

CDC Estimates of 2009 H1N1 Cases and Related Hospitalizations and Deaths from April 2009 - January 16, 2010, By Age

2009 H1N1	Mid-Level Range*	Estimated Range
Cases		
0-17 years	~19 million	~13 million to ~27 million
18-64 years	~33 million	~24 million to ~49 million
65 years and older	~5 million	~4 million to ~8 million
Cases Total	~57 million	~41 million to ~84 million
Hospitalizations		
0-17 years	~82,000	~58,000 to ~120,000
18-64 years	~150,000	~107,000 to ~221,000
65 years and older	~25,000	~18,000 to ~37,000
Hospitalizations Total	~257,000	~183,000 to ~378,000
Deaths		
0-17 years	~1,230	~880 to ~1,810
18-64 years	~8,980	~6,390 to ~13,170
65 years and older	~1,480	~1,060 to ~2,180
Deaths Total	~11,690	~8,330 to ~17,160

*Deaths have been rounded to the nearest ten. Hospitalizations have been rounded to the nearest thousand and cases have been rounded to the nearest million. Exact numbers also are available.

Updated Estimates from April 2009 – January 16, 2010

- CDC estimates that between 41 million and 84 million cases of 2009 H1N1 occurred between April 2009 and January 16, 2010. The mid-level in this range is about 57 million people infected with 2009 H1N1.
- CDC estimates that between about 183,000 and 378,000 H1N1-related hospitalizations occurred between April 2009 and January 16, 2009. The mid-level in this range is about 257,000 2009 H1N1-related hospitalizations.
- CDC estimates that between about 8,330 and 17,160 2009 H1N1-related deaths occurred between April 2009 and January 16, 2010. The mid-level in this range is about 11,690 2009 H1N1-related deaths.

Note: Less than 5% of increases in the estimates from one reporting date to the next are the result of delayed reporting in cases, hospitalizations and deaths.

The graphs below illustrate CDC's estimates of cumulative 2009 H1N1 cases, hospitalizations and deaths in the United States by age group from April 2009-January 16, 2010 by date of report.. The vertical black lines represent the range in 2009 H1N1 estimates for each time period.

To see the tables associated with the earlier time periods for which CDC provided estimates, please see the following:

April – December 12, 2009 estimates

(http://www.cdc.gov/h1n1flu/estimates/April_December_12.htm)

