

Seasonal Flu:

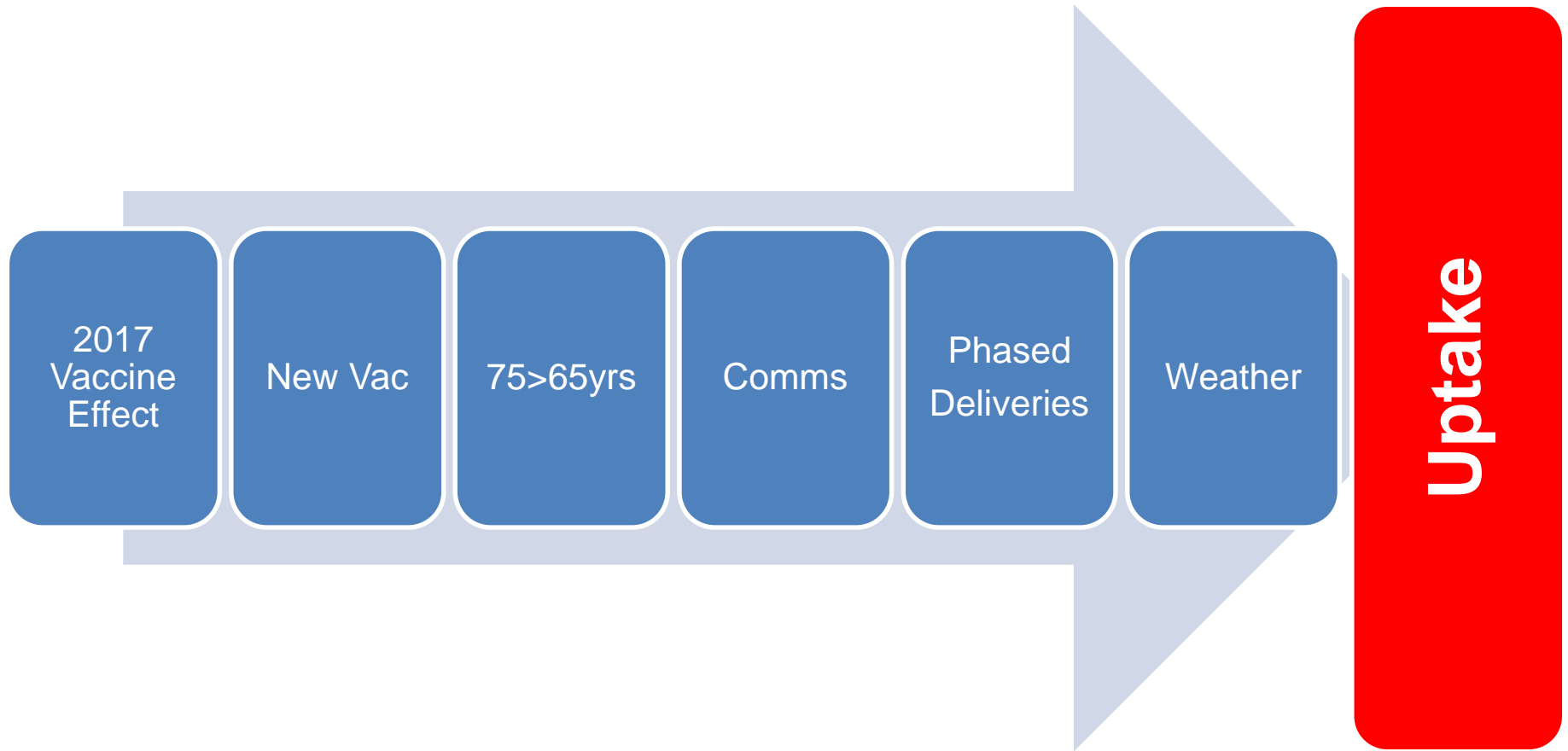
**An overview of the 2018-19 season and
forward look to 2019-20**

Marc Rolph
Health Protection Manager, Suffolk County Council
2nd July 2019

This presentation

- A review of 2018- 2019 season;
- Look at the IES data and key findings;
- A forward view for the 2019-2020 season;
- The ask to the CCG and Primary Care.

