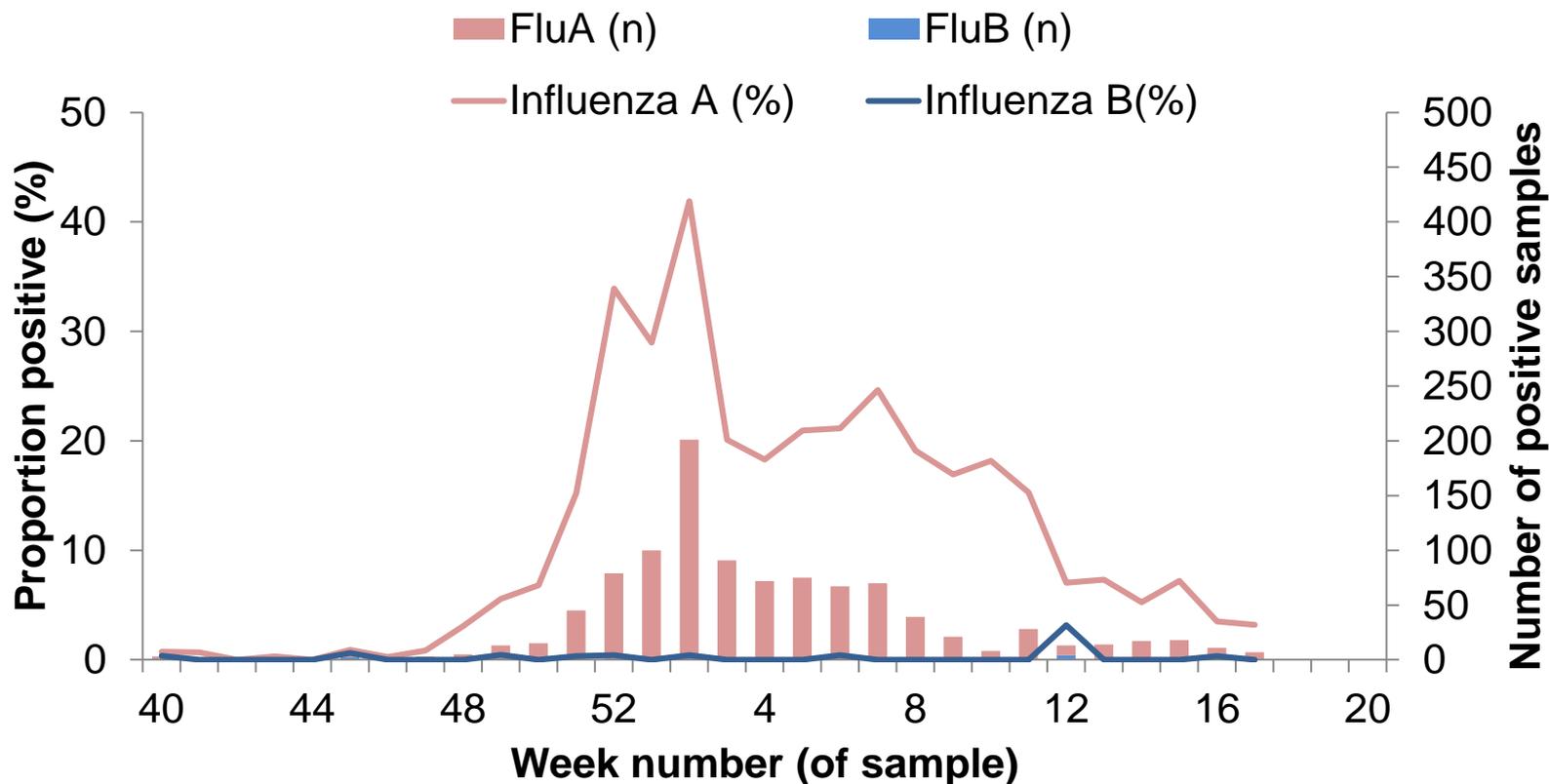DataMart: Number and proportion of samples positive for influenza, by type, England

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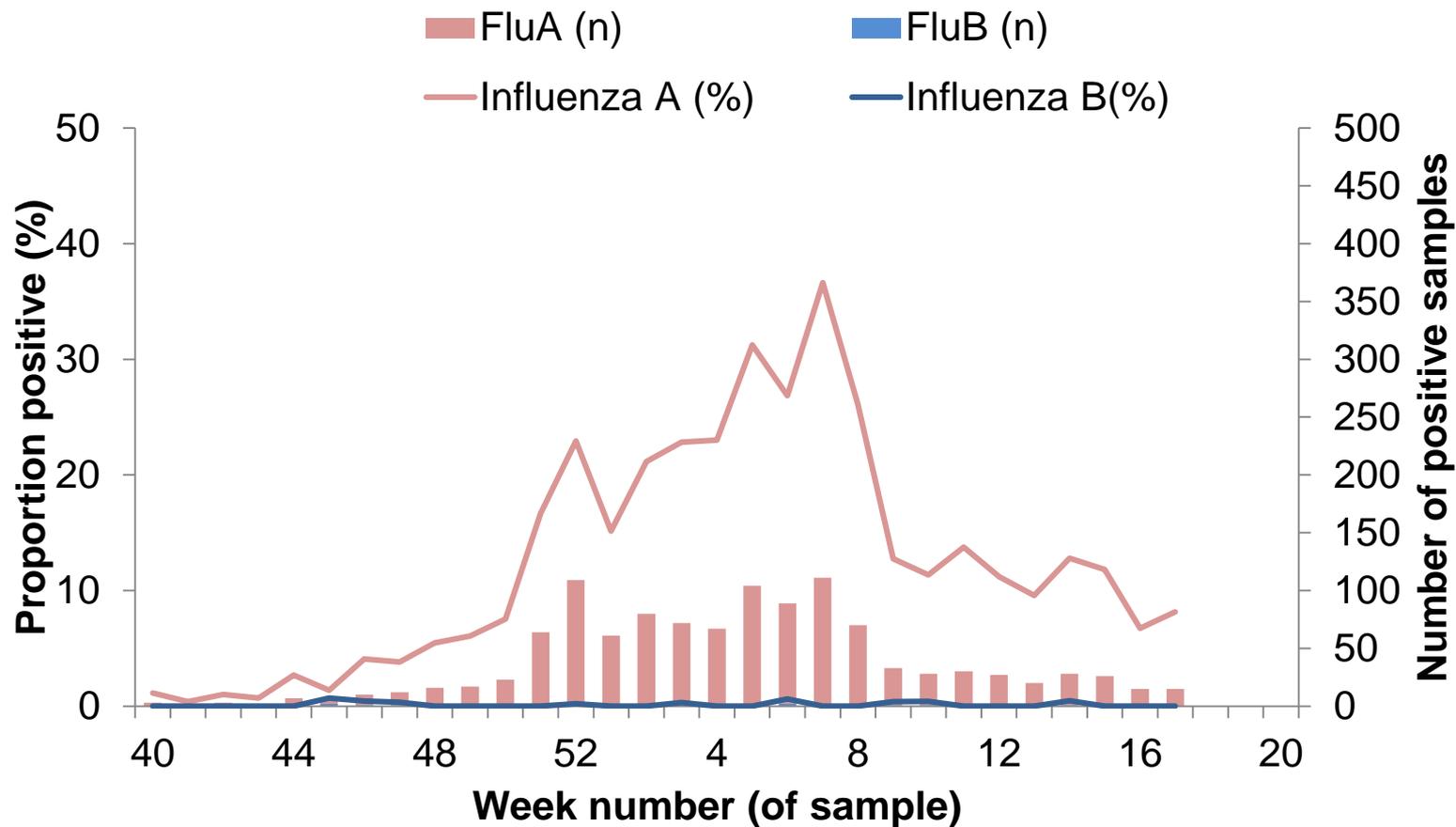
