TACKLING URGENT HEALTH SECURITY RISKS DURING THE COVID-19 PANDEMIC

The COVID-19 pandemic sparked an urgent need to solve massive healthcare supply-chain challenges, create innovative therapies, accelerate vaccines, reimagine public health services, and empower leaders with information to make life-and-death decisions amid high uncertainty.

Responding to the call, MITRE engaged U.S. government leaders to advance rapid federal COVID-19 responses through the multiple federally funded research and development centers (FFRDCs) that MITRE operates. In parallel, MITRE, in partnership with the Mayo Clinic, convened the COVID-19 Healthcare Coalition in March 2020 to help healthcare system leaders and public health officials respond to the novel coronavirus.

SUMMARY OF MITRE EFFORTS ACROSS THE PUBLIC AND PRIVATE SECTORS DURING 2020

**MONITORING, REPORTING, SUPPLY CHAIN**
- VHA COVID-19 Procurement and Distribution Process for Emergency Supplies
- DoD Pandemic Analysis Decision Platform
- NIH All of Us Participant Survey on Health and Well-Being During the COVID-19 Pandemic
- DHS NPI Modeling and Impact Awareness Tools
- Pandemic Analytics Platform (predictive model for policy impacts on infection rates and economic conditions)
- COVID-19 Decision Support Dashboard
- COVID-19 PPE Demand Model

**NATIONAL HEALTH SECURITY STRATEGY**
- ASPR Sustainable Biodefense Industrial Base Business Cases for Priority Health Security Threats
- ASPR Horizon Scan and Risk Mitigation for 21st Century Health Security Threats
- ASPR Medical Countermeasures Dispensing in Support of The Last Mile
- Catalog of Federal Authorities, Contract Vehicles, and Initiatives for COVID-19 Response

**PUBLIC HEALTH SYSTEM MODERNIZATION**
- CDC Sara Alert—Building an Enduring National Capability to Contain COVID-19
- CDC Feasibility of Record Linkage across COVID-19 Surveillance Systems
- CDC Data Gathering to Inform COVID-19 Testing Information Dashboard
- Federated Analytics for Near-Real-Time Observational Studies with Multiple EHR Vendors

**DATA & INTEROPERABILITY**
- Army TATRC Rapid-Start COVID-19 Activities, Digital Health Ecosystem
- HHS Center for Health Innovation Data Analytic Strategy re: Long-Term COVID-19 Impacts
- COVID-19 Standards for Federated Analytics
- COVID-19 Resource Library of Data Assets

**HEALTH POLICY & ANALYTICS**
- Medicaid COVID-19 Response and Recovery Activities
- Medicare Price Transparency for COVID-19 Testing
- Rapid Response Policy Development to Enable Reporting Flexibilities in CMS Quality Programs
- CMS Office of Minority Health Rural Health Analysis
- Medicaid and CHIP COVID-19 Vaccine Administration Coverage and Reimbursement Toolkit
- CMS Program Integrity Strategy and Policy Analysis

**THERAPEUTICS & CARE-SETTING SUPPORT**
- Convening of Coronavirus Commission for Safety and Quality in Nursing Homes (CMS)
- HHS Federal Therapeutic Efforts COVID-19 Convalescent Plasma Donation Platform and Recruitment
- “The Fight Is In Us” Public Service Campaign for Convalescent Plasma Donation
- Private-Sector Coalition Studies on Outcomes of Potential COVID-19 Treatments
- Telehealth Impact Study with Mayo, AMA, Others

**VACCINATION**
- ASPR COVID-19 Vaccine Manufacturing Feasibility Assessment
- NIH Outbreak Emergency Preparedness (Scientific Knowledgebase for High-Risk Viruses Related to Accelerated Vaccine Development)
- Vaccine Credential Initiative
- COVID-19 Vaccine Administration Clinical Communication System (VACCS)

**DIAGNOSTICS & TESTING**
- NIH SEED Program Support to Accelerate Small Business Innovations in COVID-19 Tests
- NIH All of Us SARS-CoV-2 Serum Antibody Study to Identify Cases from Early 2020
- Connecting and Coordinating National Partners to Advance Waste-Based Epidemiology for COVID-19

**PUBLIC HEALTH COMMUNICATION**
- Social Media Analysis and Response Strategies Related to Dis/misinformation
- SQUINT Tool for Identifying COVID-19 Misinformation
- Thought Leadership Series on Testing, Contact Tracing, Telehealth, Supply Chains, Treatments, PPE
- Patient and Clinician Education on Emerging Therapeutics

MITRE work with: Federal Government Industry

For more information, contact mitrehealth@mitre.org