



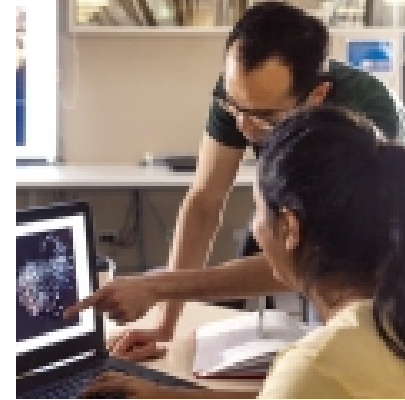
NIA and COVID-19: Research Preparedness and Response

Richard J. Hodes, M.D.
NIA Director

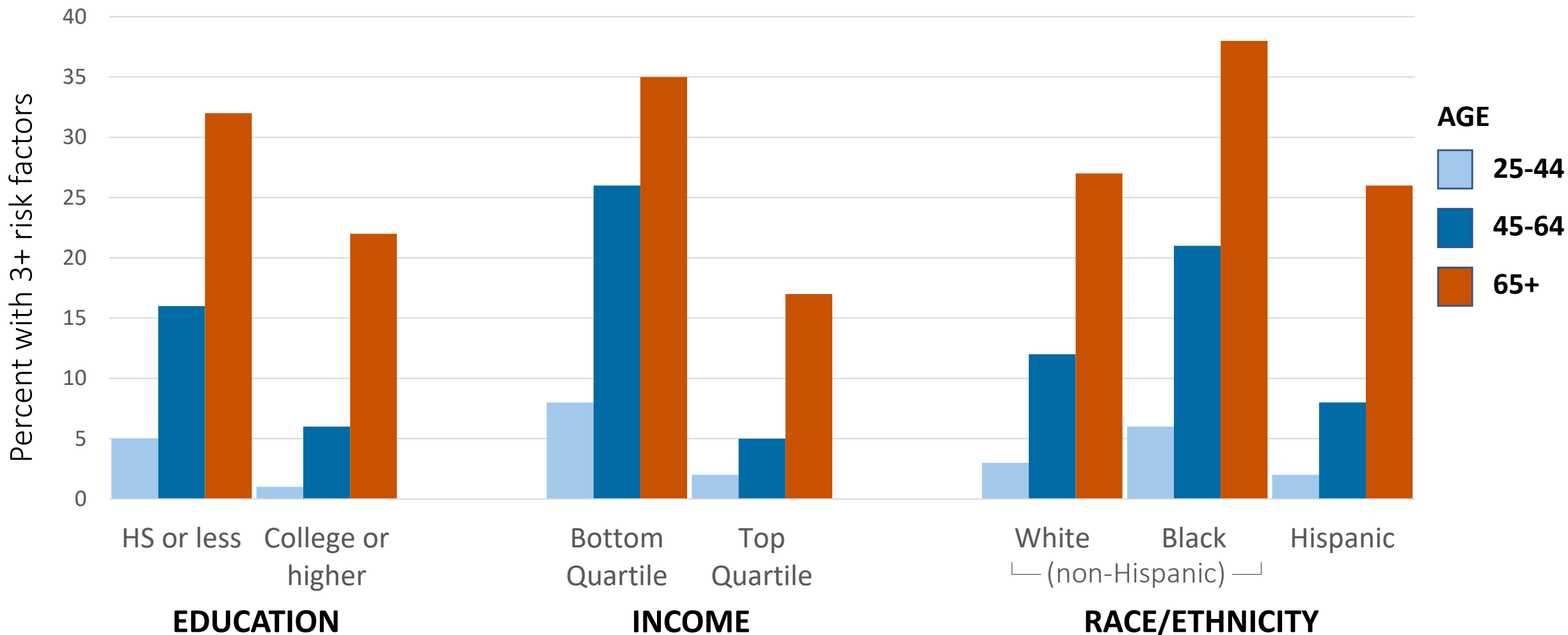
March 3, 2021

NIA's Mission

- Support and conduct genetic, biological, clinical, behavioral, social, and economic research on aging
- Foster the development of research and clinician scientists in aging
- Provide research resources
- Disseminate information about aging and advances in research to the public, health care professionals, and the scientific community, among a variety of audiences



