Public Health England

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

→ NEXT

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Community influenza surveillance

Return to main menu

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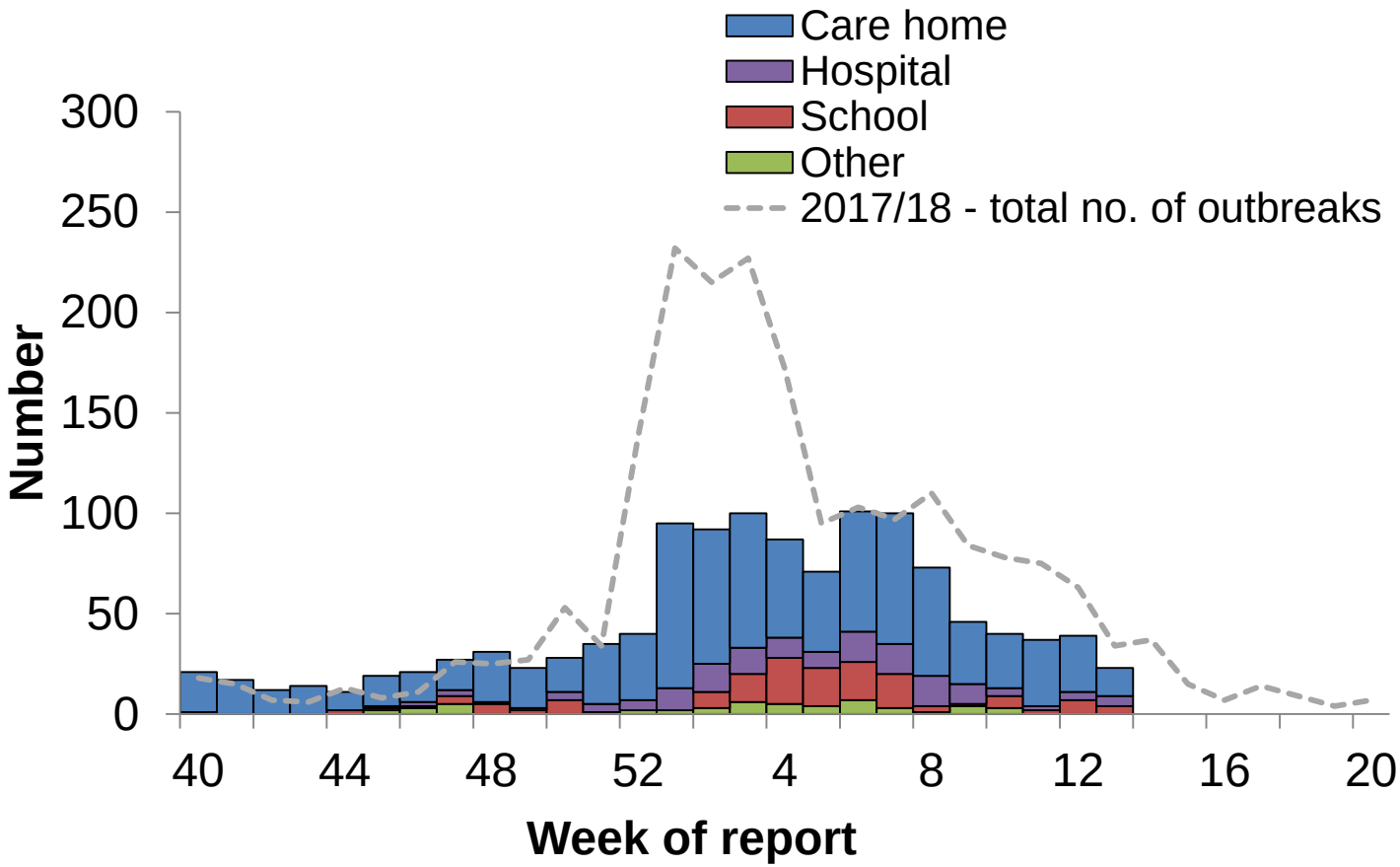
Number of acute respiratory outbreaks by institution, UK



Return to main menu

Public Health England

Number of acute respiratory outbreaks by PHE Centre

	Outbreaks reported in week 13	Cumulative number of outbreaks since week 40
PHE North East	0	36
PHE North West	2	173
PHE Yorkshire and Humber	1	87
PHE East Midlands	6	122
PHE West Midlands	1	123
PHE East of England	1	182
PHE London	1	57
PHE South East	2	173
PHE South West	5	185

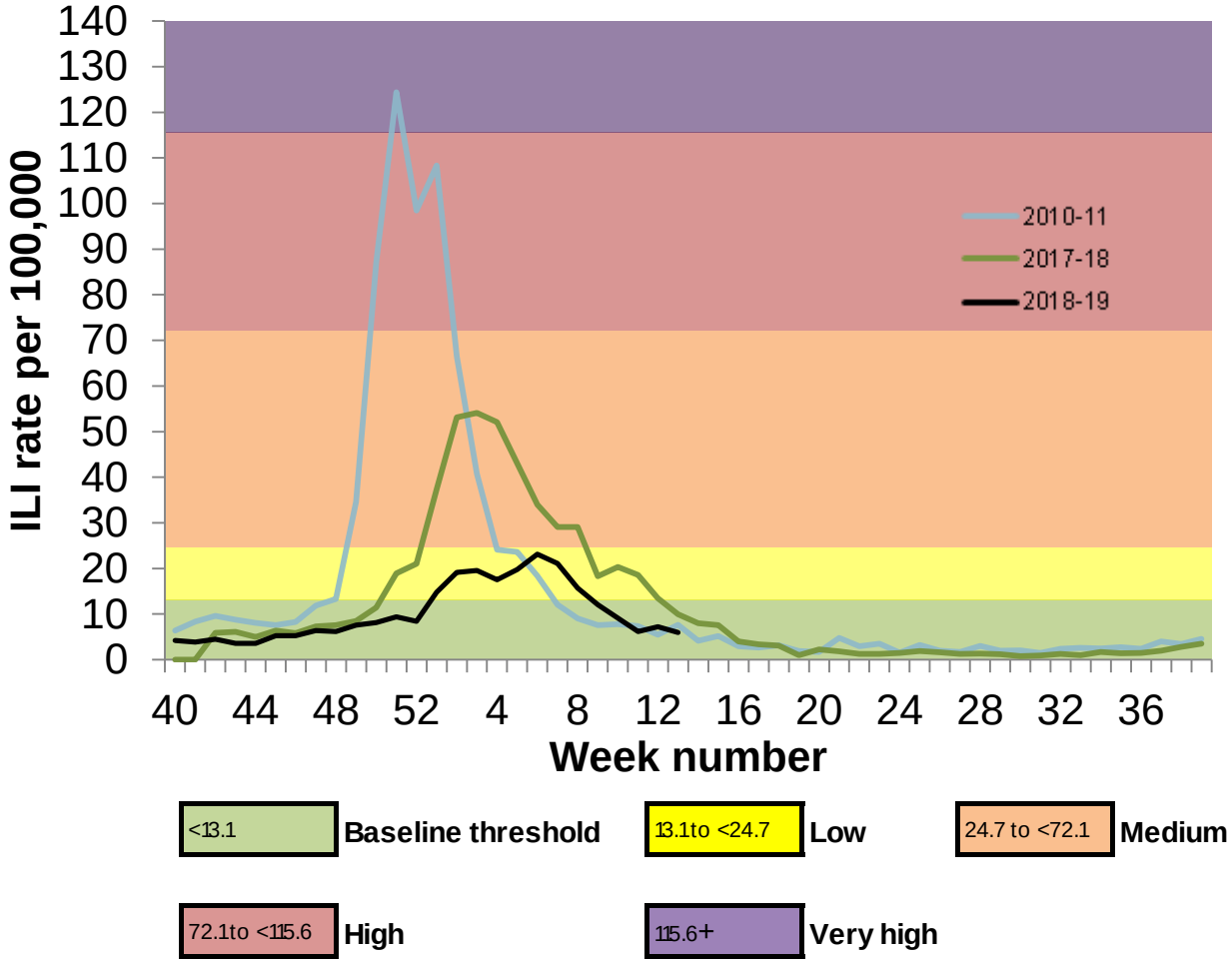
Public Health England

Influenza-like illness GP consultation rates

Return to main menu

Public Health England

RCGP ILI consultation rate, England



Return to main menu

Public Health 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	5	6	7	8	9	10	11	12	13
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
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
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	7.3	4.7
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