Pre season challenges in 18-19



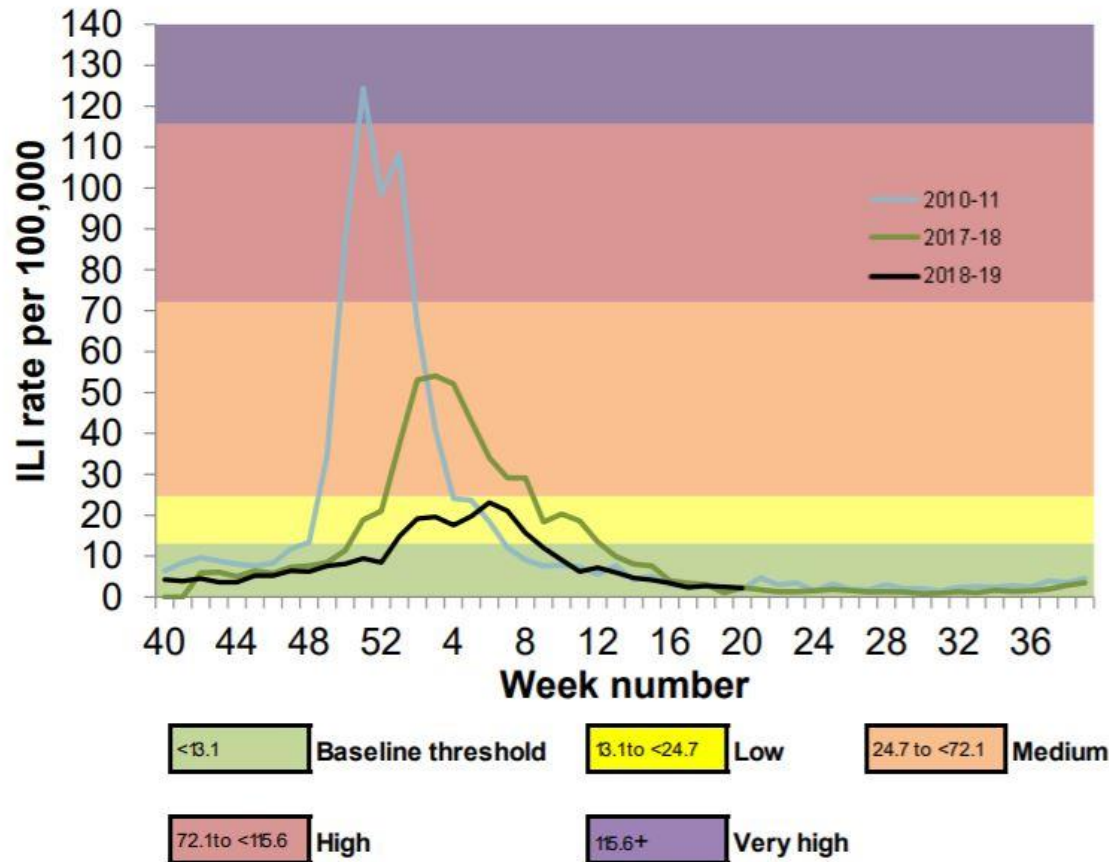
National overview 2018-19

Headlines from the 2018-19 season

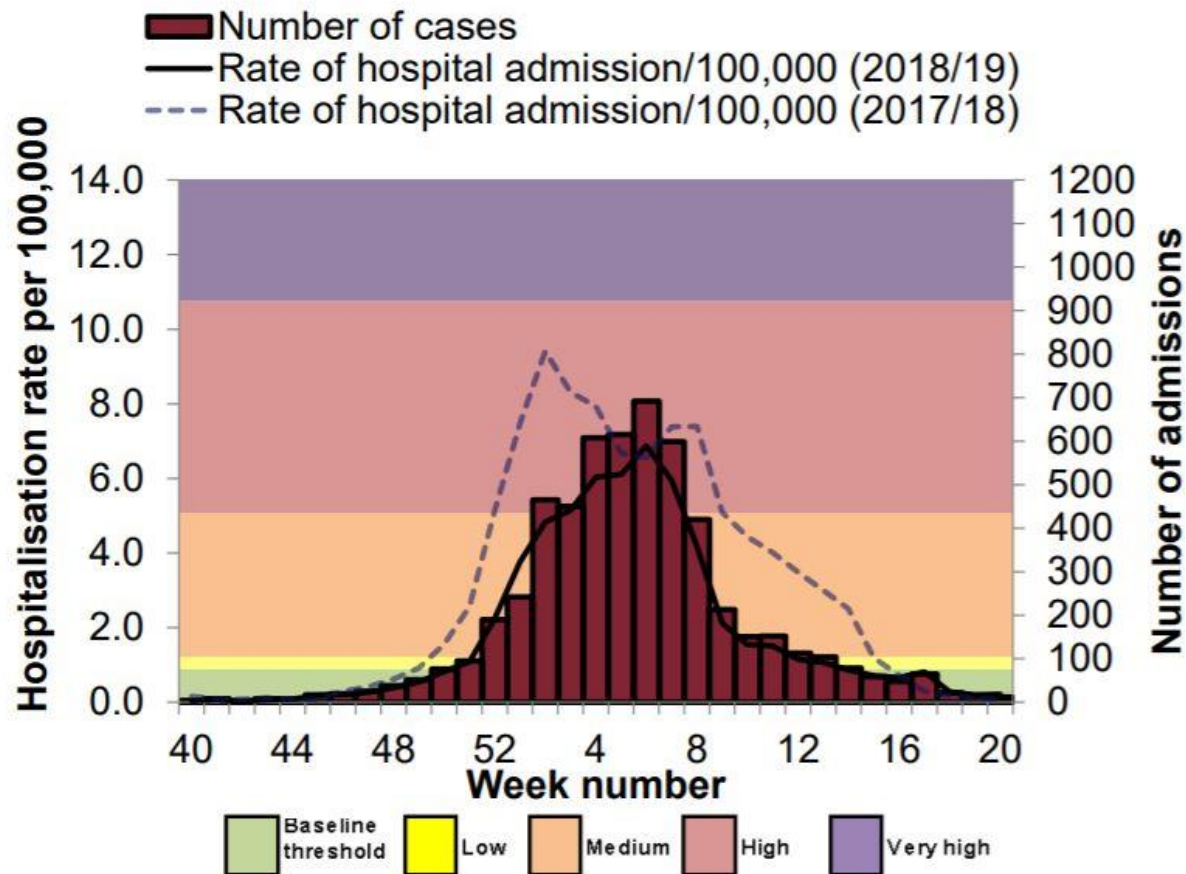
- H1N1 strain that was dominant > H3N2 at the end;
- Overall there were lower levels of vaccine uptake than previous season;
- Vaccine Effectiveness(VE) was improved across the board;
- Flu levels in the community were low in 2018/19, those cases which did occur often needed very specialist care.

