

## **Weekly Influenza Surveillance Report\***

**Week ending: 4/3/2010**

Idaho Department of Health and Welfare

Office of Epidemiology, Food Protection, and Immunization

\*Surveillance numbers reflect activity recorded during the past MMWR week (Sunday through Saturday at midnight). Ex: Week 35 begins with Sunday, 8/30/2009

### **Surveillance Summary**

Demographics Summary 9/1/2009 to 04/3/2010:

- Since 9/1/2009 a total of 831 laboratory confirmed cases of 2009 H1N1 have been reported in Idaho via the NBS.
  - The number of cases increased dramatically after August and have since subsided (Figure 1).
  - 0 were reported during the week ending 4/3/2010; (1 case from the week 3/21-3/27 was added to the total count due to completion of district investigation and case status assignment)
- 28% of laboratory confirmed cases since 9/1/2009 were between the ages of 10y–19y of age (Figure 2). Age was unknown in 6 cases.
- The median age of all reported laboratory confirmed cases since 9/1/2009 is 22.0y
  - The median age of reported laboratory confirmed cases for the week ending 4/3/2010 was not calculated because no new cases were reported (Figure 3).
- Sex of laboratory confirmed cases since 9/1/2009: 43% male, 57% female
- Since 9/1/2009, the highest percentage of total laboratory confirmed cases (32%) have been located in HD-4 (Table 1).
- None of the 17 IBL laboratory submissions for influenza testing during the week ending 4/3/2010 were positive for influenza (Figures 4, 5).
- Severity:
  - Hospitalizations: For the week ending 4/3/2010, 0 hospitalizations were reported through the enhanced hospital surveillance system.
  - Deaths: Since 9/1/2009 22 individuals with laboratory confirmed 2009 H1N1 have been reported deceased. No new deaths were reported.

### **Syndromic surveillance**

- Influenza-like illness (ILI) was 3.1% statewide (Figure 6) and as high as 3.5% in District 3 (Figure 7). 36 of the 1,156 visits from the 2 sites reporting were ILI.
- Pneumonia and influenza (P&I) death certificate data reported through the 122 cities reporting: 26 pneumonia deaths out of 247 total deaths were reported statewide for the week ending 4/3/2010 (Figures 8, 9); none were classified as an influenza death.

Note: With the increased availability of confirmatory diagnostic testing for 2009 H1N1 at commercial laboratories since September 1, 2009 the Idaho Department of Health and Welfare has recommended restricting confirmatory 2009 H1N1 testing at the state public health laboratory to designated surveillance sites, cases of severe illness or hospitalization, persons working in a hospital setting, pregnant women, or as part of a possible outbreak in a facility or other special setting. Additionally, CDC produced guidance in September recommending confirmatory diagnostic testing for hospitalized patients and for outpatients for which influenza diagnostic testing may help inform decisions regarding clinical care, infection control, or management of close contacts. As a result, populations tested during the spring and summer, when testing of most suspected cases was recommended, may differ from those tested since the beginning of September.

Figure 1.

