



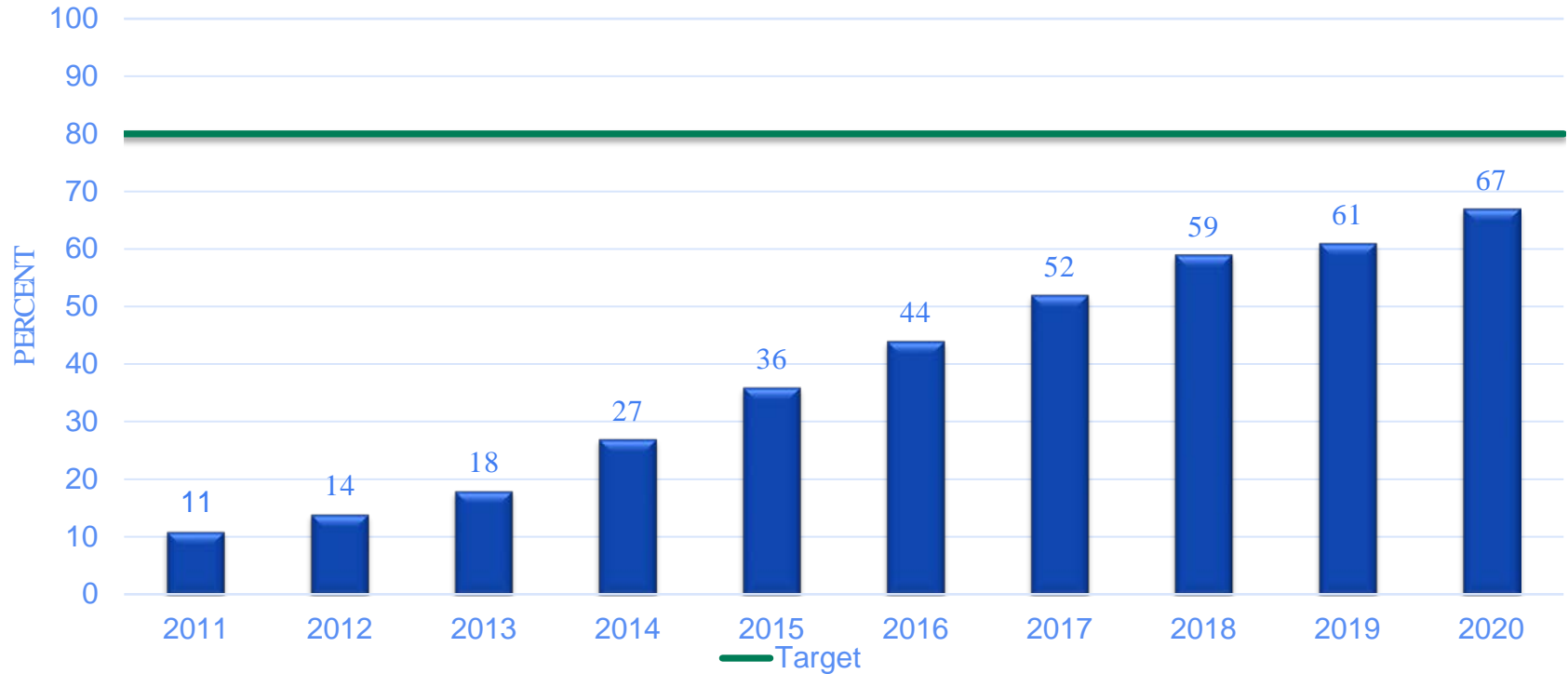
# Innovation in Data Dissemination: Provisional Data