**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 .*

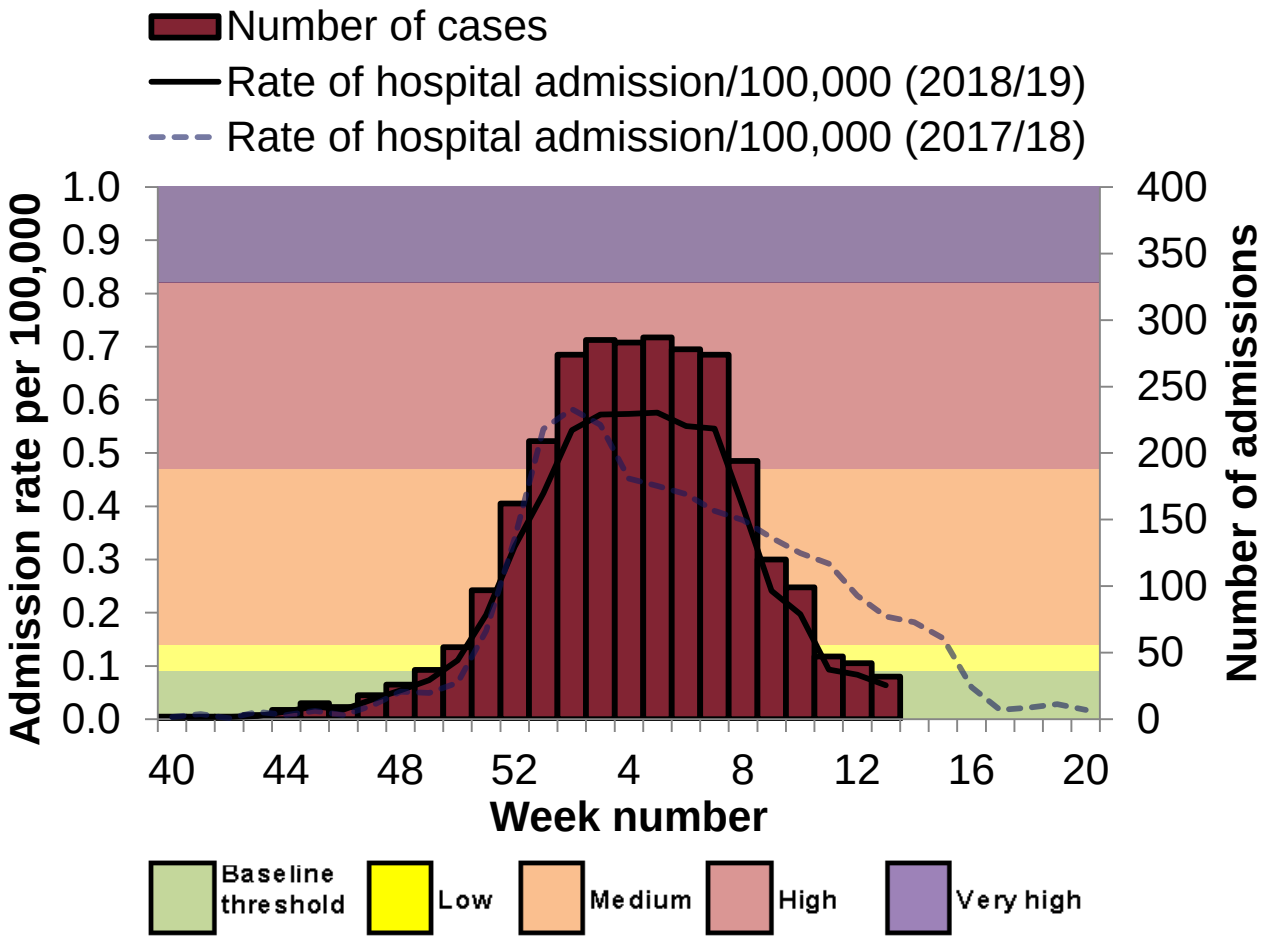
Public Health England

Influenza-confirmed hospitalisations

Return to main menu

Public Health England

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

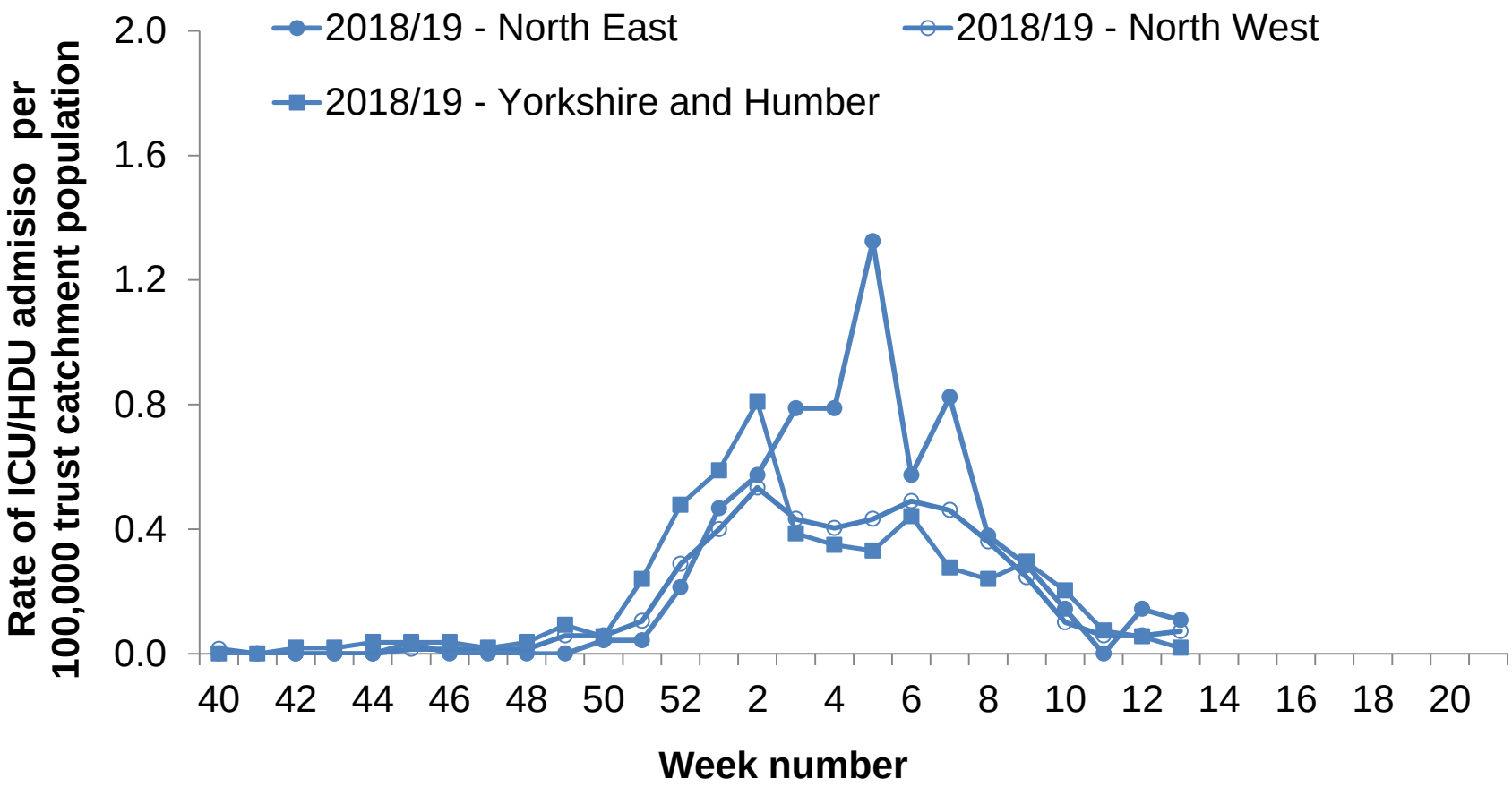


**The Moving Epidemic Method (MEM) has been adopted by the European Centre for Disease Prevention and Control to calculate thresholds for ICU/HDU admission rates for the start of influenza activity (based on 6 seasons) in a standardised approach across Europe. For MEM threshold values, please visit: https://www.gov.uk/guidance/sources-of-uk-flu-data-influenza-surveillance-in-the-uk#disease-severity-and-mortality-data*

Return to main menu

Public Health England

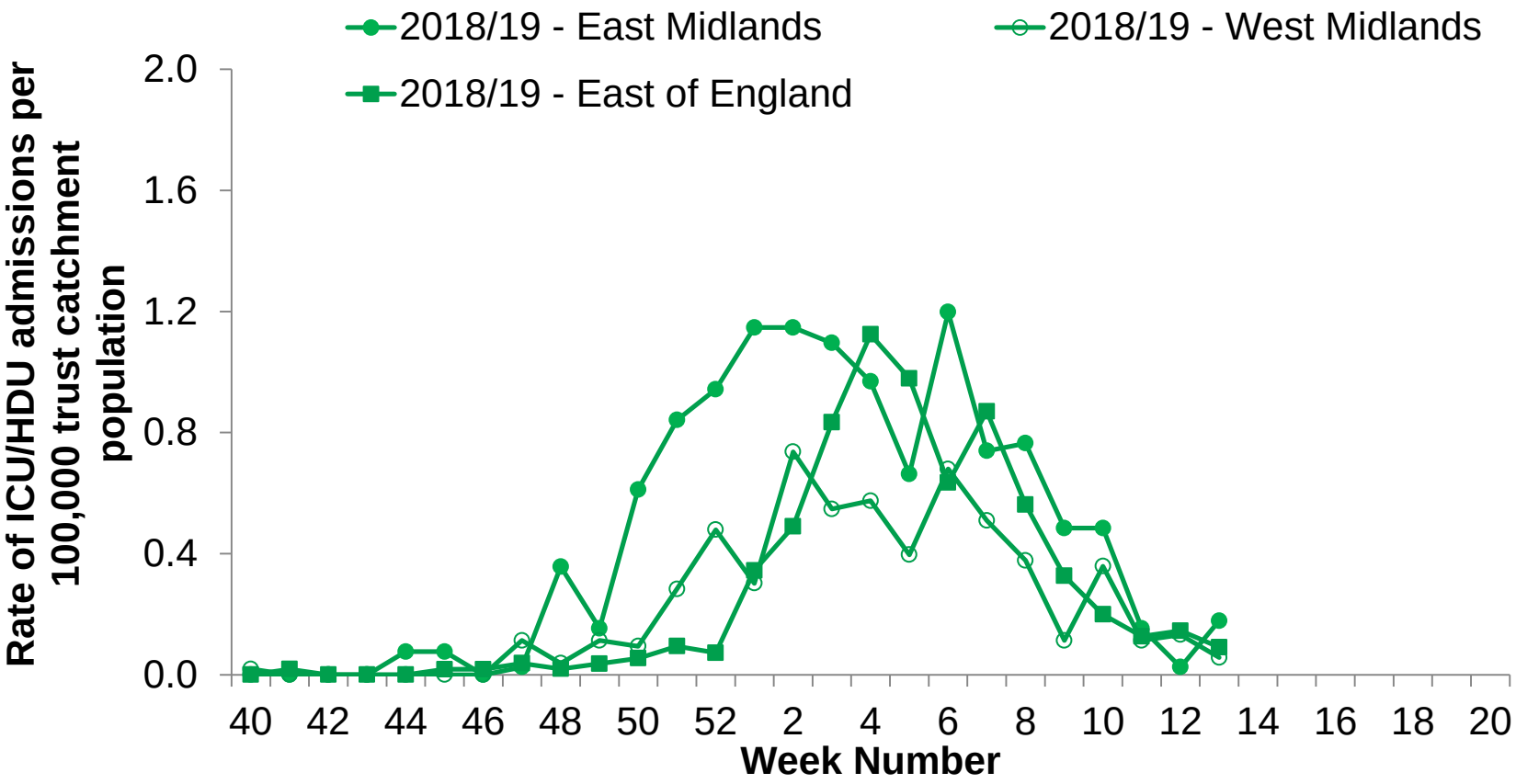
Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population by PHE Centre, North East, North West and Yorkshire and Humber, since week 40 2018



Return to main menu

Public Health England

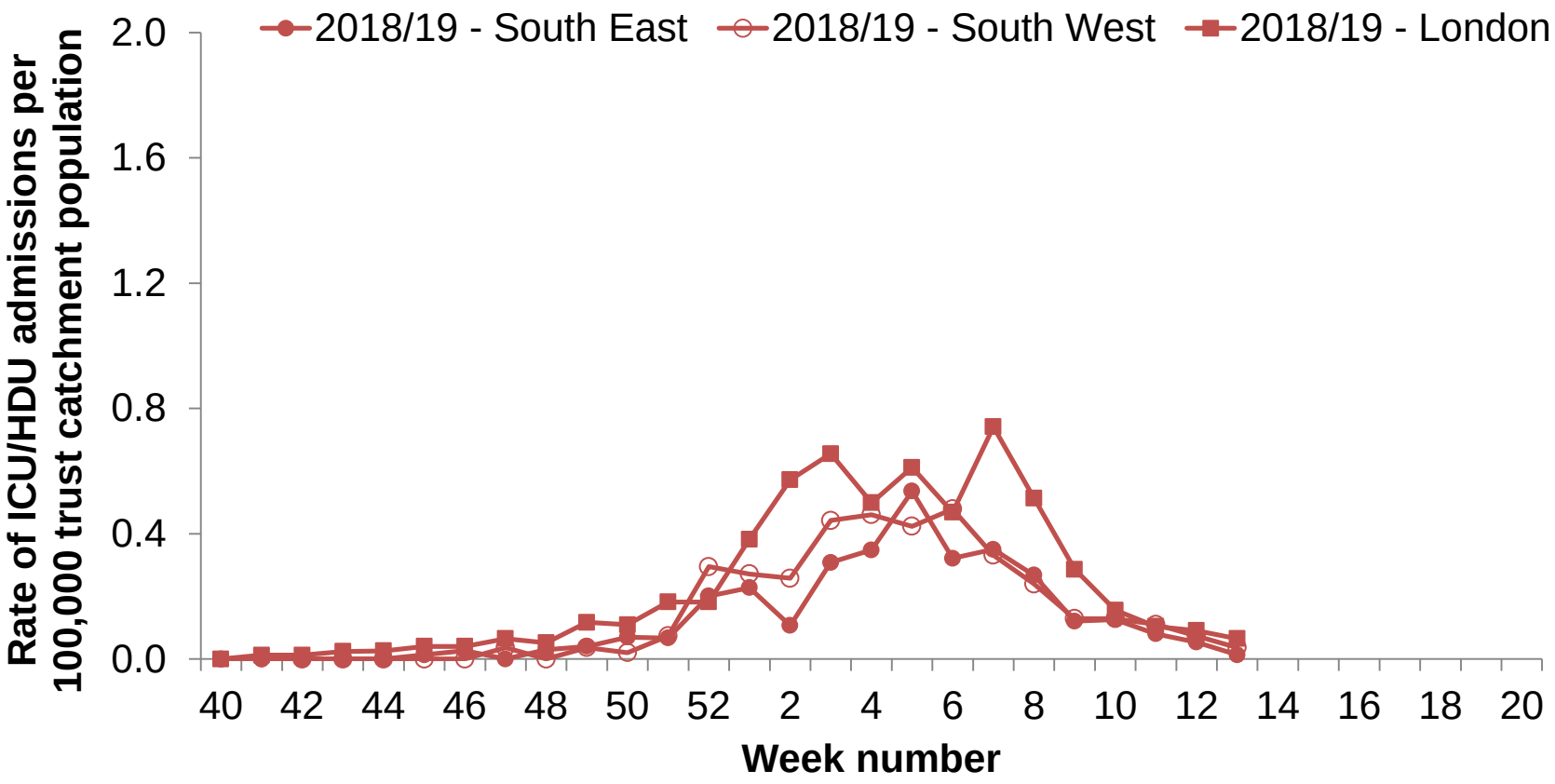
Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population by PHE Centre, East Midlands, West Midlands and East of England since week 40 2018



Return to main menu

Public Health England

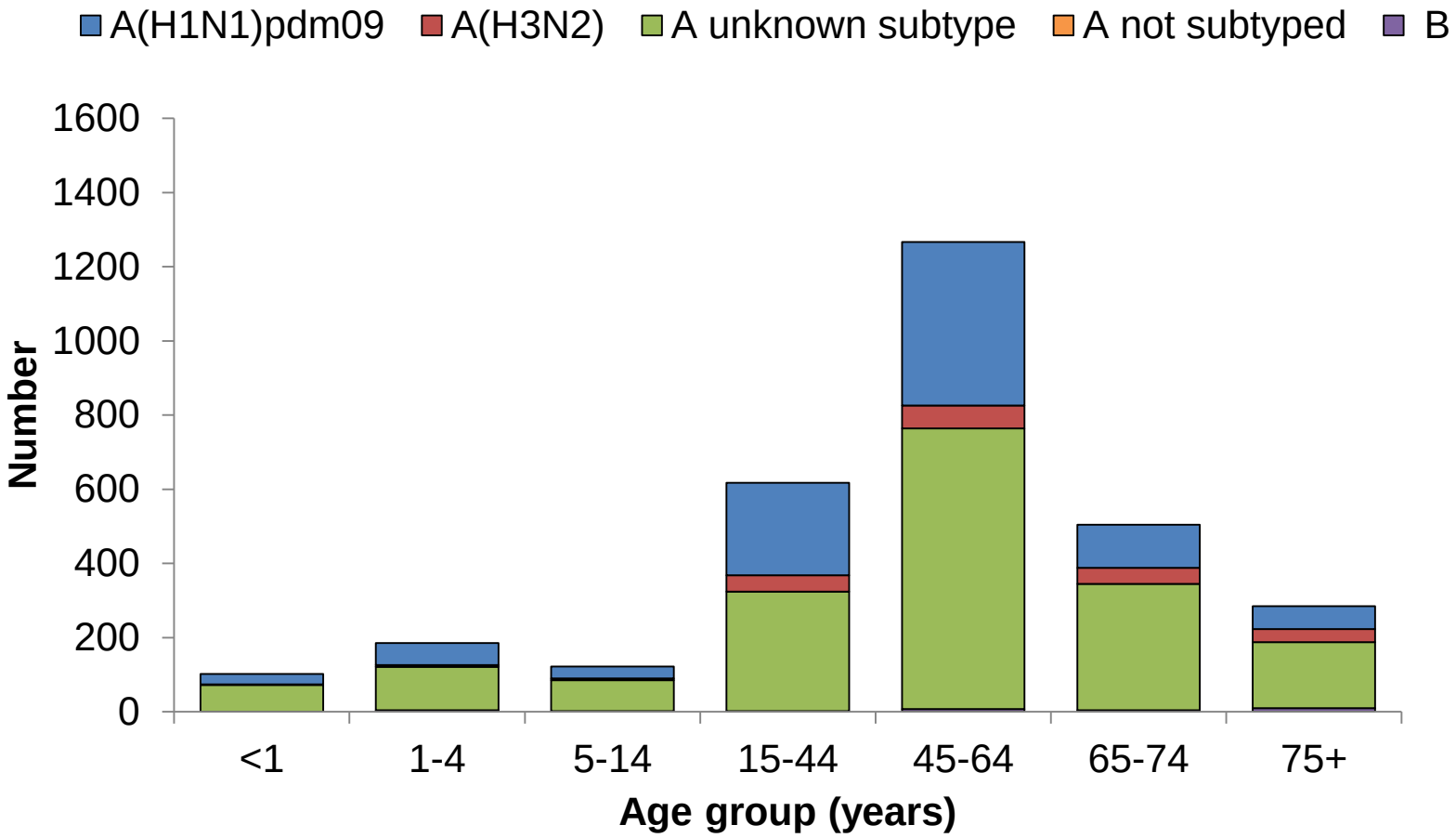
Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population by PHE Centre, South East, South West and London, since week 40 2018



