2017-18 Flu Season In Washoe County

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Washoe County Health District (WCHD) Outreach Flu Clinics

Type of Clinics	No. of Clinics	Doses
School	17	1,089
POD	1	212
Community	9	548
Totals*	**27**	**1,849**

*** Current as of 1/30/18**

All WCHD Clinics ~2,571

Washoe County
% of Flu Shots By Age Groups

AGE Group	6-12 mons	1-2 yrs	3-18 yrs	19-64 yrs	≥65 yrs	≥6 mos Average
2016-17	85%	49%	23%	21%	55%	27%
2017-18*	63%	42%	22%	21%	53%	27%

1 dose of flu vaccine for each age group
*Current as of 1/26/18

Overcoming Client Barriers to Flu Vaccination

- “Flu” a generic term
- Bad experience
- Doesn’t work
- I never get sick
- Needle phobia
- Only necessary for old people
- I don’t believe in vaccines

Overcoming Healthcare Provider Barriers to Flu Vaccination

- Don’t order flu vaccine
- Not recommended
- Limited supply
- Not all insurances are accepted
- Pharmacies don’t vaccinate young children
- Limited 317 funding
- Change in FDA licensing

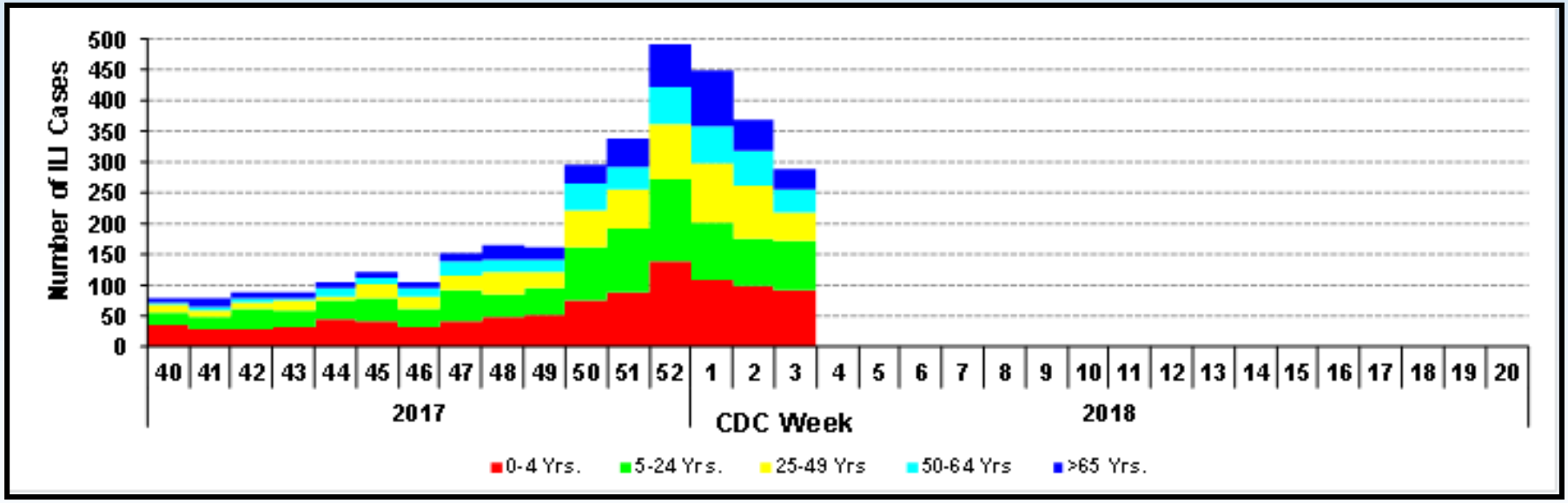
Washoe County Health District Weekly Flu Reports

- Published weekly during flu season (Week 40 – Week 20)
- Available online at http://tinyurl.com/WashoeFlu

Influenza-Like Illness (ILI) Surveillance

- ILI defined as: Fever (≥ 100°F [37.8°C], oral or equivalent) AND cough and/or sore throat (in the absence of a KNOWN cause other than influenza).
- 12 sentinel providers: 3 hospitals, 8 urgent cares, and 1 student health center

