

Climate Change & Human Health: Navigating Environmental, Societal & Human Impacts

**Climate Changes Health: Protecting Health In A Turbulent Ecosystem** 

National Academy of Medicine Annual Meeting 10/19/2020



**Georges C. Benjamin, MD Executive Director** 





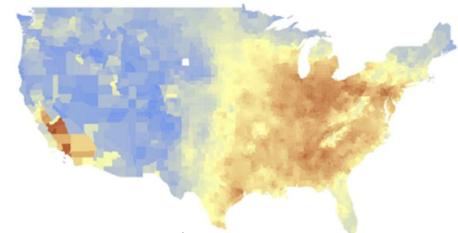






## Exposure to air pollution and COVID-19 deaths in the United States

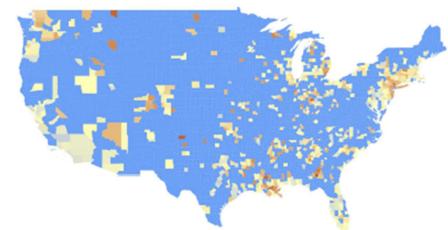
death rate."



Average PM<sub>2.5</sub> concentrations in g/m3 from 2000-2016 in the US

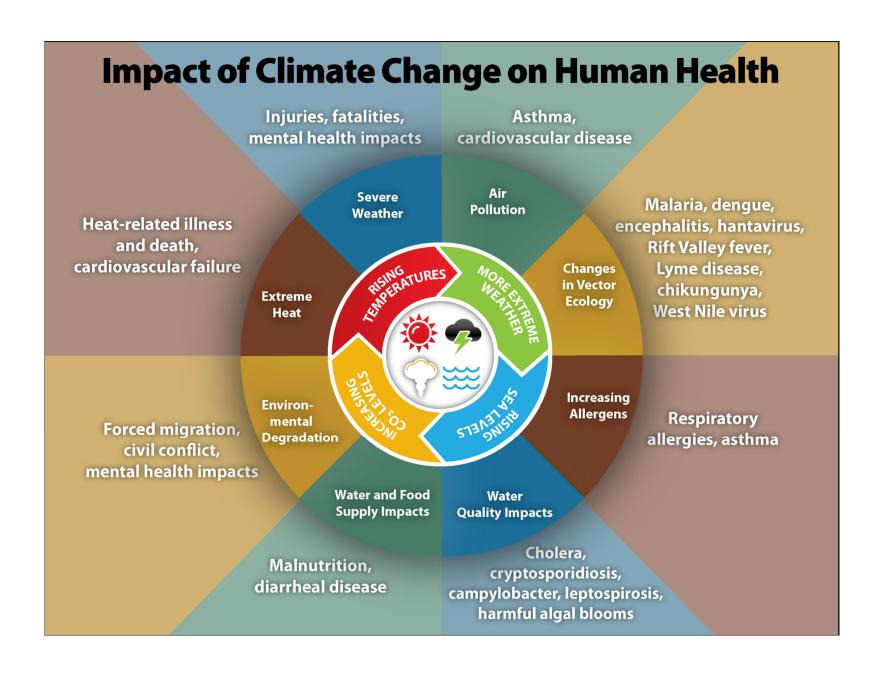
Results: "We found that an increase of just 1 ug/m³ in PM<sub>2.5</sub> is associated with an 8% increase in the COVID-19

Wu, et al. NEJM, April, 2020



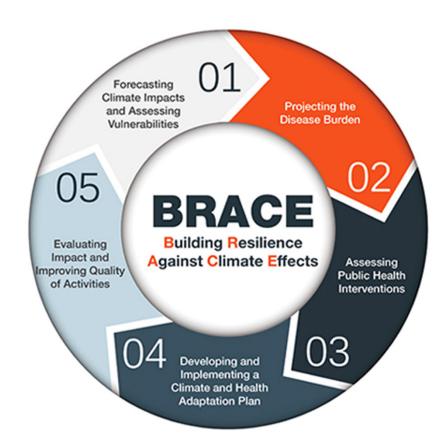
County level number of COVID-19 deaths per one million population up until April 4, 2020

PM<sub>2.5</sub> 9



## **Public Health: Responding In Turbulent Times**





**10 Essential Public Health Services** 



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