England 2018-19 – RCGP ILI consultation rates

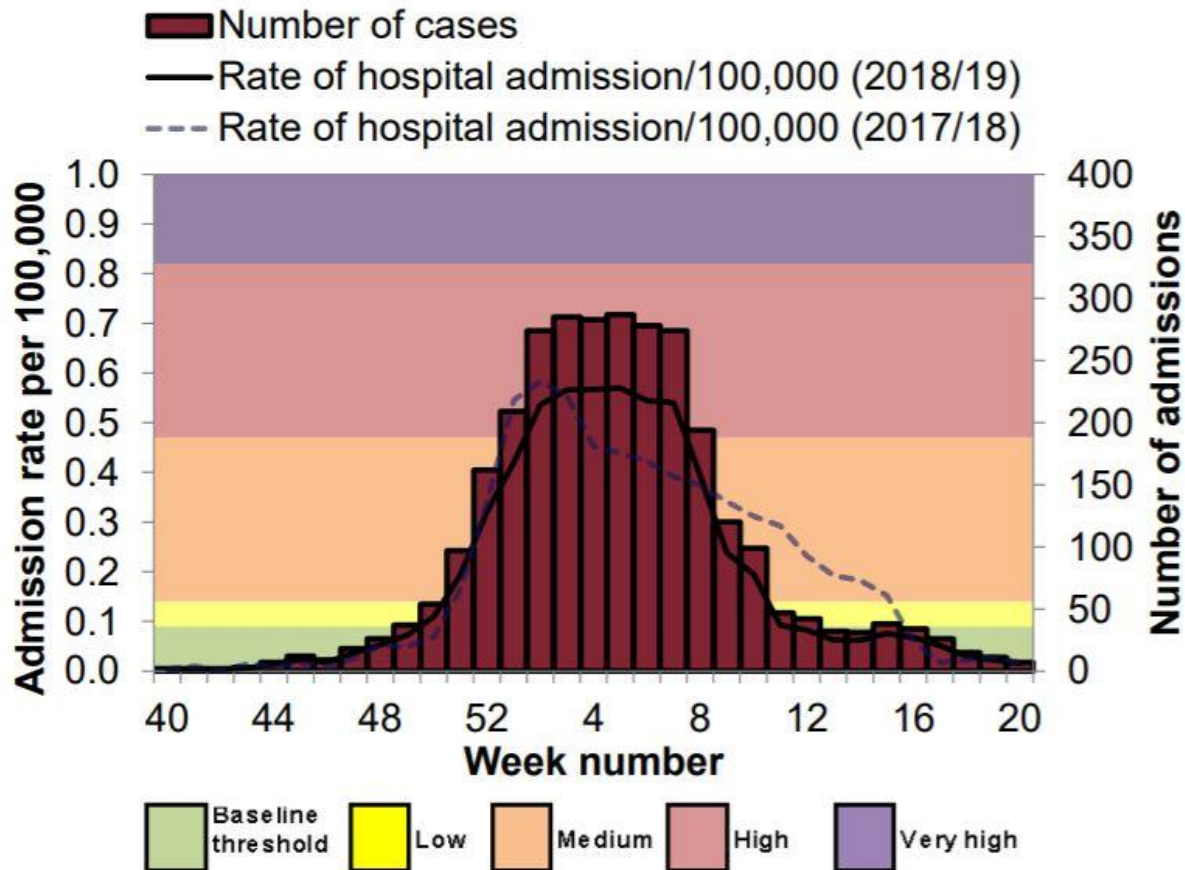
(from wk 40)



