

David E. Martin

Speaker, Author, Fully Human

**Headlines make
bad Science...
but they sure
sell**

FEAR

'Butterfly' of the Week:

www.davidmartin.world

US is still 'knee-deep' in the first wave of the coronavirus pandemic, Fauci says

By Christina Maxouris and Amir Vera, CNN

[cnn.com/2020/07/06/health/us-coronavirus-monday/index.html](https://www.cnn.com/2020/07/06/health/us-coronavirus-monday/index.html)

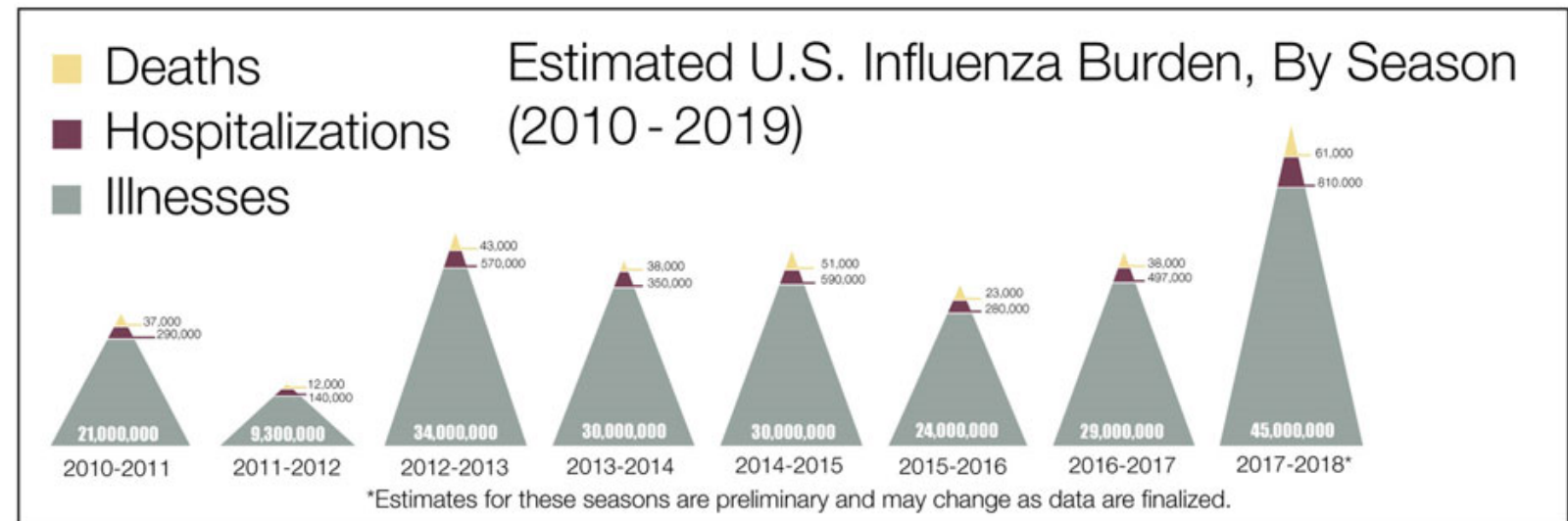
Updated 8:02 AM ET, Tue July 7, 2020

Almost 3 million Americans have been infected with Covid-19, including a growing number of young adults. [More than 130,000 Americans have died](#) from the disease, and some survivors are [grappling with long-term complications](#). A possible factor in the rapid spread is silent transmission through asymptomatic or pre-symptomatic cases, according to [a report published in the Proceedings of the National Academy of Sciences](#) Monday.

<https://www.cnn.com/2020/07/06/health/us-coronavirus-monday/index.html>

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<https://www.cdc.gov/flu/about/burden/index.html#:~:text=While%20the%20impact%20of%20flu,61%2C000%20deaths%20annually%20since%202010.>

Why Aren't We Dying?

