

NIDDK Response to the COVID-19 Pandemic

Virtual Briefing Hosted by The Ad Hoc Group for Medical Research and the Coalition for Health Funding

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Research Mission of NIDDK









NIDDK's Integrated Research Programs

Obesity



Type 2
Diabetes



Chronic Kidney Diseases

- Approx. 2/3 of U.S. adults overweight or obese
- More than 40% of U.S. adults obese
- Increasing in the young
- Annual medical cost: \$147B

Obesity Disparities: 49.6% of NH Blacks and 44.8% of Hispanics (compared to 42.2% of Whites)

- Approx. 34.2 million U.S. cases (10.5% of population)—90-95% T2D
- Projected to ~50 million by 2050
- Increasing in the young
- Annual total cost: \$327B

- Nearly 15% of the U.S. population have CKD
- Major causes: diabetes, hypertension
- Annual Medicare cost of CKD and kidney failure: \$98B

Age-adjusted Diagnosed Diabetes:

- 14.7% of AIAN
- 11.7% of NH Black
- 12.5% of Hispanic
- 7.5% of White

ESRD prevalence, compared to U.S. white population:

- 3 times higher in NH Black
- 1.3 times higher in Hispanic



COVID-19 Touches Everything



Vulnerable populations

- -Preexisting conditions
- -Health disparities

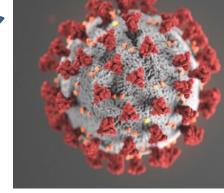




NIDDK research programs—including clinical trials--on hold/delayed for safety reasons



Workforce—grantees, applicants, junior investigators, women, underrepresented scientists



Costs of research increased-restart, PPE, modified strategies and protocols, etc



New research opportunities lost









Need to Keep Eye on the Ball(s)...



From "Biomedical Research Goes Viral: Dangers and Opportunities." Zeggini E et al.

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NIDDK's Multifaceted Response

- COVID-19-related research
- Reducing burden on the research workforce
- Building long-term trust that will be critical for vaccine implementation
 - E.g. Kidney Precision Medicine Project (KPMP) Community Engagement: Patient Participant Voices



- NIDDK COVID-19 webpage: <u>https://www.niddk.nih.gov/research-funding/research-programs/niddk-covid-19-research-response</u>
- All while still keeping an "eye on the ball" of the NIDDK mission