England 2018-19 weekly hospitalised influenza case rate *(per 100,000 wk40)*



England 2018-19 weekly ICU/HDU influenza admission rate *(per 100,000 wk40)*

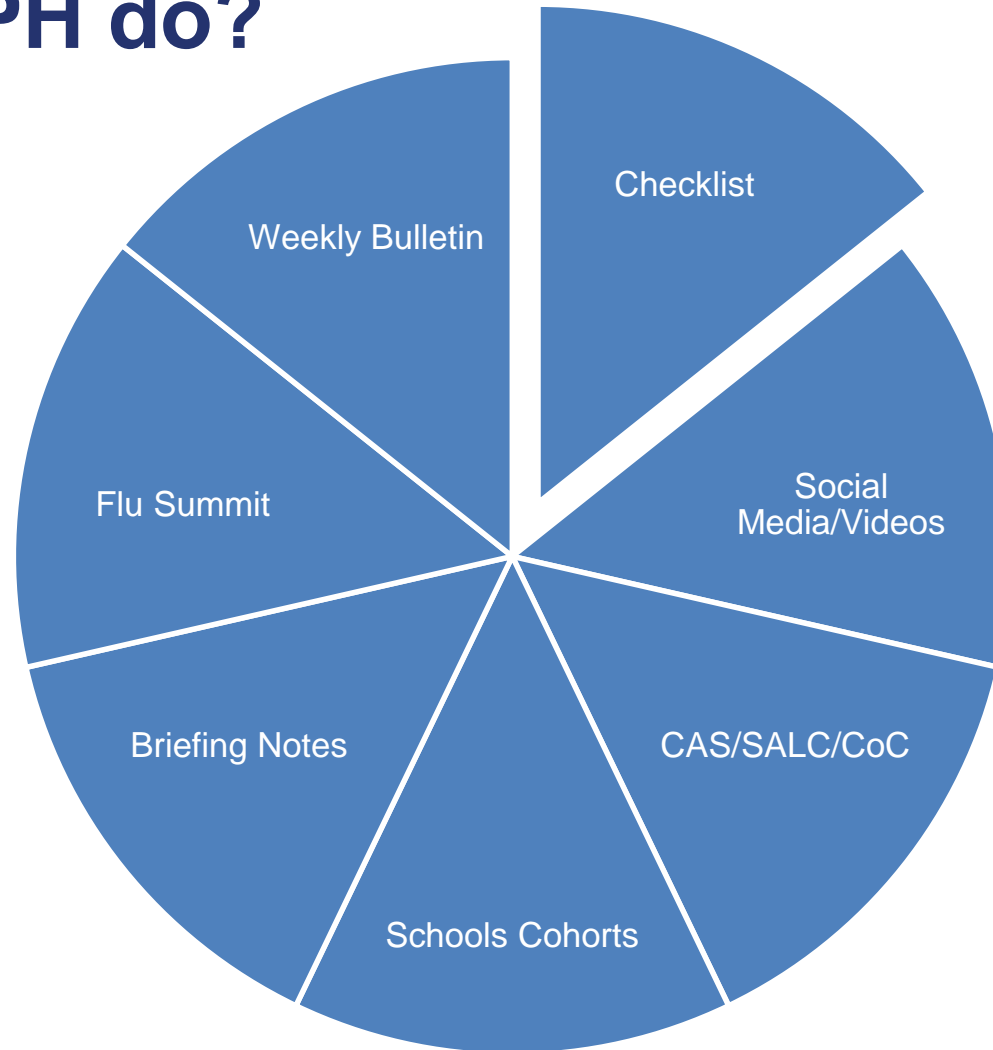


Vaccine effectiveness (%)

	2015-16	2016-17	2017-18	2018-19
2-17yr old (LAIV Only)	57.6	65.8	26.9	48.6
18 – 64yrs	55.3	40.6	12.2	44.2
65+ yrs	29.1	39.8	10.1	49.9
65+ yrs (aTIV)	-	-	-	62
All Ages	52.4	39.8	15	44.3