COVID-19 Risk Factors Influenced by Race, Income, and Education Disparities Across Age Categories



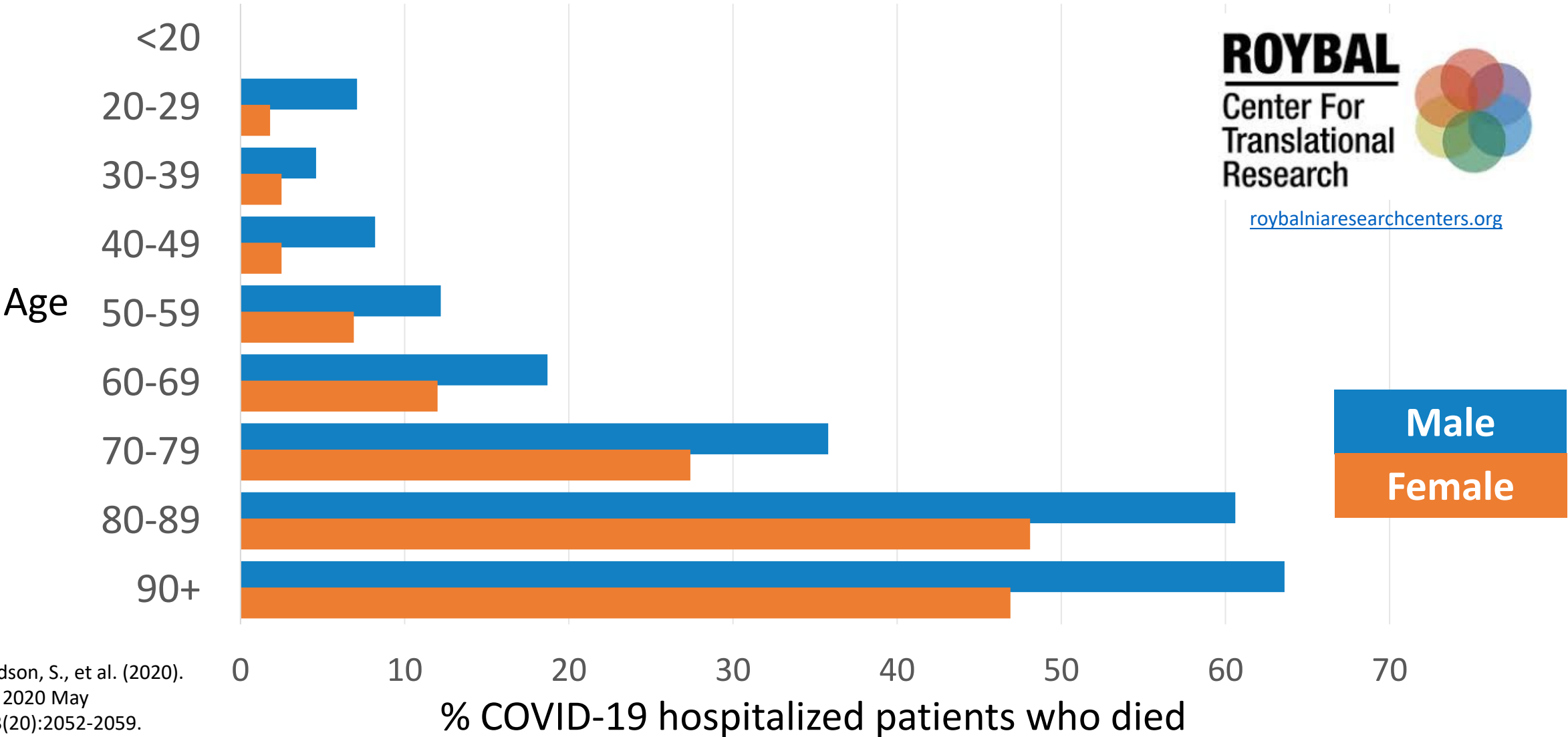
Racial and Ethnic Minorities Are More Likely to Experience COVID-19-Related Discrimination and Mental Distress