DataMart: Number and proportion of samples positive for influenza, by type, PHE North West of England
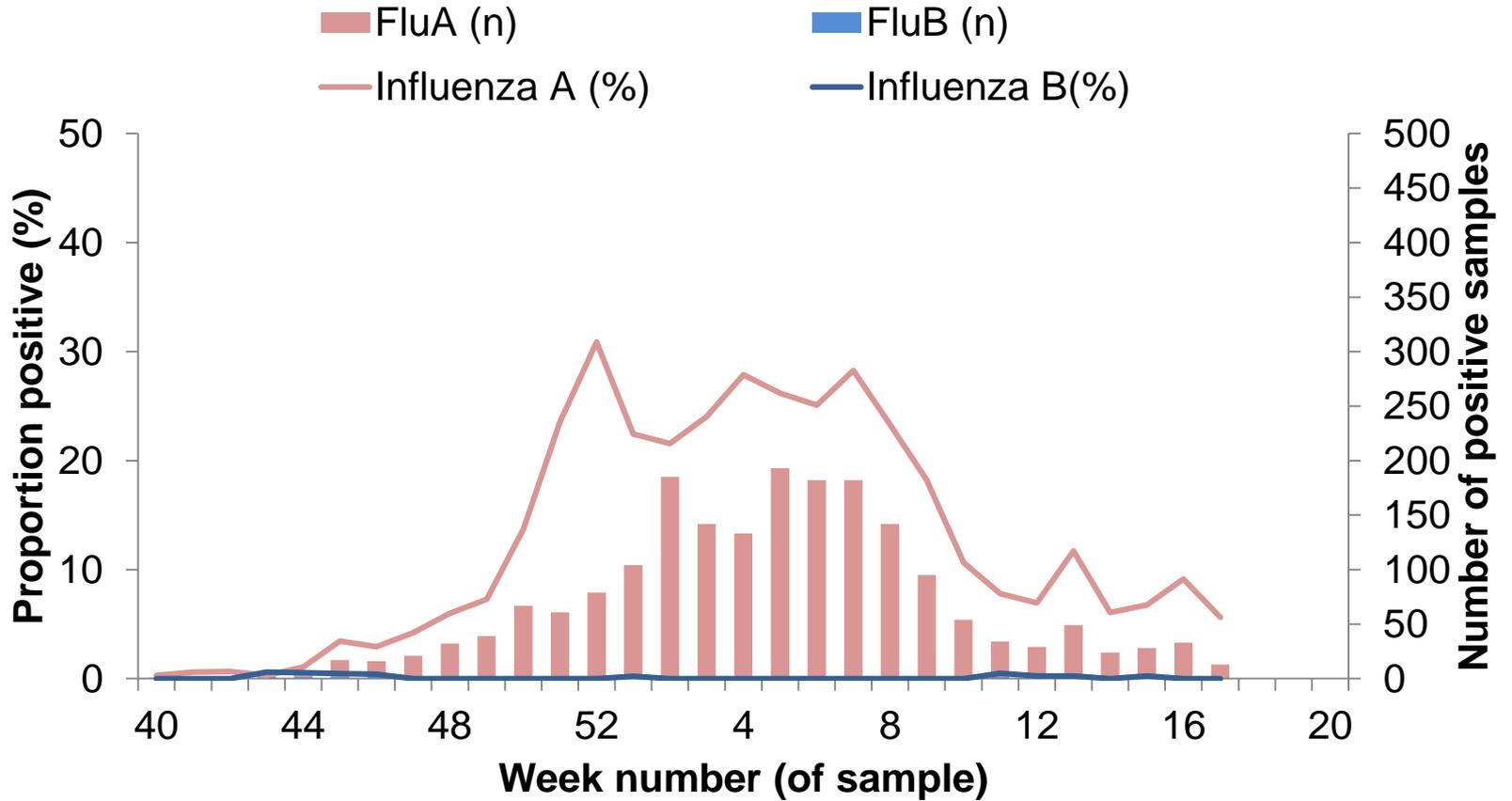
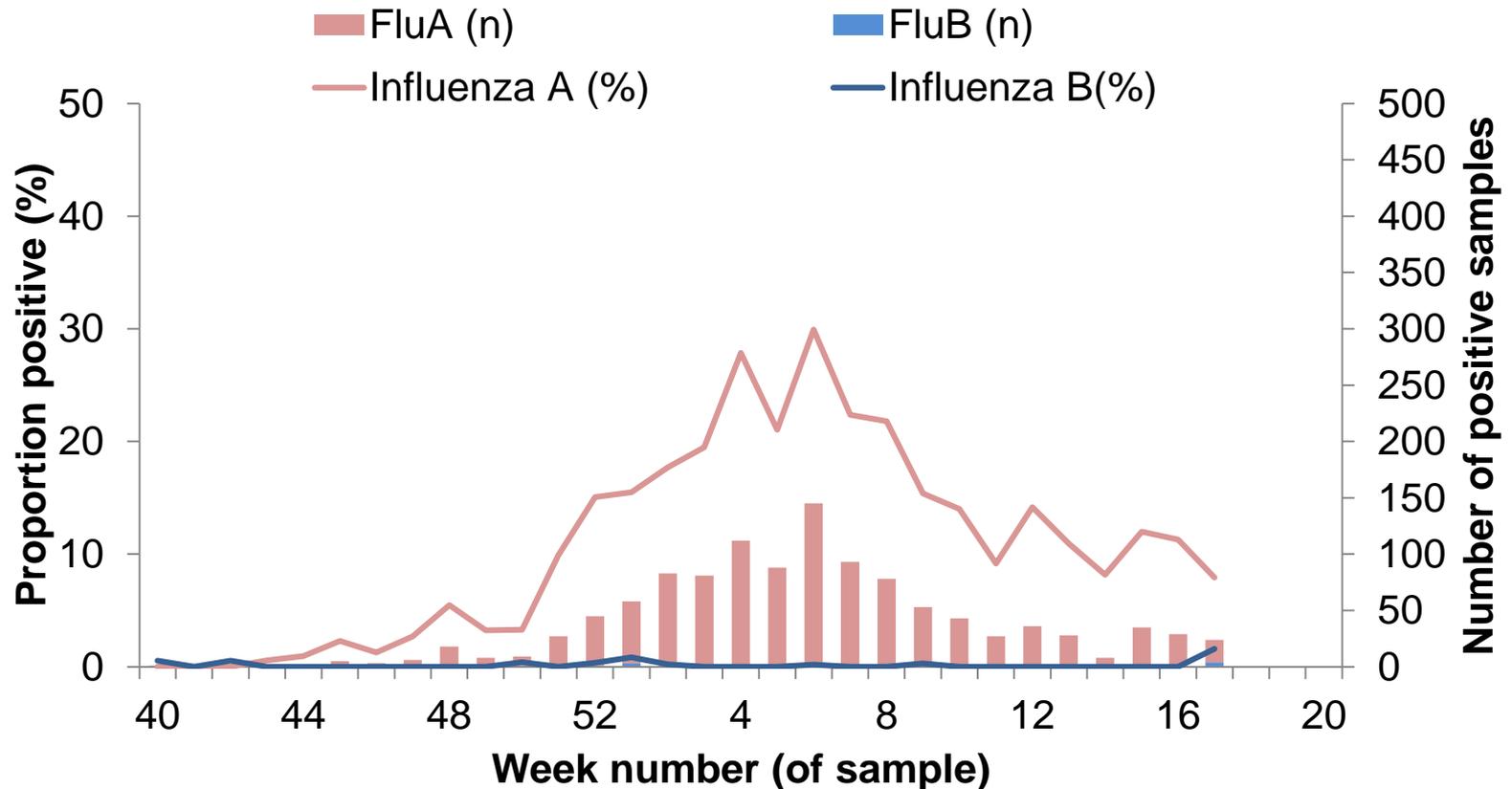DataMart: Number and proportion of samples positive for influenza, by type, PHE Yorkshire and Humber

