COVID-19 Mortality Rate Trends in Countries and US States

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Introduction

• The charts in this presentation use the same data sources as the charts in two April 2020 District Data Briefs. Please see these reports for additional details.
  • Getting to Accuracy: Measuring COVID-19 by Mortality Rates and Percentage Changes
  • A Speeding Rate Starts to Slow: COVID-19 Mortality Rates by State

• Since those reports were completed, additional evidence shows that COVID-19 deaths have been underreported, both in other countries and in the United States. The following charts present the latest the Center for Systems Science and Engineering at Johns Hopkins University (CSSE) data through May 24, with no attempt to further correct for underreporting.

• The charts have been modified from those in the reports to better convey the current status of the COVID-19 epidemic in the United States.

• All dates in this presentation refer to the year 2020.
In the week leading up to May 24, the population adjusted number of COVID-19 deaths per week rose in KY and OH and declined in PA, WV, and the US.

Note: Data through May 24, 2020.
Sources: FRBC calculations, The Center for Systems Science and Engineering at Johns Hopkins Univ., and Bureau of Economic Analysis.
Between May 17 and May 24, the number of COVID-19 deaths per week rose in 16 states, including KY, OH, MS, and UT. Deaths per week fell in all Mid-Atlantic states.

Data for May 24, 2020, accessed on May 26, 2020
“Latest week” is 5/18 to 5/24, “prior week” is 5/11 to 5/17.
Sources: FRBC calculations, CSSE, and BEA

Notes: States with no data had no deaths between 5/11 and 5/17. The District of Columbia is in the bin with mortality rate > 185 and percentage difference of -20 to 0 percent. The color bins on this map are changed with each update to better represent the latest data.
This chart gives similar information to the map, but it is more precise and includes the nation as a whole.

COVID-19 Mortality Rates and Changes in Number of Deaths
As of May 24, 2020

The epidemic curve of the US peaked at a lower weekly change in the cumulative mortality rate than the curves of Italy, Spain, and the UK. However, the decline from the peak has been relatively small in the US.
As of May 24, the COVID-19 mortality rate of the US is 299 deaths per million people. This is almost triple that of Germany and just over half those of Italy and UK.
These charts show the changes in COVID-19 mortality rates for the 40 largest US states (left) and the 24 countries with the highest number of COVID-19 deaths in the week leading up to May 24 (right).