Suffolk's flu season 2018-19

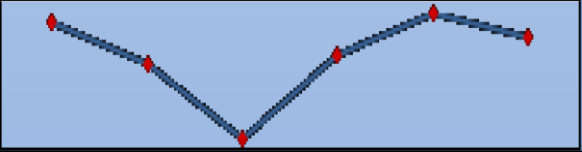
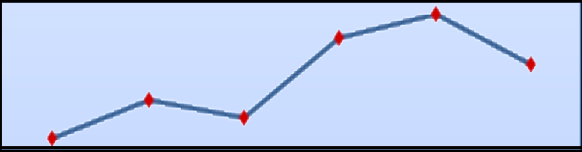
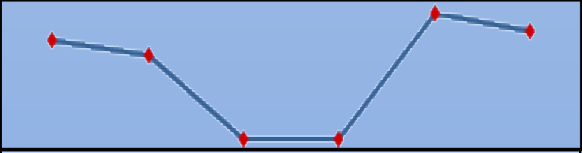
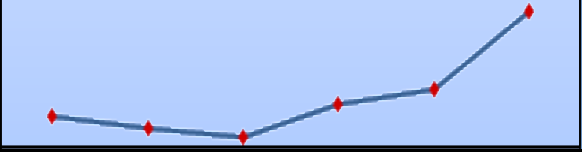
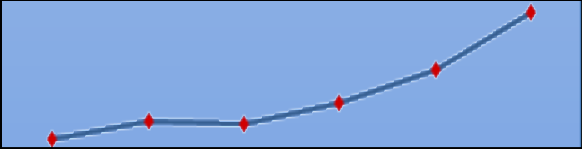
What did PH do?



Suffolk's vaccine uptake (%) - 2018-19

Suffolk Vs National Uptake (GP Cohorts) %					
	<65y at risk	Pregnant	Over 65yrs	Child 2yrs	Child 3yrs
Suffolk	47.9	49.7	73.5	55.1	57
National Uptake	48	45.2	72	43.8	45.9
<i>Difference</i>	-0.1	4.5	1.5	11.3	11.1
Suffolk Vs National Target (GP Cohorts) %					
	<65y at risk	Pregnant	Over 65yrs	Child 2yrs	Child 3yrs
Suffolk	47.9	49.7	73.5	55.1	57
National Target	55	55	75	48	48
<i>Difference</i>	-7.1	-5.3	-1.5	7.1	9

Suffolk previous years comparison (%)

	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	Trend
<65y at risk	48.7	46.5	42.4	46.9	49.2	47.9	
Pregnant	44.1	47	45.7	51.6	53.5	49.7	
Over 65yrs	73.3	72.9	71	71	73.9	73.5	
Child 2yrs	43.8	42.2	41.5	45.1	46.5	55.1	
Child 3yrs	41.7	43.8	43.3	46	50.1	57	

National target vs Suffolk & IES uptake

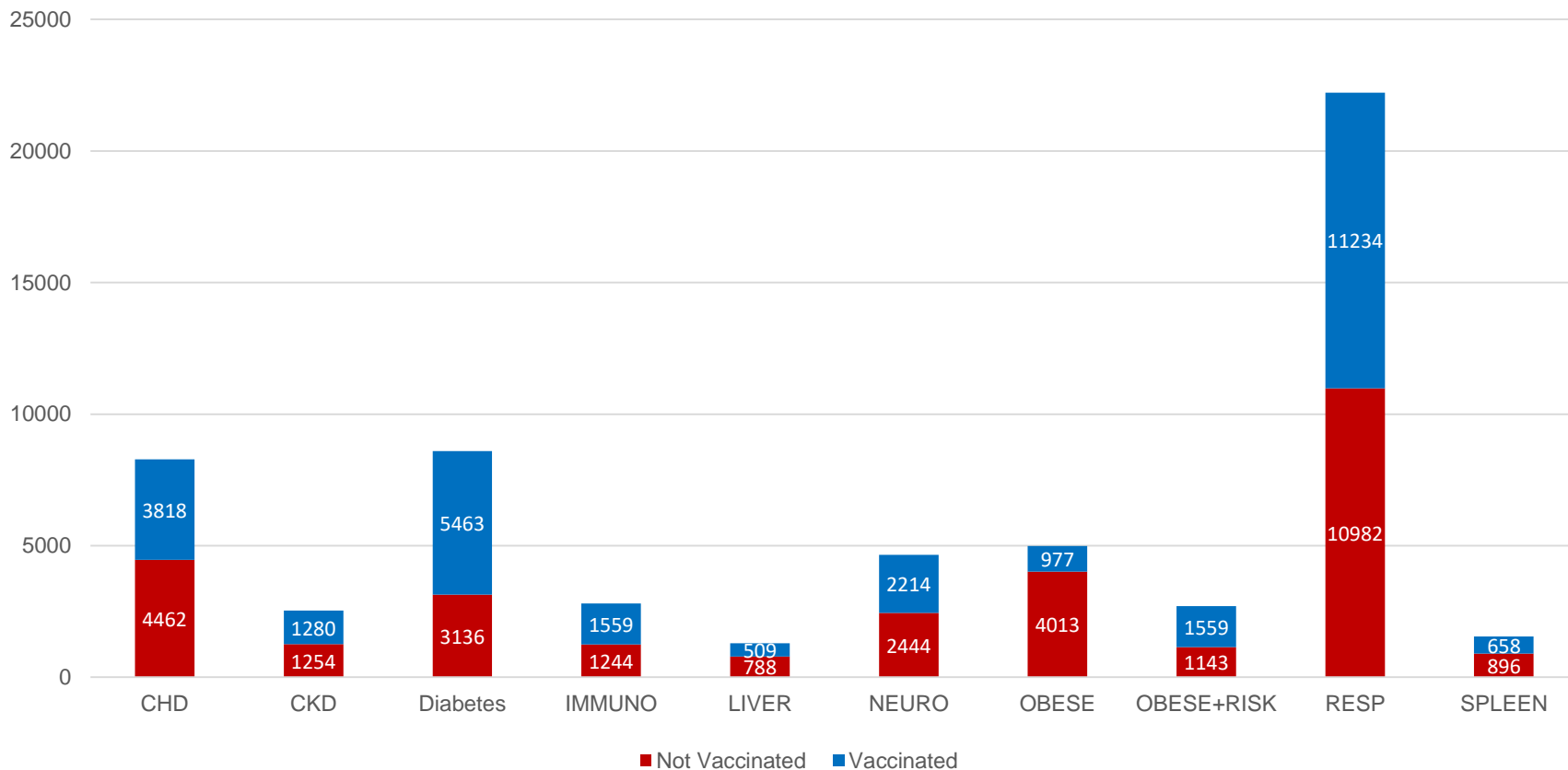
	<65y at risk	Pregnant	Over 65yrs	Child 2yrs	Child 3yrs
National Target	55	55	75	48	48
Suffolk Uptake	47.9	49.7	73.5	55.1	57
IES CCG	50.9	50.4	74.5	57.4	57.7
Difference National Target	-4.1	-4.6	-0.5	9.4	9.7