Return to main menu

Public Health England

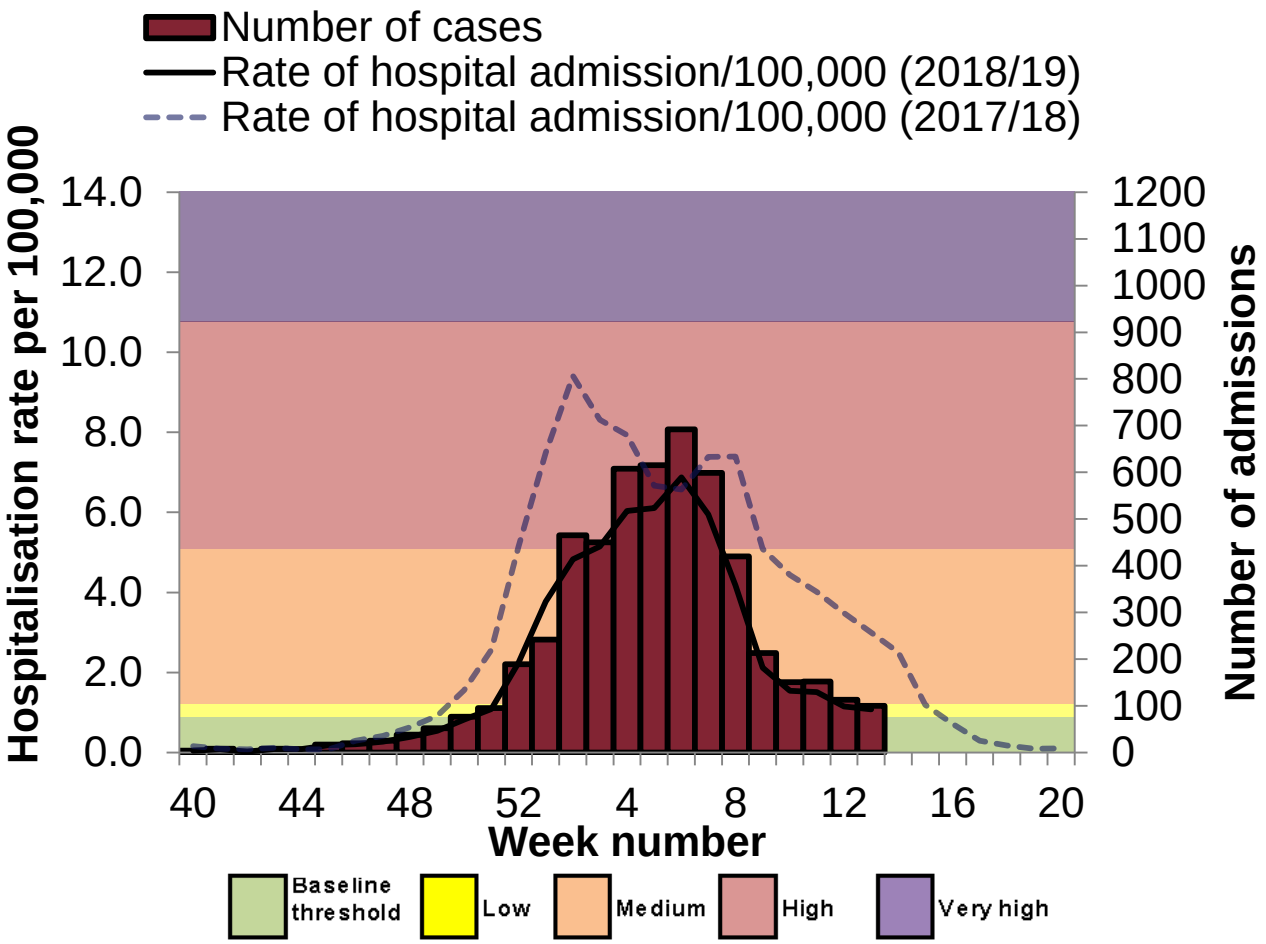
Influenza confirmed ICU admissions (USISS mandatory) by age and influenza subtype, since week 40 2018



Return to main menu

Public Health England

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

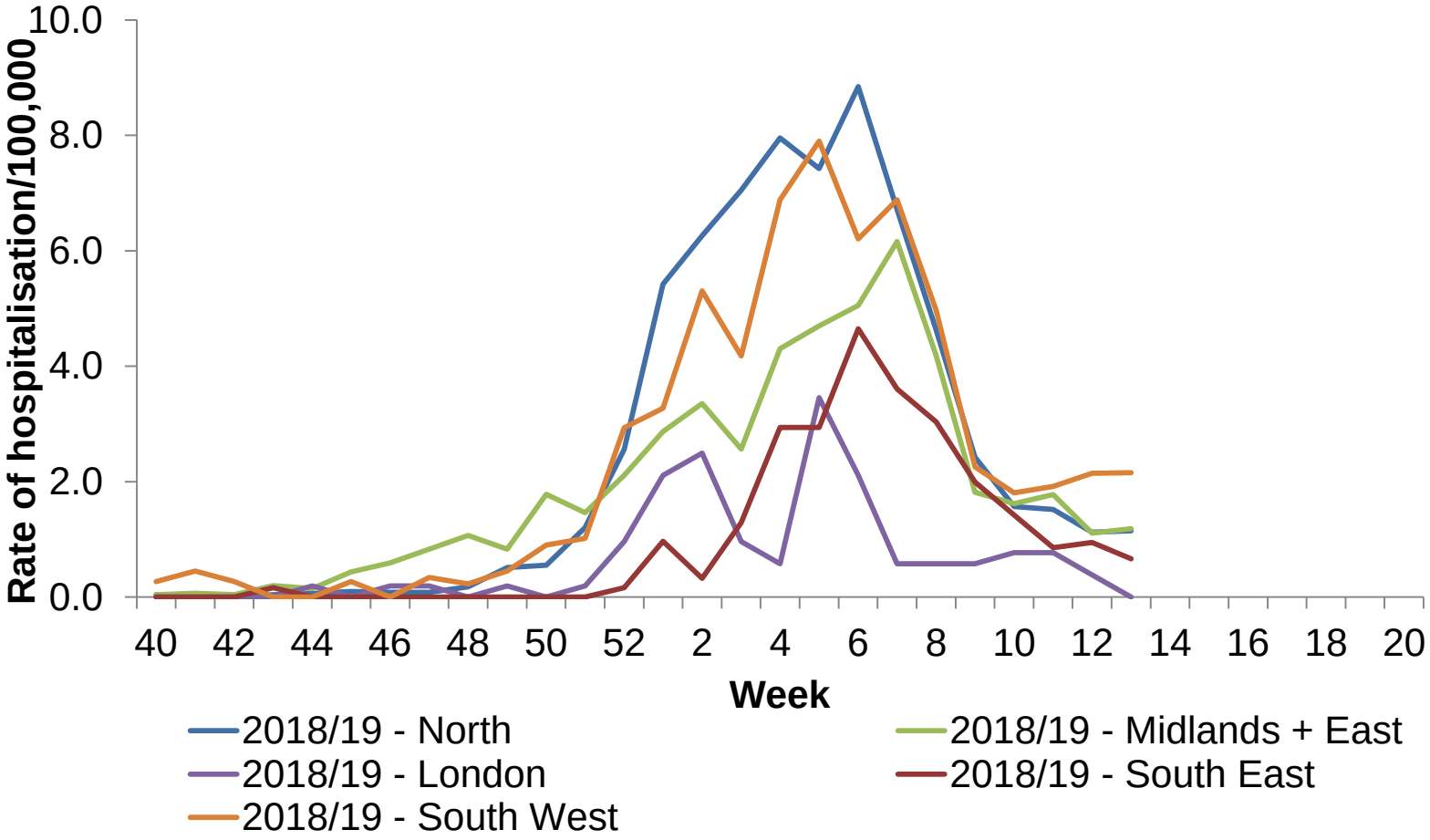


**The Moving Epidemic Method (MEM) has been adopted by the European Centre for Disease Prevention and Control to calculate thresholds for ICU/HDU admission rates for the start of influenza activity (based on 6 seasons) in a standardised approach across Europe. For MEM threshold values, please visit: https://www.gov.uk/guidance/sources-of-uk-flu-data-influenza-surveillance-in-the-uk#disease-severity-and-mortality-data*

Return to main menu

Public Health England

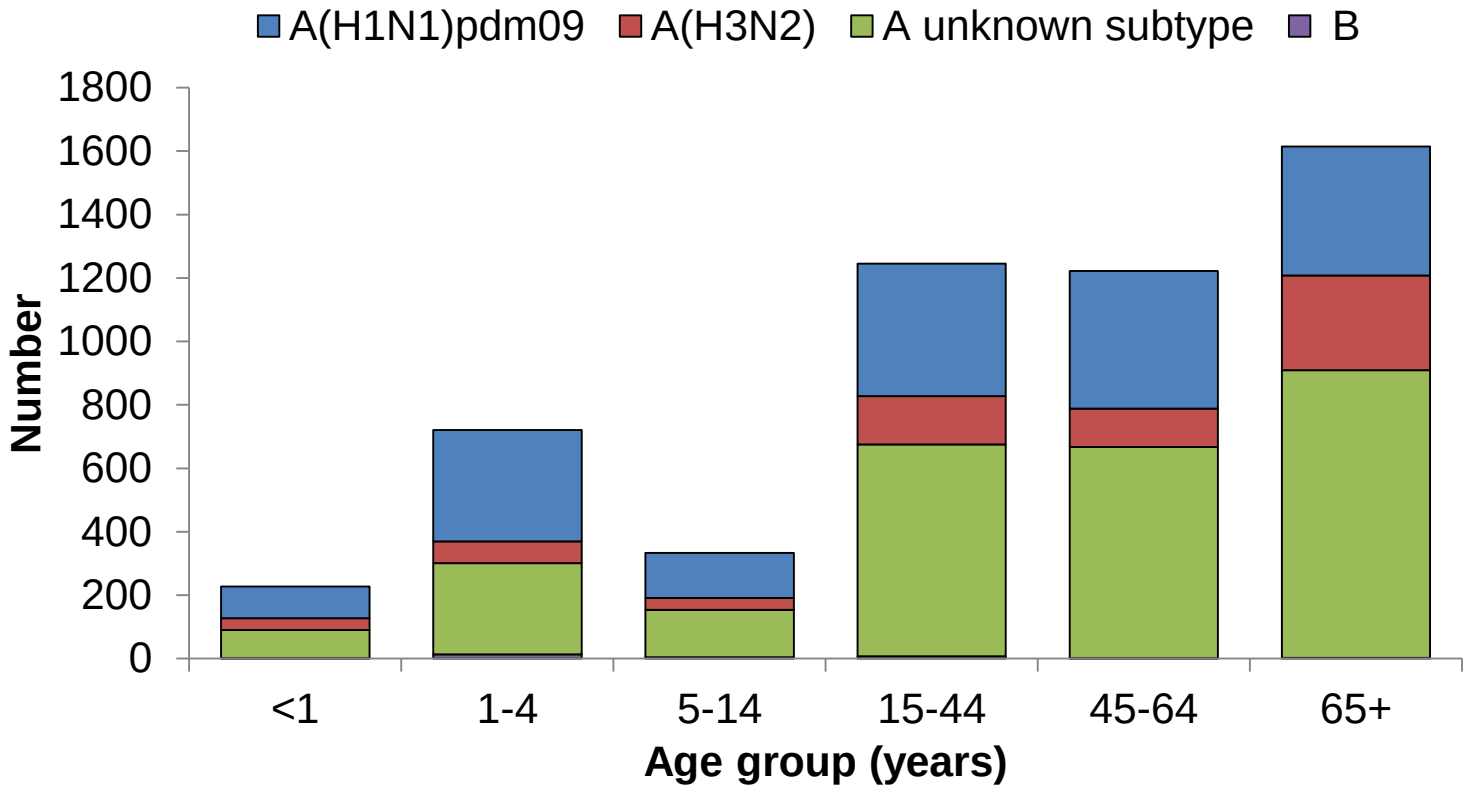
Weekly hospitalised influenza admission rate per 100,000 trust catchment population by PHE region, since week 40 2018