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Legend: FluA (n), FluB (n), Influenza A (%), Influenza B(%)

X-axis: Week number (of sample)
Left Y-axis: Proportion positive (%)
Right Y-axis: Number of positive samples

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

Legend: FluA (n), FluB (n), Influenza A (%), Influenza B(%)

Y-axis (left): Proportion positive (%)
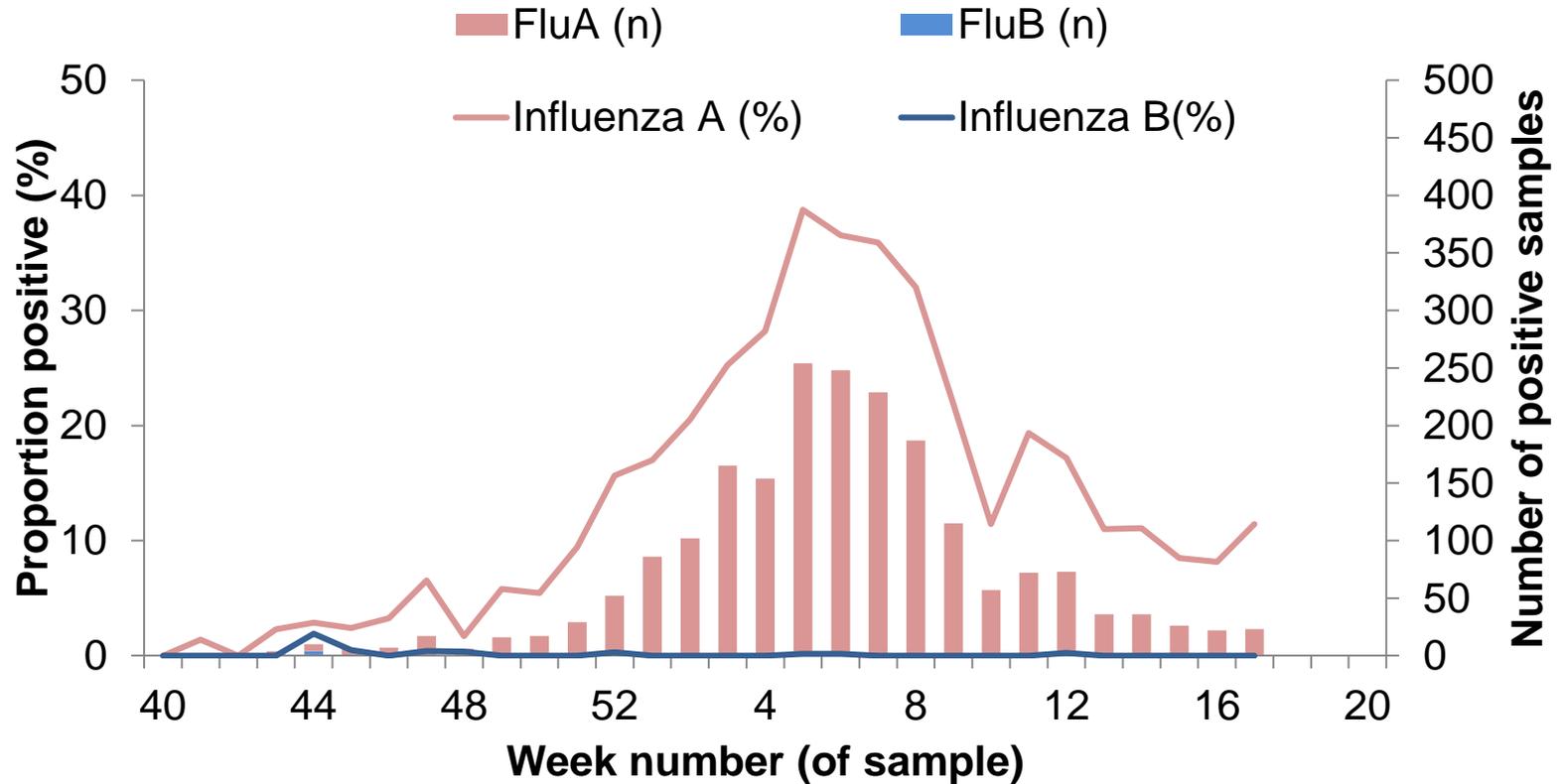Y-axis (right): Number of positive samples
