Infectious disease outbreaks now occur 3 times more often than 40 years ago.

**WHEN WILL THE NEXT PANDEMIC OCCUR?**

Any Time.

Infectious disease outbreaks now occur 3 times more often than 40 years ago.

**WHAT IS MOST LIKELY TO CAUSE THE NEXT PANDEMIC THREAT?**

- **No immunity** – No preexisting immunity in the world’s population
- **Airborne** – Spread via respiratory transmission
- **Silent** – Transmissible by infected people who have no symptoms
- **Harmful** – No existing, effective therapeutics or vaccines

**ARE WE PREPARED TO MAKE VACCINES, ANTIVIRALS, AND TESTS EVEN FASTER DURING THE NEXT PANDEMIC?**

No. Currently there is $0 sustained federal funding dedicated to developing medical countermeasures for unknown viral threats.

**HOW CAN WE MAKE MEDICAL COUNTERMEASURES WITHOUT KNOWING WHICH DISEASE (“DISEASE X”) WILL STRIKE NEXT?**

By focusing medical countermeasure development efforts on the viral families most likely to cause pandemics, rather than on a specific virus that may or may not present a future threat.

The United States should fund a new dedicated Disease X Medical Countermeasure Program that leverages technologies and vaccine platforms most suitable to the viral families that are likely to cause future catastrophic disease outbreaks.

Medical countermeasures against 1 member of a viral family could easily be adapted to another member quickly when the next threat emerges.

With this flexible approach, private-public partnerships could develop vaccines, antivirals, and tests for a range of unknown potential pandemic pathogens in months, not years.

Stopping the next COVID-19-type pandemic a month earlier in the United States would save approximately $500 billion.

Developing the COVID-19 vaccines in 1 year was only possible because of 15 years of prior coronavirus research + a $12 billion federal investment.

**Center for Health Security**

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