Return to main menu

Public Health England

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



Return to main menu

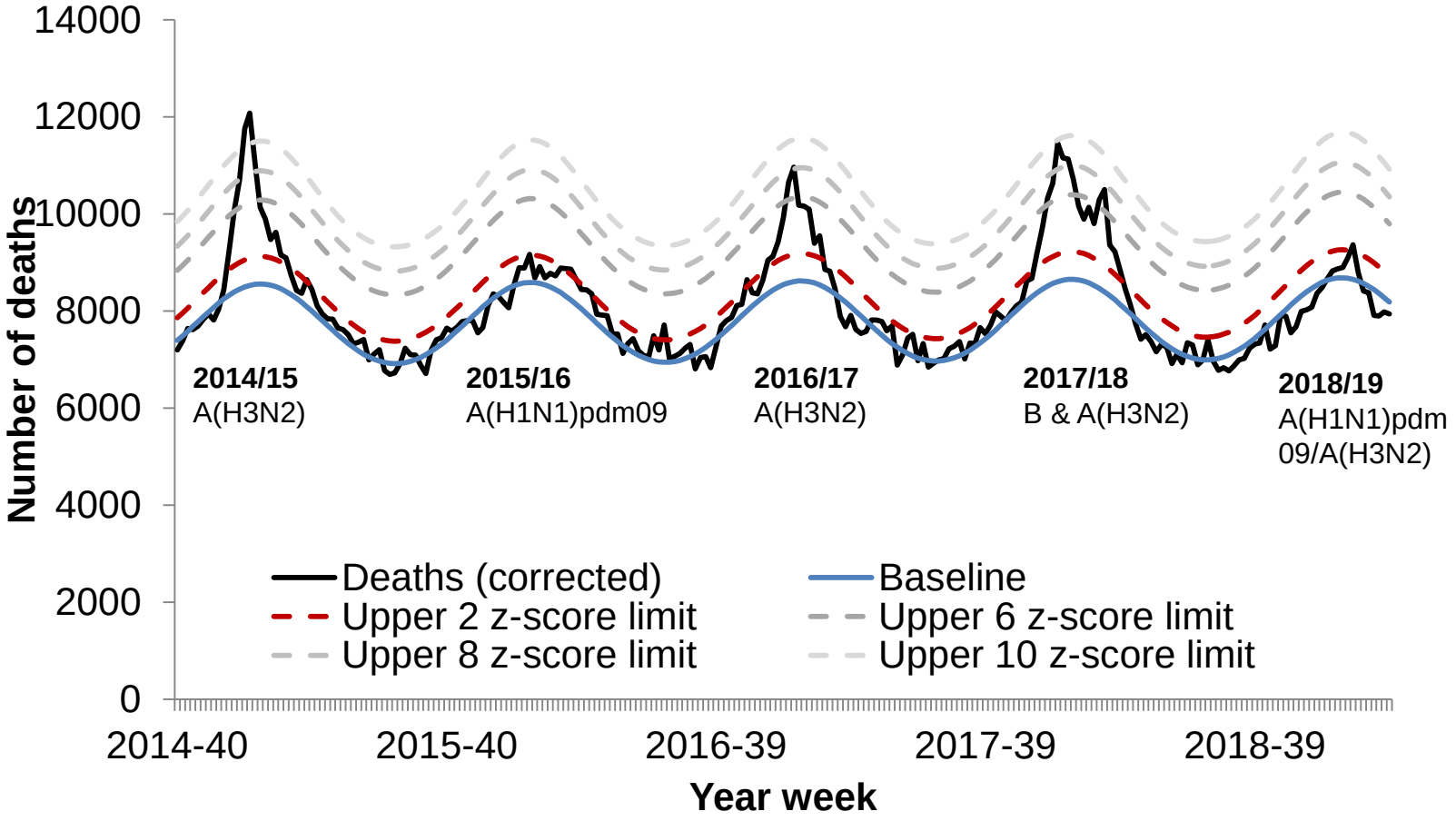
Public Health England

All-cause mortality

Return to main menu

Public Health England

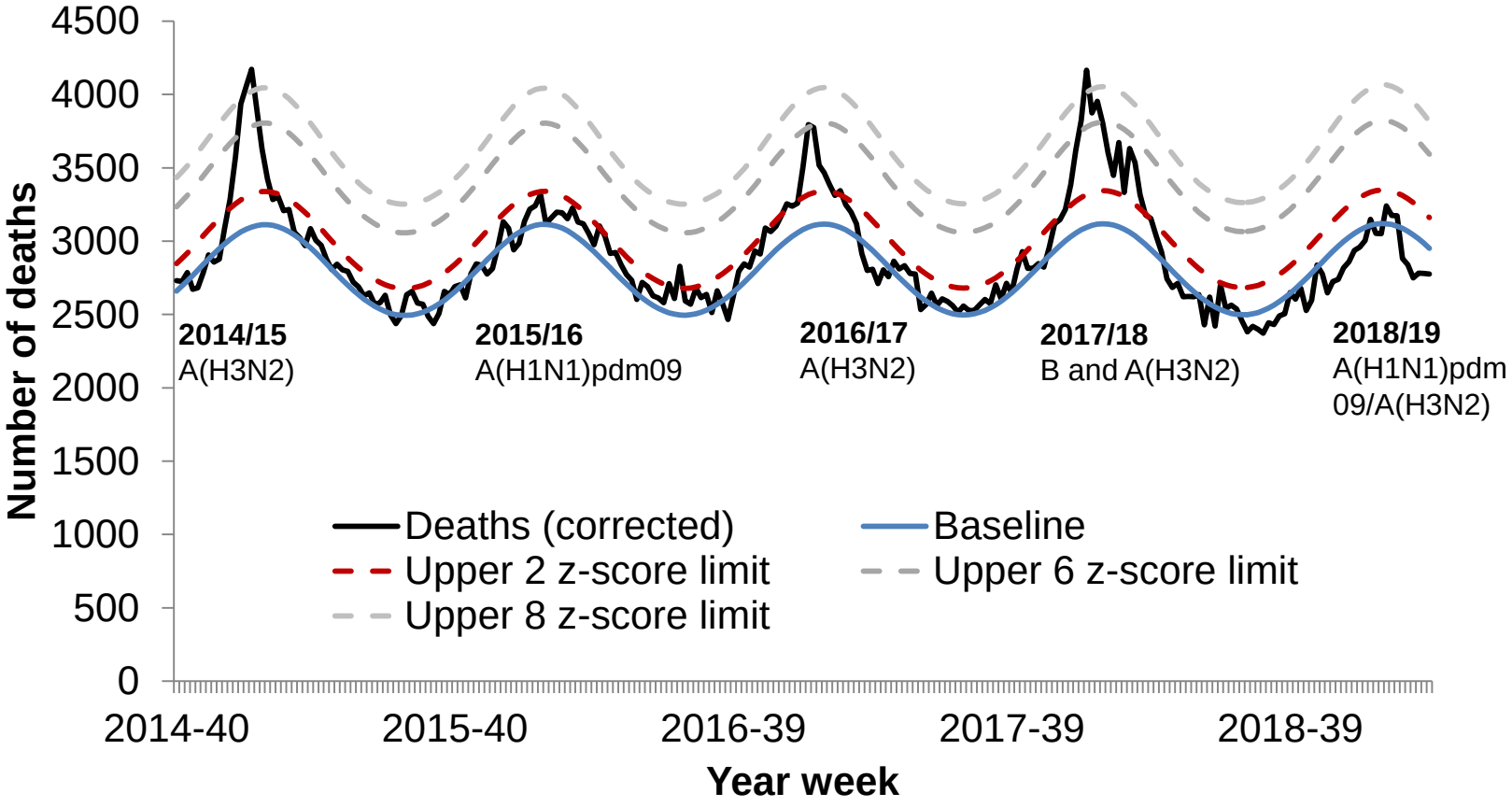
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in 65+ year olds, England



Return to main menu

Public Health England

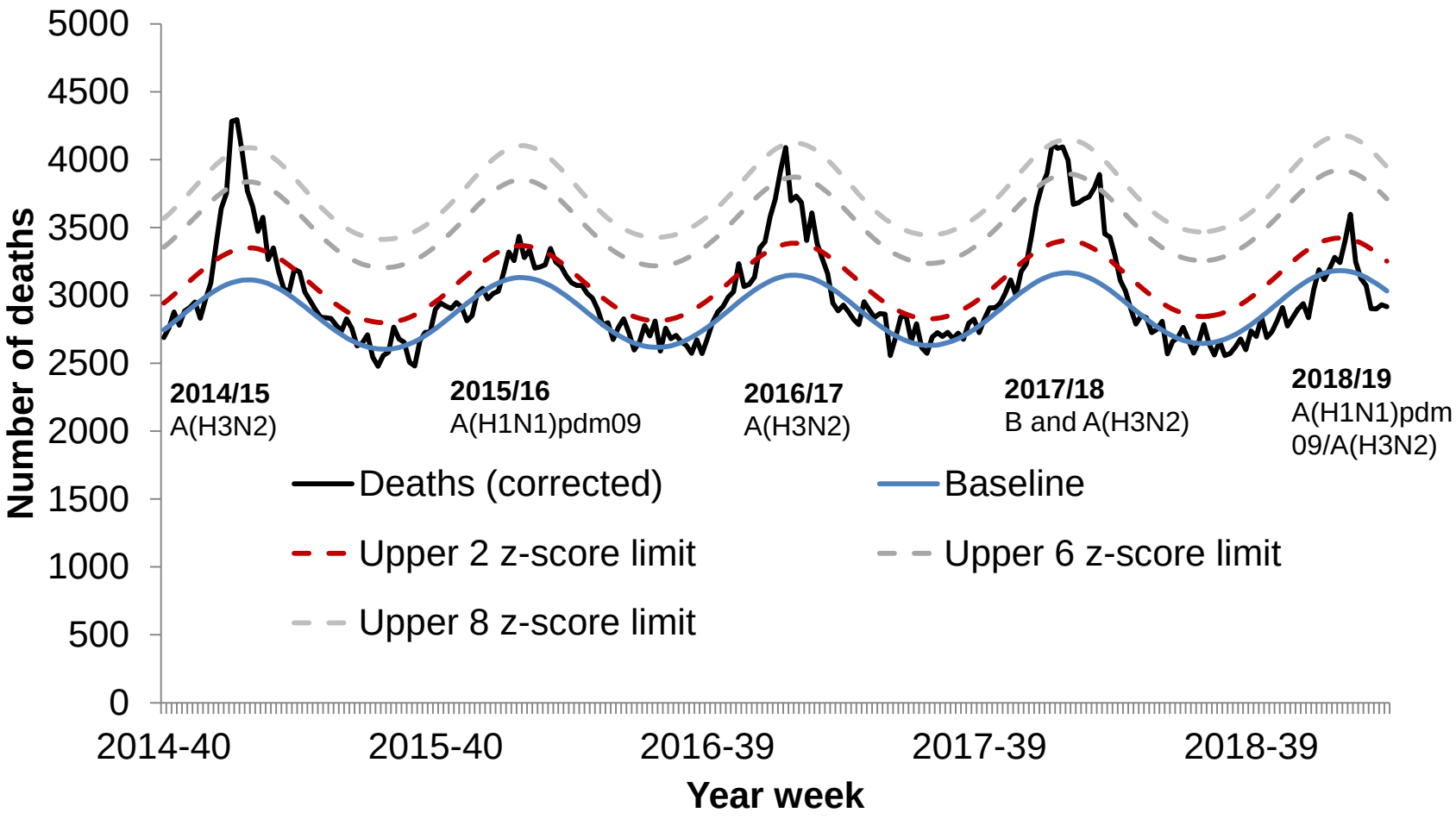
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE North of England



Return to main menu

Public Health England

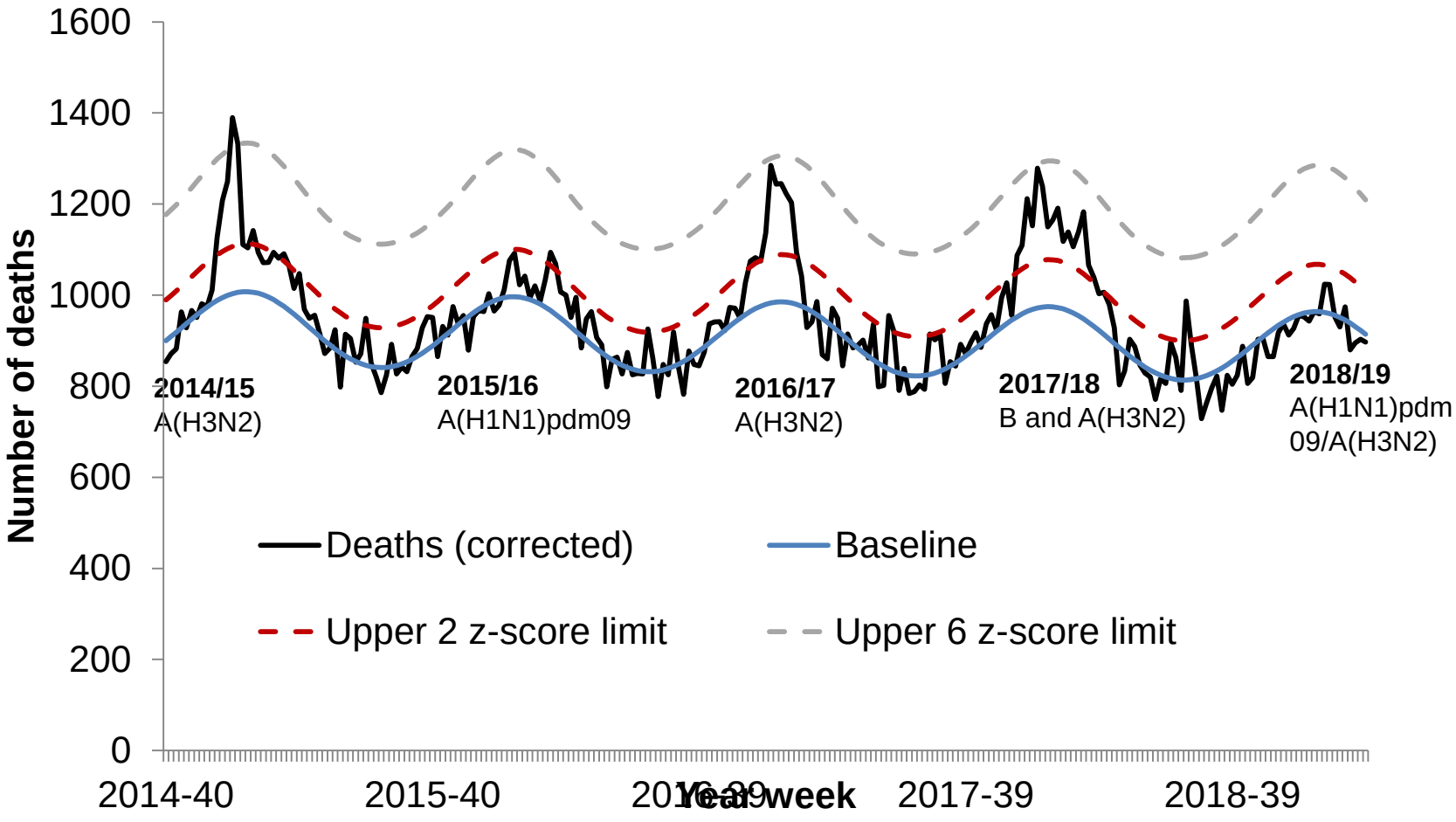
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE Midlands and East of England



