



Indiana State Department of Health

WEEKLY INFLUENZA REPORT

Data as of Monday, April 12, 2010 (CDC Week 14)

The following report is meant to provide local health departments, hospital administrators, and health professionals with an in depth understanding of the burden of influenza-like illness (ILI) and pneumonia on Indiana residents to help guide clinical practice and community mitigation efforts. Data from several surveillance programs were utilized to produce this report. While the Indiana State Department of Health (ISDH) Laboratory is currently testing a representative number of samples for the 2009 H1N1 influenza virus, the majority of the ISDH surveillance efforts are unable to discern between influenza illness due to this novel strain and other circulating viruses. Caution should be taken when examining this data, understanding that it is mostly descriptive of all circulating viruses and not just 2009 H1N1.

For further information about the data presented in this report, please call the ISDH Surveillance and Investigation Division at 317-233-7125.

Key Points for Week 14, 2010

Burden of Influenza-Like Illness (ILI) in the Community

- The percentage of ILI reported by the emergency department (ED) surveillance system decreased slightly compared to the previous week (1.3% compared to 1.5%, respectively).
- The percent of patients presenting at sentinel providers with ILI decreased slightly compared to the previous week (0.5% compared to 0.7%, respectively).

Severity of Influenza-Like Illness and/or Pneumonia in the Community

- The rate of ILI and/or pneumonia-related hospitalizations per 100 inpatient beds decreased slightly (decreased by 7.6%) compared to the weighted moving average from the previous three weeks.
- 4% (2/46) of reporting hospitals stated that the number of ILI-related hospitalizations is currently “slightly elevated” or “elevated” compared to previous years. This is compared to 10% from the previous reporting week.
- There were no confirmed influenza-related deaths reported during Week 14, 2010.
 - There have been a total of 42 influenza-related deaths since June 1, 2009, of which 39 had confirmed 2009 H1N1.

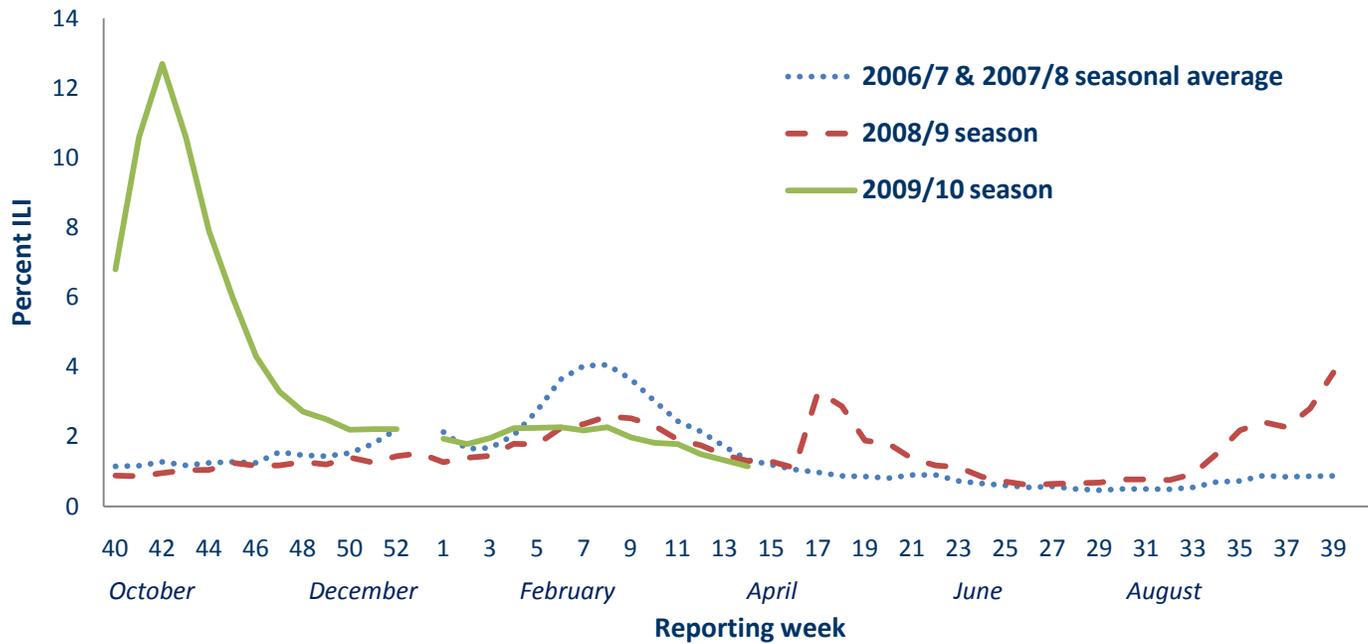
Effect of Influenza-like Illness on Populations at Risk

- ILI-related absentee rates in health care personnel decreased slightly (decreased by 23%) compared to the weighted moving average from the previous three weeks (0.15 compared to 0.20 ILI-related absences per 100 employees, respectively).

Laboratory and Vaccination Information

- During Week 14, 2010, 1/7 (14%) specimens tested by the ISDH Laboratory for influenza were positive.
- Since September 1, 2009, 98.4% (478/486) of specimens that were positive for influenza were 2009 H1N1.
 - 84% of the 2009 H1N1-positive specimens submitted have been collected from persons 0–24 years of age.
- Other respiratory viruses have been circulating in addition to influenza (e.g., Adenovirus, Enterovirus), but none were identified in samples submitted during Week 14, 2010.
- In Indiana, as of April 13, 2010, a total of 1,341,981 2009 H1N1 vaccinations had been given and recorded into the Children and Hoosiers Immunization Registry Program (CHIRP) database.
- According to CHIRP data, 29.4% of the estimated number of “high risk” persons in Indiana have received the 2009 H1N1 vaccine.
- Of the 321,081 children, 6 months–9 years of age, who have received the 1st dose of 2009 H1N1, 57% (184,655 children) received it >28 days ago and have not received the 2nd recommended dose.
 - A total of 107,004 children, 6 months–9 years of age, have received the recommended two doses of 2009 H1N1 (The CDC recommends that children, 6 months–9 years of age, receive two doses of 2009 H1N1 vaccine at least 28 days apart to have a high level of immunity).