‘At risk’ groups in IES CCG

- **59,633** people in total are in the clinical ‘at risk’ groups
- In 2018/19 = **29,271** were vaccinated...
- ... meaning that **30,362** were not...
- Overall coverage of **50.9%**

Some at risk groups were more likely to receive vaccine than others

IES CCG at risk groups 18/19



Data conclusion

Largest numbers of unvaccinated 'at risk' patients are:

- Respiratory disease (10,982);
- CHD (4,462);
- Obese (4,013).

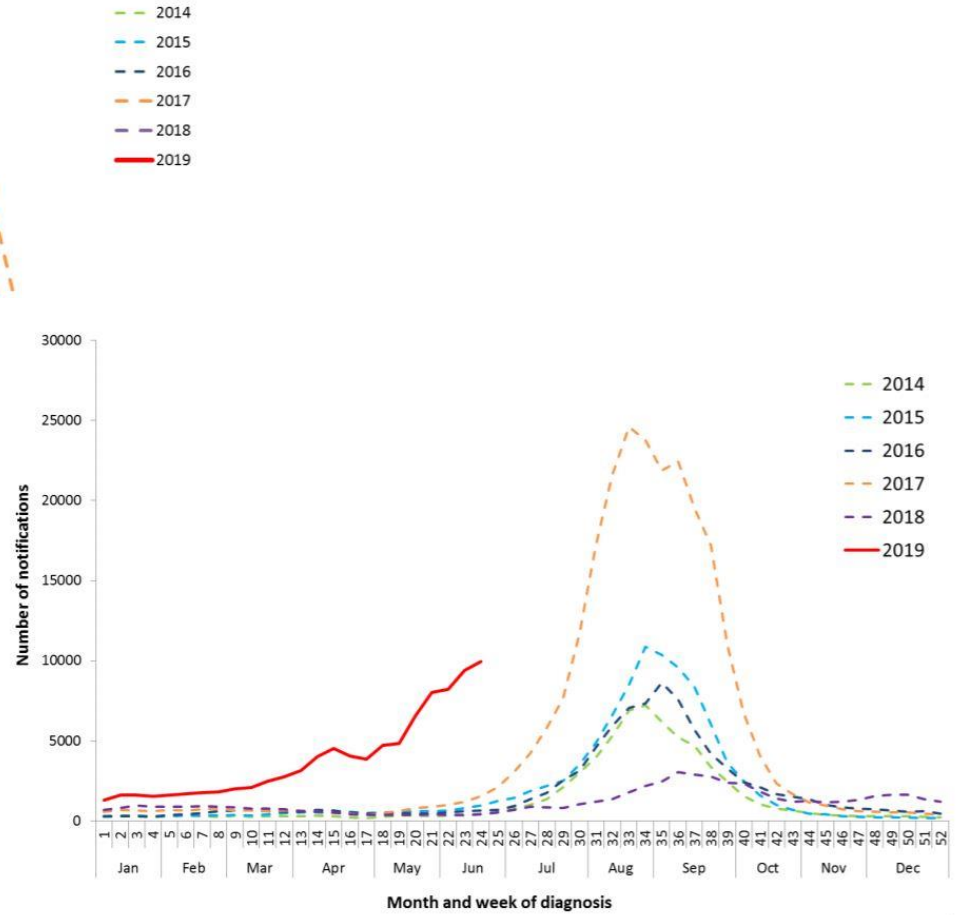
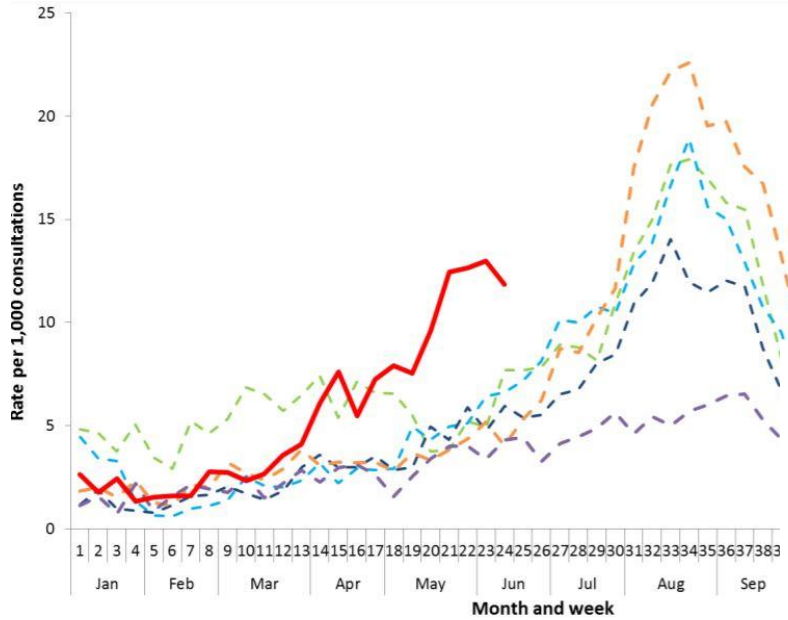
'At Risk' cohort	Key findings
Respiratory	<ul style="list-style-type: none">• Vaccination rates within IES practices varied between 65.1% and 38.1%• 10,982 patients with CHD were not vaccinated in IES practices last year• 4 practices achieved rates over 60%
CHD	<ul style="list-style-type: none">• Vaccination rates within IES practices varied between 65.2% and 32.4%• 4,462 patients with CHD were not vaccinated in IES practices last year• 3 practices achieved rates over 60%• 4 practices vaccinated fewer than 40%
Obese	<ul style="list-style-type: none">• 4,013 patients in IES practices who are obese were not vaccinated in 2018/19• Everyone is finding this group hard to reach

