



# Estimated Burden of the 2017–2018 Influenza Season

**Melissa Rolfes, PhD MPH**

**Epidemiologist**

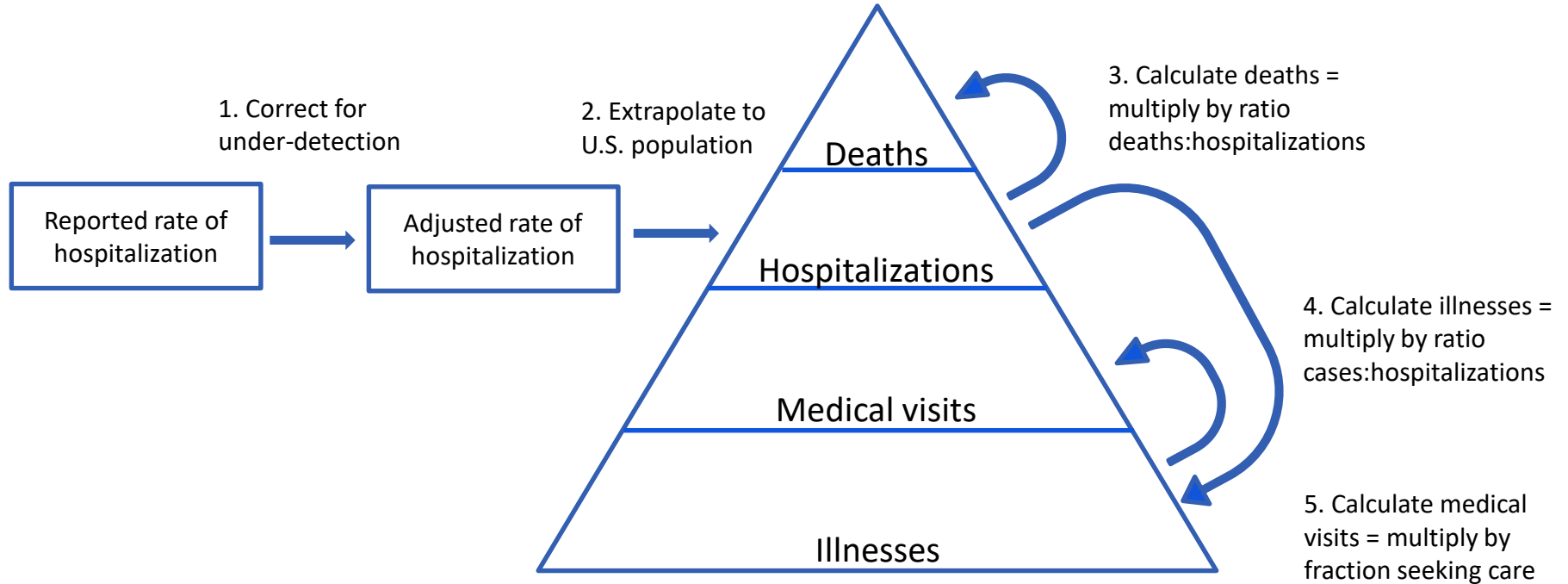
**Influenza Division, Centers for Disease Control and Prevention**

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# Burden of Influenza in the United States