Percent of patients who presented at an emergency department (ED) with a chief complaint relating to influenza-like illness — Indiana, 2009/10 & 2008/9 seasons vs. 2006/7 & 2007/8 seasonal averages.*† (EDs currently reporting = 76)
 Health District-level data is available at the end of this report.



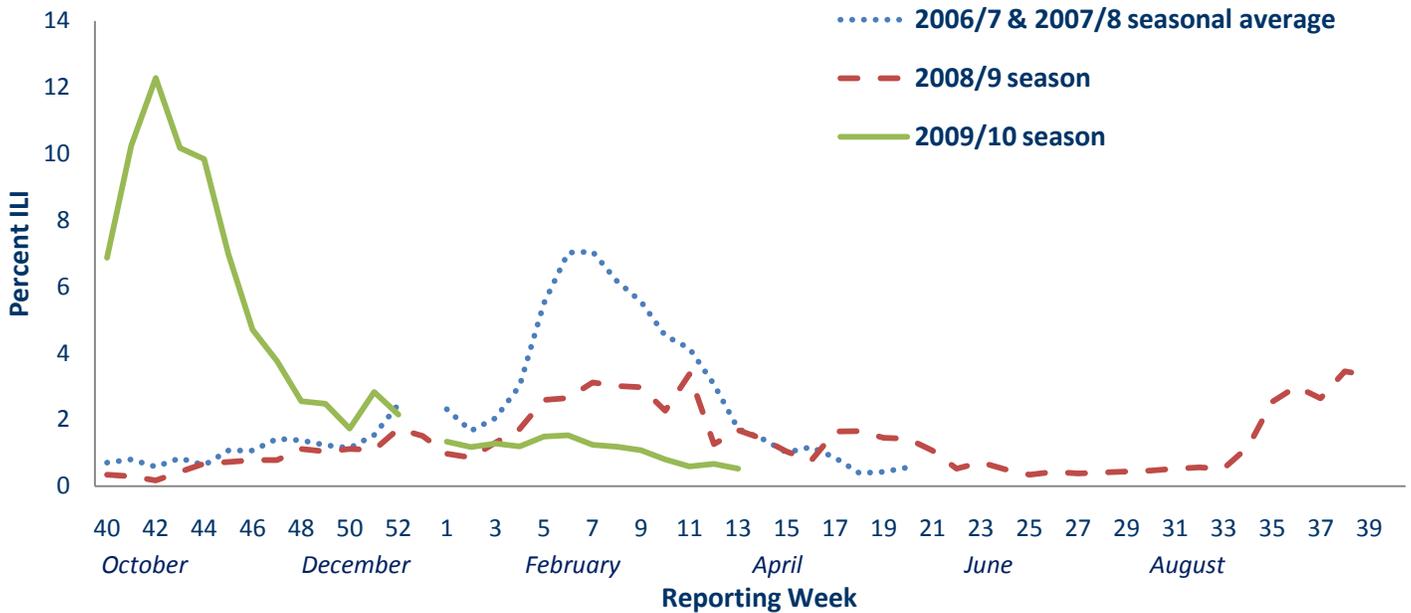
*Data obtained from the ISDH Public Health Emergency Surveillance System (PHESS). The 2008/9 season had a “Week 53” which the 2006/7, 2007/8, and 2009/10 seasons did not have, explaining the break in the lines.

† PHESS data is very timely, so the data reported is for the most current week.

Key Findings

- The percentage of ILI reported by the emergency department (ED) surveillance system decreased slightly compared to the previous week (1.3% compared to 1.5%, respectively).

Percent of patients who presented at sentinel provider clinics with symptoms relating to influenza-like illness — Indiana, 2009/10 & 2008/9 seasons vs. 2006/7 & 2007/8 seasonal averages.*† (Number of sentinel provider clinics who reported this week = 24)



*Data obtained from the ISDH Sentinel Influenza Surveillance System. No data is available for weeks 21-39 during the 2006/7 and 2007/8 seasons due to decreased reporting during traditionally non-influenza months. The 2008/9 season had a “Week 53” which the 2006/7, 2007/8, and 2009/10 seasons did not have, explaining the break in the lines.

† Sentinel data has limited timeliness, so the data reported is for the week before the most current week. This data is subject to change as sentinel sites can back-date their weekly reports.

Sentinel reported influenza-like illness (ILI) by sentinel type and reporting week — Indiana, 2009/10 season.*

Reporting Week	All Reporters (%ILI)	Universities (%ILI)	Non-Universities (%ILI)
Week 13, 2010	0.5	0.4	0.6
Week 12, 2010	0.7	0.5	0.8
Week 11, 2010	0.6	0.3	0.6

*Data obtained from the ISDH Sentinel Influenza Surveillance System. This data is subject to change as sentinel sites can back-date their weekly reports.

Sentinel reported influenza-like illness (ILI) by age category for the most current week reported — Indiana, 2009/10 season.*†

Age category (yrs)	Total number with ILI	Percent with ILI
0-4	6	15.4
5-24	22	56.4
25-49	7	17.9
50-64	2	5.1
65+	2	5.1
Total	39	100.0