▼ Table 1. Deaths involving coronavirus disease 2019 (COVID-19), pneumonia, and influenza reported to NCHS by week ending date, United States. Week ending 2/1/2020 to 7/4/2020.*

Updated July 10, 2020

cdc.gov/nchs/nvss/vsrr/COVID19/

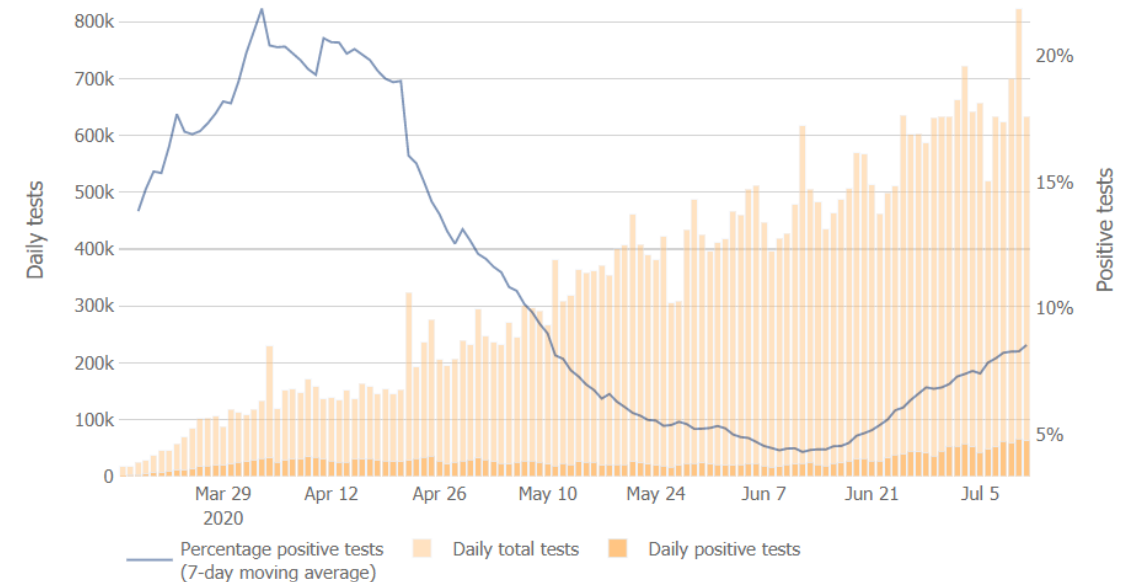
Week ending date in which the death occurred	All Deaths involving COVID-19 (U07.1) ¹	Deaths from All Causes	Percent of Expected Deaths ²	Deaths involving Pneumonia, with or without COVID-19, excluding Influenza deaths (J12.0-J18.9) ³	Deaths involving COVID-19 and Pneumonia, excluding Influenza (U07.1 and J12.0-J18.9) ³	All Deaths Involving Influenza, with or without COVID-19 or Pneumonia (J09-J11), includes COVID-19 or Pneumonia ⁴	Deaths involving Pneumonia, Influenza, or COVID-19 (U07.1 or J09-J18.9) ⁵
Total Deaths	119,318	1,345,941	105	128,582	51,572	6,509	201,881
5/23/2020	6,915	58,607	111	5,637	2,884	22	9,686
5/30/2020	5,817	55,608	107	4,935	2,356	10	8,406
6/6/2020	4,577	53,952	102	4,495	1,981	11	7,102
6/13/2020	3,577	51,372	98	3,905	1,590	10	5,899
6/20/2020	2,532	46,570	86	3,256	1,077	5	4,716
6/27/2020	1,024	35,650	56	1,979	417	4	2,590
7/4/2020	302	20,687	23	991	163	0	1,130

This page was last updated on Sunday, July 12, 2020 at 03:00 AM EDT.

US

JOHNS HOPKINS
UNIVERSITY & MEDICINE

CORONAVIRUS
RESOURCE CENTER



coronavirus.jhu.edu/testing/individual-states

Data Source: Testing data from The COVID Tracking Project.

How were we calculating “expected”?