- The NIA-funded Understanding America Study surveyed **COVID-19-associated discrimination (CAD) and mental distress** during the initial coronavirus outbreak (March—April 2020).
- CAD was **more commonly experienced** among:
 - Racial and ethnic minorities (especially non-Hispanic Blacks and Asians)
 - Immigrants
 - Face mask wearers
 - Those with COVID-19-related symptoms
- CAD was associated with **increased mental distress.**



Liu, Y., et al. (2020). *American Journal of Preventive Medicine*, 59 (4):481-492. doi:10.1016/j.amepre.2020.06.007

Advancing Age, Male Sex Predict Death Among Hospitalized COVID-19 Patients



Richardson, S., et al. (2020).
JAMA. 2020 May
26;323(20):2052-2059.

New research collaboratory designed to spur innovation and improve dementia care

Collaboratory Goals:

- Enhance research development and investigator capacity:
 - Guide pilot Embedded Pragmatic Clinical Trials (ePCTs), support transformation into full-scale ePCTs.
 - Resource for NIA-funded investigators conducting ePCTs in persons with dementia.
 - Support training through career award, workshops, and on-line modules.
- Develop and disseminate technical, policy, and best practices
- Engage stakeholders

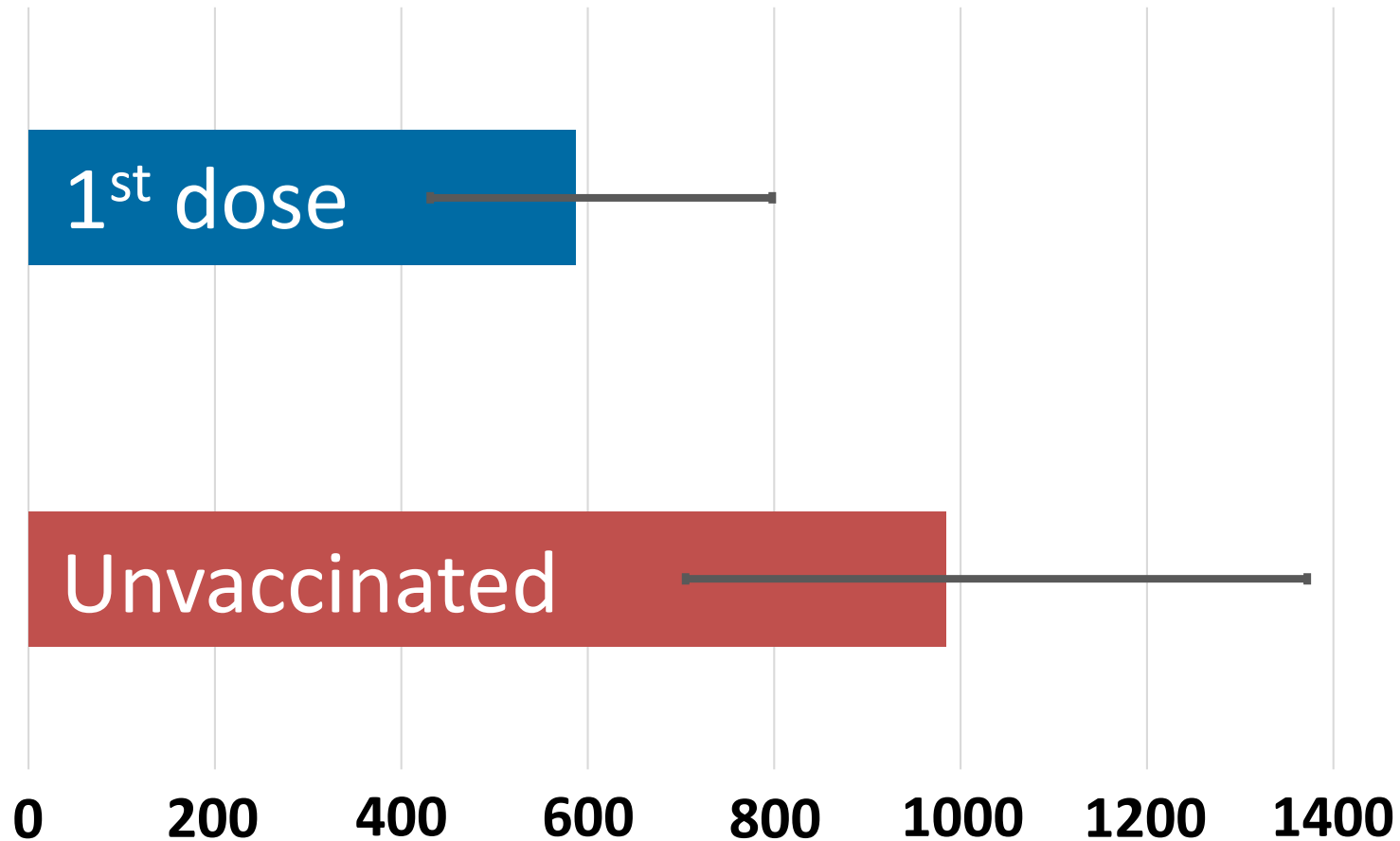


NIA IMPACT
COLLABORATORY
TRANSFORMING DEMENTIA CARE

No Increase in Short-Term Mortality Following COVID-19 Vaccination Among Frail Older Adults



Mortality per 100,000 residents (Dec 18, 2020 – Jan 1, 2021)



- Real-time data on post-vaccination adverse events across 284 nursing facilities
- Data also used by CDC for adverse event monitoring
- Short-term mortality rates appear unrelated to vaccination for COVID-19 in nursing home residents.

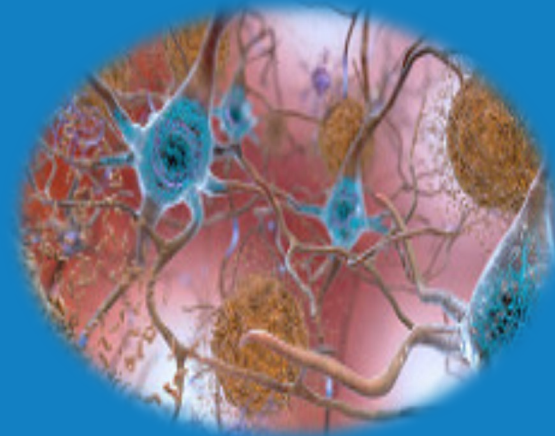
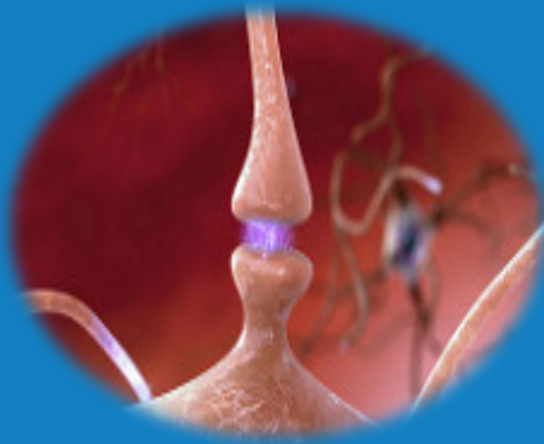
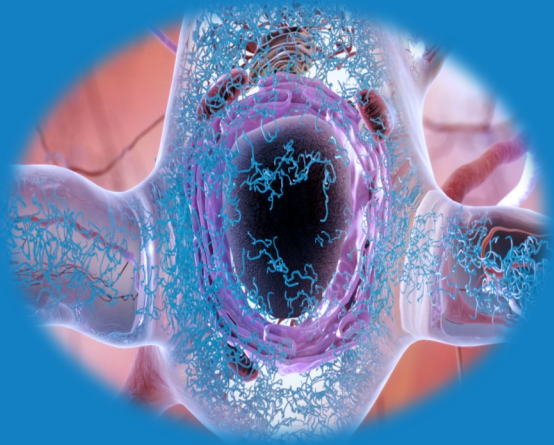
Clinical Trials Pivot to Keep Studies Going

Examples of Shifts to Clinical Trial Protocols in response to COVID-19

- Exercise trials are now using virtual coaching and fitness training
- Trials with intravenous infusions of medication are moving to in-home infusions
- Trials have shifted to remote monitoring and screening of participants



A number of these flexibilities will remain even after trial sites re-open as they present greater options and reduce barriers for participants



NIA

The Leader in Aging Research

