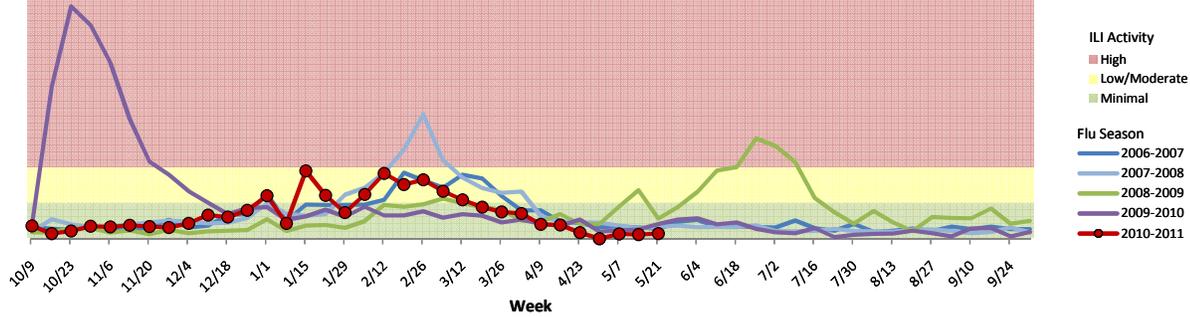


Influenza-like Illness Activity

Weekly Influenza-like Illness Activity

Influenza-like illness (ILI) activity as measured by the number of standard deviations from the epidemic threshold- Utah, 2010-2011



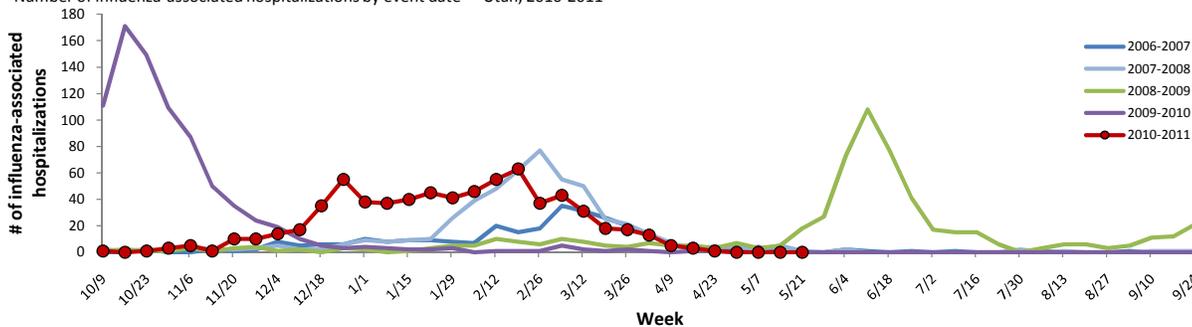
Influenza-like Illness (ILI) Activity Levels by Health District - Utah

Health District	ILI Activity
Bear River	No Data
Central	No Data
Davis	Minimal
Salt Lake	Minimal
Southwest	No Data
Summit	Minimal
Tooele	Minimal
TriCounty	Minimal
Utah	Minimal
Wasatch	No Data
Weber-Morgan	No Data
State	Minimal

Severity Measures

Influenza-associated Hospitalizations

Number of influenza-associated hospitalizations by event date* - Utah, 2010-2011



*Event date is calculated based on a hierarchy of dates: 1. onset date 2. specimen collection date 3. date reported to public health.

Summary Data for Influenza-associated Hospitalizations, 2010-2011 Season to Date

Variable		Number of cases	% of IAH cases	% in Utah pop	p value*
Sex	Male	346	50.5%	50.3%	0.9131
	Female	339	49.5%	49.7%	0.9131
	Unknown	0	0.0%	NA	--
Race	White, Not Hispanic	522	76.2%	82.0%	<0.0001
	Hispanic	107	15.6%	11.6%	0.0010
	Native Hawaiian/Pacific Islander	24	3.5%	0.7%	<0.0001
	Black/African American	18	2.6%	0.9%	<0.0001
	American Indian	7	1.0%	1.1%	0.7849
	Asian	7	1.0%	1.9%	0.1016
	Unknown	0	0.0%	NA	--

*If a p value is ≤ 0.05 , there is a significant difference between the percentage seen in IAH and the general Utah population.