CDC Centers for Disease Control and Prevention
CDC 24/7: Saving Lives, Protecting People™

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Morbidity and Mortality Weekly Report (MMWR)

Characteristics of Persons Who Died with COVID-19
— United States, February 12–May 18, 2020

Early Release / July 10, 2020 / 69

Jonathan M. Wortham, MD¹; James T. Lee, MD¹; Sandy Althomsons, MHS¹; Julia Latash, MPH²; Alexander Davidson, MPH²; Kevin Guerra, MPH²; Kenya Murray, MPH²; Emily McGibbon, MPH²; Carolina Pichardo²; Brian Toro²; Lan Li, MPH²; Marc Paladini, MPH²; Meredith L. Eddy, MPH²; Kathleen H. Reilly, PhD²; Lisa McHugh, PhD²; Deepam Thomas,

Case-based surveillance

Demographic and clinical data about COVID-19 cases are reported to CDC from 50 states, the District of Columbia, New York City, and U.S. territories using a standardized case-report form (case-based surveillance) or in aggregate. Data on 52,166 deaths from 47 jurisdictions among persons with laboratory-confirmed COVID-19 were reported individually to CDC via case-based surveillance during February 12–May 18, 2020. Among the 52,166 decedents, 55.4% were male, 79.6% were aged ≥65 years, 13.8%

Related Materials

PDF [173K]

- 52,166 deaths with laboratory confirmed presence of COVID-19 (*viral or radiographic?*)
- During the same period, CDC’s “death watch” recorded 94,574 deaths from COVID-19

https://www.cdc.gov/mmwr/volumes/69/wr/mm6928e1.htm?s_cid=m6928e1_w#contribAff

How did we calculate “expected”?



> PLoS One. 2015 Mar 4;10(3):e0118369. doi: 10.1371/journal.pone.0118369. eCollection 2015.

Estimating Influenza Disease Burden From Population-Based Surveillance Data in the United States

Carrie Reed ¹, Sandra S Chaves ¹, Pam Daily Kirley ², Ruth Emerson ², Deborah Aragon ³, Emily P. Hancock ⁴, Lisa Butler ⁴, Joan Baumbach ⁴, Gary Hollick ⁵, Nancy M Bennett ⁵, Matthew R Laidler ⁶, Ann Thomas ⁶, Martin I Meltzer ⁷, Lyn Finelli ¹

Affiliations + expand

PMID: 25738736 PMCID: PMC4349859 DOI: 10.1371/journal.pone.0118369

[Free PMC article](#) pubmed.ncbi.nlm.nih.gov/25738736/

Materials and Methods

Go to:

We based our method for estimating the U.S. influenza disease burden on annual surveillance data collected through the Influenza Hospitalization Surveillance Network (FluSurv-NET). This network conducts population-based sentinel surveillance for laboratory-confirmed influenza-associated hospitalizations from October to the following April in 13 geographically diverse surveillance areas across the U. S., covering approximately 9% of the country's population. Surveillance officers identify all laboratory-confirmed influenza hospitalizations that occur among residents of the surveillance areas by monitoring 282 hospitals in 79 counties. Data from all sites are

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4349859/>

- “Normal” deaths with laboratory confirmed presence of influenza associated pathology
- Note that the CDC’s own standard required “laboratory confirmed” and not random symptom classification

So why did we need the change?

npr radio

U.S. Field Hospitals Stand Down, Most Without Treating Any COVID-19 Patients

May 7, 2020 - 1:15 PM ET
Heard on All Things Considered

JOEL ROSE



\$660 million

As hospitals were overrun by coronavirus patients in other parts of the world, the Army Corps of Engineers mobilized in the U.S., hiring private contractors to build emergency field hospitals around the country.

The endeavor cost more than \$660 million, according to an NPR analysis of federal spending records.

But nearly four months into the pandemic, most of these facilities haven't treated a single patient.