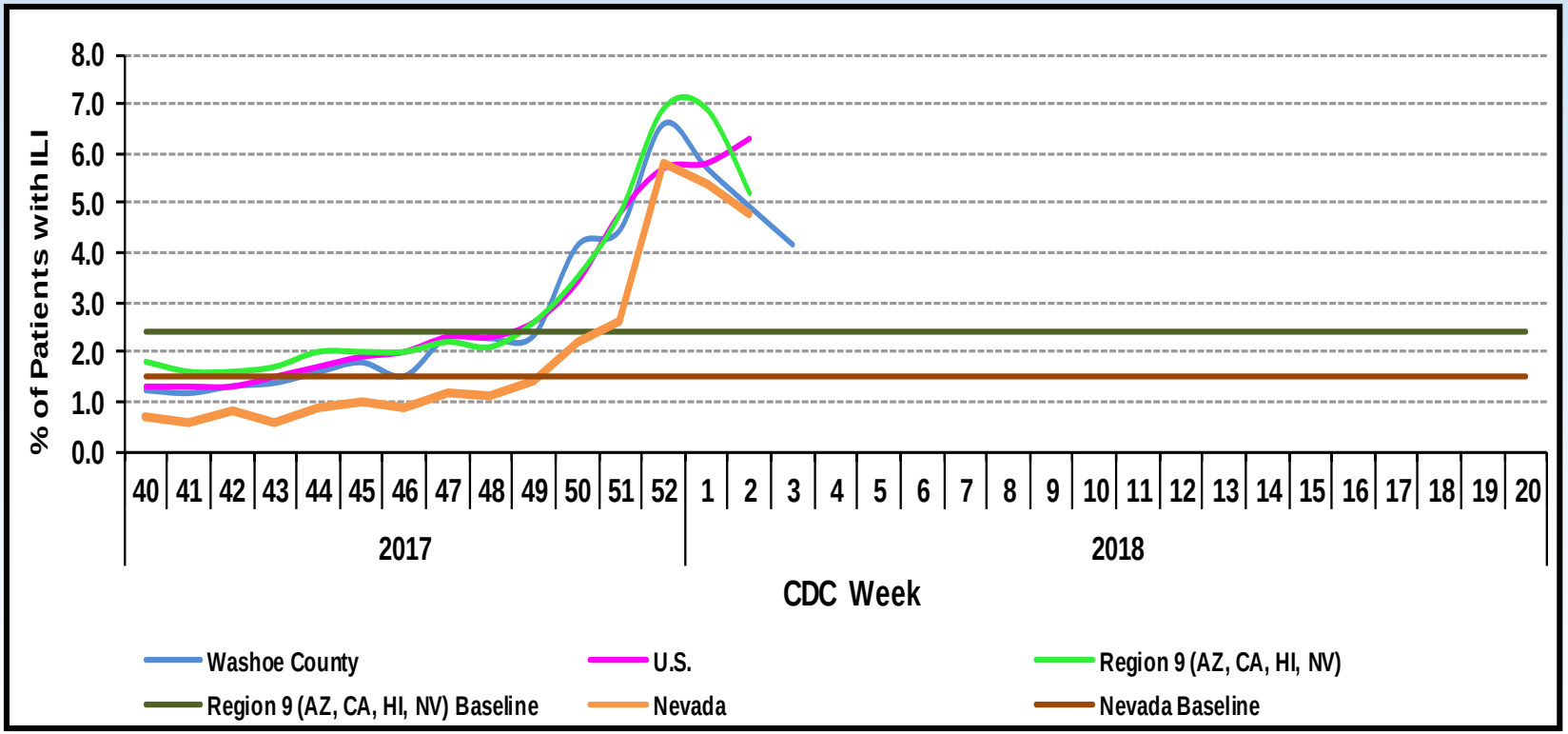
Figure 1. Number of ILI Cases by Week and Age Group Reported by Sentinel Providers, Washoe County Influenza Surveillance, 2017-2018.



Influenza-Like Illness (ILI) Surveillance

- CDC has additional ILI information available at https://www.cdc.gov/flu/weekly/fluviewinteractive.htm.