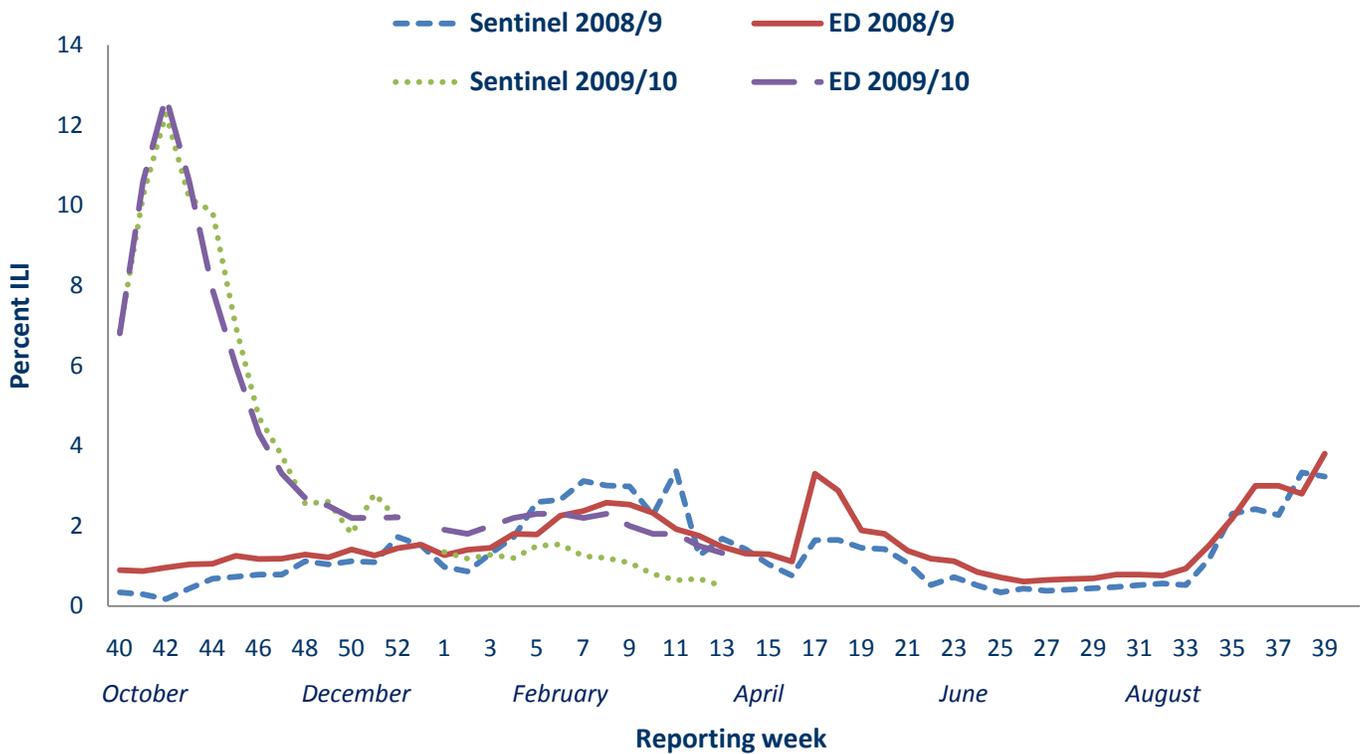
**Data obtained from the ISDH Sentinel Influenza Surveillance System.*

†Sentinel data has limited timeliness, so the data reported is for the week before the most current week. This data is subject to change as sentinel sites can back-date their weekly reports.

Key Findings

- The percent of patients presenting at sentinel providers with ILI decreased slightly compared to the previous week (0.5% compared to 0.7%, respectively).

Emergency department versus sentinel provider clinic data regarding the percent of patients presenting with influenza-like illness — Indiana, 2008/9 and 2009/10 influenza seasons.*



*Data obtained from the ISDH Sentinel Influenza Surveillance System and the ISDH Public Health Emergency Surveillance System (PHESS). The 2008/9 season had a “Week 53” which the 2006/7, 2007/8, and 2009/10 seasons did not have, explaining the break in the lines.

† Sentinel data has limited timeliness, so the data reported is for the week before the most current week. This data is subject to change as sentinel sites can back-date their weekly reports.

Reporting Week	ED Surveillance (%ILI)	Sentinel Surveillance (%ILI)
Week 13, 2010	1.3	0.5
Week 12, 2010	1.5	0.7
Week 11, 2010	1.8	0.6

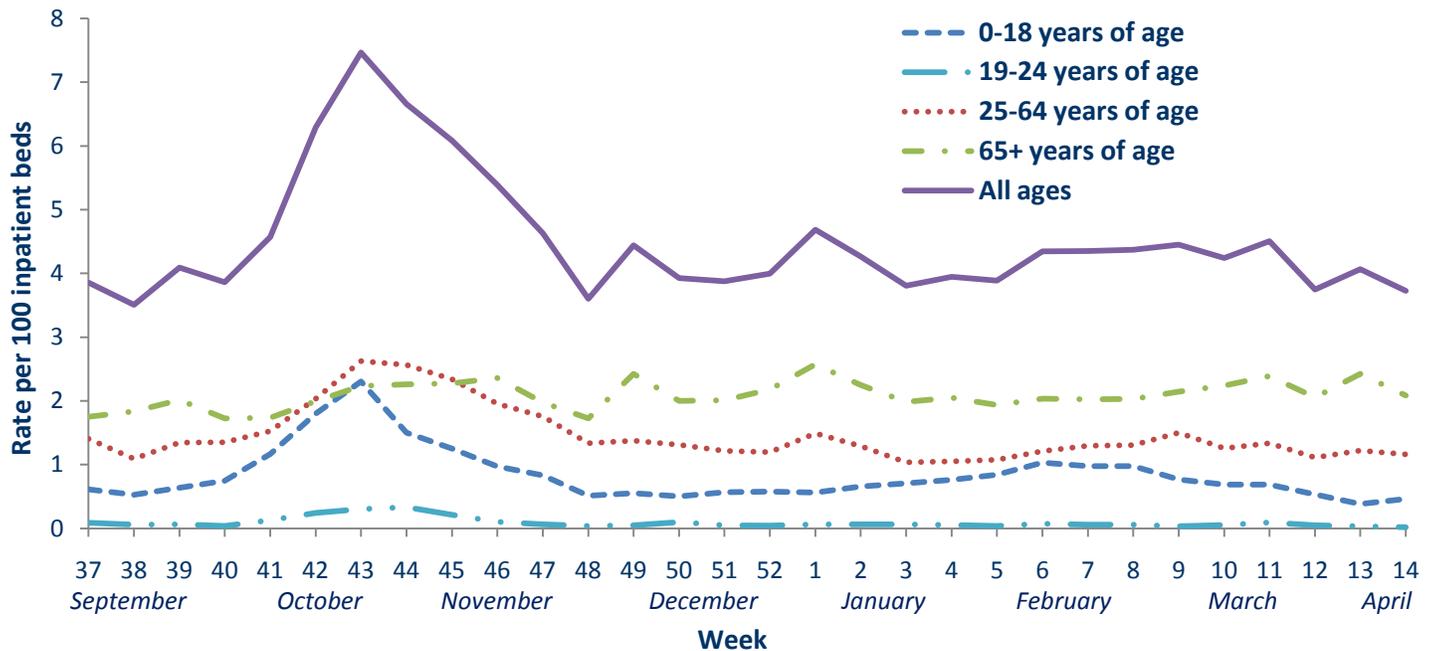
Key Findings

- During Week 13, 2010, the percentage of patients presenting with ILI reported by EDs and sentinel providers decreased slightly compared to the previous week.
 - Overall, the sentinel and emergency department ILI data continue to follow common trends.