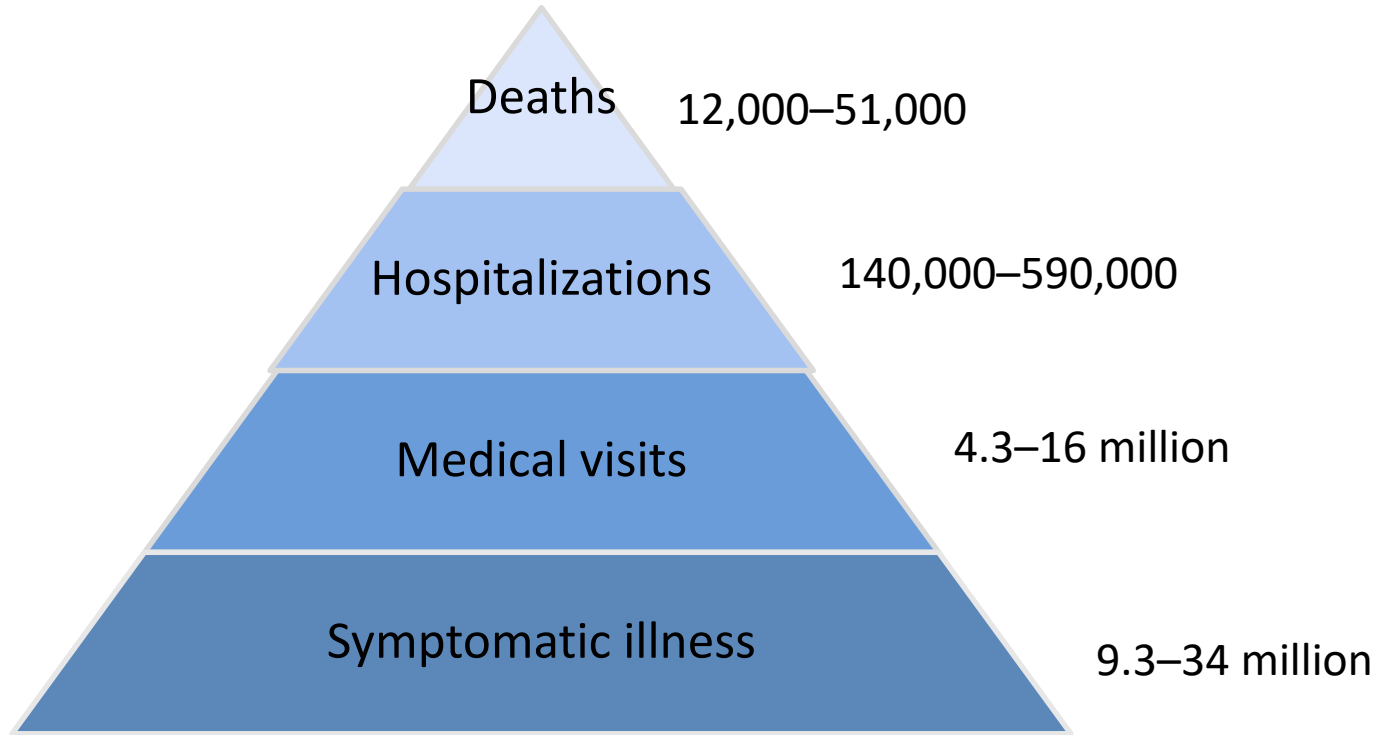
- Rates and percentages from flu surveillance do not quantify the extent and burden of disease
- CDC developed mathematical model to translate surveillance rates into national numbers of illnesses and hospitalizations
- Estimates generated after each influenza season
- Posted online: <https://www.cdc.gov/flu/about/disease/burden.htm>

# Methods



# Burden of Influenza

2010–2011 to 2016–2017



# Burden of Influenza

2010–2011 to 2016–2017

2017–2018

Deaths

12,000 – 51,000

80,000

Hospitalizations

140,000 – 590,000

960,000

Medical visits

4.3 – 16 million

23 million

Symptomatic illness

9.3 – 34 million

49 million



# the burden of flu disease 2017 - 2018

The estimated number of flu **illnesses** during the 2017-2018 season:

**49** million

More than the combined populations of Texas, and Florida



The estimated number of flu **hospitalizations** during the 2017-2018 season:

**960,000**

More than the number of staffed hospital beds in the U.S.



The estimated number of flu **deaths** during the 2017-2018 season:

**79,000**

More than the average number of people who attend the Super Bowl each year



DATA: Influenza Division program impact report 2017-2018, <https://www.cdc.gov/flu/about/burden/index.html>



get vaccinated  
[www.cdc.gov/flu](http://www.cdc.gov/flu)

# Rates of influenza by age group

Age group	Hospitalization rate, per 100,000		Mortality rate, per 100,000	
	Estimate	95% Cr I	Estimate	95% Cr I
0-4 yrs	139.3	( 120.3, 164.5)	0.6	(0.0, 1.5)
5-17 yrs	38.3	( 33.1, 45.3)	0.9	(0.4, 1.8)
18-49 yrs	58.8	( 53.0, 66.1)	2.1	(1.4, 3.2)
50-64 yrs	260.7	( 228.8, 304.4)	11.8	(8.8, 16.9)
≥65 yrs	1,306.5	(1,137.6, 1,547.5)	134.6	(113.0, 170.5)

# What we have learned from burden estimates

- Millions of people get ill, hundreds of thousand are hospitalized, and tens of thousands die from flu each season
- Influenza vaccination is one of the first and most important ways to prevent influenza and its complications



# Thank you!

Melissa Rolfes, PhD, MPH  
mrolfes1@cdc.gov

For more information, contact CDC  
1-800-CDC-INFO (232-4636)  
TTY: 1-888-232-6348 [www.cdc.gov](http://www.cdc.gov)

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