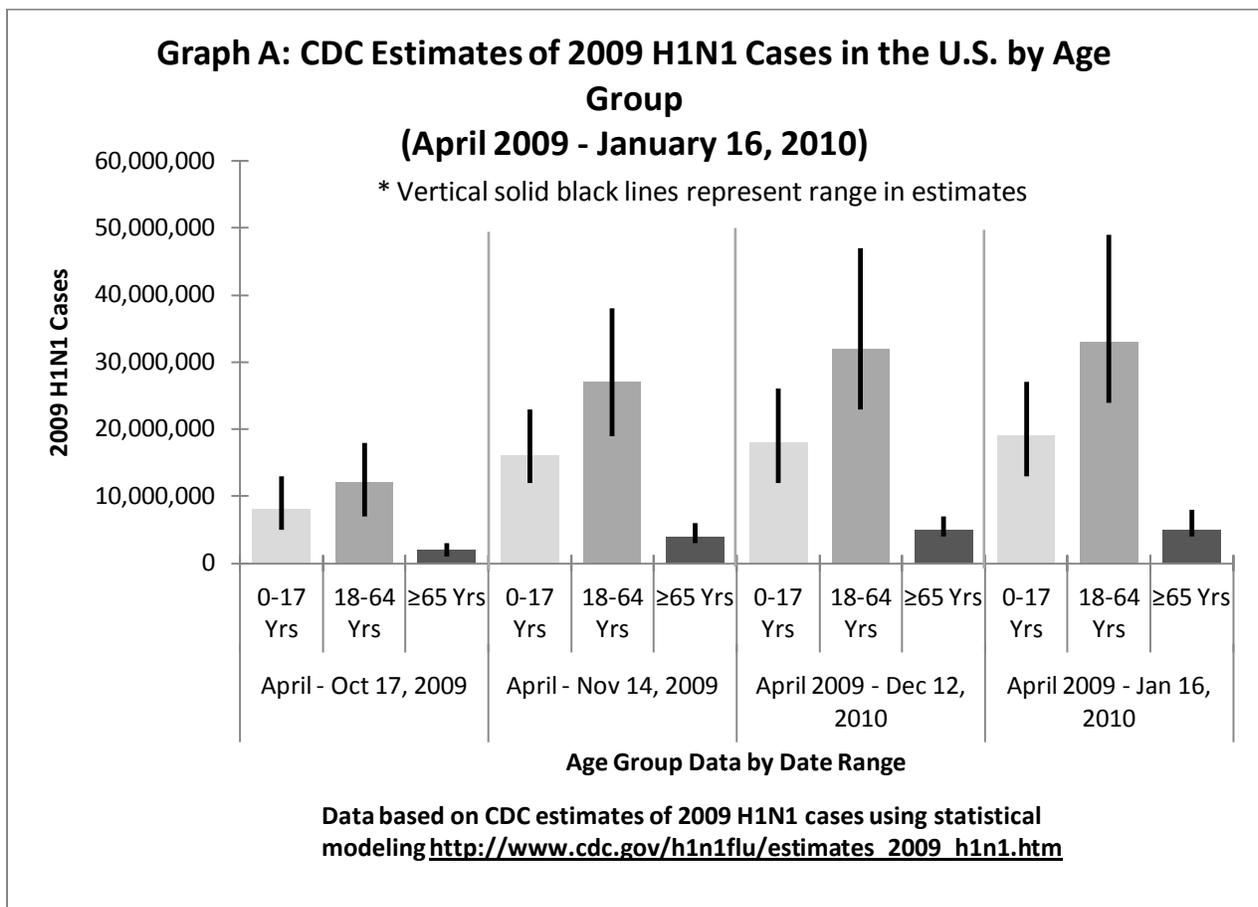
April – November 14, 2009 estimates

(http://www.cdc.gov/h1n1flu/estimates/April_November_14.htm)