Number of newly hospitalized patients with influenza-like illness and/or pneumonia syndrome, by age category — Indiana, 2009/10 influenza season. Health District-level data is available at the end of this report.*

	This week's numbers [59 hospitals (11,275 beds) reporting]			2010 total		Total since September 9, 2009	
	Age category (yrs)	Total number	Rate per 100 inpatient beds †	Total number	Rate per 100 inpatient beds †	Total number	Rate per 100 inpatient beds †
Number of persons hospitalized with influenza and/or pneumonia syndrome	0-4	40	0.35	1,199	0.60	2,665	0.57
	5-18	12	0.11	261	0.13	1,392	0.30
	19-24	2	0.02	107	0.05	440	0.09
	25-49	40	0.35	932	0.47	2,990	0.64
	50-64	91	0.81	1,537	0.77	3,971	0.85
	65+	235	2.08	4,284	2.15	9,754	2.08
	Unknown	0	0.00	9	0.00	74	0.02
	Total	420	3.73	8,329	4.18	21,286	4.55

Rate of new influenza-like illness and/or pneumonia syndrome hospitalizations per 100 available inpatient beds, by reporting week and age category — Indiana, 2009/10 influenza season.* † (Some age categories were grouped to improve the ability to decipher the figure)



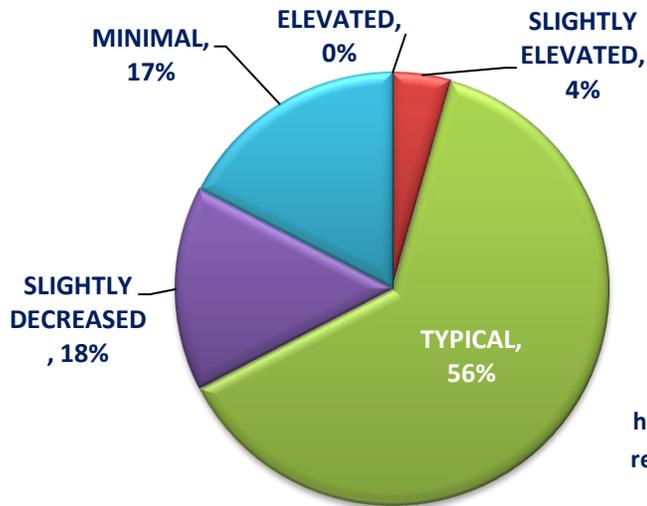
*Data obtained from the ISDH Pneumonia and Influenza Hospitalization Surveillance Program. This data was collected and reported by infection preventionists and other staff from hospitals throughout Indiana. It reflects cases who presented with symptoms or had ICD-9/10 codes relating to influenza-like illness and/or pneumonia.

†The number of inpatient beds is the total number of available inpatient beds currently available at the reporting hospitals and include the following bed classifications: intensive care unit, medical and surgical, medical and surgical negative pressure isolation, pediatrics, pediatric intensive care unit, emergency department, emergency department negative pressure isolation, and skilled beds.

Key Findings

- The rate of ILI and/or pneumonia-related hospitalizations per 100 inpatient beds decreased slightly (decreased by 7.6%) compared to the weighted moving average from the previous three weeks.
 - A weighted moving average (utilizing the previous three weeks' data) is used as the baseline to determine if significant increases/decreases are occurring in ILI and pneumonia -related hospitalization rates.
- Reported cases of pneumonia syndrome are inclusive of all pneumonias, not just influenza-associated pneumonias (e.g., Klebsiella, MRSA).
- The hospitalization data were reported from either admitting or discharge diagnosis depending on each hospital's ability to report their data.

Extent of the burden of influenza-like illness-related hospitalizations per hospital reports — Indiana, Current Reporting Week, 2009/10 influenza season.*



**N = 46
hospitals
reporting**

ELEVATED = Highly elevated number of ILI-related hospitalizations compared to previous years (more than double)
SLIGHTLY ELEVATED = Slight increase in the number of ILI-related hospitalizations compared to previous years
TYPICAL = Roughly the same number of ILI-related hospitalizations compared to previous years
SLIGHTLY DECREASED = Decreased number of ILI-related hospitalizations compared to previous years
MINIMAL = No/minimal ILI-related hospitalizations compared to previous years

**Data obtained from the ISDH Pneumonia and Influenza Hospitalization Surveillance Program. This data was collected and reported by infection preventionists and other staff from hospitals throughout Indiana. It reflects each hospital's perception of the burden of influenza-like illness*

Key Findings

- 4% (2/46) of reporting hospitals stated that the number of ILI-related hospitalizations is currently “slightly elevated” or “elevated” compared to previous years. This is compared to 10% from the previous reporting week.

Number of new deaths associated with influenza-like illness and/or pneumonia syndrome, by age category — Indiana, 2009/10 influenza season. Health District-level data is available at the end of this report.*

	This week's numbers [59 hospitals (11,275 beds) reporting]		2010 totals	Numbers since September 9, 2009
	Age category (yrs)	Total number	Total number	Total number
Number of deaths associated with influenza and/or pneumonia syndrome	0-4	0	0	2
	5-18	0	1	6
	19-24	0	0	4
	25-49	0	11	43
	50-64	0	27	73
	65+	4	154	335
	Unknown	0	2	6
	Total	4	195	469

**Data obtained from the ISDH Pneumonia and Influenza Hospitalization Surveillance Program. This data was collected and reported by infection preventionists and other staff from hospitals throughout Indiana. It reflects case patients who presented with symptoms or had ICD-9/10 codes relating to influenza-like illness and/or pneumonia.*

Key Findings

- The 4 reported Indiana deaths were from ILI and/or pneumonia syndrome. These are not confirmed 2009 H1N1 deaths or influenza-associated pneumonias.
- Influenza associated deaths are reportable to the health department within 72 hours of knowledge of death under the communicable disease rule.