2019/20 Flu Season

Flu vaccines 2019 – 20 – adult cohorts

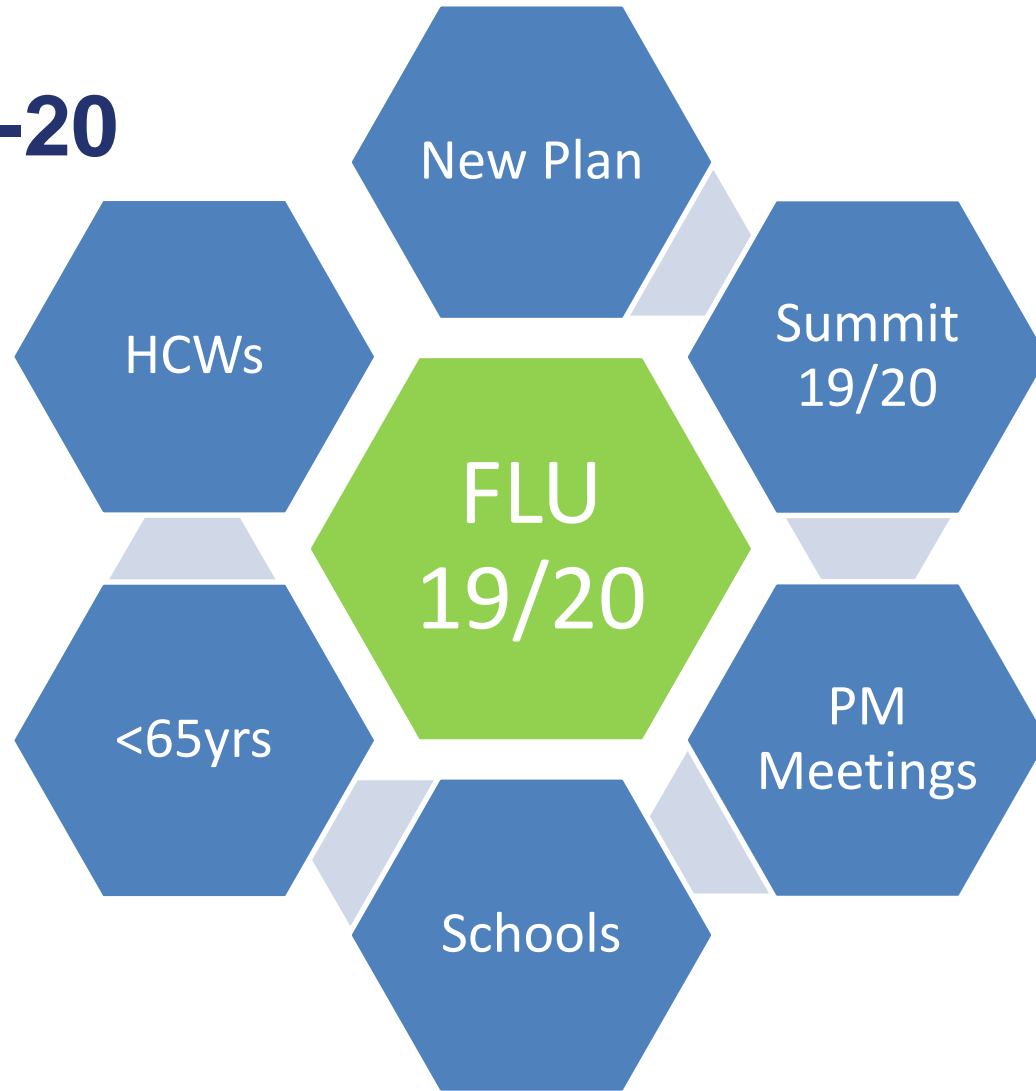
Cohort	Vaccine available	Comments
65yrs +	Adjuvanted trivalent inactivated influenza vaccine (aTIV)	<p><i>Evidence suggests that these three vaccines are all superior to standard egg-based inactivated trivalent and quadrivalent vaccines (TIVe/QIVe) in terms of effectiveness for those aged 65 years and over</i></p> <p><i>Note: The TIV-HD vaccine is not eligible for reimbursement on the NHS</i></p>
	Quadrivalent influenza cell culture vaccine (QIVc), licensed in December 2018	
	<p><u><i>The high-dose trivalent inactivated influenza vaccine (TIV-HD), licensed in January 2019</i></u></p>	
18 – under 65yrs (inc Pregnant pts)	The egg grown quadrivalent inactivated influenza vaccine (QIVe)	<p><i>Overall there is not enough data accumulated to express a preference for the use of either vaccine in this age group. Therefore both will be recommended and available for use in 2019/20</i></p>
	The newly licenced quadrivalent influenza cell culture vaccine (QIVc)	