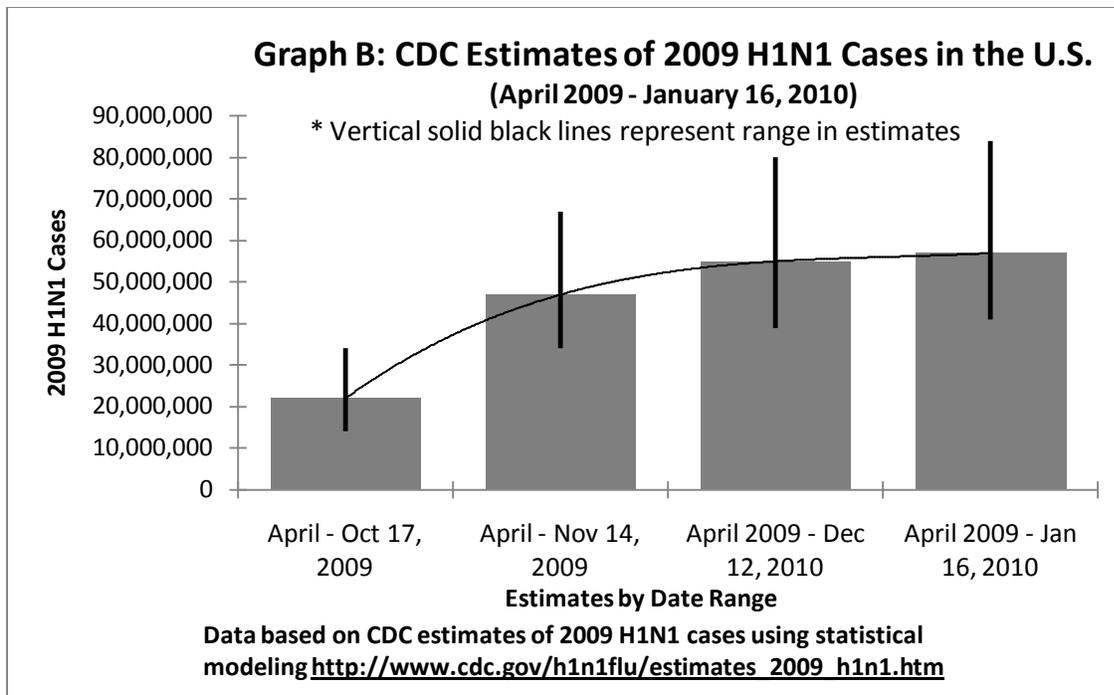
April – October 17, 2009 estimates

(http://www.cdc.gov/h1n1flu/estimates/April_October_17.htm)

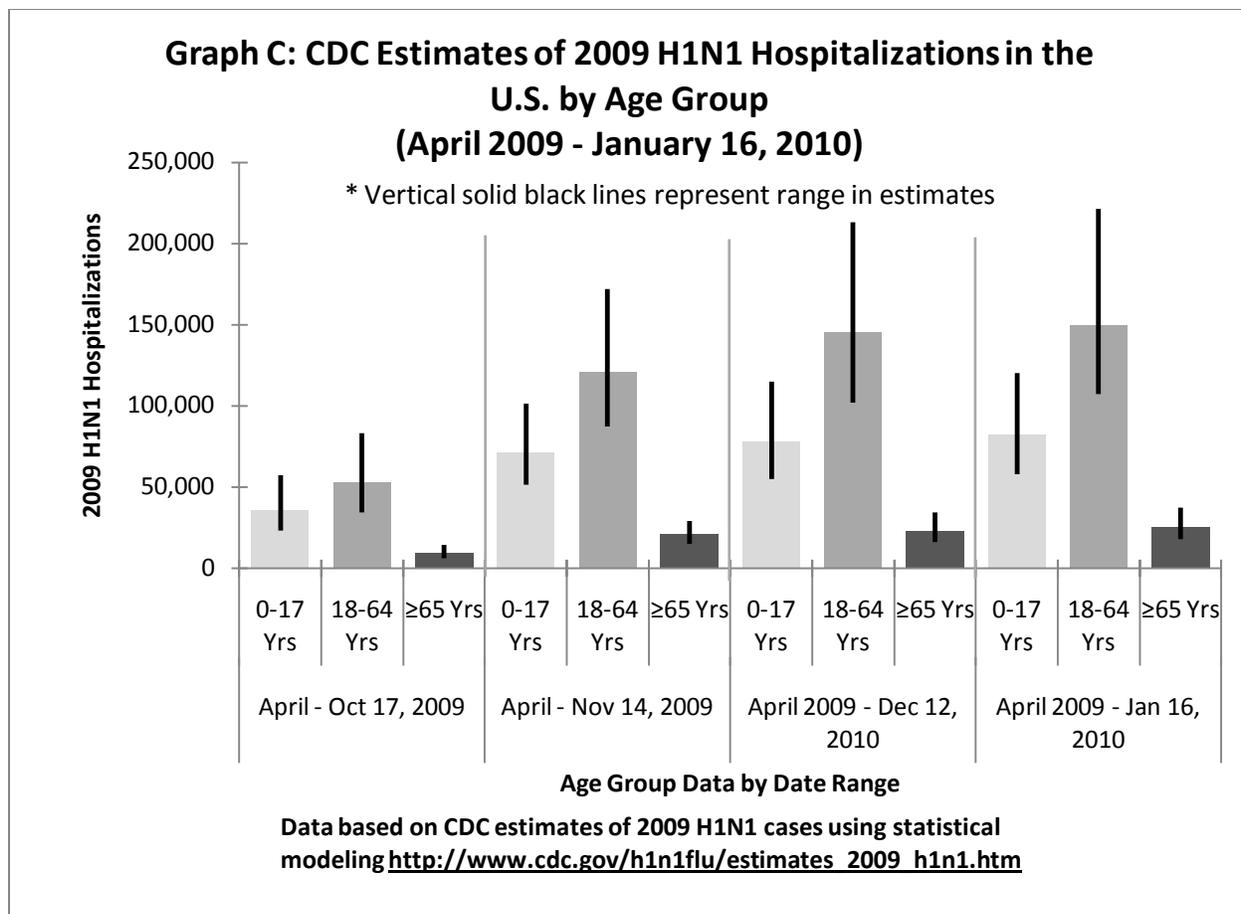
Graph A provides a summary illustration of the various estimates for 2009 H1N1 cases, made over time.