Number of new deaths associated with laboratory confirmed influenza, by age category – Indiana, June 2009-present*

	This week's numbers		2010 totals	Numbers since June 1, 2009
	Age category (yrs)	Number of influenza deaths (# with confirmed 2009 H1N1)	Number of influenza deaths (# with confirmed 2009 H1N1)	Number of influenza deaths (# with confirmed 2009 H1N1)
Number of deaths associated with influenza and/or pneumonia syndrome	0-4	0(0)	0(0)	3(3)
	5-18	0(0)	0(0)	4(3)
	19-24	0(0)	0(0)	4(4)
	25-49	0(0)	2(1)	20(19)
	50-64	0(0)	1(1)	6(6)
	65+	0(0)	1(1)	4(3)
	Unknown	0(0)	0(0)	1(1)
	Total	0(0)	4(3)	42(39)

**Data obtained from the ISDH Laboratory and via the Indiana mandatory influenza-related death reporting rule. The case must be a confirmed influenza case to be counted.*

Key Findings:

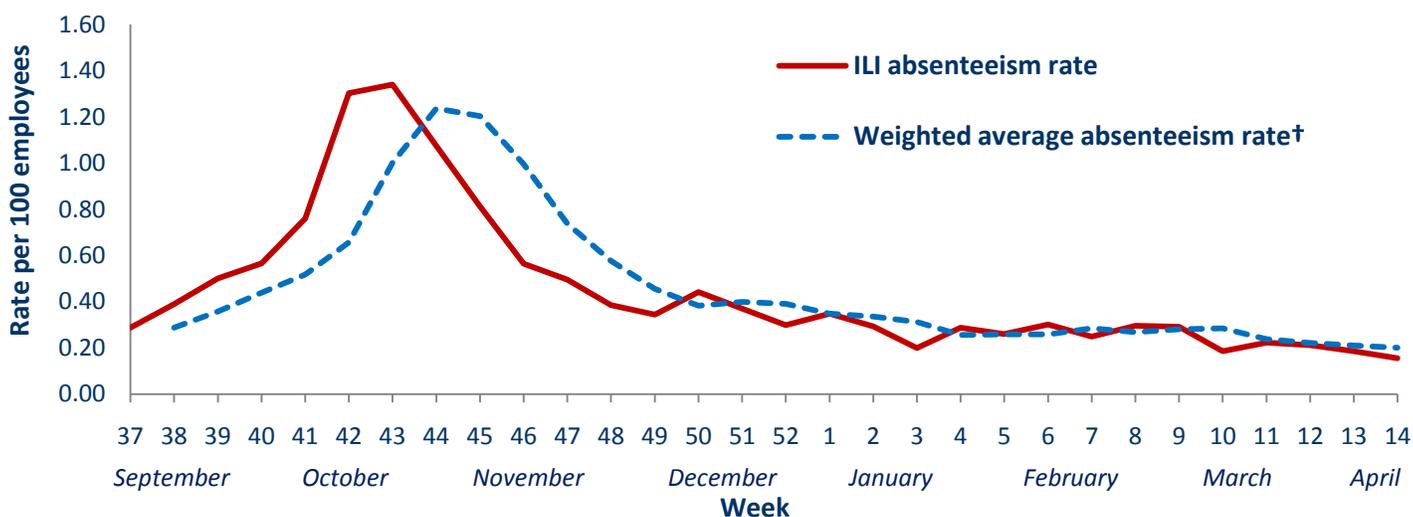
- There were no confirmed influenza-related deaths reported during Week 14, 2010.
 - There have been a total of 42 influenza-related deaths since June 1, 2009, of which 39 had confirmed 2009 H1N1.

Number of health care personnel who missed work due to influenza-like illness — Indiana, 2009/10 influenza season. Health District-level data is available at the end of this report.*

	This week's numbers (47 hospitals reporting)	2010 average	Weekly average since September 9, 2009
Total with ILI	56	117	248
Total # of employees	36,152	46,199	51,006
Rate per 100 employees	0.15	0.25	0.49

**Data obtained from the ISDH Pneumonia and Influenza Hospitalization Surveillance Program. This data was collected and reported by infection preventionists and other staff from hospitals throughout Indiana. It reflects the number of health care personnel who reported missing work due to influenza-like illness in a given week.*

Rate of health care professional ILI-related absenteeism – Indiana, 2009/10 influenza season*



**Data obtained from the ISDH Pneumonia and Influenza Hospitalization Surveillance Program.*

† The “weighted average absenteeism rate” is a weighted moving average that utilizes data from the previous three reporting weeks. It is used as a threshold to determine if the current week’s rate is higher or lower than what is expected based on previous weeks’ data. There is no comparison data for Week 37.

Number of health care personnel who missed work due to any illness — Indiana, 2009/10 influenza season.

Preparedness District-level data is available at the end of this report. (This data was reported only if a hospital was unable to report influenza-like illness-related absences.)*

	This week's numbers (3 hospitals reporting)	2010 average	Weekly average since September 9, 2009
Total with any illness	160	201	193
Total # of employees	4,804	8,694	8,547
Rate per 100 employees	3.33	2.31	2.25

**Data obtained from the ISDH Pneumonia and Influenza Hospitalization Surveillance Program. This data was collected and reported by infection preventionists and other staff from hospitals throughout Indiana. It reflects the number of health care personnel who reported missing work due to any illness in a given week.*

Key Findings:

- ILI-related absentee rates in health care personnel decreased slightly (decreased by 23%) compared to the weighted moving average from the previous three weeks.
 - 0.15 compared to 0.20 ILI-related absences per 100 employees, respectively.

ISDH Laboratory data regarding circulating influenza viruses — Indiana, 2009/10 influenza season.*

PCR Result	This week's total		2010 total		Total since September 1, 2009	
	Number	Percent of specimens received	Number	Percent of specimens received	Number	Percent of specimens received
Pandemic 2009 A/H1N1 virus	1	14%	16	20%	478	47%
Influenza A/H3 seasonal virus	0	0%	0	0%	6	<1%
Influenza A/H1 seasonal virus	0	0%	0	0%	0	0%
Influenza B seasonal virus	0	0%	1	1%	2	<1%
Influenza negative	6	86%	63	77%	480	47%
Inconclusive	0	0%	1	1%	13	1%
Unsatisfactory specimen†	0	0%	1	1%	32	3%
Total	7	100%	82	100%	1011	100%

*Data obtained from the ISDH Laboratory via specimens submitted from the ISDH Sentinel Influenza Surveillance System.