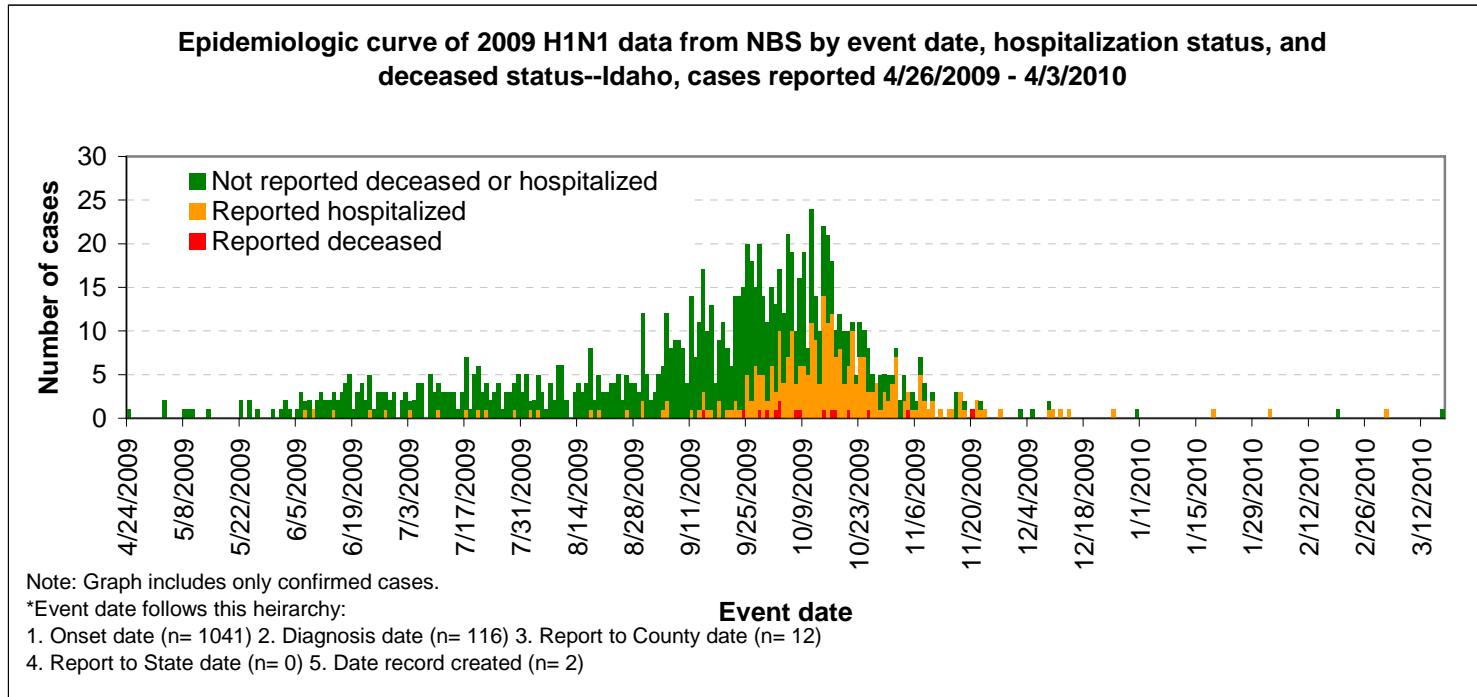


Figure 2.

