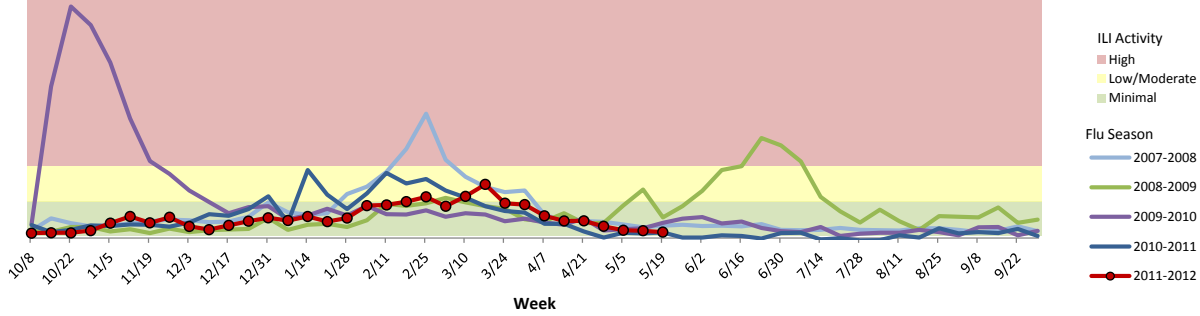


Influenza-like Illness Activity

Weekly Influenza-like Illness Activity

Influenza-like illness (ILI) activity as measured by the number of standard deviations from the epidemic threshold - Utah, 2011-2012



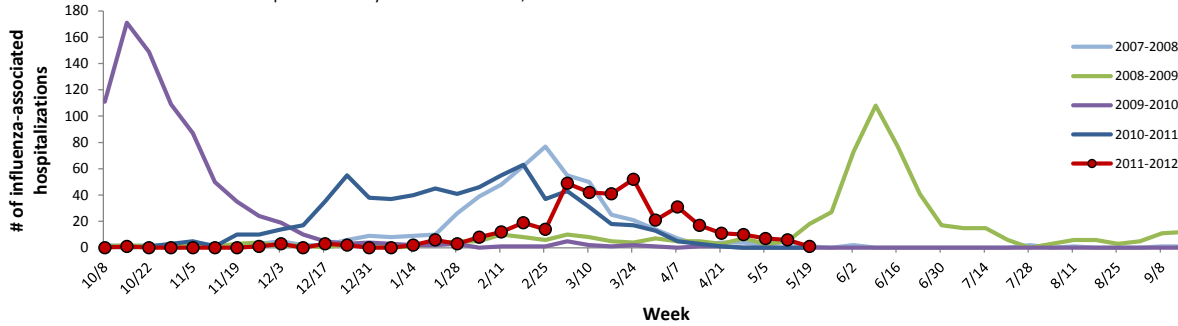
Influenza-like Illness (ILI) Activity Levels by Health District - Utah

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

Severity Measures

Influenza-associated Hospitalizations

Number of influenza-associated hospitalizations by event date* - Utah, 2011-2012



*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, 2011-2012 Season to Date

Variable		Number of cases	% of IAH cases	% in Utah pop	p value*
Sex	Male	200	55.2%	50.3%	0.0598
	Female	162	44.8%	49.7%	0.0598
	Unknown	0	0.0%	NA	--
Race	White, Not Hispanic	271	74.9%	82.0%	0.0004
	Hispanic	54	14.9%	11.6%	0.0478
	Native Hawaiian/Pacific Islander	22	6.1%	0.7%	<0.0001
	Black/African American	5	1.4%	0.9%	0.3747
	American Indian	1	0.3%	1.1%	0.1237
	Asian	9	2.5%	1.9%	0.3859
	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, 2011-2012

Age Group	Total Cases Season to Date	Percent of Cases	Cases/100,000 Population	New Cases in Past Week
0-4 years	81	22.4%	29.9	0
5-24 years	55	15.2%	5.8	0
25-49 years	80	22.1%	8.1	0
50-64 years	62	17.1%	15.5	0
65+ years	84	23.2%	34.0	1
Total	362	100%	12.7	1

Influenza-associated Hospitalizations by Health District, 2011-2012 Season to Date

Health District	Total Hospitalizations
Bear River	12
Central	20
Davis	26
Salt Lake	201
Southeastern	1
Southwest	26
Summit	5
Tooele	1
TriCounty	0
Utah	39
Wasatch	0
Weber-Morgan	31

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable	Yes		No		Unknown	
	Number of Cases	% of cases	Number of Cases	% of cases	Number of Cases	% of cases
ICU	65	18.0%	286	79.0%	11	3.0%
Ventilator	24	6.6%	323	89.2%	15	4.1%
Died	10	2.8%	343	94.8%	9	2.5%
Neurological Symptoms	44	12.2%	306	84.5%	12	3.3%
Healthcare Worker	4	1.1%	287	79.3%	71	19.6%
Pregnant	12	3.3%	346	95.6%	4	1.1%
Heart Disorder	72	19.9%	277	76.5%	13	3.6%
Blood Disorder	10	2.8%	332	91.7%	20	5.5%
Kidney Disorder	29	8.0%	322	89.0%	11	3.0%
Metabolic Disorder	73	20.2%	274	75.7%	15	4.1%
Chronic Respiratory Disorder	141	39.0%	209	57.7%	12	3.3%
Immunosuppressed	34	9.4%	313	86.5%	15	4.1%
Neurological Disorder	44	12.2%	306	84.5%	12	3.3%
Seizure Disorder	16	4.4%	332	91.7%	14	3.9%
Bacterial Co-infection	11	3.0%	338	93.4%	13	3.6%
Obese**	66	28.2%	68	29.1%	100	42.7%
Morbidly Obese**	16	6.8%	118	50.4%	100	42.7%
Risk Factor***	316	87.3%	46	12.7%	0	0.0%
Vaccinated	99	27.3%	168	46.4%	95	26.2%