†Unsatisfactory specimens include specimens that leaked in transit, were too long in transit, or were inappropriately labeled.

2009 H1N1-positive samples by age group — Indiana, 2009/10 influenza season.*

	This week's numbers			2010 total		Total since September 1, 2009	
	Age category (yrs)	Total number	Percent by age group	Total number	Percent by age group	Total number	Percent by age group
2009 H1N1-positive specimens	0-4	0	0%	0	0%	38	8%
	5-18	0	0%	1	6%	135	28%
	19-24	1	100%	12	75%	230	48%
	25-49	0	0%	1	6%	51	11%
	50-64	0	0%	2	13%	17	4%
	65+	0	0%	0	0%	3	<1%
	Unknown	0	0%	0	0%	4	<1%
	Total	1	100%	16	100%	478	100%

*Data obtained from the ISDH Laboratory via specimens submitted from the ISDH Sentinel Influenza Surveillance System.

OTHER CIRCULATING VIRUSES RECENTLY IDENTIFIED BY THE ISDH LABORATORY:

Other Respiratory Viruses	This Week	2010 Total	Total Since Sept. 1
Adenovirus	0	3	3
Coxsackie B Virus	0	0	24
Echovirus	0	0	3
Enterovirus NOS	0	5	44
Influenza B Virus	0	0	1
Parainfluenza 1 Virus	0	1	5
Parainfluenza 2 Virus	0	0	7
Parainfluenza 3 Virus	0	0	1
Rhinovirus	0	0	12
Total	0	9	100

Key Findings:

- During Week 14, 2010, 1/7 (14%) specimens tested by the ISDH Laboratory for influenza were positive.
- Since September 1, 2009, 98.4% (478/486) of specimens that were positive for influenza were 2009 H1N1.
 - 84% of the 2009 H1N1-positive specimens submitted have been collected from persons 0–24 years of age.
- Other respiratory viruses have been circulating in addition to influenza (e.g., Adenovirus, Enterovirus), but none were identified in samples submitted during Week 14, 2010.

2009 H1N1 vaccinations administered and recorded in the Children and Hoosiers Immunization Registry Program (CHIRP) database, by county of residence — Indiana, data as of April 13, 2010*

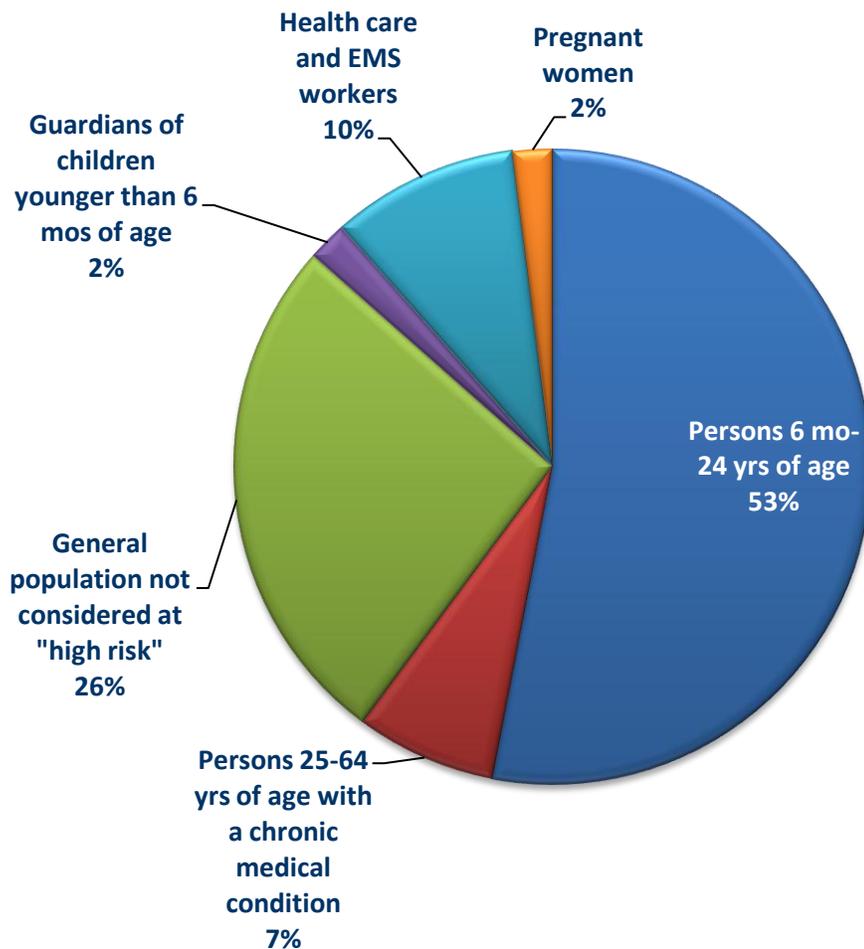
County	Persons 6 months to 24 yrs of age	Persons with chronic health conditions, 25 to 64 yrs of age	General population	Guardians of children younger than 6 months of age	Health care and EMS workers	Pregnant woman	Total vaccinated, by county of residence
Adams	4,158	408	1,223	227	809	136	6,961
Allen	32,363	3,305	18,723	3,295	8,140	1,653	67,479
Bartholomew	10,122	1,592	4,959	449	1,875	423	19,420
Benton	843	200	725	32	108	18	1,926
Blackford	1,473	317	636	94	425	53	2,998
Boone	6,981	1,135	3,843	313	1,595	305	14,172
Brown	1,754	527	990	67	366	65	3,769
Carroll	1,628	324	1,380	51	235	45	3,663
Cass	5,797	657	2,628	110	1,021	151	10,364
Clark	16,377	957	7,884	157	1,286	344	27,005
Clay	2,933	373	1,087	58	673	60	5,184
Clinton	4,187	632	2,315	143	710	124	8,111
Crawford	670	134	791	21	105	18	1,739
Daviess	3,158	348	1,308	169	587	132	5,702
De Kalb	5,622	423	3,119	92	820	191	10,267
Dearborn	7,335	863	2,697	77	780	205	11,957
Decatur	4,004	333	2,009	78	420	137	6,981
Delaware	10,007	2,640	7,146	351	3,180	542	23,866
Dubois	7,166	395	2,155	247	937	214	11,114
East Chicago	2,104	193	847	43	107	32	3,326
Elkhart	30,737	1,963	7,558	501	3,400	808	44,967
Fayette	2,787	972	1,283	184	585	93	5,904
Floyd	9,137	1,020	4,536	45	1,122	353	16,213
Fountain	2,092	253	1,076	33	194	51	3,699
Franklin	2,244	392	1,191	52	194	52	4,125
Fulton	2,743	556	729	197	421	49	4,695
Gary City HD	2,169	119	754	19	98	15	3,174
Gibson	3,531	411	3,015	166	615	154	7,892
Grant	7,868	630	4,669	169	1,438	292	15,066
Greene	3,599	632	1,412	126	812	81	6,662
Hamilton	47,301	3,028	17,215	1,589	5,752	1,806	76,691
Hancock	10,532	1,281	3,697	445	1,475	377	17,807
Harrison	5,273	380	2,938	82	620	91	9,384
Hendricks	20,146	2,371	8,997	783	3,674	912	36,883
Henry	4,955	1,168	4,062	261	1,401	164	12,011
Howard	5,957	1,253	5,211	131	1,891	326	14,769
Huntington	4,332	854	2,190	277	899	178	8,730
Jackson	3,987	696	3,702	53	806	183	9,427
Jasper	2,295	457	1,723	86	550	114	5,225
Jay	2,228	385	1,227	132	654	93	4,719
Jefferson	5,655	756	2,942	129	966	201	10,649