Return to main menu

Public Health England

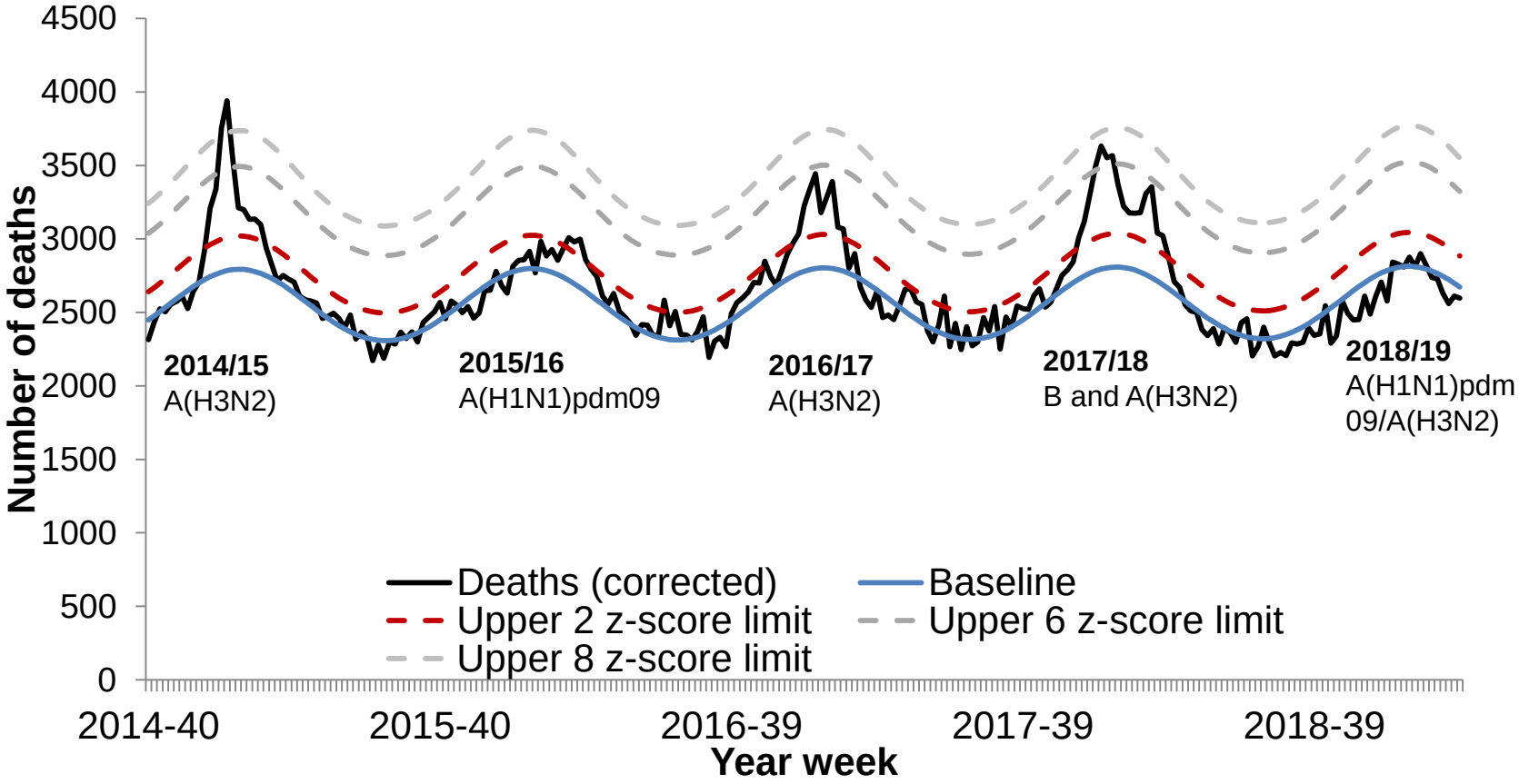
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE London



Return to main menu

Public Health England

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



Return to main menu

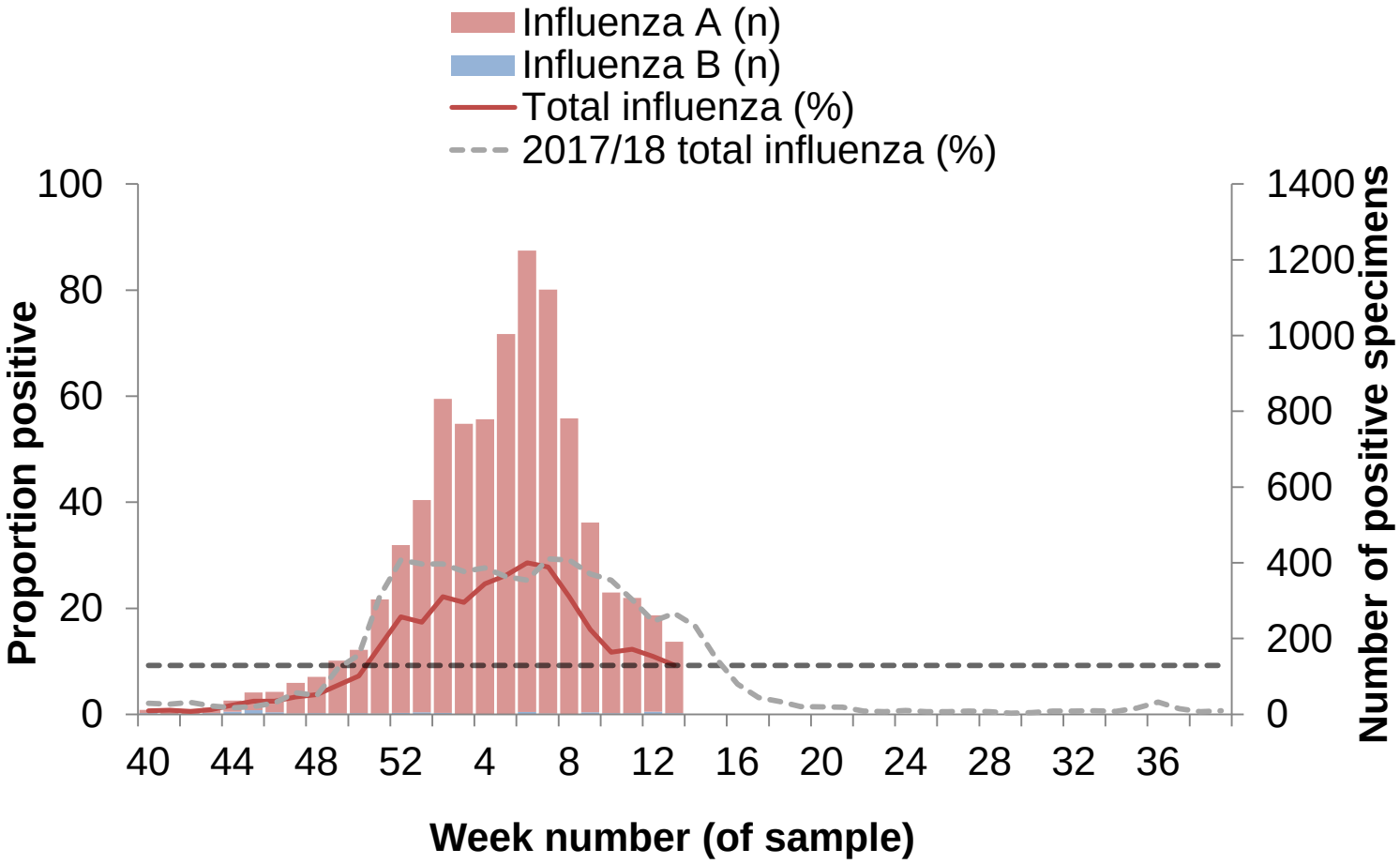
Public Health England

Microbiological surveillance

Return to main menu

Public Health England

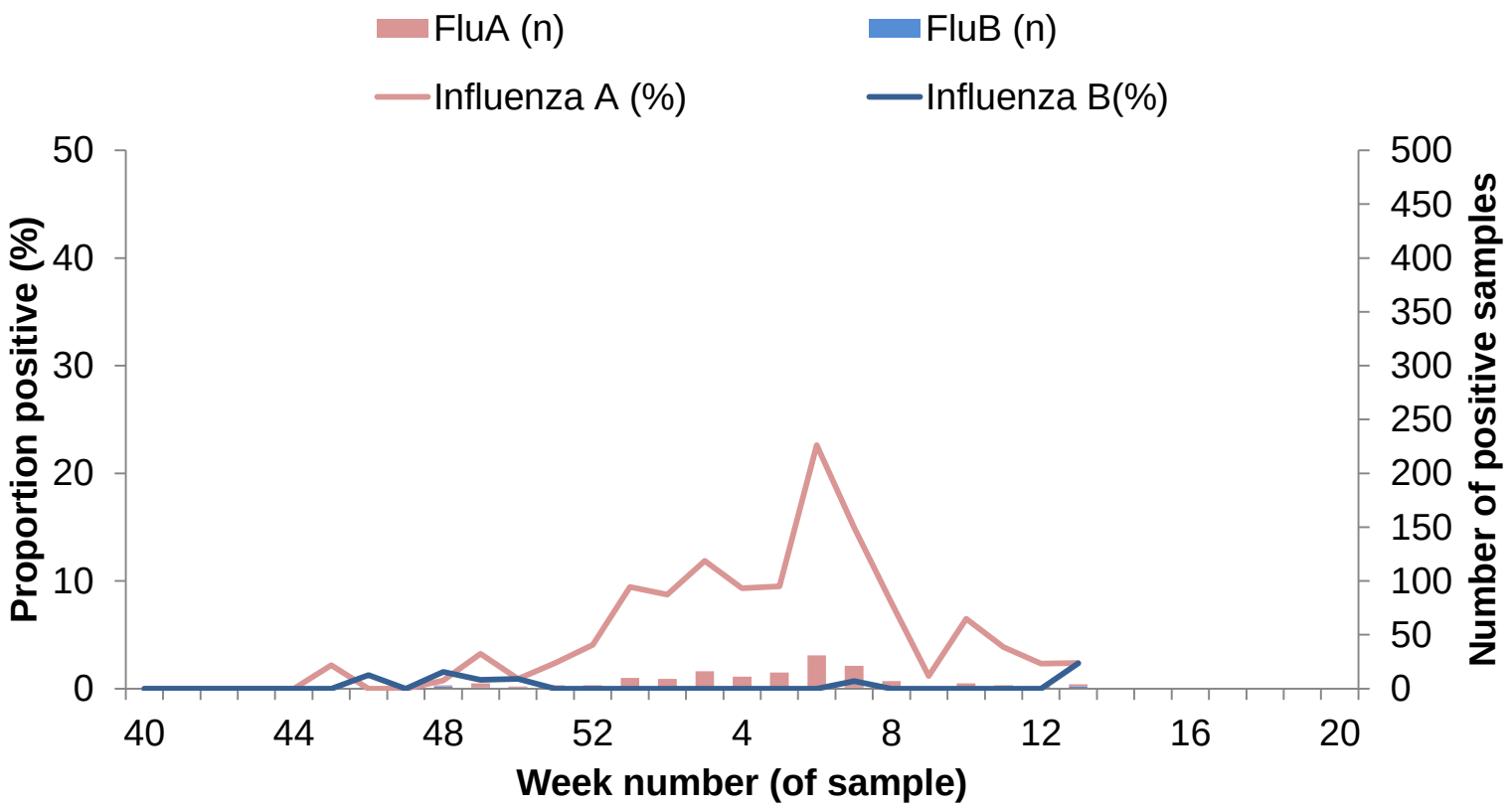
DataMart: Number and proportion of samples positive for influenza, by type, England



Return to main menu

Public Health England

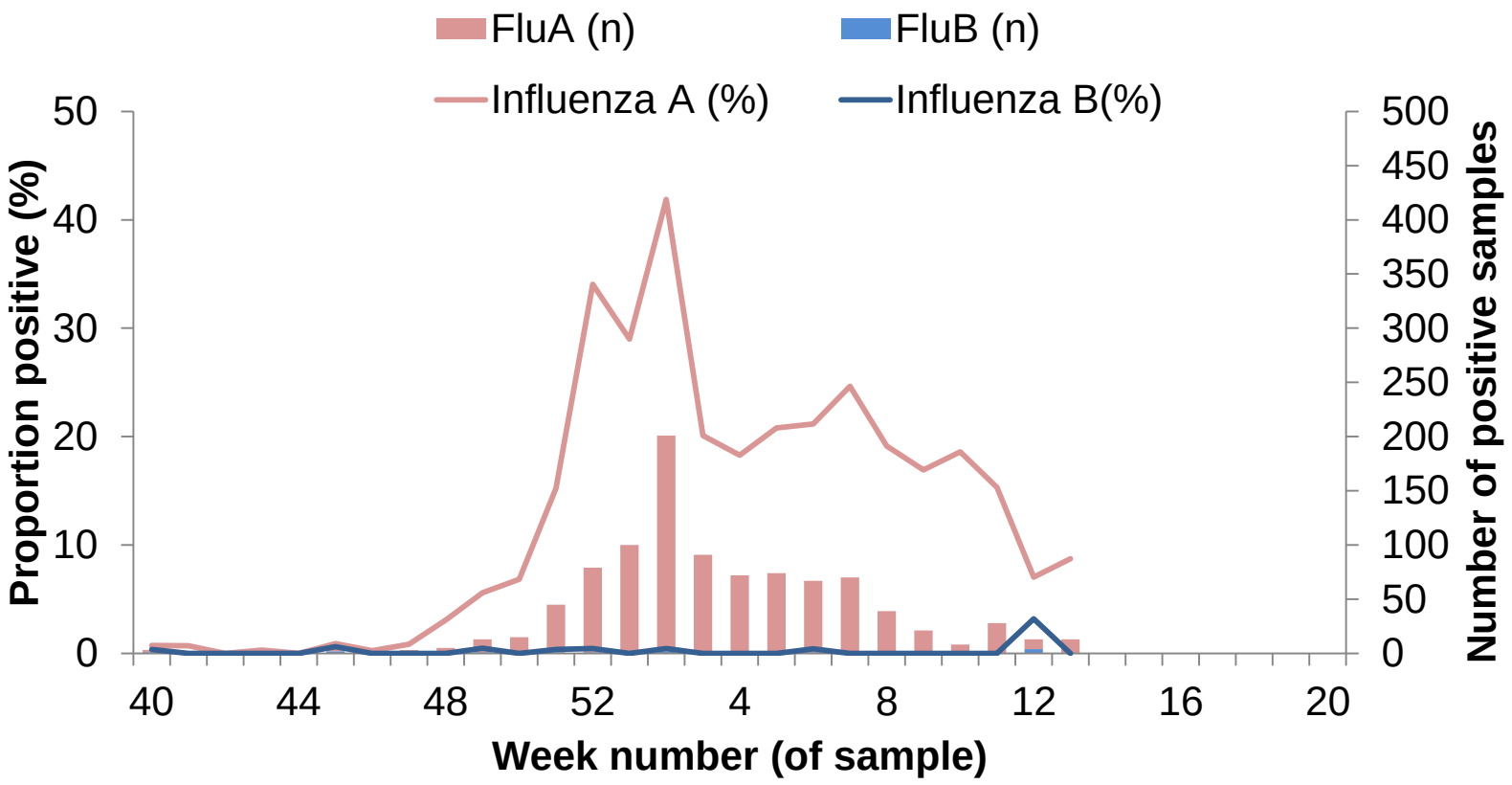
DataMart: Number and proportion of samples positive for influenza, by type, PHE North East of England