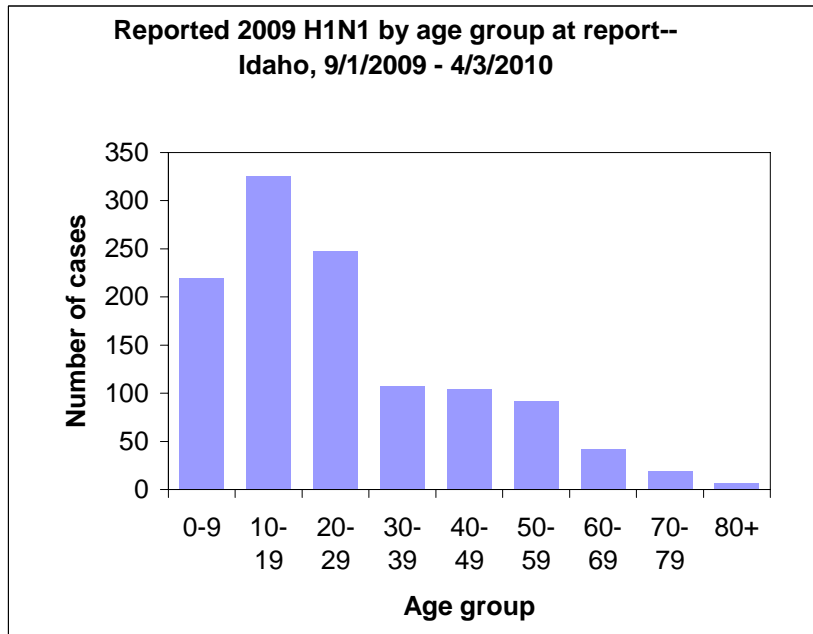
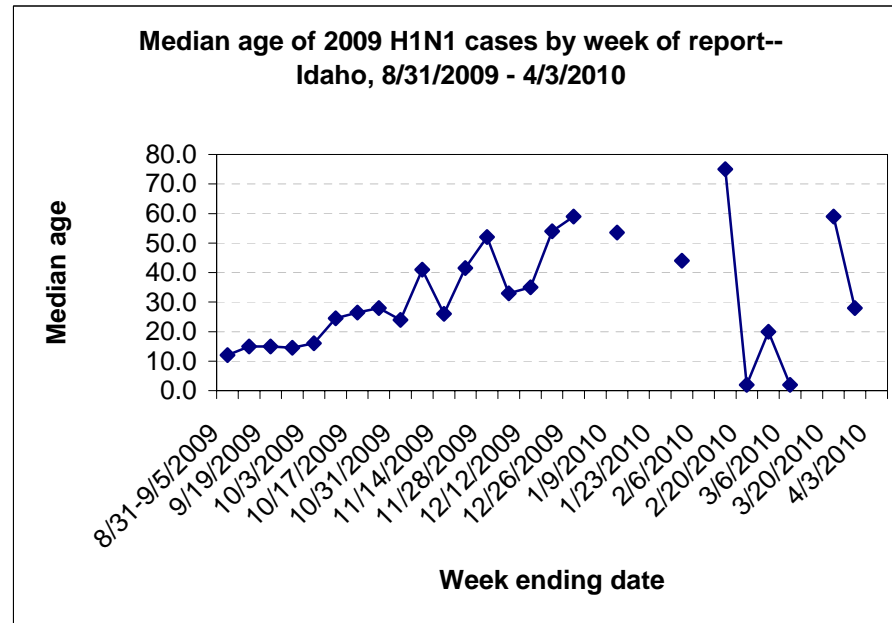


Figure 3.



**Table 1.**  
**Reported NBS 2009 H1N1 by district--Idaho, 4/26/2009 - 4/3/2010**

District	Population	2008-2009 season		2009-2010 season		Total	Rate*
		Cases	%	Cases	%		
1	211,870	13	4%	41	5%	54	25.5
2	102,099	20	6%	23	3%	43	42.1
3	248,000	73	21%	116	14%	189	76.2
4	426,283	174	51%	268	32%	442	103.7
5	176,400	12	4%	141	17%	153	86.7
6	164,357	23	7%	156	19%	179	108.9
7	194,807	25	7%	86	10%	111	57.0
Unknown	-		0%		0%	0	-
<b>Total</b>	<b>1,523,816</b>	<b>340</b>	<b>100%</b>	<b>831</b>	<b>100%</b>	<b>1,171</b>	<b>76.8</b>

\*per 100,000 based on U.S. Census Bureau 2008 county estimates

Table 2.

## Reported NBS 2009 H1N1 by reported comorbid condition--Idaho, 4/26/2009 - 4/3/2010

<b>Comorbid conditions</b>	<b>Yes</b>	<b>No</b>	<b>Unknown</b>	<b>Missing</b>	<b>Total</b>	<b>% yes of known</b>
Asthma	132	456	170	413	1,171	22.4%
Cancer in last 12 months	11	541	184	435	1,171	2.0%
Chronic heart or circulatory disease	78	491	181	421	1,171	13.7%
Immunosuppressive condition	0	0	0	1,171	1,171	--
Kidney Disease	12	503	219	437	1,171	2.3%
Metabolic disease (including diabetes)	82	494	180	415	1,171	14.2%
Neurological disease	31	479	220	441	1,171	6.1%
Other Chronic Lung Disease	67	501	178	425	1,171	11.8%
Other chronic disease	129	461	157	424	1,171	21.9%

## Reported NBS 2009 H1N1 by reported signs and symptoms--Idaho, 4/26/2009 - 4/3/2010

<b>Signs and symptoms</b>	<b>Yes</b>	<b>No</b>	<b>Missing</b>	<b>Total</b>	<b>% yes of known</b>
Conjunctivitis	76	408	687	1,171	15.7%
Cough	859	62	250	1,171	93.3%
Diarrhea	164	393	614	1,171	29.4%
Fever>37.8C(100 F)	667	98	406	1,171	87.2%
Feverish but temp. not taken	290	217	664	1,171	57.2%
Other (specify)	559	-	612	1,171	100.0%
Rhinorrhea	450	233	488	1,171	65.9%
Seizures	13	285	873	1,171	4.4%
Shortness of Breath	339	260	572	1,171	56.6%
Sore Throat	535	190	446	1,171	73.8%
Vomiting	237	360	574	1,171	39.7%

Figure 4.