Graph A shows the cumulative estimated 2009 H1N1 cases by age group (0-17 years old, 18-64 years old, and 65 years and older) in the United States for each of the time periods that CDC provided case estimates and illustrates that persons 18-64 years were most heavily impacted by 2009 H1N1 disease followed by persons in the 0-17 age group. People 65 years and older were relatively less affected by 2009 H1N1 illness.

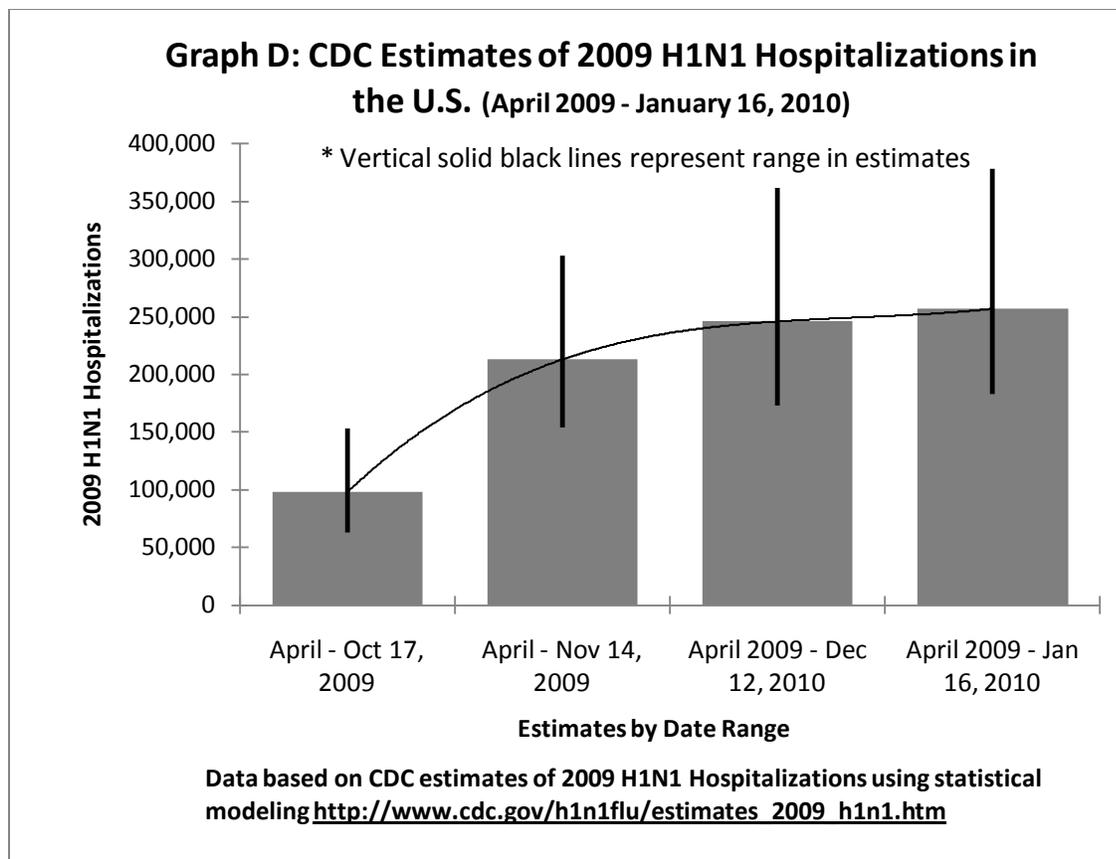


Graph B shows the total cumulative 2009 H1N1 cases (across all age groups) reported for each of the time periods that CDC provided case estimates. The curved black line in Graph B depicts the increase in 2009 H1N1 cases per the midpoint value of the estimates for each reporting period for which CDC provided 2009 H1N1 estimates. The curved line in Graph B shows that the greatest increase in 2009 H1N1 cases occurred between October 17, 2009 and November 14, 2009, which correlates with the peak of the fall-winter wave of 2009 H1N1 activity in the United States.