<https://www.npr.org/2020/05/07/851712311/u-s-field-hospitals-stand-down-most-without-treating-any-covid-19-patients>

CNBC MARKETS BUSINESS INVESTING TECH POLITICS CNBC TV

HEALTH AND SCIENCE

Gilead's coronavirus treatment remdesivir to cost \$3,120 per U.S. patient with private insurance

PUBLISHED MON, JUN 29 2020 7:43 AM EDT | UPDATED MON, JUN 29 2020 5:07 PM EDT

Will Feuer
@WILLFOIA

>\$1 billion

- Gilead Sciences announced its pricing plans in preparation for it to begin charging for the drug in July.
- The company has been donating doses to the U.S. government for distribution since it received emergency use authorization in May.



STAT

Fluctuating funding and flagging interest hurt coronavirus research, leaving crucial knowledge gaps

By HELEN BRANSWELL @HelenBranswell and MEGAN THIELKING @megaphone / FEBRUARY 10, 2020 Reprints



wsj.com/articles/u-s-commits-2-billion-for-covid-19-vaccine-drug-supplies-11594132175

THE WALL STREET JOURNAL

U.S. Commits \$2 Billion for Covid-19 Vaccine, Drug Supplies

Novavax, Regeneron are awarded government funding

The Promise and Peril of Fast-Tracking Coronavirus Vaccine Development

As the coronavirus continues to spread around the globe, companies and academics are racing to develop a vaccine that would help society get back to normal. But there could also be costs to moving quickly, to the point of skipping steps in the development process, as the U.S. government has done with the Ebola vaccine.

By E. Jean Carroll and David S. Gelles
Updated 6/29/20 10:07 AM ET

The federal government awarded \$2 billion to two drugmakers to support development and manufacturing of an experimental drug and a potential vaccine against Covid-19. Novavax Inc. said it would receive \$1.6 billion from the federal government to fund clinical studies of its experimental coronavirus vaccine and establish large-scale manufacturing of doses. With the funding, Novavax said it would deliver 100 million doses.

<https://www.wsj.com/articles/u-s-commits-2-billion-for-covid-19-vaccine-drug-supplies-11594132175>

...and let's not forget EVENT201

Sherlock Biosciences and binx health
Announce Global Partnership to Develop First
CRISPR-based Point-of-care Test for COVID-19

July 01, 2020

binx health's Proven Molecular io Platform Combined with SHERLOCK™ CRISPR Technology Will Enable Rapid, Accurate Testing for SARS-CoV-2 in Retail and Near-patient Settings

CAMBRIDGE, Mass. and BOSTON, July 1, 2020 – Sherlock Biosciences and binx health today announced the companies have entered into a strategic partnership to develop the world's first rapid, point-of-care diagnostic test for COVID-19 leveraging CRISPR technology. The organizations will combine the binx io diagnostic platform with SHERLOCK™ CRISPR technology to create a test that is robust and simple to use. This unique solution is designed to provide rapid and accurate results in a single patient visit across many diverse CLIA-waived settings, such as clinics, doctors' offices, assisted living centers, pharmacies and other easily accessible consumer venues, which will assist in broadening ways of managing potential resurgences of the pandemic. The combination of technologies also portends strong positioning for other viral threats as they emerge.

<https://sherlock.bio/sherlock-biosciences-and-binx-health-announce-global-partnership-to-develop-first-crispr-based-point-of-care-test-for-covid-19/>



An Antidote To The
Self-Help Addiction

Dr. David E. Martin

Lizards Eat Butterflies: an antidote to the "Self-help" Addiction unveils how we're living on this planet and how we could do so much more to improve our experience with a shift in perspective. In a triumph of cutting-edge science, social commentary, and deeply personal life experience, David Martin shows us that, with an alteration in perspective, that which stands in the way of our humanity is an illusion that can be eradicated.

amazon
Prime

https://www.amazon.com/Lizards-Eat-Butterflies-Self-Help-Addiction/dp/1735011207/ref=mp_s_a_1_1?dchild=1&keywords=david+martin+lizards+eat+butterflies&qid=1591631499&sr=8-1

BARNES&NOBLE

<https://www.barnesandnoble.com/w/lizards-eat-butterflies-david-martin/1137118509?ean=9781735011202>