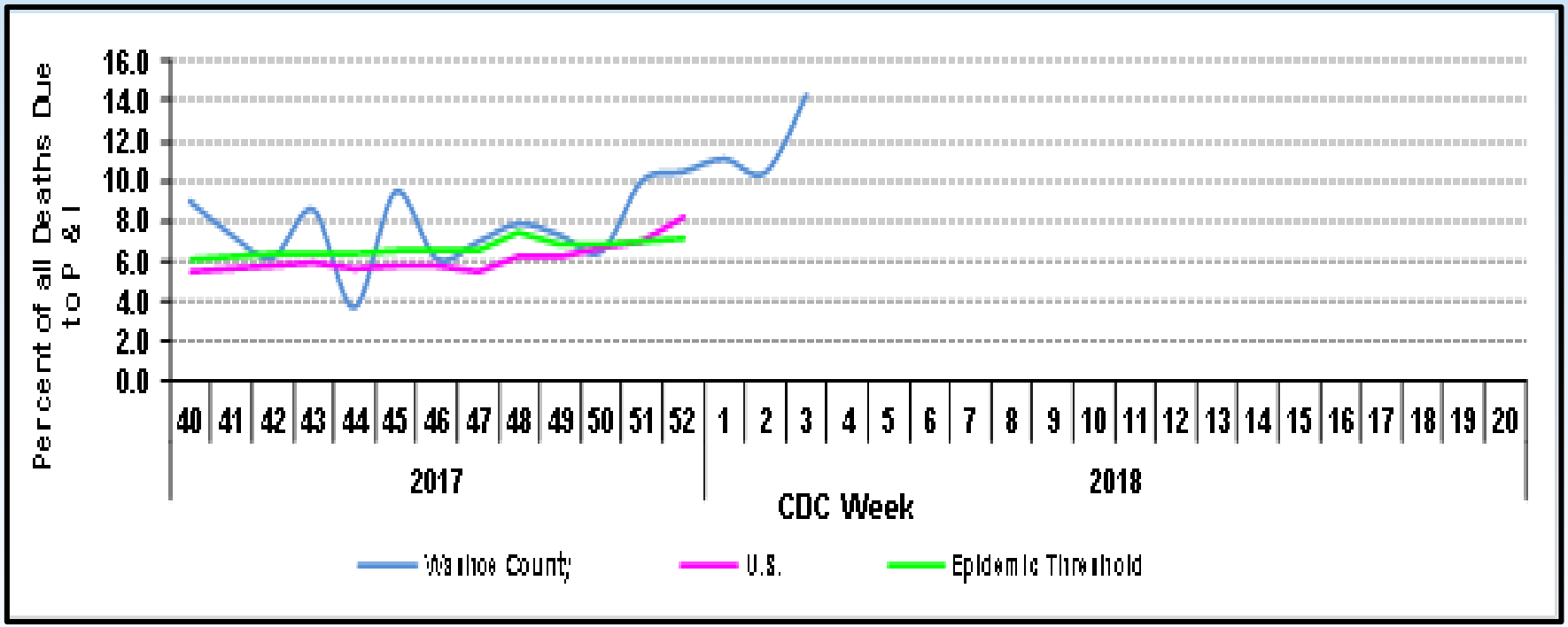
Figure 2. Proportion of Patients Seen with ILI by Sentinel Physicians, Washoe County Influenza Surveillance, 2017-2018.



Pneumonia & Influenza Mortality

- Death certificates processed by WCHD Vital Records are reviewed weekly

Figure 3. Pneumonia and Influenza Mortality, Washoe County Influenza Surveillance, 2017 – 2018.



Influenza Testing Results

INFLUENZA TESTING RESULTS

Note: All numbers are provisional and subject to change. Results are reported by the week of specimen collection date.

Sentinel Provider Testing Results:

Weekly Testing Results:

Week #	# Specimens Submitted	Results
3	0	

Specimens Submitted To Date:

Total specimens	Influenza type A	Influenza type B	Negative	Pending
20	18	0	2	0

Washoe County Total: 3,570	Influenza type A: 2,694	Influenza type B: 608	Influenza unk type: 268

Table 1. Number of Hospitalized Cases, ICU Cases and Fatalities for All Reported Laboratory-Confirmed Influenza, Washoe County Influenza Surveillance, 2017-2018.

#DIV/0! Denominator is zero formula unable to calculate	Current Week (Week 3) January 14 - January 20, 2018									Cumulative for 2017-2018 Influenza Season October 1, 2017 - January 20, 2018								
	Total	Hospitalized		Vax§		ICU		Death		Total	Hospitalized		Vax§		ICU		Death	
		#	%	#	%	#	%	#	%		#	%	#	%	#	%	#	%
Total # of cases reported	215	25	11.6	12	48.0	3	1.4	0	0.0	3570	393	11.0	136	34.6	65	1.8	15	0.4
Influenza A (2009 H1N1)	1	0	0.0	0	#DIV/0!	0	0.0	0	#DIV/0!	6	1	0.3	0	0.0	0	0.0	0	0.0
Influenza A (seasonal H3)	0	0	0.0	0	#DIV/0!	0	0.0	0	#DIV/0!	73	10	2.5	3	30.0	3	4.6	0	0.0
Influenza A (not subtyped)	27	14	56.0	10	71.4	1	33.3	0	#DIV/0!	683	233	59.3	86	36.9	38	58.5	9	60.0
Influenza A (RIDT*)	98	4	16.0	2	50.0	0	0.0	0	#DIV/0!	1932	98	24.9	30	30.6	13	20.0	3	20.0
Influenza B (RIDT*)	56	0	0.0	0	#DIV/0!	0	0.0	0	#DIV/0!	460	8	2.0	3	37.5	0	0.0	1	6.7
Influenza B (non-RIDT**)	23	7	28.0	0	0.0	2	66.7	0	#DIV/0!	148	42	10.7	14	33.3	11	16.9	2	13.3
Influenza (unknow n type, RIDT*)	10	0	0.0	0	#DIV/0!	0	0.0	0	#DIV/0!	268	1	0.3	0	0.0	0	0.0	0	0.0