Graphs C and D display estimates of 2009 H1N1 related hospitalizations in the United States. Graph C shows cumulative estimated 2009 H1N1 hospitalizations by age group (0-17 years old, 18-64 years old, and 65 years and older) in the United States for each of the time periods that CDC provided estimates of hospitalizations and illustrates, again, that people 18-64 years of age were most impacted by serious illness (including hospitalizations), followed by people in the 0-17 year old age group. Again, people 65 and older were relatively less affected by 2009 H1N1 hospitalizations than persons in other age groups.

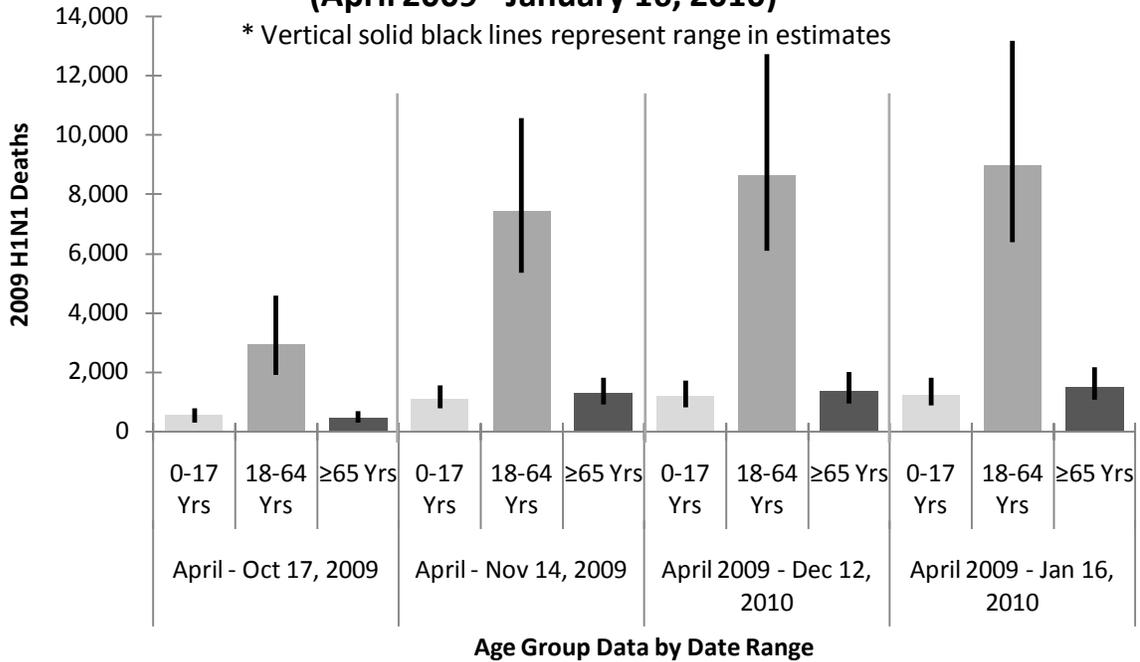
Graph D shows the total cumulative 2009 H1N1 hospitalizations reported for each of the time periods that CDC provided estimates of hospitalizations. The curved line in Graph D depicts the increase in 2009 H1N1 hospitalizations per the midpoint value of the estimates of each time period for which CDC provided estimates of hospitalizations. The curved line in Graph D shows that the greatest increase in 2009 H1N1 hospitalizations occurred between October 17, 2009 and November 14, 2009.