Return to main menu

Public Health England

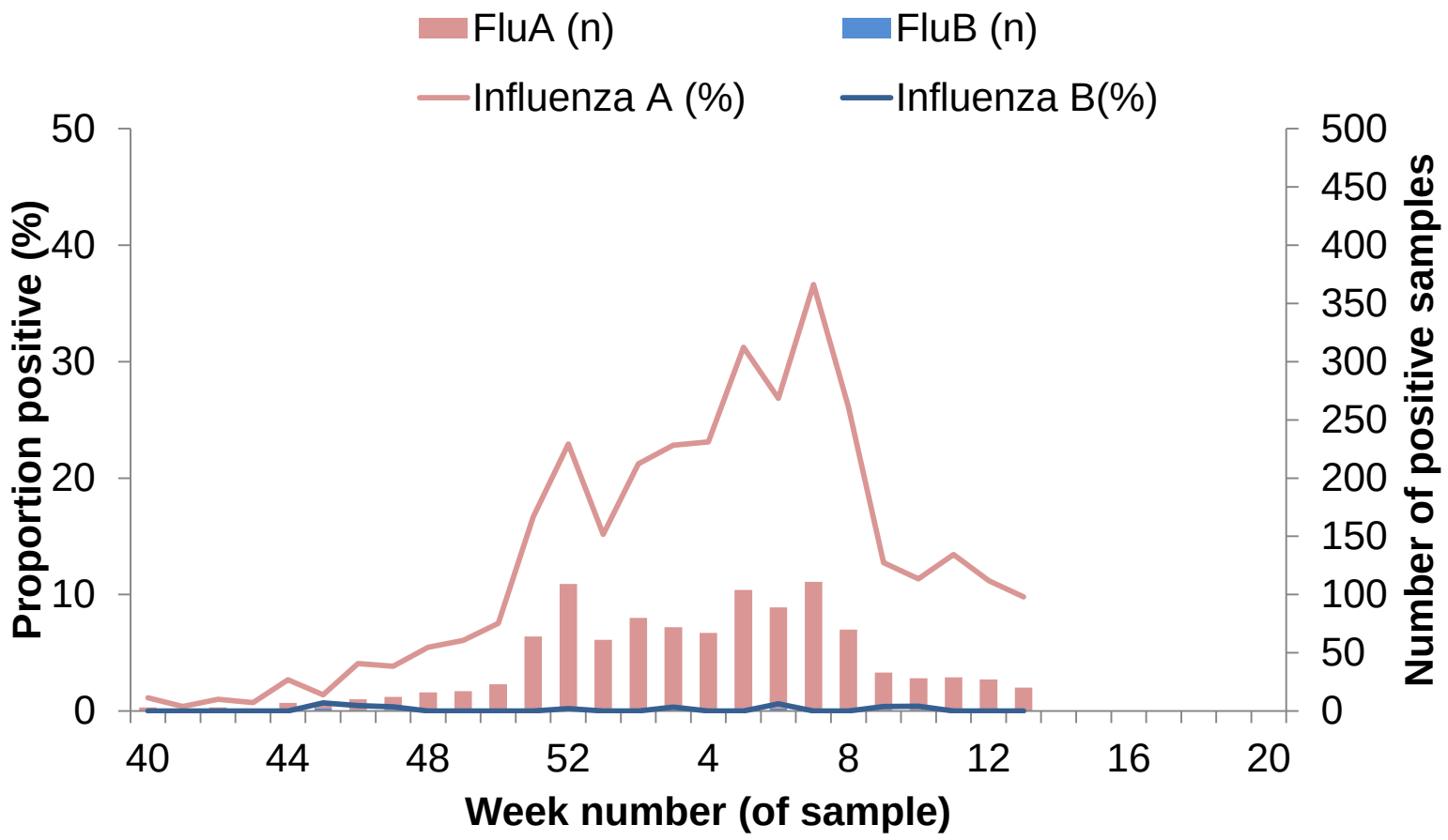
DataMart: Number and proportion of samples positive for influenza, by type, PHE North West of England



Return to main menu

Public Health England

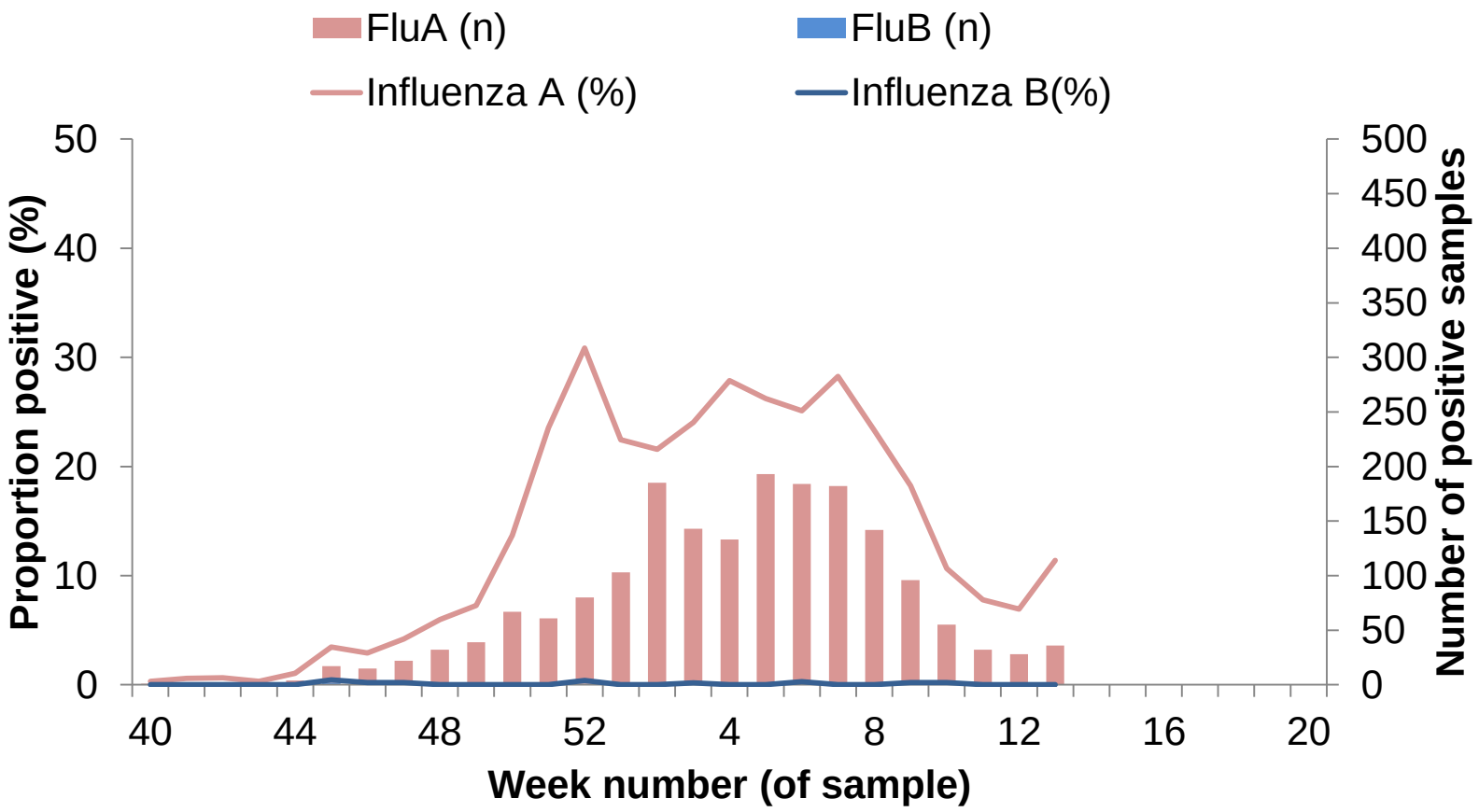
DataMart: Number and proportion of samples positive for influenza, by type, PHE Yorkshire and Humber



Return to main menu

Public Health England

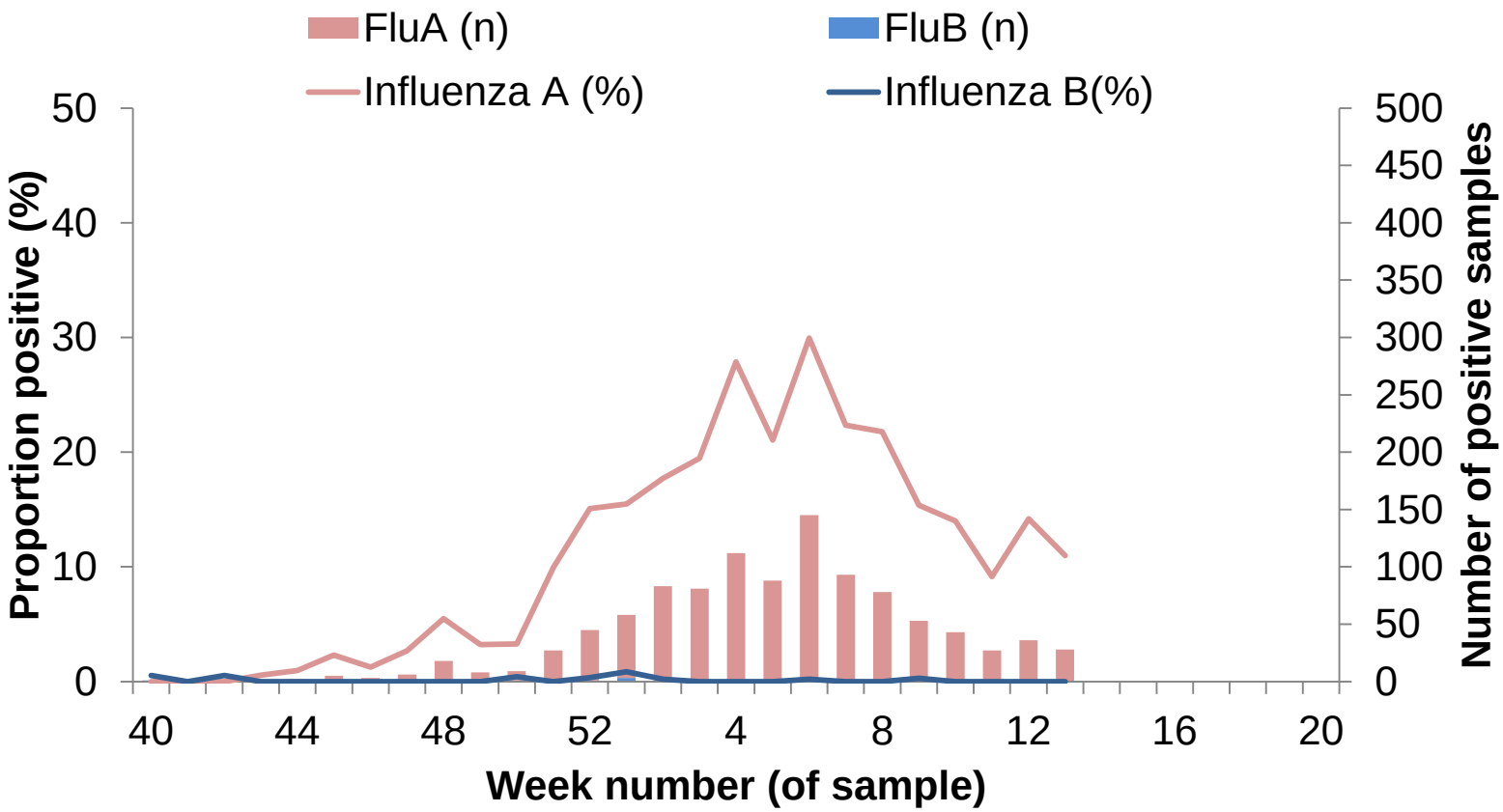
DataMart: Number and proportion of samples positive for influenza, by type, PHE East Midlands of England



Return to main menu

Public Health England

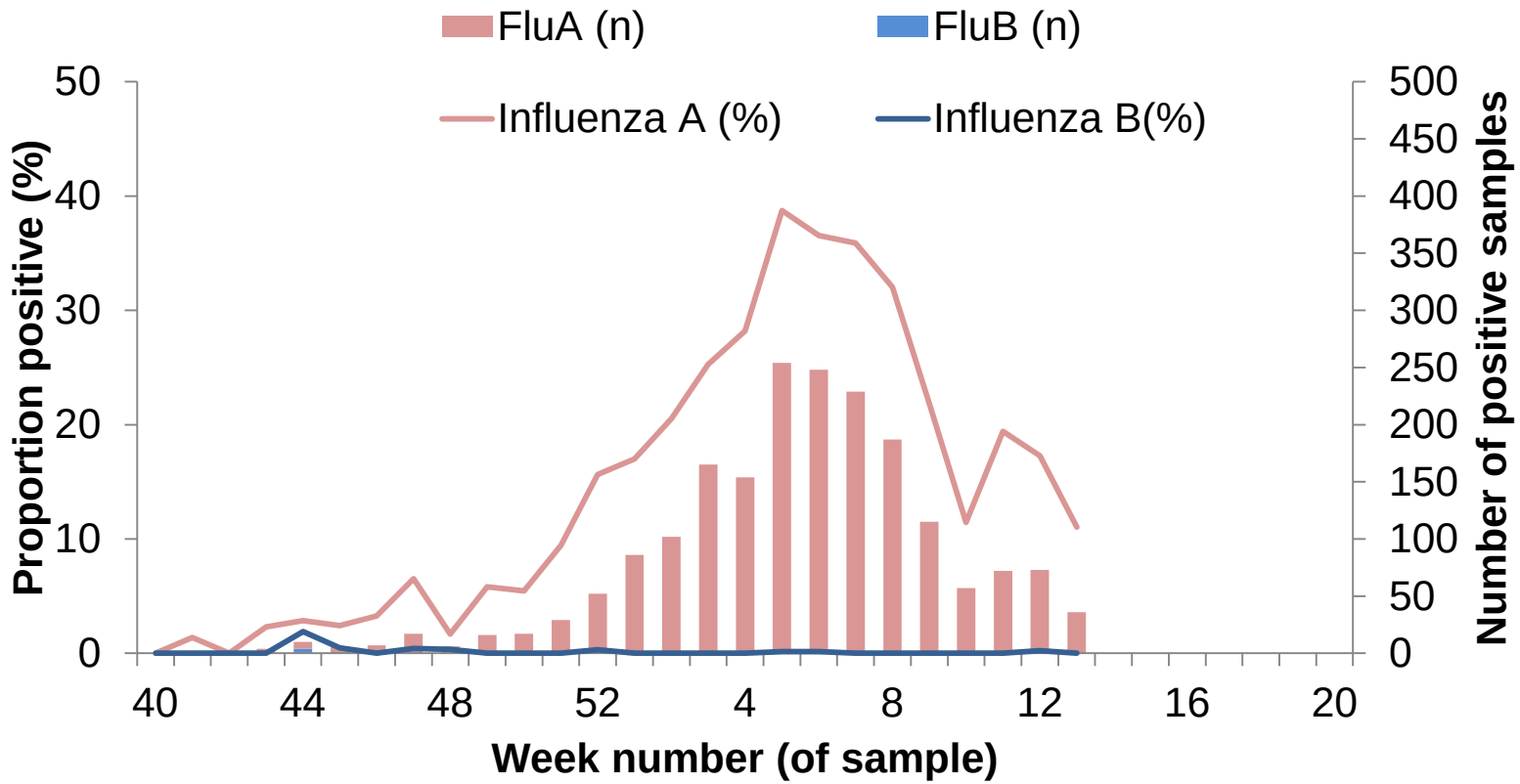
DataMart: Number and proportion of samples positive for influenza, by type, PHE West Midlands of England



