We must maintain and strengthen our nation’s investment in medical research through the National Institutes of Health. This is an urgent priority for Congress, as our nation works to restart stalled research, keep up with pressing public health challenges, continue to fight COVID-19 and prepare for the next potential pandemic.

**PART 4 | NIH DRIVING PROGRESS**

The NIH is a driving force in the global effort to understand, treat and eradicate COVID-19. In just months, progress is being made on many fronts thanks to congressional support for supplemental funding for NIH, the collaboration and investments by the life sciences and biopharmaceutical industries and America’s longstanding leadership in biomedical research. Despite remarkable progress, much work remains and will require continued congressional prioritization of funding for the NIH.

**SUPPLEMENTAL FUNDING TO NIH TO ADDRESS COVID-19**

- **$836 million**
  - Coronavirus Preparedness and Response Supplemental Appropriations Act
  - MARCH 5

- **$945 million**
  - CARES Act
  - MARCH 27

- **$1.8 billion**
  - Paycheck Protection Program and Healthcare Enhancement Act
  - APRIL 24

**COORDINATING DEVELOPMENT OF CRITICAL TOOLS**

NIH launched two programs in April to speed development of COVID-19 vaccines, treatments and diagnostic tests

**ACTIV: Accelerating COVID-19 Therapeutic Interventions and Vaccines**

**AS OF SEPTEMBER 10**

- **3 Vaccines** in trials using harmonized protocols informed by ACTIV
- **5 Trials** of therapeutics using ACTIV protocols

**RADx: Rapid Acceleration of Diagnostics**

**AS OF SEPTEMBER 20**

**RADx Tech Dashboard* Program**

- **708 PROPOSALS**
  - 45 Phase 1 proposals selected, undergoing de-risking
  - 131 Deep Dive conversations to ID risks and milestones
  - 16 Phase 2 proposals selected for further development, manufacturing and distribution support

*RADx-Tech and RADx-ATP are the first two of the four RADx programs to announce funded projects

**NIH-SUPPORTED COVID-19 RESEARCH**

- **982 grants** totaling **$1.7 billion** awarded by NIH
- **506** via Regular Appropriations
- **314** via Coronavirus Preparedness and Response Supplemental Appropriations
- **123** via CARES Act
- **40** via Paycheck Protection Program and Healthcare Enhancement Act

**MONITORING THE IMPACT ON PATIENTS**

- Alzheimer’s Association announces global effort to track impact of COVID-19 on the brain
- Pandemic’s impact on cancer patients and survivors
- A history of stroke associated with death of hospitalized patients with COVID-19, study finds

#keepNIHstrong | Learn how UMR members are addressing COVID-19 at unitedformedicalresearch.org/covid-19
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### Unprecedented Impact, cont.

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**COVID-19 Research from Around the Country**

Never before has so much research energy and effort been deployed to understand, detect, and fight a single virus.

**Progress toward Treatments**

**Development**

- **739 unique compounds**
  - in development globally
  - More than half involve U.S.-based companies
  - **26% vaccines**
  - **27% antivirals**
  - **47% treatments**

Source: BIO | As of September 28

**Clinical Trials**

- **1,597 clinical trials**
  - Testing COVID-19 treatments & vaccines
  - Up from **1,100 in June**
  - 360+ trials in the United States
  - 99 clinical trials testing **34 vaccine candidates**
  - 200+ trials are testing novel compounds and 955 trials are testing medicines approved for other indications

Source: PhRMA | As of September 11

**Diagnostic Tests**

- **170 million total U.S. shipments**
  - of COVID-19 molecular diagnostic tests to date
  - 1.2 million = daily shipments
  - Up from **600,000 in May**

Source: AdvaMed | As of September 25

Vanderbilt researchers find streamlined diagnostic approach for COVID-19 avoids a potential testing logjam.

VUMC-led study for CDC finds COVID-19 antibodies drop substantially in the weeks following infection.

Washington University COVID-19 saliva test is faster, simpler and enables screening on a massive scale.

MIT robot could reduce health care workers’ exposure to Covid-19 virus.

Penn researchers create database of drugs used to treat COVID-19 to find promising leads.

Stanford University Vaping linked to COVID-19 risk in teens and young adults, according to Stanford study.

Harvard University Children’s role in spread of virus bigger than thought, Harvard study finds.

BU scientists are studying the biological domino effect SARS-CoV-2 sets off.

Sticker-like medical device developed by Northwestern University streams COVID-19 symptom data to physicians.

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