Severity Measures, cont.

Cases of Influenza-associated Hospitalizations by Age Group, Utah, 2010-2011

Age Group	Total Cases Season to Date	Percent of Cases	Cases/100,000 Population	New Cases in Past Week
0-4 years	184	26.9%	68.0	0
5-24 years	104	15.2%	11.0	0
25-49 years	130	19.0%	13.1	0
50-64 years	93	13.6%	23.2	0
65+ years	174	25.4%	70.4	0
Total	685	100%	24.0	0

Influenza-associated Hospitalizations by Health District, 2010-2011 Season to Date

Health District	Total Hospitalizations
Bear River	26
Central	22
Davis	51
Salt Lake	370
Southeastern	3
Southwest	35
Summit	8
Tooele	4
TriCounty	9
Utah	73
Wasatch	1
Weber-Morgan	83

Summary Data for Influenza-associated Hospitalizations, 2010-2011 Season to Date

Variable	Yes		No		Unknown	
	Number of Cases	% of cases	Number of Cases	% of cases	Number of Cases	% of cases
ICU	98	14.3%	522	76.2%	65	9.5%
Ventilator	44	6.4%	573	83.6%	68	9.9%
Died	27	3.9%	604	88.2%	54	7.9%
Neurological Symptoms	90	13.1%	518	75.6%	77	11.2%
Healthcare Worker	7	1.0%	541	79.0%	137	20.0%
Pregnant	30	4.4%	638	93.1%	17	2.5%
Heart Disorder	126	18.4%	484	70.7%	75	10.9%
Blood Disorder	18	2.6%	589	86.0%	78	11.4%
Kidney Disorder	53	7.7%	557	81.3%	75	10.9%
Metabolic Disorder	111	16.2%	494	72.1%	80	11.7%
Chronic Respiratory Disorder	193	28.2%	418	61.0%	74	10.8%
Immunosuppressed	75	10.9%	532	77.7%	78	11.4%
Neurological Disorder	90	13.1%	518	75.6%	77	11.2%
Seizure Disorder	31	4.5%	577	84.2%	77	11.2%
Bacterial Co-infection	14	2.0%	590	86.1%	81	11.8%
Obese**	125	31.6%	192	48.6%	78	19.7%
Morbidly Obese**	40	10.1%	277	70.1%	78	19.7%
Risk Factor***	626	91.4%	59	8.6%	0	0.0%
Vaccinated	200	29.2%	332	48.5%	153	22.3%

**Obesity and morbid obesity is not considered for individuals under 18 years or pregnant women. Thus total counts will not equal the total number of influenza-associated hospitalizations

***Risk factors for influenza include: persons < 5 years, persons ≥ 65 years, pregnant women, and persons with a chronic medical condition.