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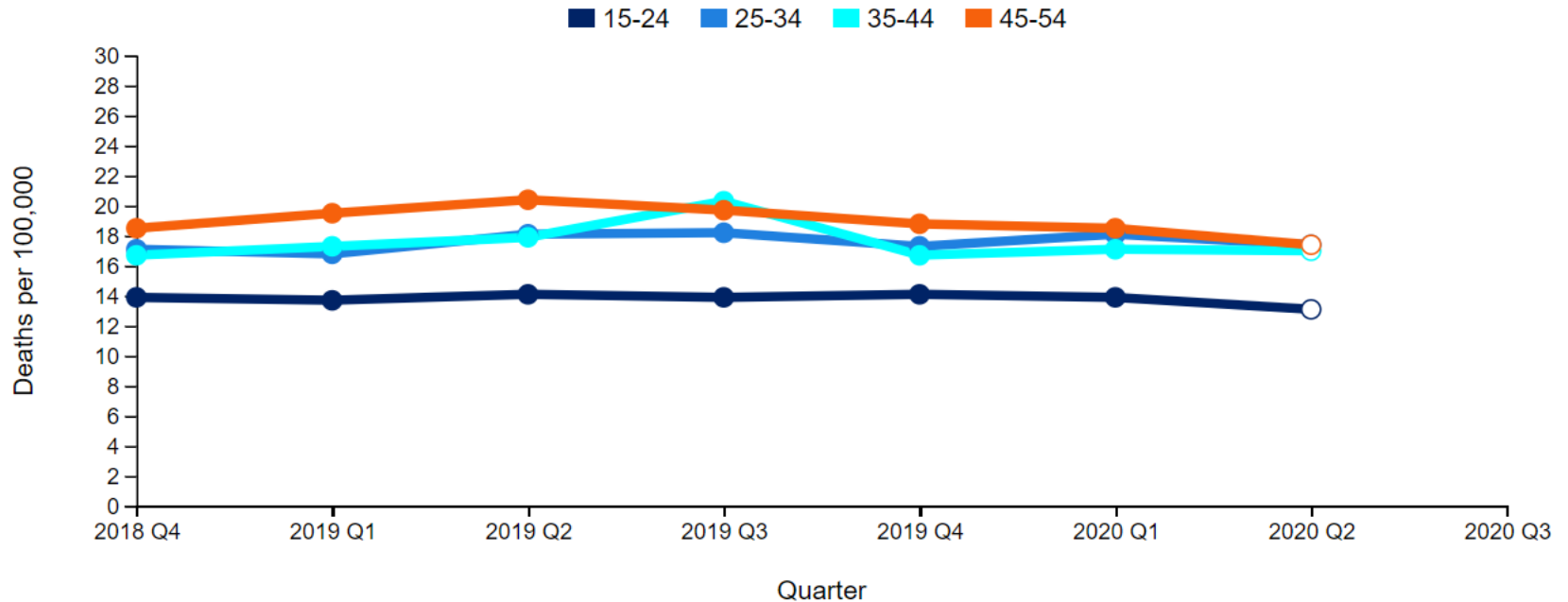
Board of Scientific Counselors Meeting | May 19, 2021

# Proportion of U.S. Mortality Records Received Within 10 Days of the Date of the Event by Year



# Quarterly Provisional Estimates: Mortality

Crude death rates by age for Suicide:  
United States, Quarterly, 2018-Quarter 3, 2020



# COVID-19 Provisional Data – Updated Daily

**Table 1. Deaths involving coronavirus disease 2019 (COVID-19), pneumonia, and influenza reported to NCHS by time-period and jurisdiction of occurrence.**

**Data as of:**

5/13/2021

State							
United States							
Week ending date in which the death occurred	All Deaths involving COVID-19 [1]	Deaths from All Causes	Percent of Expected Deaths [2]	Deaths involving Pneumonia [3]	Deaths involving COVID-19 and Pneumonia [3]	All Deaths involving Influenza [4]	Deaths involving Pneumonia, Influenza, or COVID-19 [5]
5/8/2021	1,298	18,747	35	1,421	685	2	2,035
5/1/2021	2,425	34,198	64	2,670	1,330	1	3,765
4/24/2021	3,492	44,935	83	3,788	1,909	9	5,378
4/17/2021	3,834	50,749	92	4,228	2,073	7	5,993
4/10/2021	3,896	54,925	98	4,471	2,052	9	6,322
4/3/2021	3,856	54,166	97	4,371	1,994	16	6,246
3/27/2021	4,152	56,481	99	4,712	2,195	15	6,681
3/20/2021	4,591	56,647	99	4,964	2,419	7	7,141

# Provisional COVID-19 Death Counts: Demographic and Geographic Detail

## Tabulated Data (counts and/or percentages)

- COVID-19
- Pneumonia and Influenza
- Other Causes of Death (with and without COVID-19)

## Demographic Detail

- Sex
- Age
- Race/Hispanic origin

## Geographic Detail

- National
  - Jurisdiction/state
  - County
- } Counts 1-9 suppressed

# CDC WONDER - <https://wonder.cdc.gov/>



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

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## Multiple Cause of Death, 2018-2019, Single Race Request

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[Map](#)

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Make all desired selections and then click any **Send** button one time to send your request.