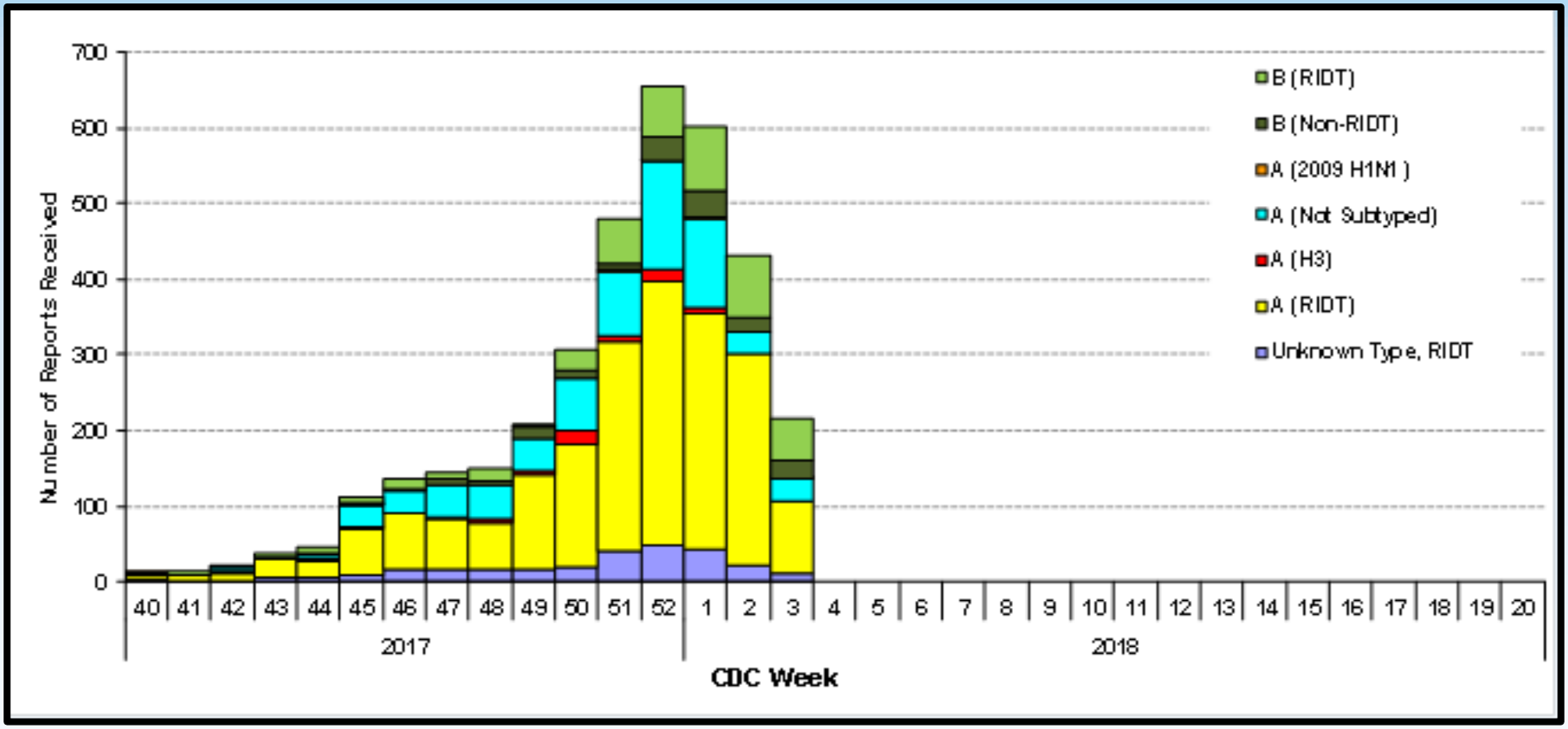
*RIDT: *Rapid Influenza Diagnostic Test

**Confirmatory tests other than RIDT may include culture, PCR, immunofluorescence, DFA/IFRA antibody staining, or rapid molecular assay.

§Vaccination status determined among hospitalized cases only. Patient is considered vaccinated if they received a flu vaccine ≥ 2 weeks prior to illness onset.