Graphs E and F below display estimates related to 2009 H1N1 deaths in the United States. Graph E shows the cumulative estimated 2009 H1N1 deaths by age group (0-17 years old, 18-64 years old, and 65 years and older) in the United States for each of the time periods that CDC provided estimates of deaths and illustrates, again, that people 18-64 years of age were most impacted by 2009 H1N1-related deaths followed by people in the 0-17 year old age group. Again, people 65 and older were relatively more affected by 2009 H1N1-related deaths than persons in other age groups.

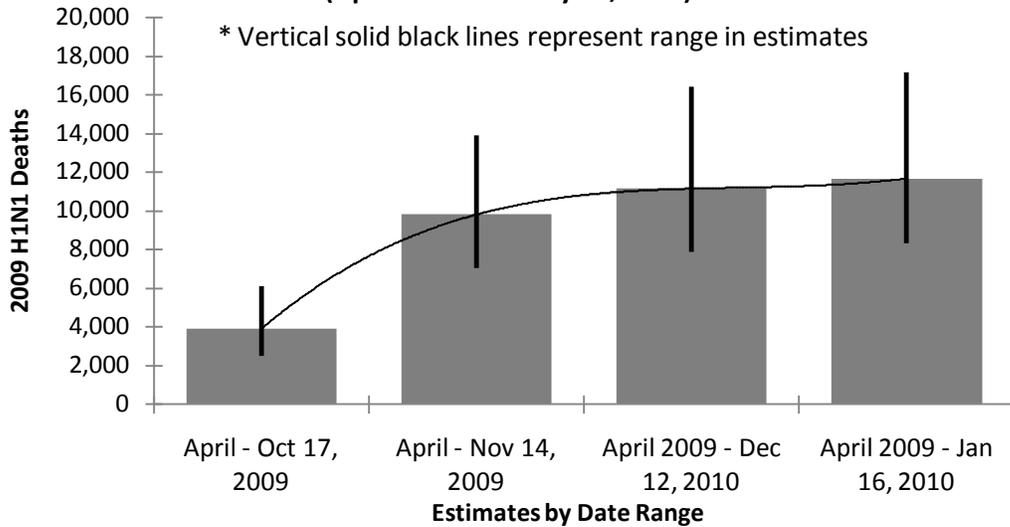
Graph F shows the total cumulative 2009 H1N1 deaths reported for each of the time periods that CDC provided estimates of deaths. The curved line in Graph F depicts the increase in 2009 H1N1 deaths per the mid-point value of the estimations for each period for which CDC provided estimates of deaths. The curved line in Graph F shows that the greatest increase in 2009 H1N1 deaths occurred between October 17, 2009 and November 14, 2009. The vertical black lines in Graphs E and F represent the range in 2009 H1N1 deaths estimates for each time period. (Note: in Graph E the range in estimates is shown for each age group).

**Graph E: CDC Estimates of 2009 H1N1 Deaths in the U.S.
by Age Group
(April 2009 - January 16, 2010)**



Data based on CDC estimates of 2009 H1N1 deaths using statistical modeling http://www.cdc.gov/h1n1flu/estimates_2009_h1n1.htm

**Graph F: CDC Estimates of 2009 H1N1 Deaths in the U.S.
(April 2009 - January 16, 2010)**



Data based on CDC estimates of 2009 H1N1 Deaths using statistical modeling http://www.cdc.gov/h1n1flu/estimates_2009_h1n1.htm