Australia 2019 – an emerging threat?



Source: NNDSS

PH 2019-20



The ask of the CCG

- Focus on the <65yr patients in at risk category especially;
 1. Respiratory;
 2. CHD;
 3. Obese.
- Continue to promote to the pregnant patients;
- Promotion to HCW on the vaccine uptake especially with the trusts.

Don't hesitate, vaccinate

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Parents' vaccine side effects fear 'fuelled by social media'

24 January 2019

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Fear of a vaccine's side effects is the top reason for people refusing them, a

THE Sun NEWS FABULOUS MONEY MOTORS TRAVEL TECH DEAR DE

KILLER INSTINCTS The militant Facebook mums fuelling the dangerous anti-vaccination movement across Britain that could kill your children

WARNING

By Fabulous Digital

7 Jun 2019, 15:04 | Updated: 7 Jun 2019, 16:25



36 COMMENTS

National Resources

- **Letter detailing vaccines for the 2019/20 flu programme**
Published 20-Nov-2018. Available at: <https://www.gov.uk/government/publications/flu-vaccination-recommended-vaccines-letter>
- **Update letter detailing flu vaccines for 2019/20 flu programme**
Published 23-Jan-2019. Available at: <https://www.england.nhs.uk/wp-content/uploads/2019/01/vaccines-for-19-20-seasonal-flu-vaccination-programme.pdf>
- **Green Book Influenza chapter** Available at: <https://www.gov.uk/government/publications/influenza-the-green-book-chapter-19>
- **Leaflets, posters, information materials and other resources to support the annual flu programme**
Available at: <https://www.gov.uk/government/collections/annual-flu-programme#2019-to-2020-flu-season>
- **PGD templates for flu vaccines** Available at: <https://www.gov.uk/government/collections/immunisation-patient-group-direction-pgd>
- **Summary of Product Characteristics (SPC) for flu vaccines** are available at <http://www.medicines.org.uk/emc/>
- **Leaflets and posters** prepared specifically for the flu programme. Available at: <https://www.gov.uk/government/organisations/public-health-england/series/annual-flu-programme>
- **Further information on how flu vaccines are made** is available on the Centers for Disease Control and Prevention webpage at <https://www.cdc.gov/flu/protect/vaccine/how-fluvaccine-made.htm#recombinant>
- **Joint Committee on Vaccination and Immunisation**
 - JCVI's advice on 2019/2020 influenza vaccines: <https://app.box.com/s/t5ockz9bb6xw6t2mrrzb144njplimfo>
 - JCVI minutes: <https://app.box.com/s/iddfb4ppwkmjtusir2tc> (see specifically June 2018 and October 2018)

Thank You & Any Questions

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