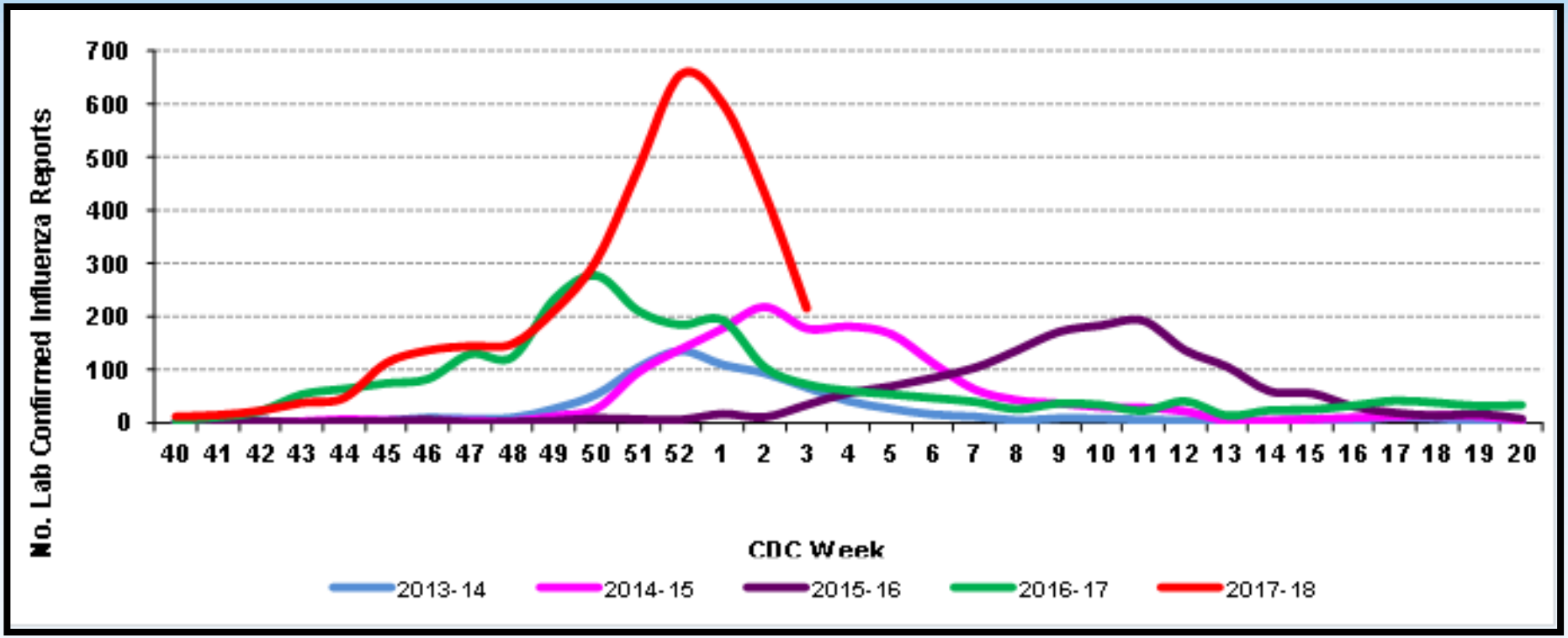
Influenza Test Results

Figure 5. Influenza Positive Tests by Week of Collection, Washoe County Influenza Surveillance, 2017-2018.