**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, 2011-2012

Case Status	Current Week	Current Week % of Cases	Season Total	Season % of Cases
Confirmed*	1	100.0%	340	93.9%
Probable**	0	0.0%	22	6.1%
Total	1	100.0%	362	100.0%

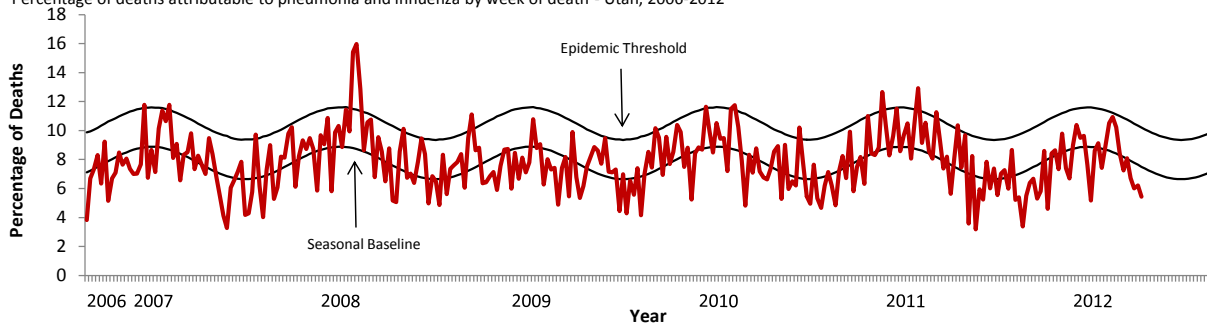
*Confirmed= hospitalized with serology, DFA, PCR, or culture positive influenza test

**Probable= hospitalized with a positive rapid test

Pneumonia and Influenza Deaths

Pneumonia and Influenza Deaths

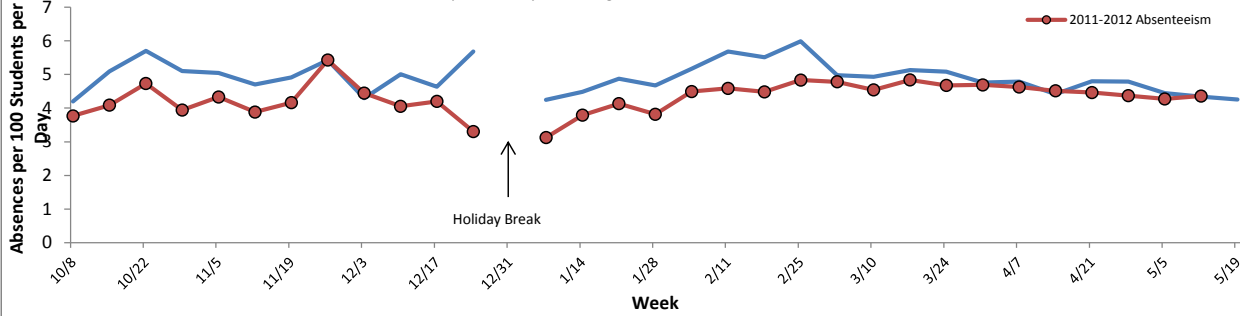
Percentage of deaths attributable to pneumonia and influenza by week of death - Utah, 2006-2012



School Absenteeism

Student Absenteeism by Week

Rates for absences due to all causes - Utah, 2011-2012 and previous 3 year average



Weekly Student Absenteeism - Utah, 2011-2012

Health District	All absences per 100 students/day
Bear River	4.1
Central	3.3
Davis	3.3
Salt Lake	3.7
Southeast	4.5
Southwest	5.7
Summit	5.3
Tooele	5.4
TriCounty	4.8
Utah	2.0
Wasatch	4.1
Weber-Morgan	5.9
State	4.4

Virologic Data

Unified State Laboratory: Public Health Virologic Data

	Season to-date		Current MMWR week	
	Number	Percent	Number	Percent
Specimens tested	1,616	--	11	--
Positive specimens	1,141	70.6%	5	45.5%
Positive Specimens by Type/Subtype				
Influenza A	1,122	98.3%	3	60.0%
A (2009 H1N1)	704	62.7%	0	0.0%
A (H1)	0	0.0%	0	0.0%
A (H3)	418	37.3%	3	100.0%
A (subtyping not performed)	0	0.0%	0	0.0%
A (unable to subtype)	0	0.0%	0	0.0%
Influenza B	19	1.7%	2	40.0%

Influenza Positive Tests

Influenza positive specimens tested by Unified State Laboratory: Public Health (USLPH) - Utah, 2011-2012