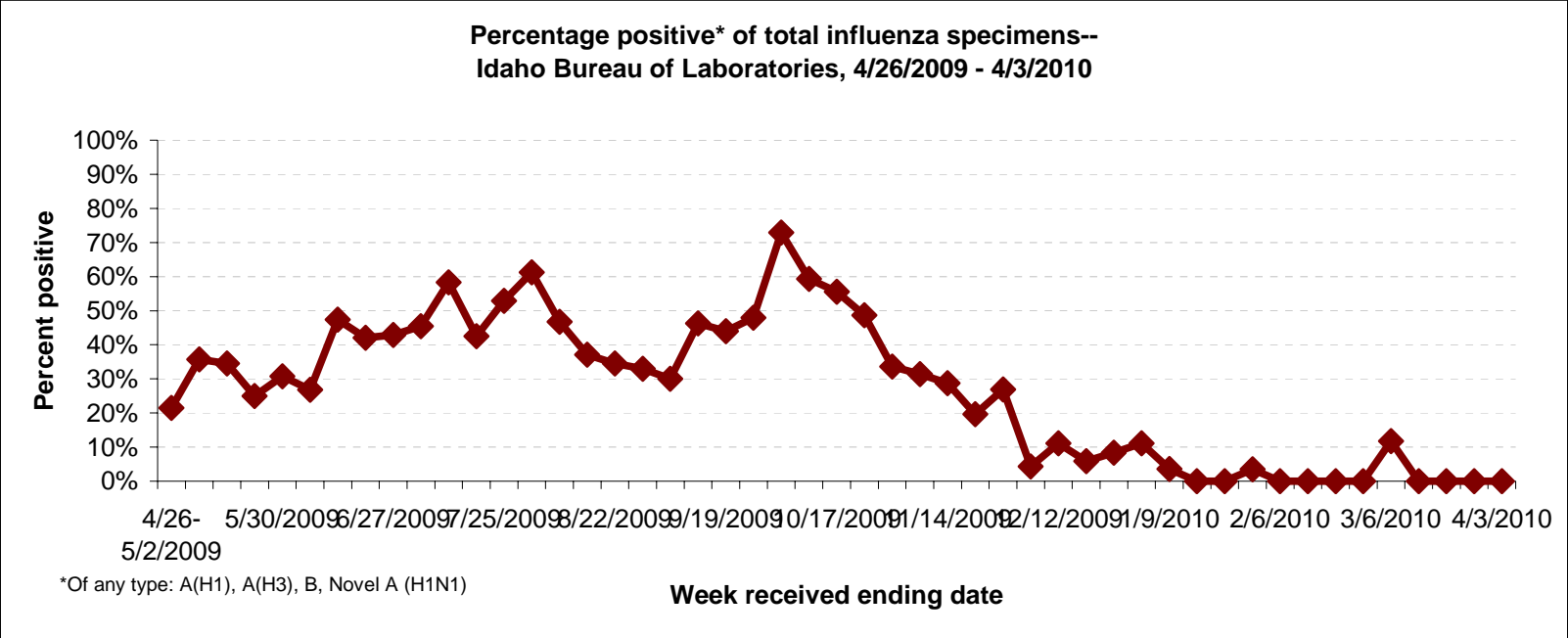


Figure 5.