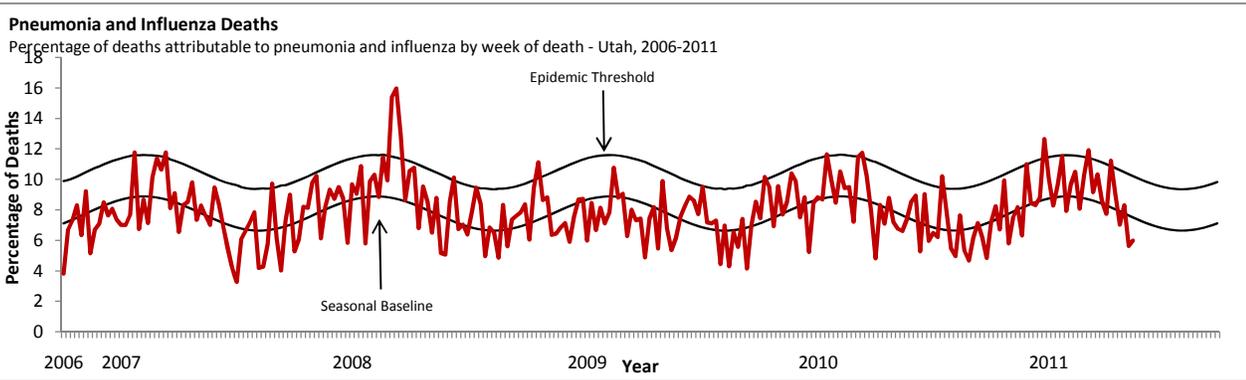
Case Counts of Influenza-associated Hospitalizations, Utah, 2010-2011

Case Status	Current Week	Current Week % of Cases	Season Total	Season % of Cases
Confirmed*	0	0.0%	627	91.5%
Probable**	0	0.0%	58	8.5%
Total	0	0.0%	685	100.0%

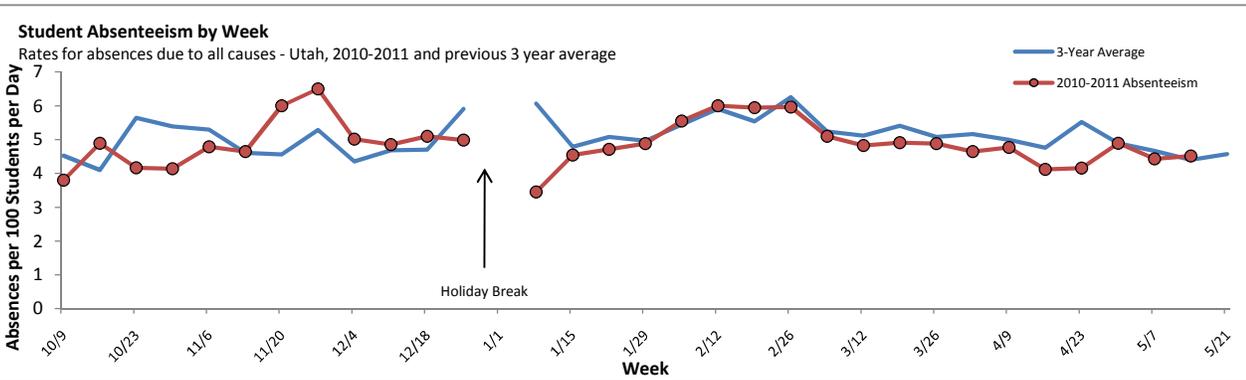
*Confirmed= hospitalized with serology, DFA, PCR, or culture positive influenza test

**Probable= hospitalized with a positive rapid test

Pneumonia and Influenza Deaths



School Absenteeism



Weekly Student Absenteeism - Utah, 2010-2011

Health District	All absences per 100 students/day
Bear River	3.6
Central	3.0
Davis	3.4
Salt Lake	4.0
Southeast	5.3
Southwest	--
Summit	--
Tooele	6.1
TriCounty	3.0
Utah	4.3
Wasatch	5.8
Weber-Morgan	6.7
State	4.4

Virologic Data

Unified State Laboratory: Public Health Virologic Data

	Season to-date		Current MMWR week	
	Number	Percent	Number	Percent
Specimens tested	2,082	--	9	--
Positive specimens	1286	61.8%	0	0.0%
Positive Specimens by Type/Subtype				
Influenza A	1098	85.4%	0	0.0%
A (2009 H1N1)	280	25.5%	0	0.0%
A (H1)	0	0.0%	0	0.0%
A (H3)	810	73.8%	0	0.0%
A (subtyping not performed)	0	0.0%	0	0.0%
A (unable to subtype)	1	0.1%	0	0.0%
Influenza B	195	15.2%	0	0.0%