County	Persons 6 months to 24 yrs of age	Persons with chronic health conditions, 25 to 64 yrs of age	General population	Guardians of children younger than 6 months of age	Health care and EMS workers	Pregnant woman	Total vaccinated, by county of residence
Jennings	3,868	534	1,465	206	746	102	6,921
Johnson	10,290	2,279	7,871	496	2,317	612	23,865
Knox	3,484	1,213	2,197	129	1,303	210	8,536
Kosciusko	6,175	1,387	2,942	387	1,445	355	12,691
La Porte	13,282	1,769	5,283	247	2,124	406	23,111
Lagrange	3,612	527	1,168	68	425	107	5,907
Lake	25,625	3,797	9,602	955	5,255	690	45,924
Lawrence	4,007	754	2,966	83	1,002	176	8,988
Madison	7,174	1,953	5,556	219	2,836	496	18,234
Marion	87,731	10,370	43,552	2,749	11,826	3,546	159,774
Marshall	4,661	505	2,275	72	846	95	8,454
Martin	1,147	276	587	38	126	52	2,226
Miami	3,042	882	1,448	75	561	127	6,135
Monroe	18,205	2,747	7,952	366	3,175	635	33,080
Montgomery	3,541	770	2,653	96	767	173	8,000
Morgan	9,137	1,476	3,287	186	1,038	293	15,417
Newton	1,173	248	566	16	122	36	2,161
Noble	4,060	379	2,440	121	824	149	7,973
Ohio	961	121	633	46	196	25	1,982
Orange	2,514	572	980	98	332	76	4,572
Out of State	6,171	1,460	7,203	401	3,445	436	19,116
Owen	1,679	465	749	158	325	47	3,423
Parke	1,585	418	1,335	22	221	29	3,610
Perry	2,041	762	1,802	160	336	62	5,163
Pike	1,843	431	1,006	218	378	102	3,978
Porter	19,404	1,644	6,122	1,366	2,939	469	31,944
Posey	1,912	413	1,451	172	586	85	4,619
Pulaski	2,018	270	974	79	348	53	3,742
Putnam	3,197	155	2,410	48	494	71	6,375
Randolph	3,444	721	1,384	246	757	119	6,671
Ripley	6,771	627	3,159	172	1,019	212	11,960
Rush	1,715	461	841	95	486	55	3,653
Scott	3,749	602	1,476	68	334	96	6,325
Shelby	5,786	1,611	1,803	314	842	214	10,570
Spencer	2,575	480	1,473	85	349	77	5,039
St. Joseph	33,506	3,713	11,549	1,520	5,323	1,362	56,973
Starke	2,068	577	985	79	419	50	4,178
Steuben	2,180	364	3,128	74	348	66	6,160
Sullivan	2,365	111	1,412	18	489	71	4,466
Switzerland	1,258	266	1,015	45	169	43	2,796
Tippecanoe	17,296	3,093	11,870	568	4,177	848	37,852
Tipton	2,399	129	1,250	40	343	48	4,209
Union	973	383	384	169	264	29	2,202