Return to main menu

Public Health England

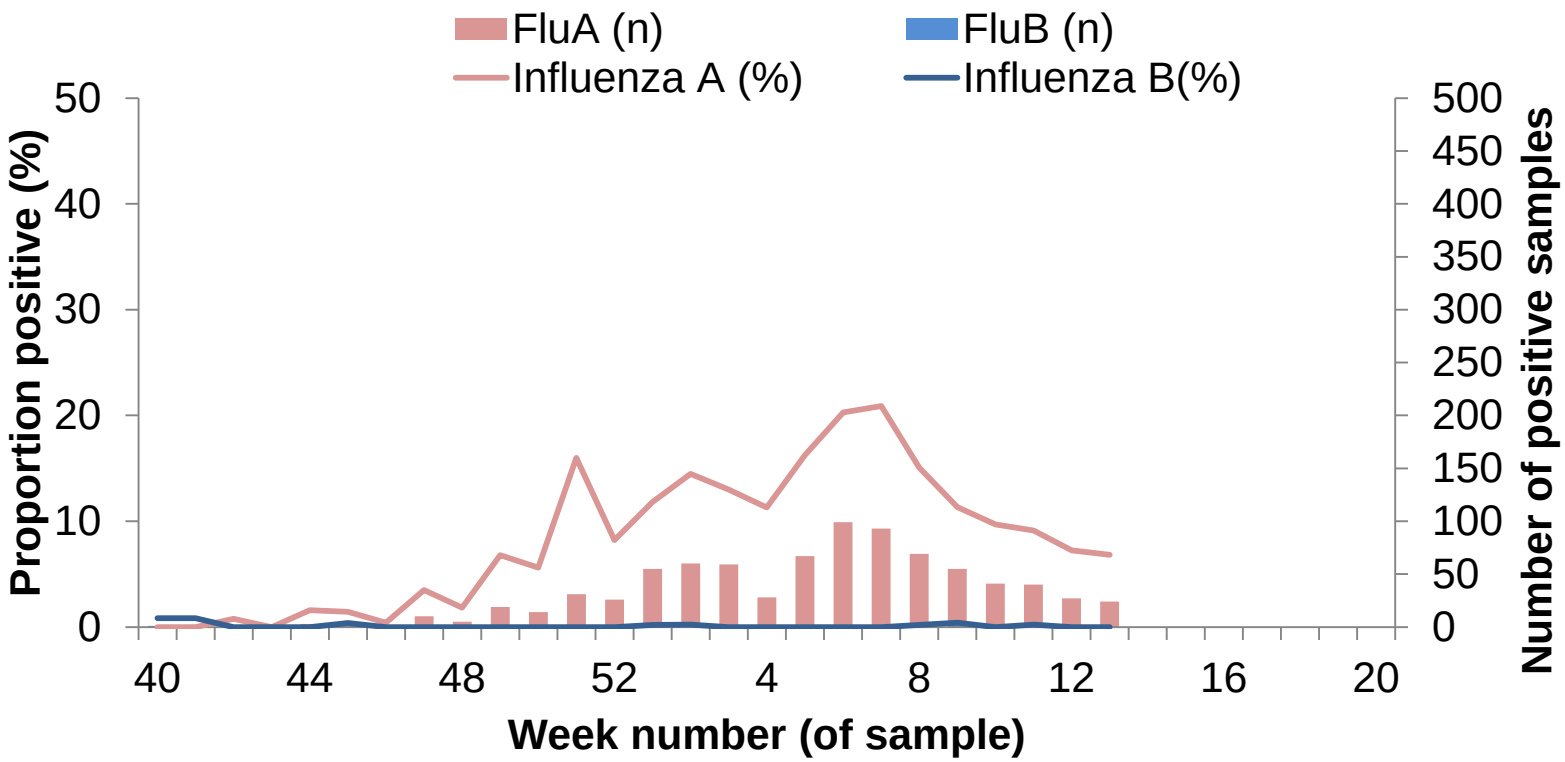
DataMart: Number and proportion of samples positive for influenza, by type, PHE East of England



Return to main menu

Public Health England

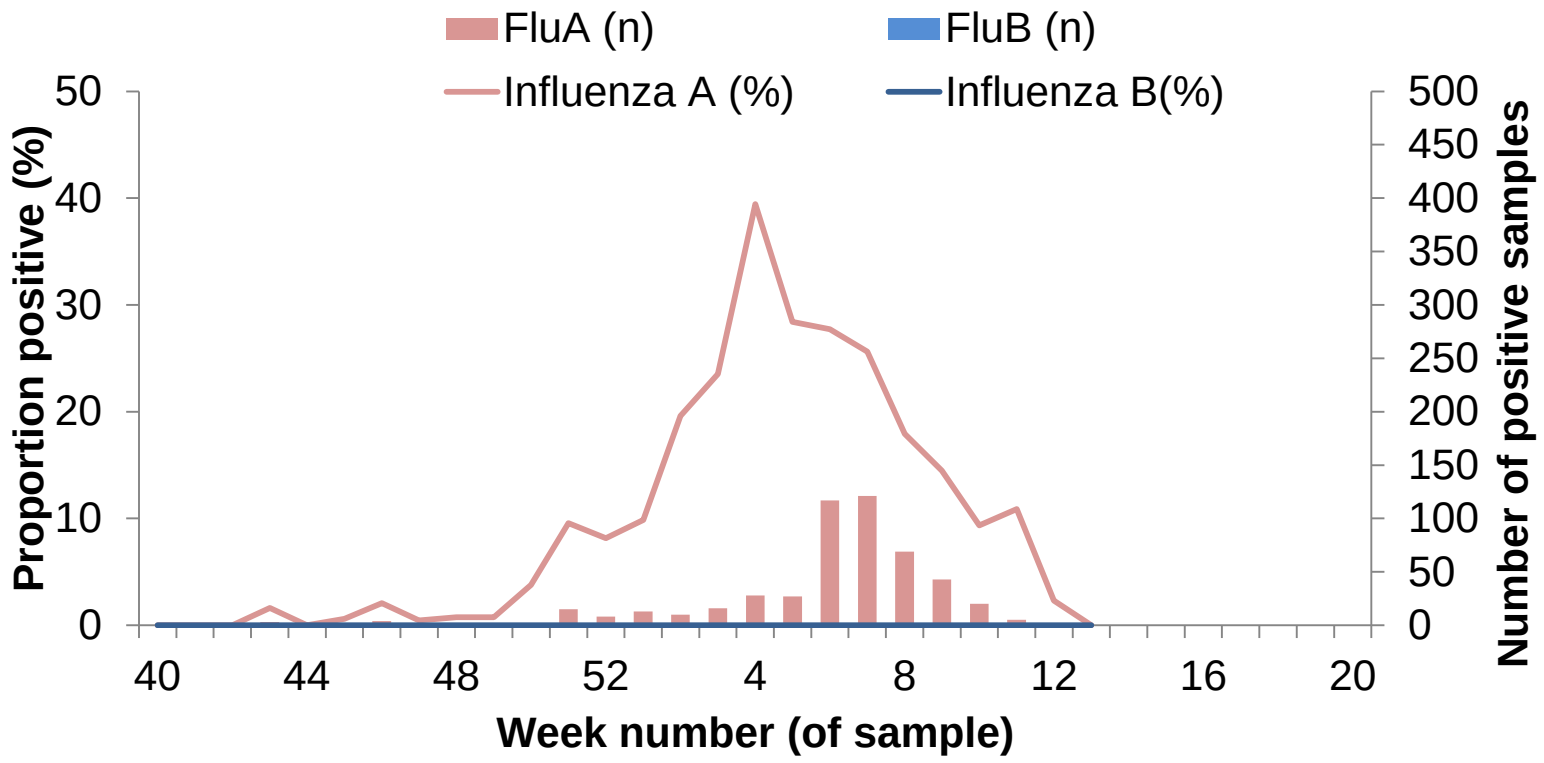
DataMart: Number and proportion of samples positive for influenza, by type, PHE London



Return to main menu

Public Health England

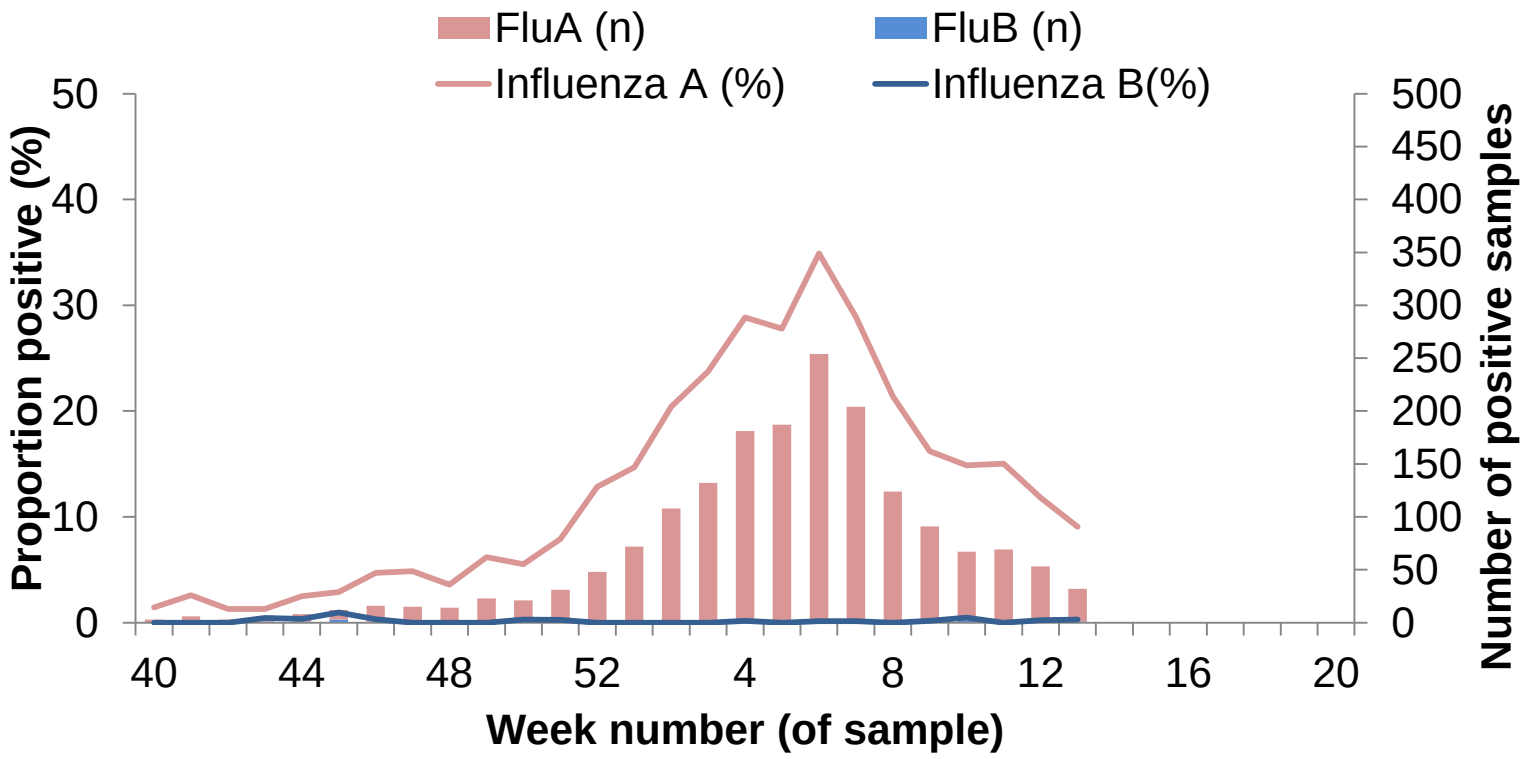
DataMart: Number and proportion of samples positive for influenza, by type, PHE South East of England