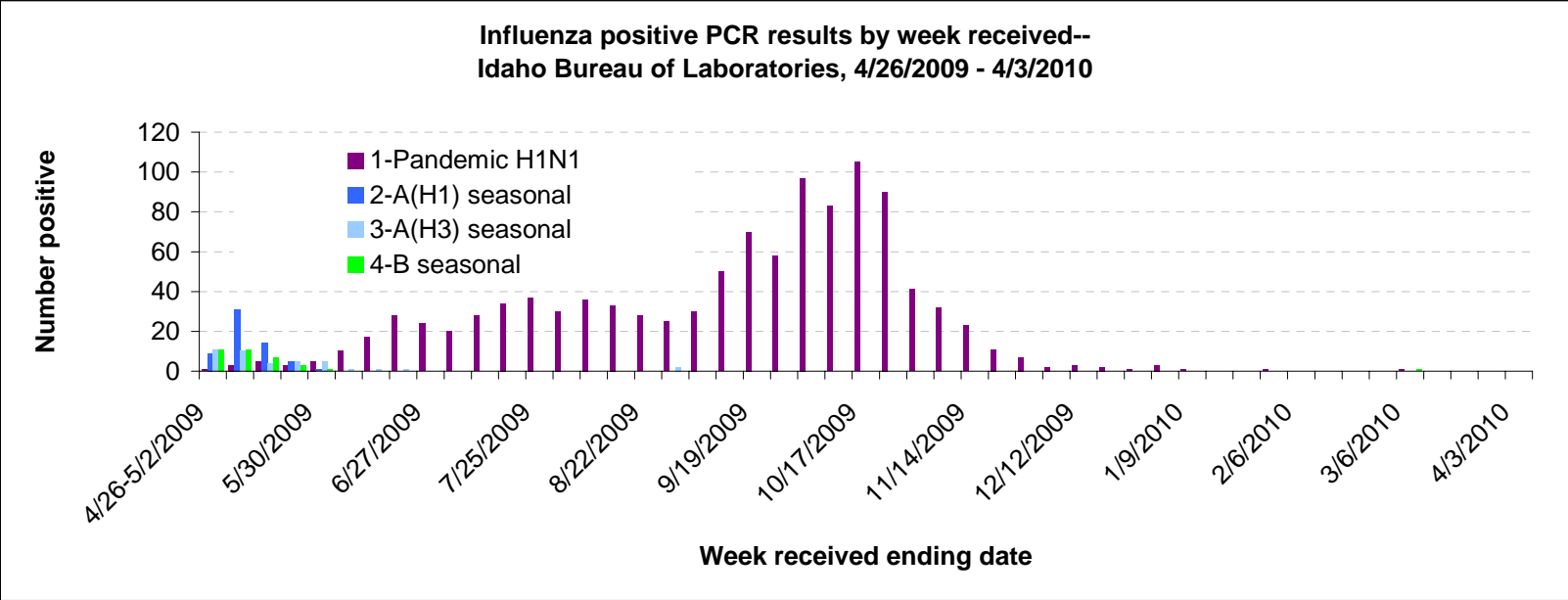


Figure 6.