### 1. Organize table layout:

[Send](#)

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**Group Results By:** State

**And By:** Five-Year Age Groups

**And By:** None

**And By:** None

**And By:** None

#### Notes:

• Group Results By "15 Leading Causes" to see the top 15 rankable causes selected from the corresponding 113 or 130 Cause List. [More information.](#)

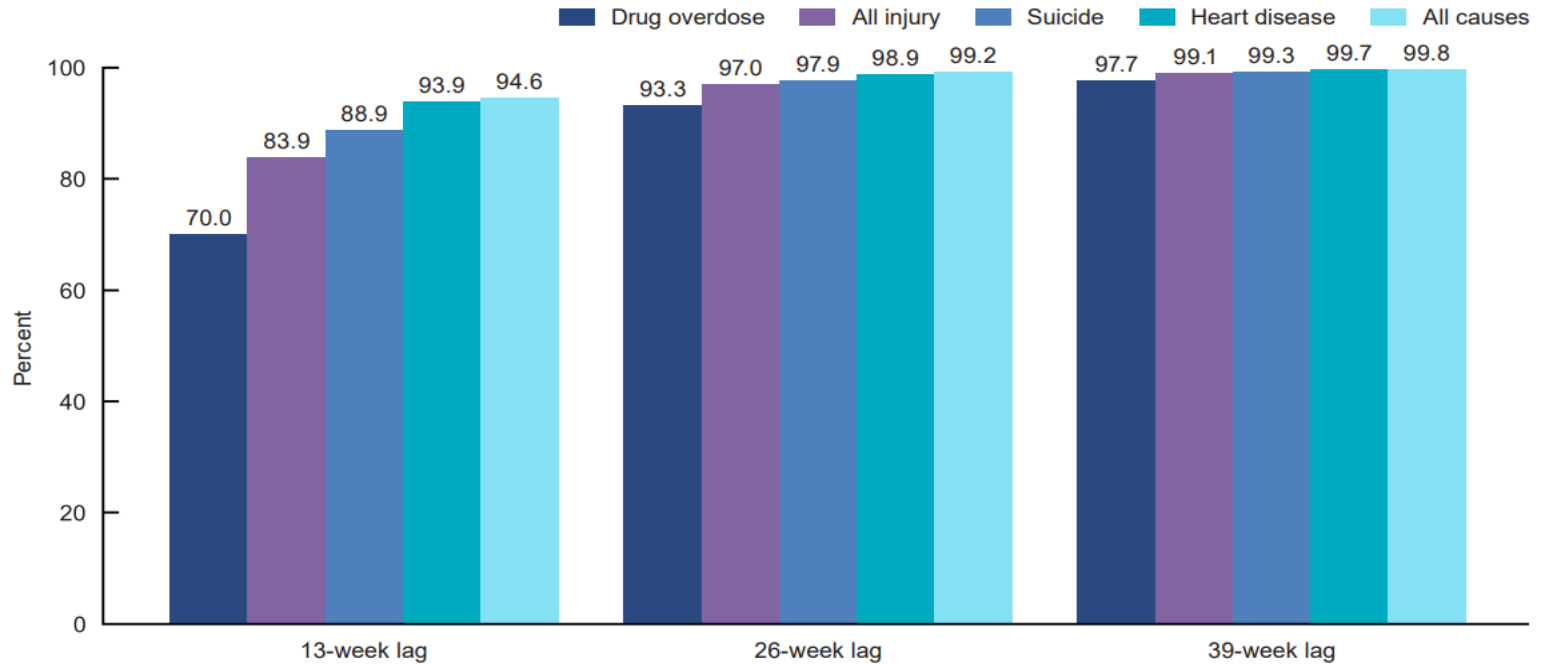
**Measures** (Default measures always checked and included. Check box to include any others.)