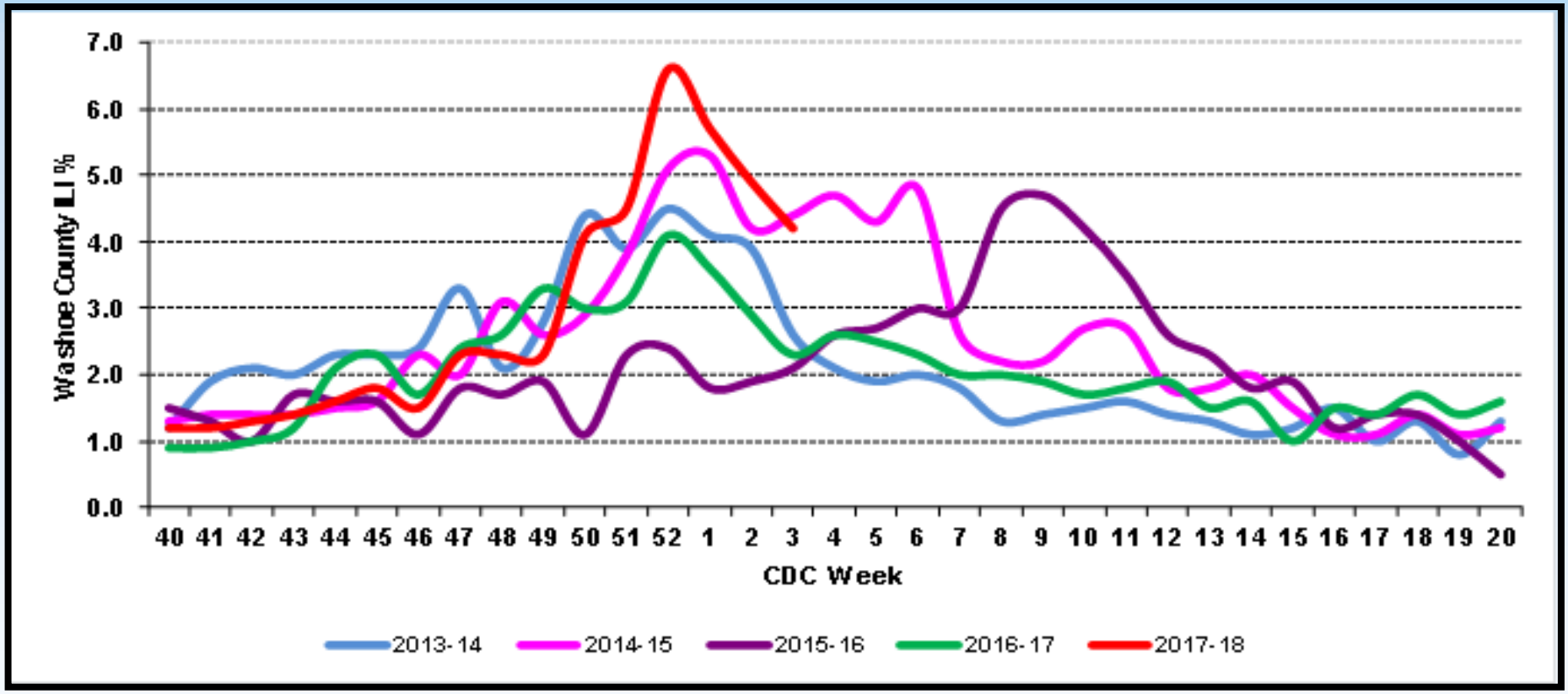
Comparison to Prior Seasons

Figure 6. Laboratory Confirmed Influenza Reports, 2013-2018 Seasons



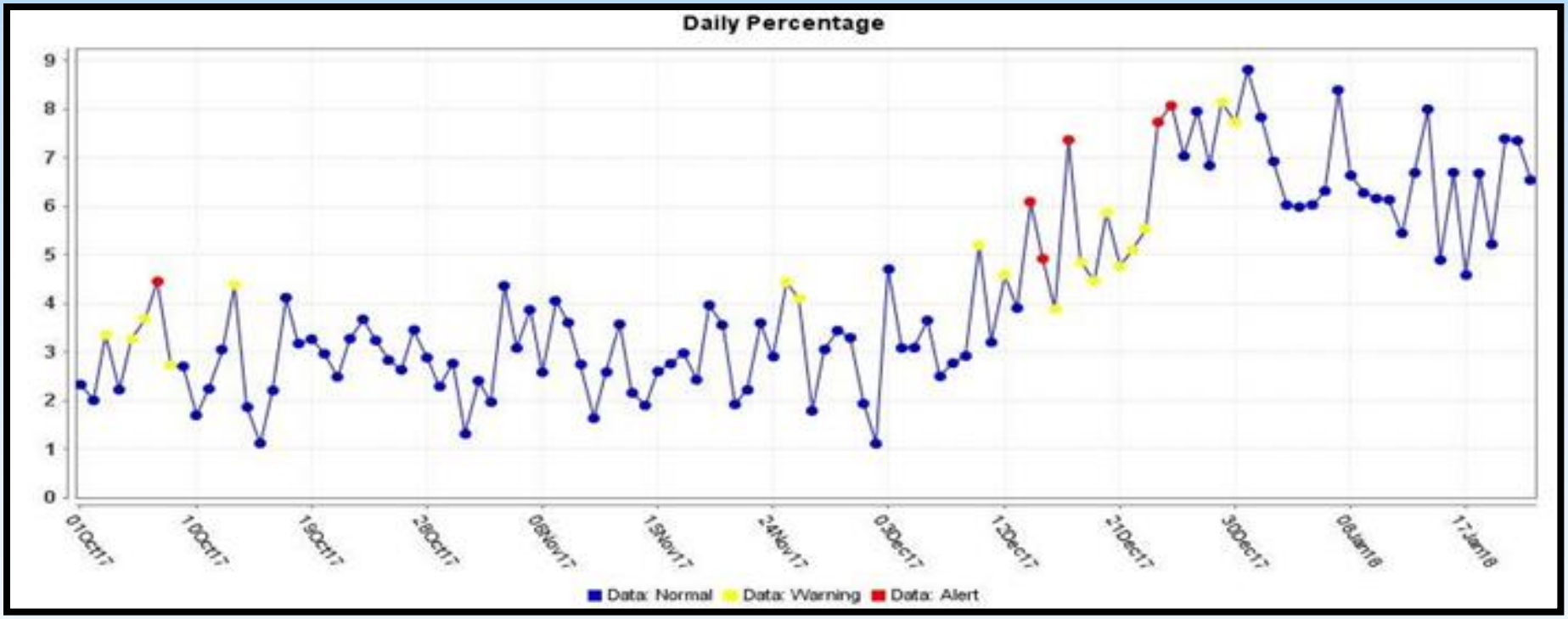
Comparison to Prior Seasons