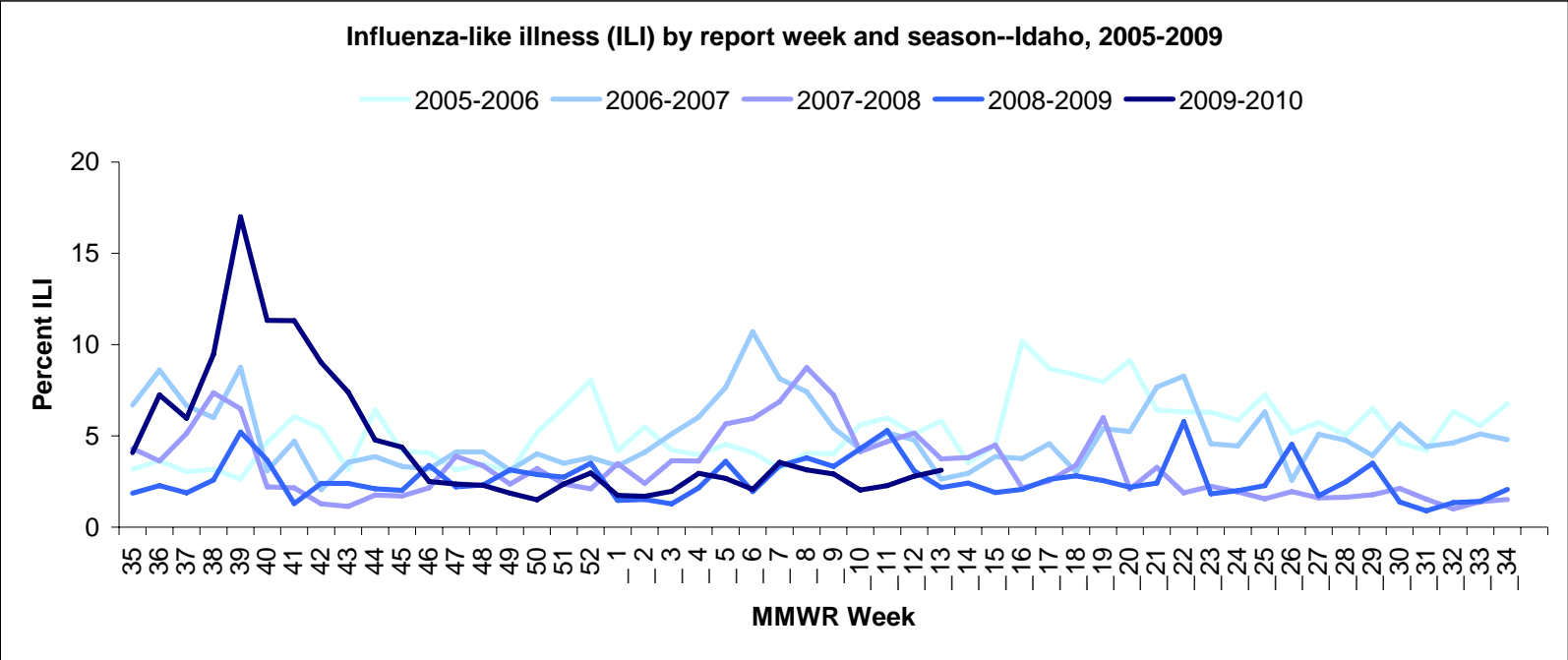


Figure 7.