X-axis: Week number (of sample)

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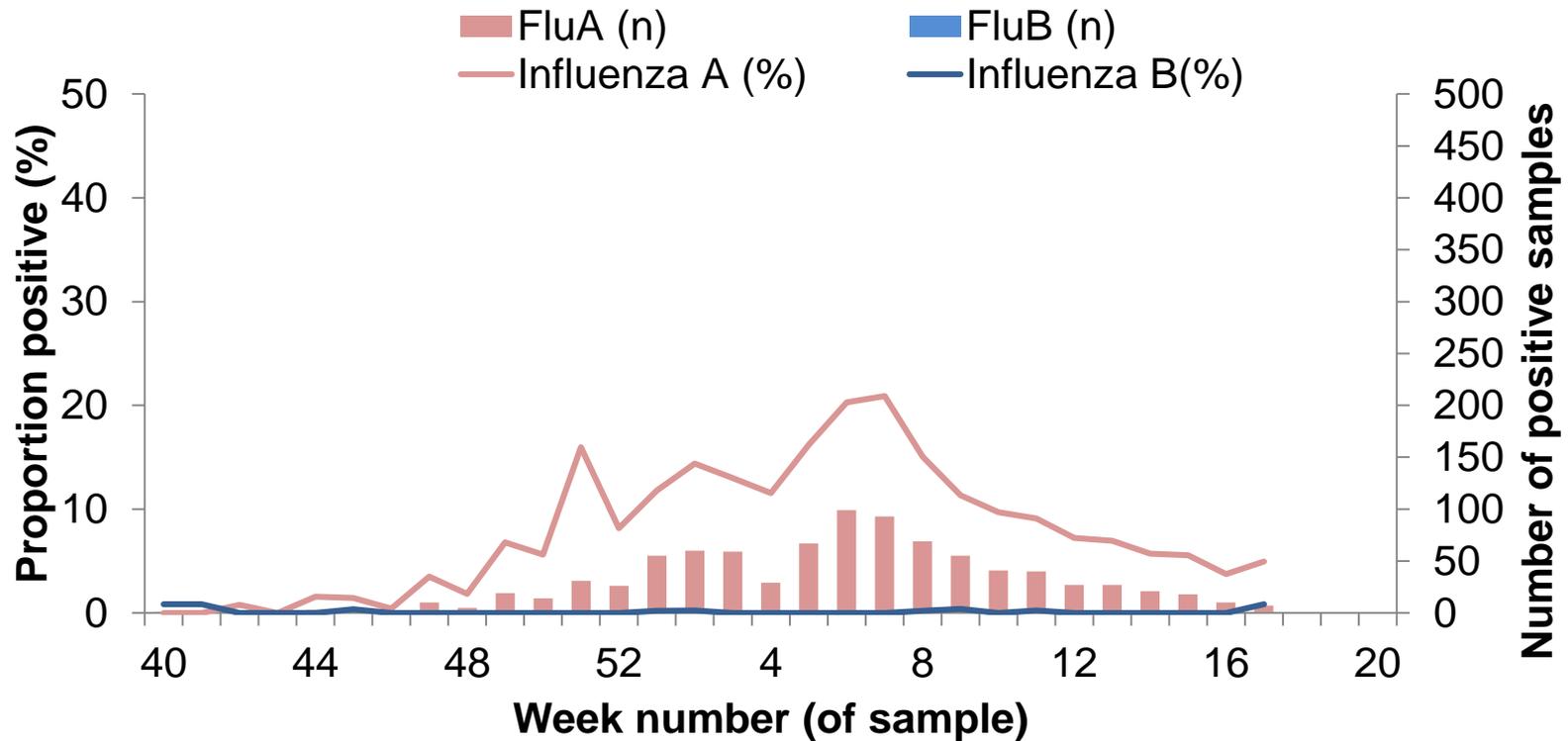
DataMart: Number and proportion of samples positive for influenza, by type, PHE East of England