Figure 7. Washoe County ILI Cases Reported by Sentinel Providers, 2013-2018 Seasons



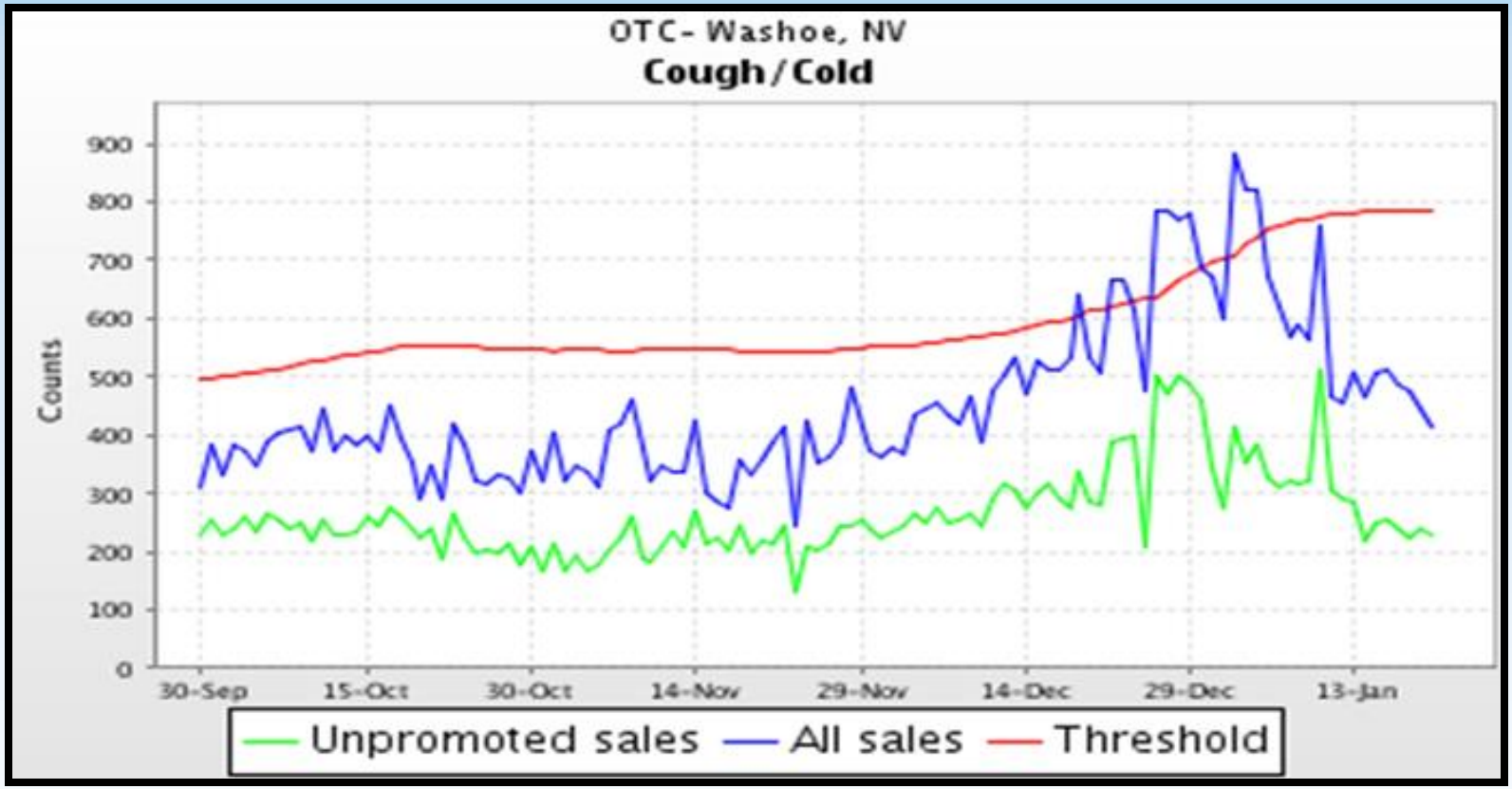
Syndromic Surveillance: ESSENCE

Figure 8. Percentage of ED and UC Visits for Influenza-Like Illness, Washoe County