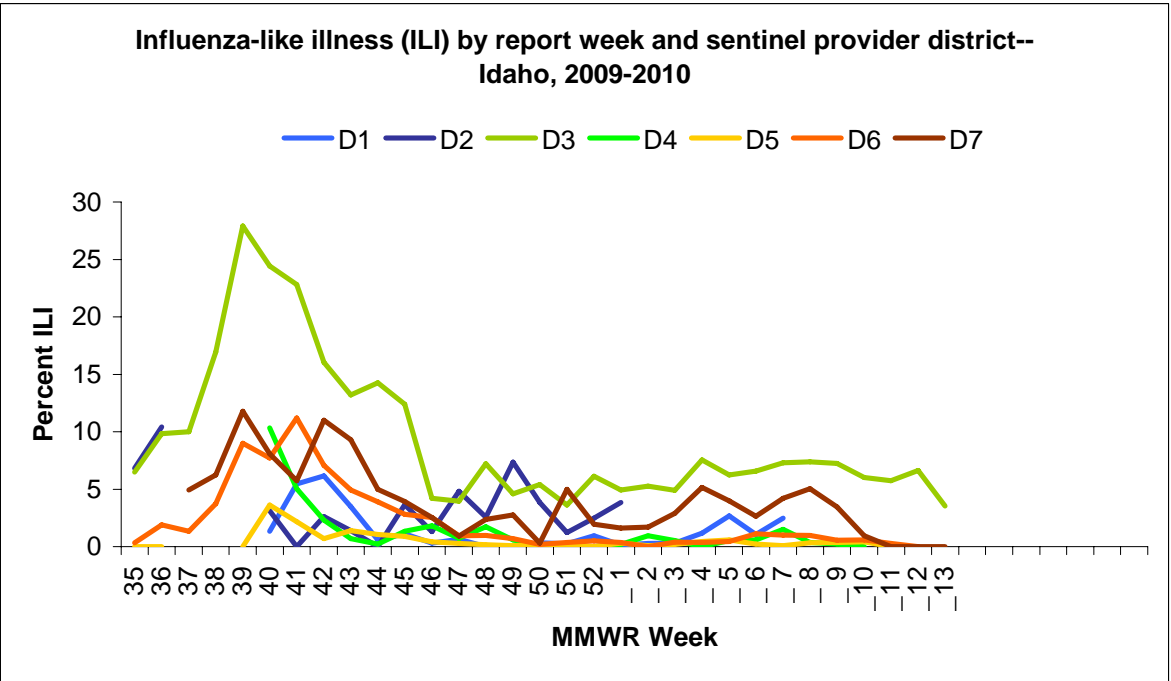


Figure 8.

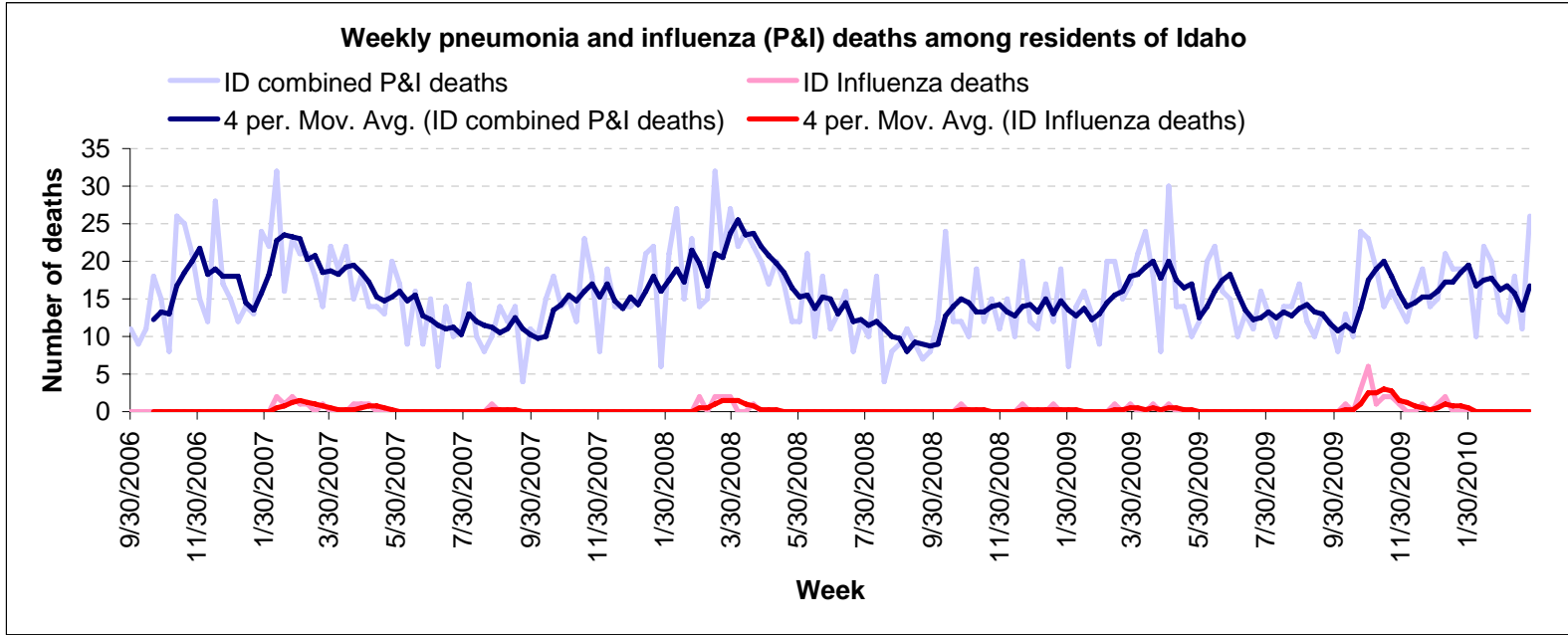


Figure 9.