- Deaths**    **Population**    **Crude Rate**
- For crude rates:    **95% Confidence Interval**    **Standard Error**
- Age Adjusted Rate**    **95% Confidence Interval**    **Standard Error**

# CDC WONDER and Provisional Data

- New query screen similar to those used for final mortality data
- Add week of death
- Add state of death occurrence (currently only by residence)
- Improved Boolean logic for queries
- Modernized and enhanced API

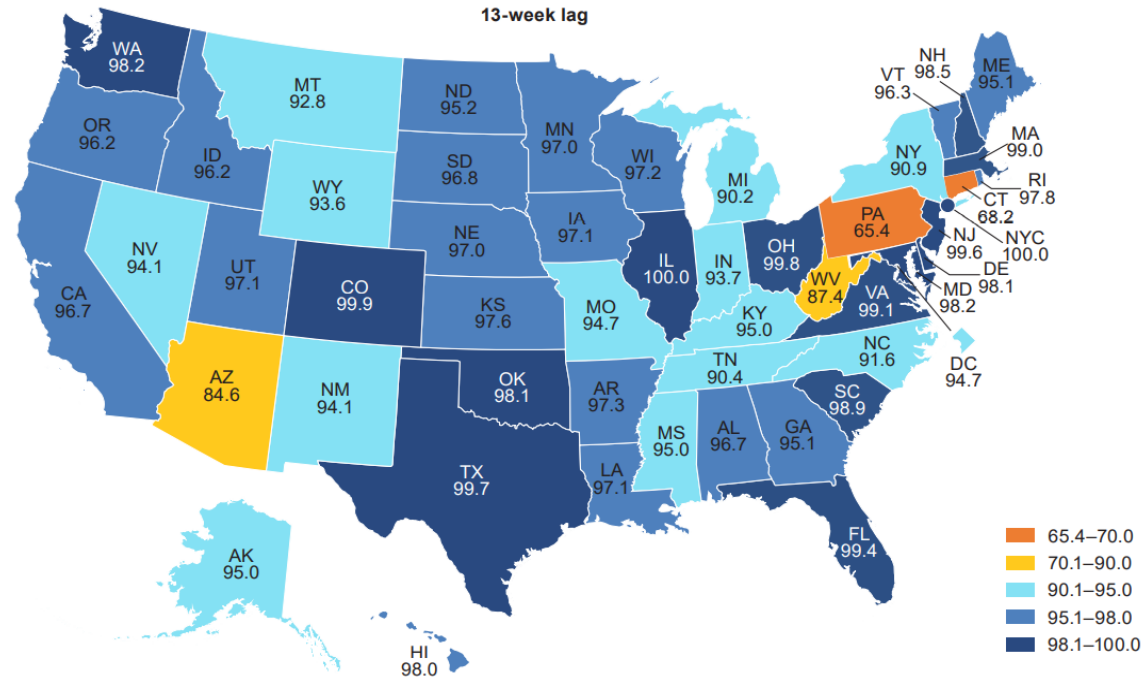
# Mean percentage of death certificate records available for analysis, by cause of death: United States, 2017



Ahmad FBDokpesi P, Escobedo L, Rossen L. Timeliness of death certificate data by sex, age, and geography. Vital Statistics Rapid Release; no 9. Hyattsville, MD: National Center for Health Statistics. June 2020. Available from: <https://www.cdc.gov/nchs/data/vsrr/vsrr009-508.pdf>



# Mean percentage of death certificate records available for analysis, by jurisdiction: United States, 2017



Ahmad F, Dokpesi P, Escobedo L, Rossen L. Timeliness of death certificate data by sex, age, and geography. Vital Statistics Rapid Release; no 9. Hyattsville, MD: National Center for Health Statistics. June 2020. Available from: <https://www.cdc.gov/nchs/data/vsrr/vsrr009-508.pdf>

# What we are still thinking about...

- Reporting lags generally... provisional data are incomplete.
- Reporting lags differ by Jurisdiction and Cause of Death
- Optimum update frequency
- Provisional data have had limited quality review and will have higher levels of unknowns, pendings, and other errors than final data
- How much descriptive analysis is needed to accompany provisional data releases
- Other issues