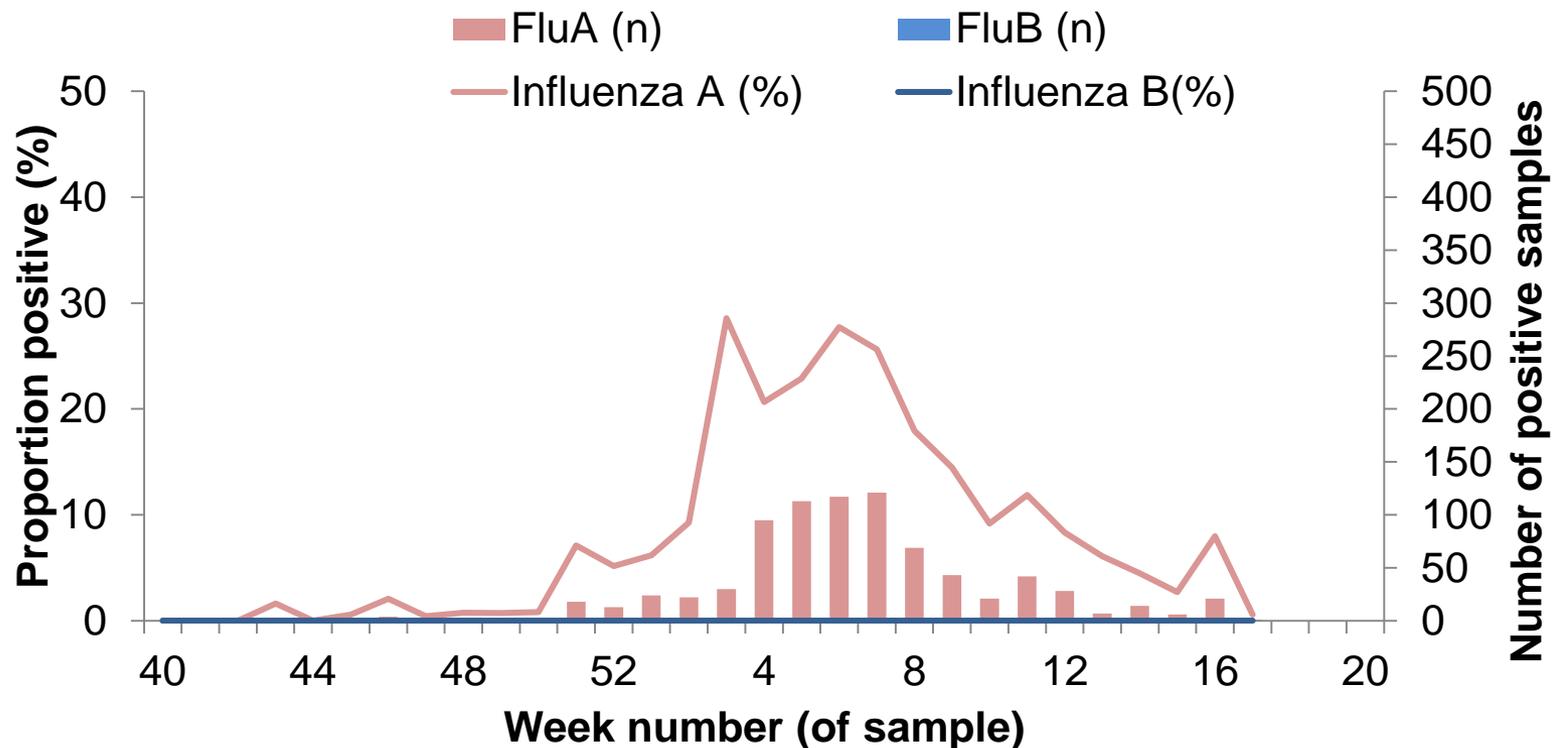
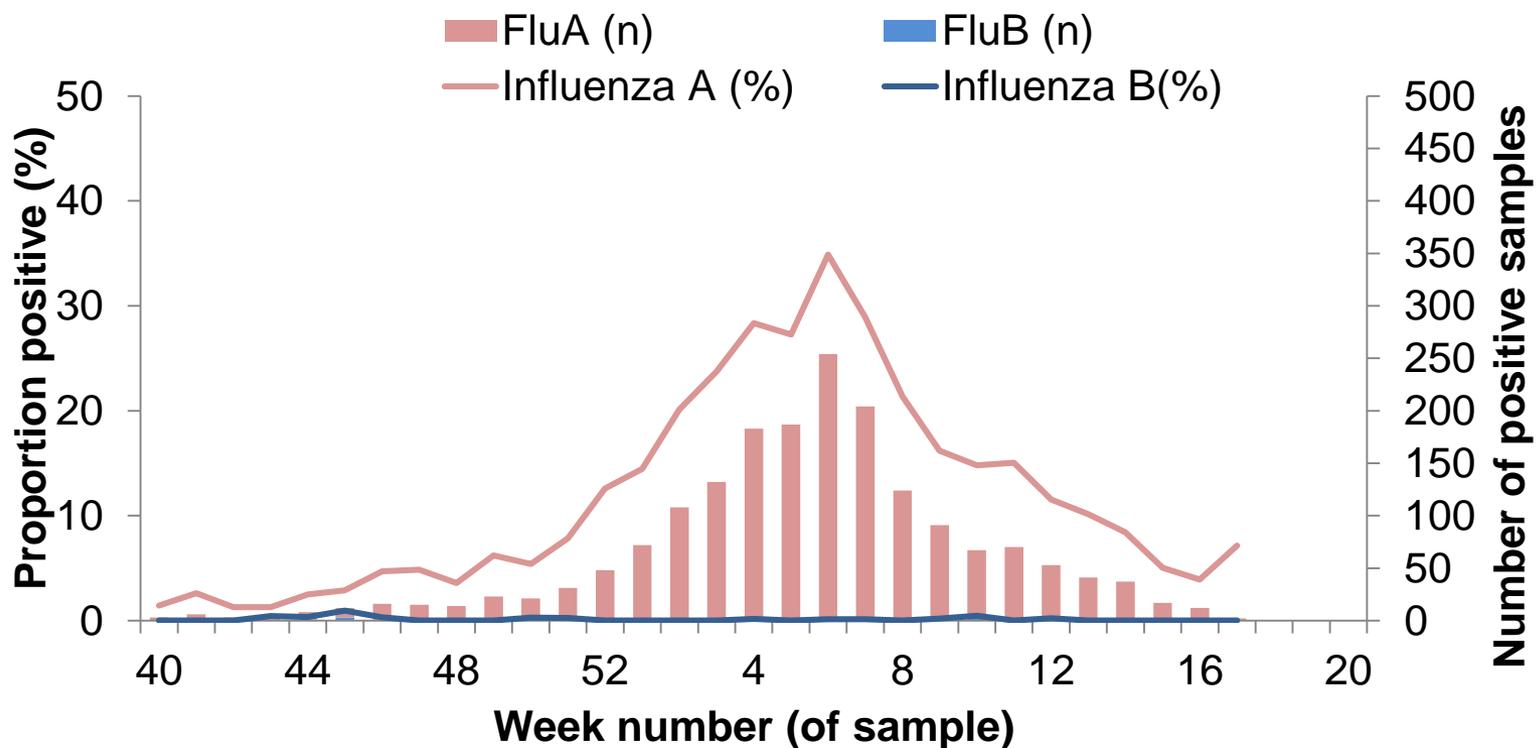# DataMart: Number and proportion of samples positive for influenza, by type, PHE London

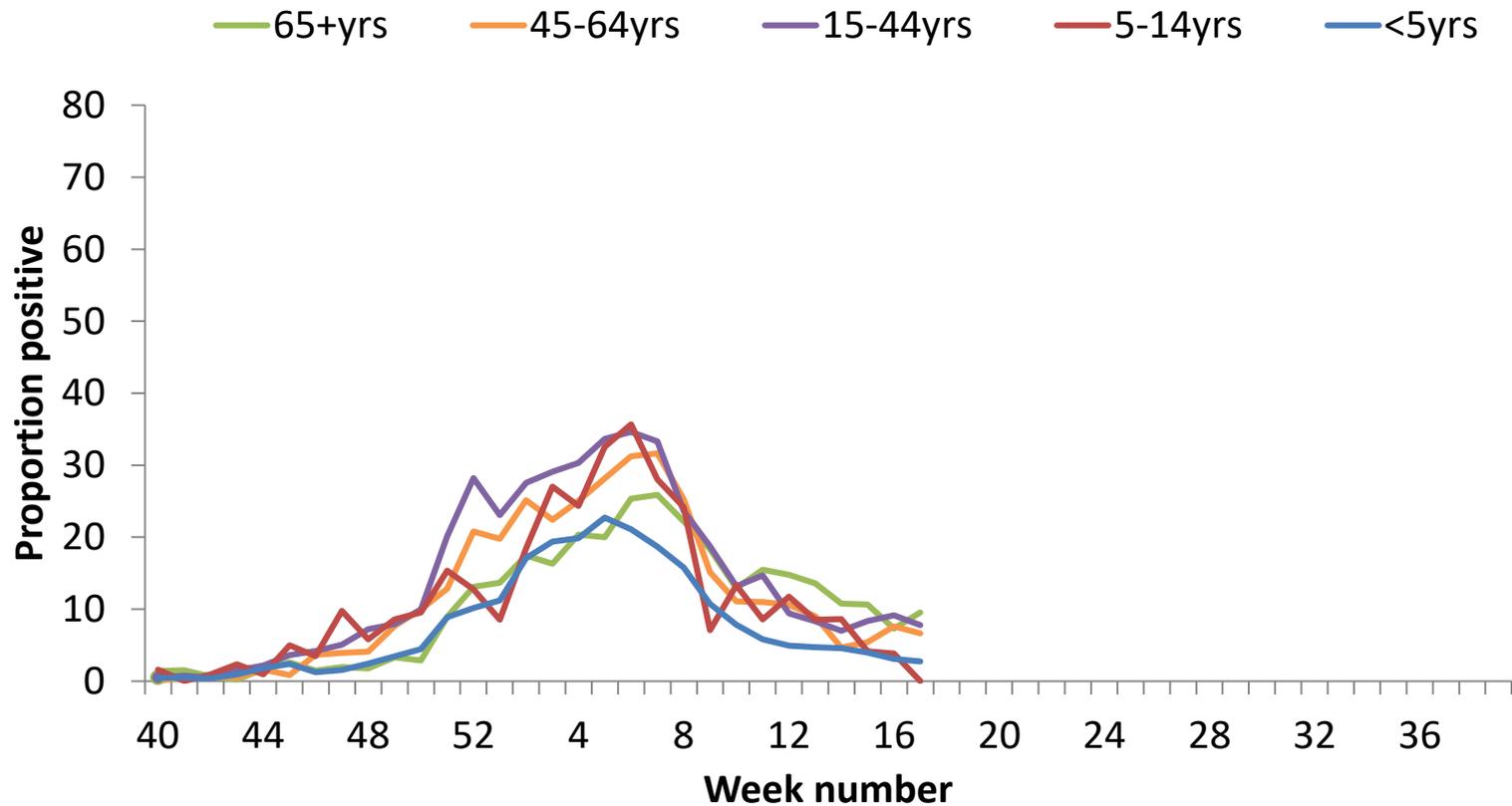DataMart: Number and proportion of samples