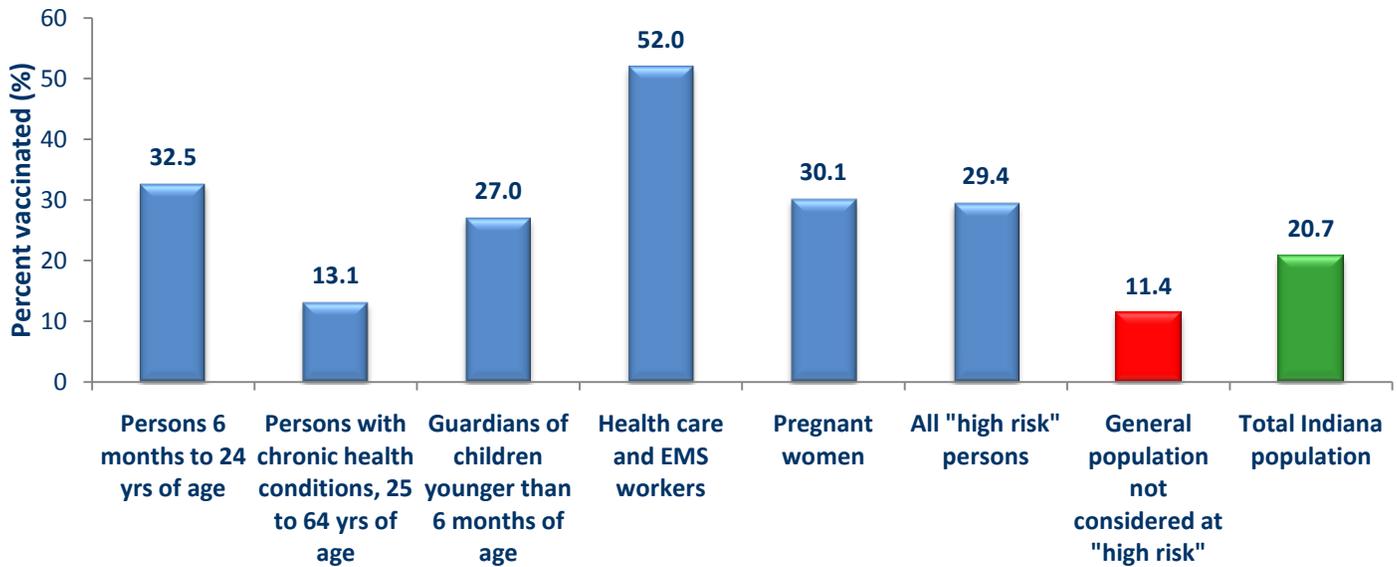
County	Persons 6 months to 24 yrs of age	Persons with chronic health conditions, 25 to 64 yrs of age	General population	Guardians of children younger than 6 months of age	Health care and EMS workers	Pregnant woman	Total vaccinated, by county of residence
Vanderburgh	15,149	2,273	13,921	735	5,040	724	37,842
Vermillion	2,031	200	788	16	237	21	3,293
Vigo	12,141	731	4,555	70	1,916	450	19,863
Wabash	3,356	570	2,232	136	654	140	7,088
Warren	861	101	559	16	229	31	1,797
Warrick	8,759	773	5,386	339	1,929	420	17,606
Washington	1,788	842	1,279	69	415	64	4,457
Wayne	9,272	1,775	4,807	395	1,731	318	18,298
Wells	3,380	425	1,195	165	712	121	5,998
White	2,501	426	1,697	129	359	149	5,261
Whitley	3,459	309	2,036	175	676	152	6,807
Grand Total	710,571	95,473	355,251	26,549	127,301	26,836	1,341,981

**While all 2009 H1N1 vaccine administrations are required to be entered into the CHIRP database, there can be a delay between the time the vaccine is given and when it is recorded. Therefore, the true number of 2009 H1N1 vaccines that have been given is larger than the amount documented in this report.*

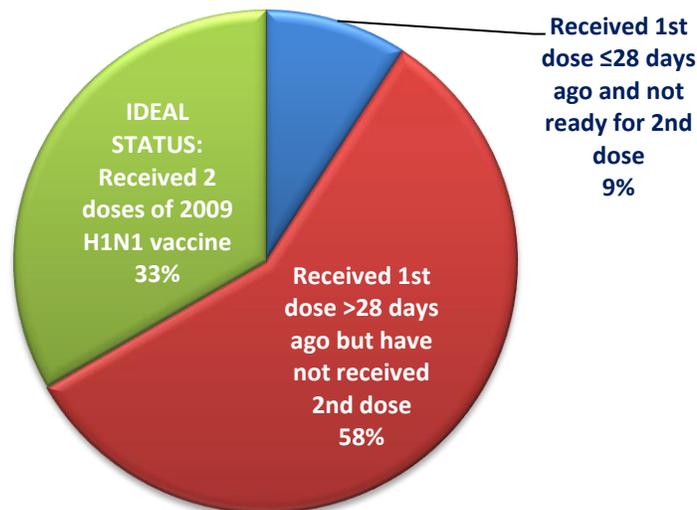
Percent of 2009 H1N1 vaccine distributed, by risk category — Indiana, data reported into CHIRP as of April 13, 2010



Percent of the estimated number of Indiana residents in each risk category who have received the 2009 H1N1 vaccine — data reported into CHIRP as of April 13, 2010 (“Out of state” vaccine recipients were removed from calculation)



Percent of children, 6 months–9 years of age, who have received the recommended two doses of 2009 H1N1 vaccine — Indiana, data reported into CHIRP as of April 13, 2010. (321,081 children under the age of 10 years have received at least one dose of 2009 H1N1 vaccine. The CDC recommends that children, 6 months–9 years of age, receive two doses of 2009 H1N1 vaccine at least 28 days apart to have a high level of immunity.)



Key Findings:

- In Indiana, as of April 13, 2010, a total of 1,341,981 2009 H1N1 vaccinations had been given and recorded into the Children and Hoosiers Immunization Registry Program (CHIRP) database.
- According to CHIRP data, 29.4% of the estimated number of “high risk” persons in Indiana have received the 2009 H1N1 vaccine.
- Of the 321,081 children, 6 months–9 years of age, who have received the 1st dose of 2009 H1N1, 57% (184,655 children) received it >28 days ago and have not received the 2nd recommended dose.
 - A total of 107,004 children, 6 months–9 years of age, have received the recommended two doses of 2009 H1N1 (The CDC recommends that children, 6 months–9 years of age, receive two doses of 2009 H1N1 vaccine at least 28 days apart to have a high level of immunity).

DISTRICT RATES & TRENDS

April 12, 2010

Pneumonia and Influenza Hospitalization Surveillance

Hospitalization (inpatient beds) and health care professional (HCP) rates by District, illustrated by a swatch. Each swatch quadrant represents a specific measurement. Districts with no report left blank.

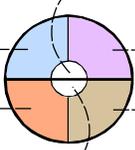
Hospitalization Rate

Rate of hospitalizations for ILI per 100 inpatient beds from reporting hospitals.

Attributable Mortality Rate

Mortality rate attributable to ILI per 100 inpatient beds from reporting hospitals.

% of inpatient beds with data available*



% of hospitals reporting HCP data

HCP Illness Rate

Rate of general illness in HCP per 100 employees. Used if ILI cannot be measured.

HCP Influenza-like Illness Rate

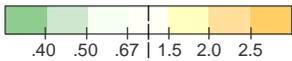
Rate of ILI in HCP per 100 employees.

X = Incomplete data

Public Health Emergency Surveillance System

Emergency department (ED) complaints of ILI by District. Each district is shaded by the current rate compared to its moving average.

Change in prevalence ratio from 3-week moving average



A value of 1 indicates no change



District rate of ED ILI complaints per 100 patients