Return to main menu

Public Health England

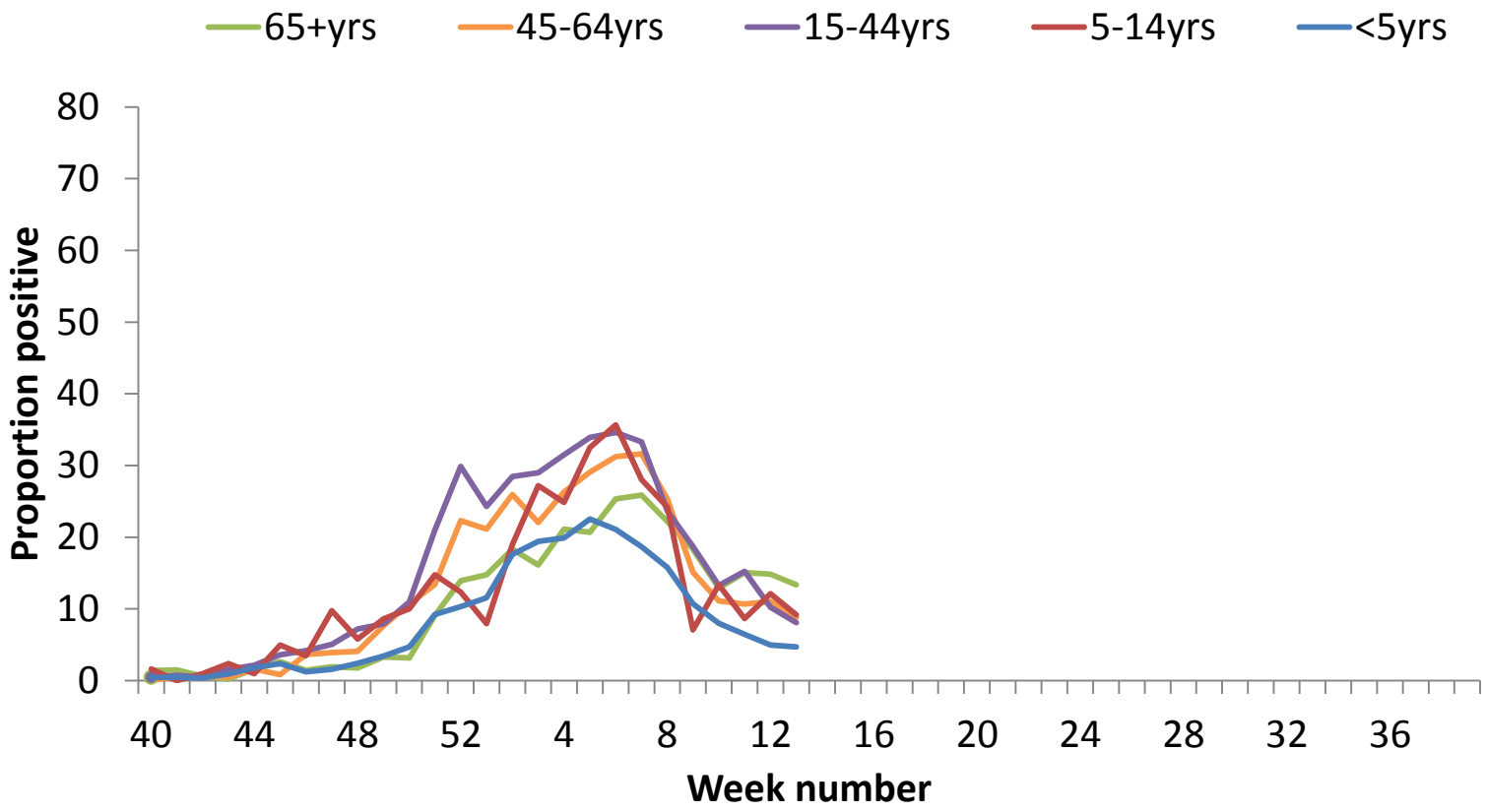
DataMart: Number and proportion of samples positive for influenza, by type, PHE South West of England



Return to main menu

Public Health England

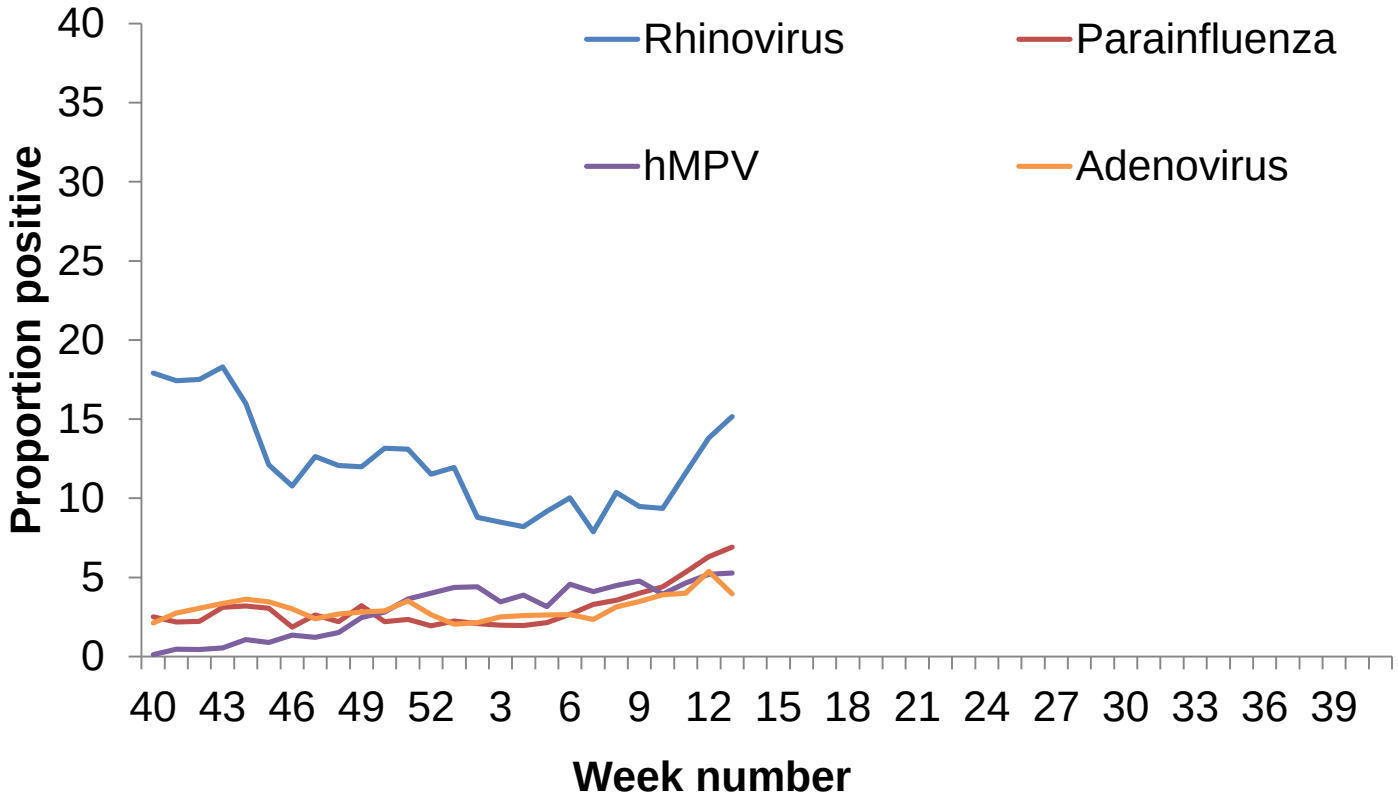
DataMart: Proportion of samples positive for influenza, by age group



Return to main menu

Public Health England

DataMart: Proportion of samples positive for other viruses



Return to main menu

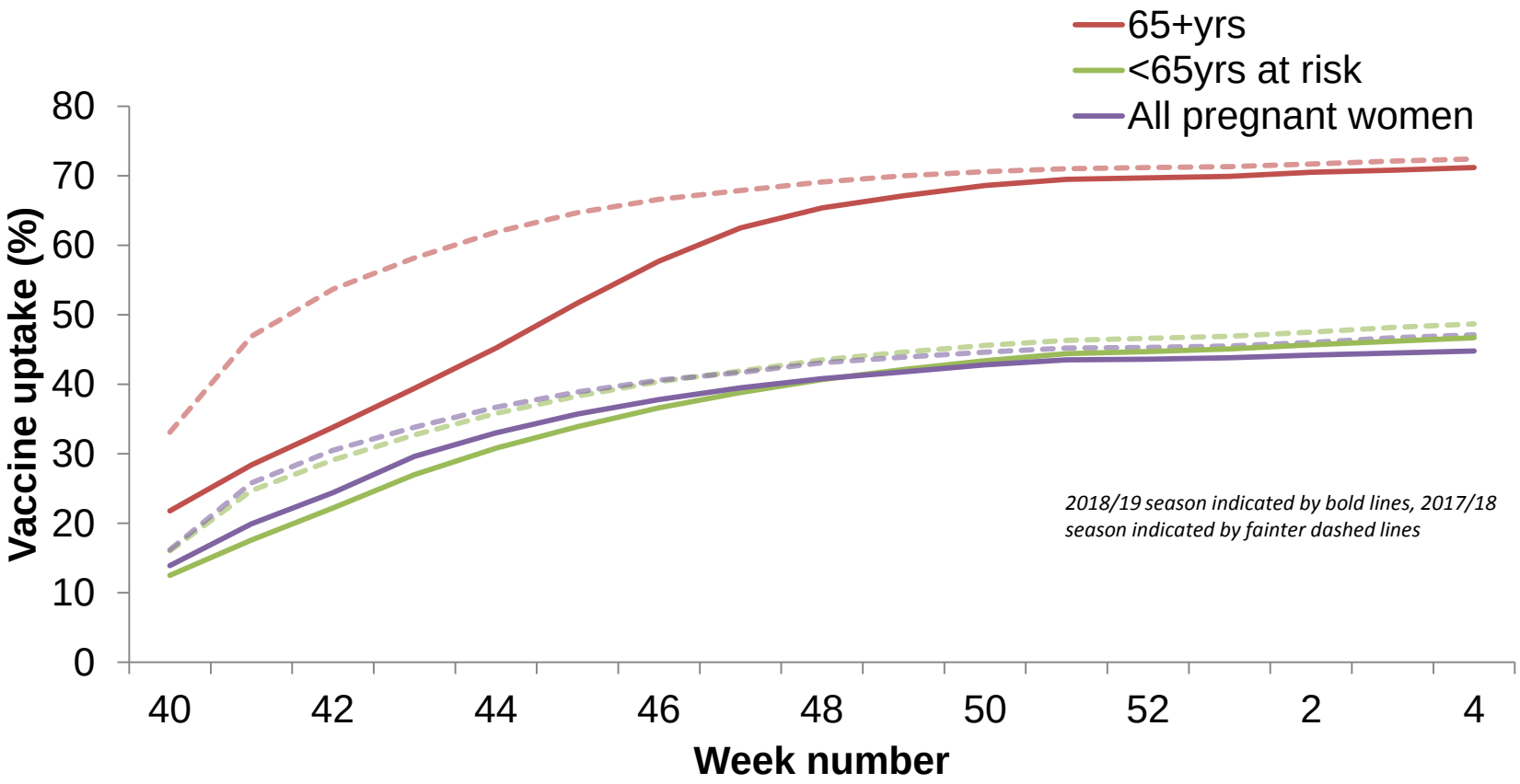
Public Health England

Influenza vaccination

Return to main menu

Public Health England

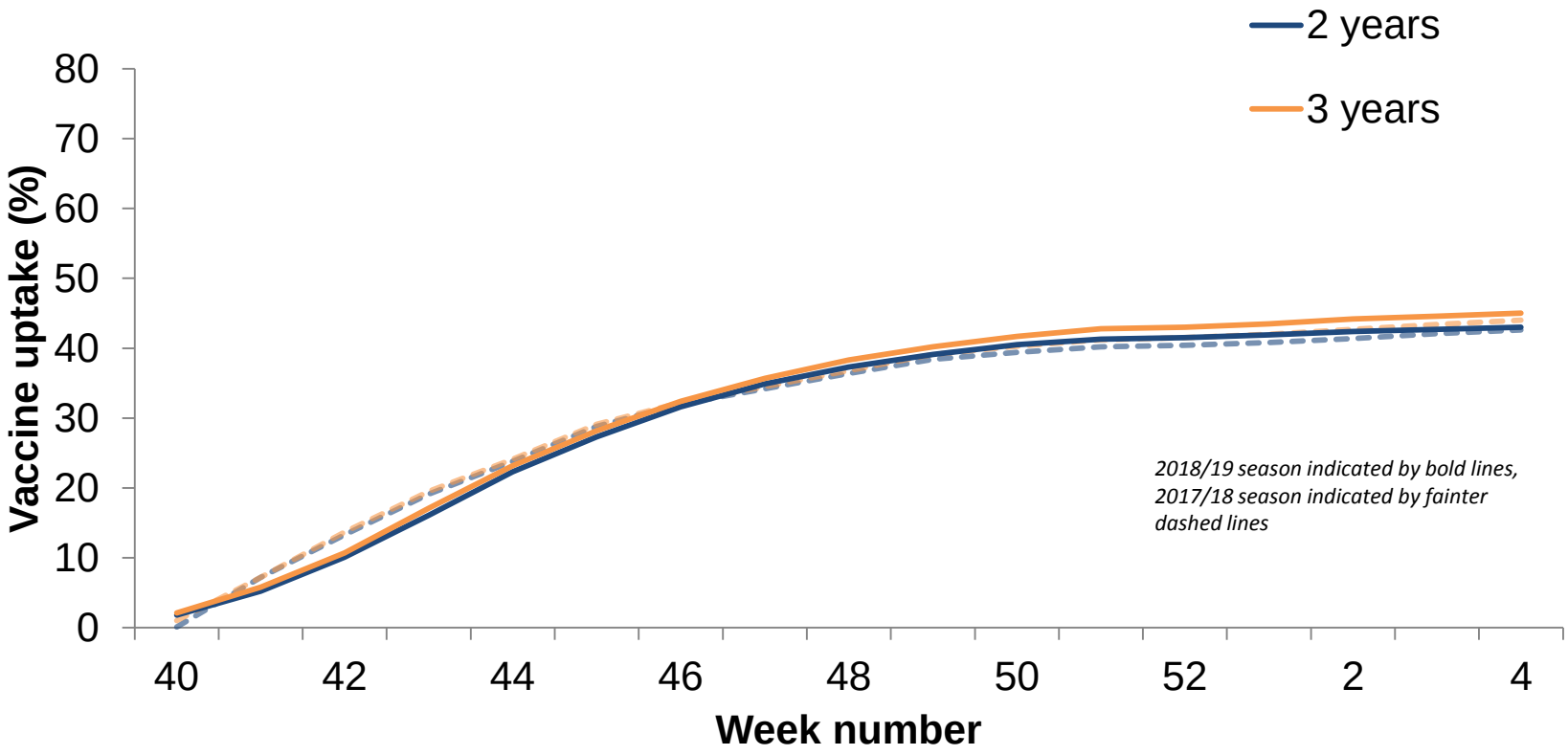
Seasonal influenza vaccine uptake in targeted groups, 2018/19, England



Return to main menu

Public Health England

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



Return to main menu

Public Health 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-2018-to-2019-season