positive for influenza, by type, PHE South East of England

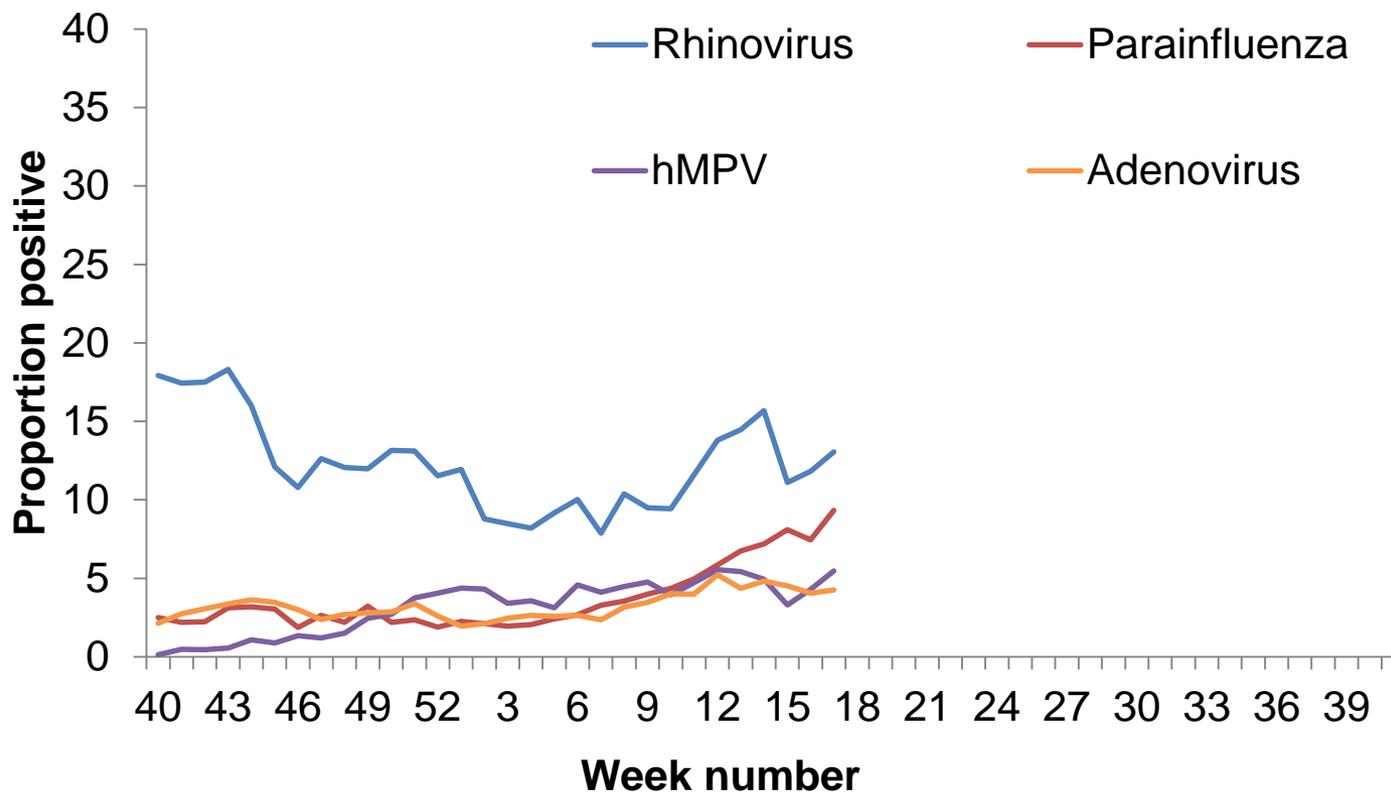DataMart: Number and proportion of samples positive for influenza, by type, PHE South West of England

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