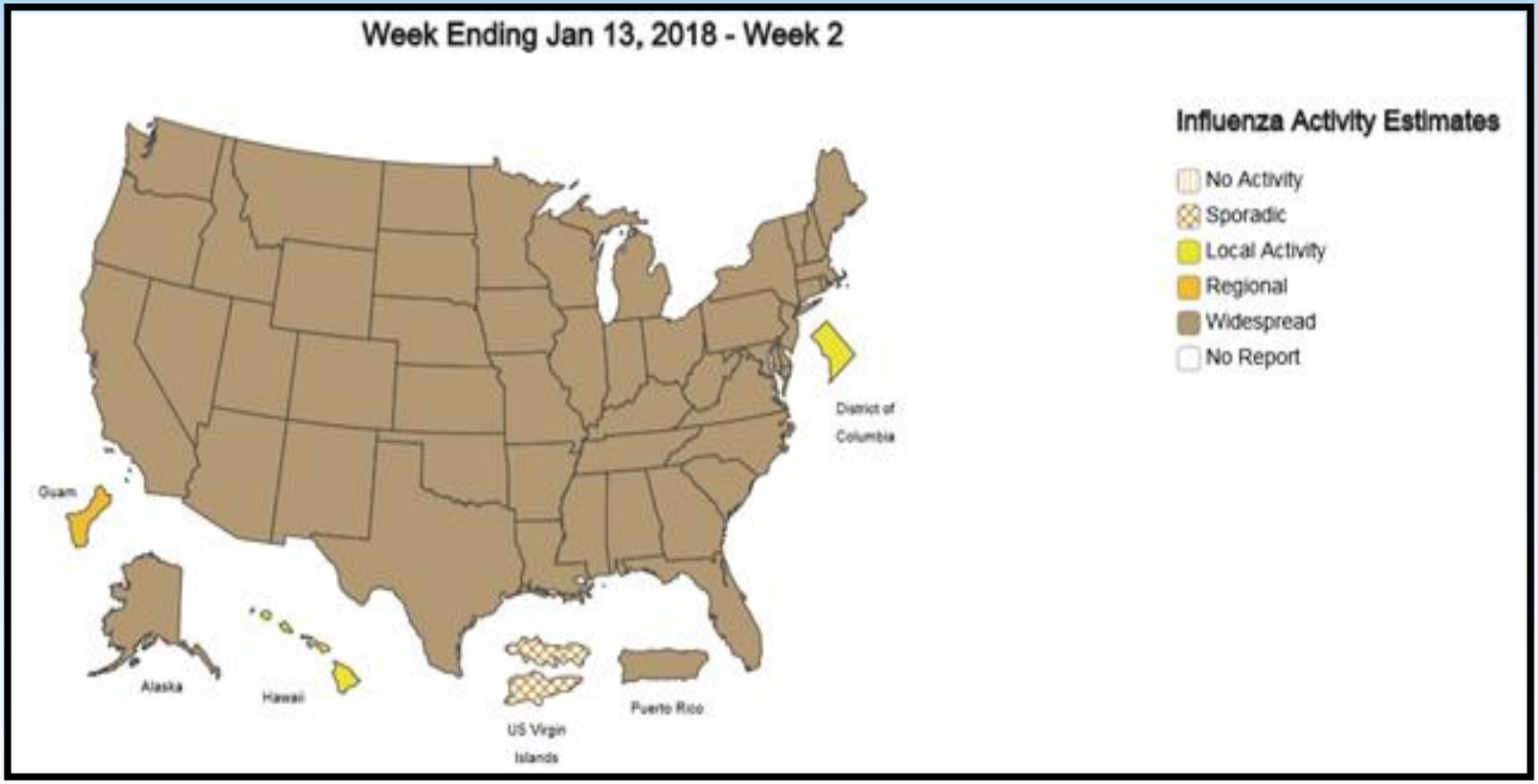
Syndromic Surveillance: OTC Sales

Figure 9. Over-the-Counter (OTC) sales for cough and/or cold remedies, Washoe County



National Flu Activity

Figure 10. Nationally: Geographic Spread of Influenza as Assessed by State and Territorial Epidemiologists:



Questions???

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