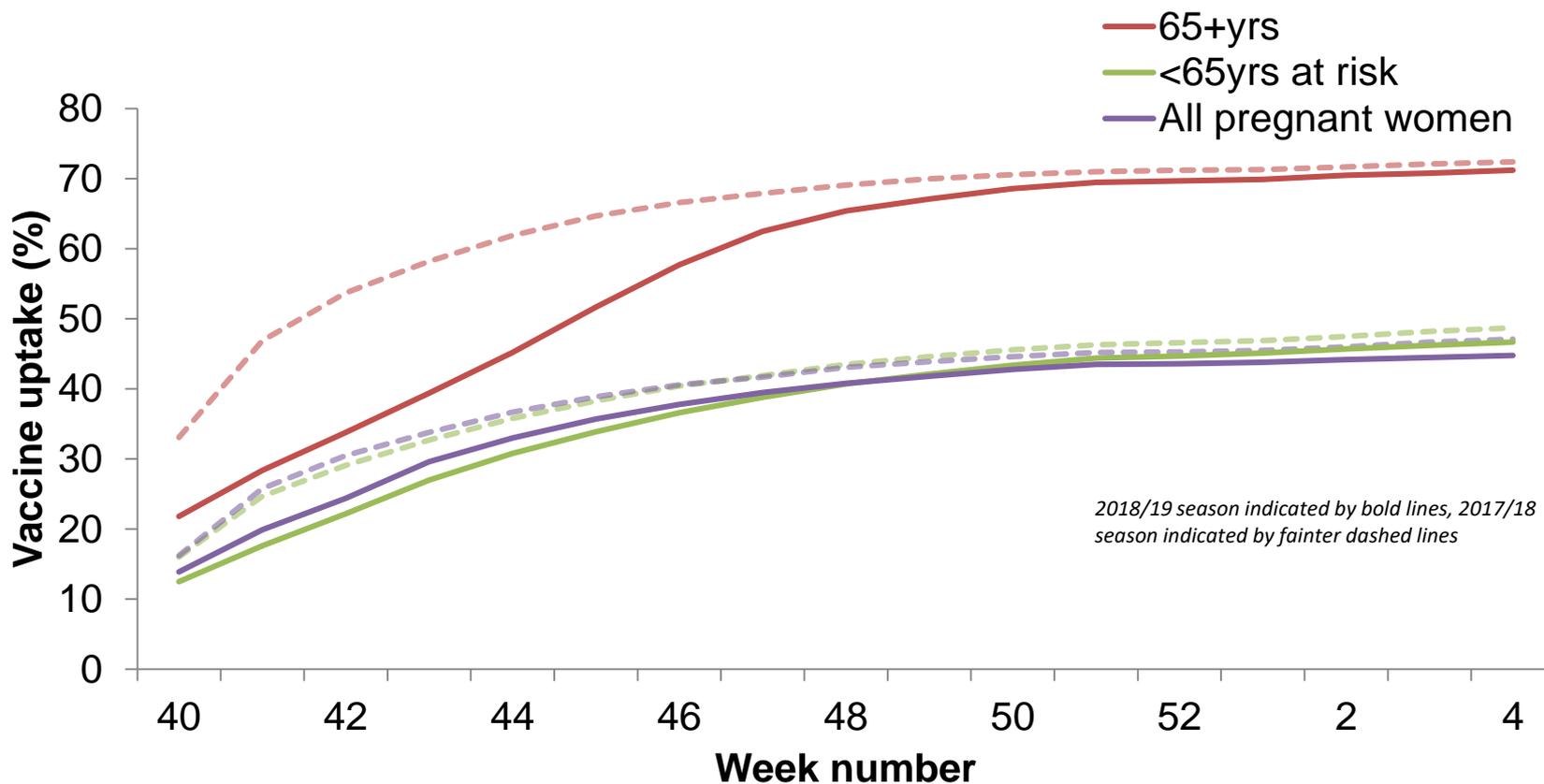# DataMart: Proportion of samples positive for other viruses
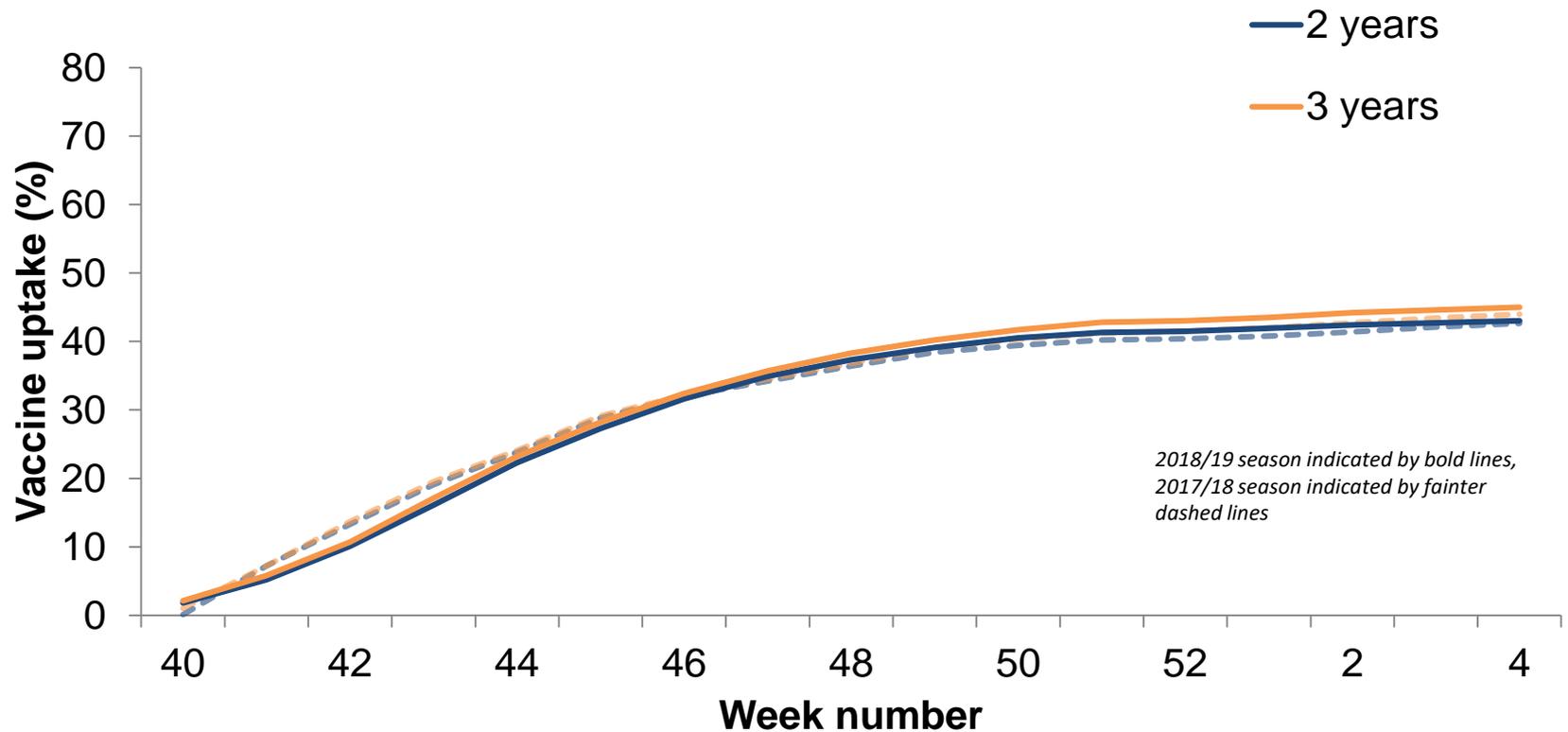

Public Health England

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