

# Developing Treatments and Vaccines to Fight COVID-19

There are **1112 clinical trials under way across the globe** for vaccinations and treatments.



Data as of 6/5/2020

Source: World Health Organization International Clinical Trials Registry Platform (ICTRP)

# Our Commitment to *Beat* Coronavirus

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We are **rapidly screening our vast global libraries of medicines** to identify potential treatments and have numerous clinical trials underway to test new and existing therapies

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We are **expanding our unique manufacturing capabilities and sharing available capacity** to ramp up production once a successful medicine or vaccine is developed

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We are **dedicating our top scientists and using our investments in new technologies** to speed the development of safe and effective vaccines

# Our Commitment to *Beat* Coronavirus

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We are **collaborating with government agencies, hospitals, doctors and others** to donate supplies and medicines to help those affected around the world

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We are **working with governments and insurers** to ensure that when new treatments and vaccines are approved they will be available and affordable for patients

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We are **sharing the learnings from clinical trials in real time** with governments and other companies to advance the development of additional therapies

# Factors Contributing to the Industry's Response

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Armed with experience garnered from previous outbreaks and a vast storehouse of knowledge about infectious diseases like influenza, malaria and HIV, researchers are working to develop and deliver diagnostics, treatments and vaccines to save lives and restore the rhythms of daily life for billions of people.

# Factors Contributing to the Industry's Response

## DIAGNOSTICS

### It's essential to know who has been infected.

- ▶ Companies are accelerating the development of diagnostic testing capabilities to scale-up screening and working in partnership with governments and diagnostic companies on existing screening programs to supplement testing.

## EXISTING MEDICINES

### Medicines approved for other diseases may have some benefit for patients with COVID-19.

- ▶ Researchers are testing antivirals, antibiotics and other medicines.
- ▶ These medicines have the potential to reduce the burden of COVID-19 on hospitals by reducing the length and severity of disease.

## NEW TREATMENTS

### Various drugs are in development, with some entering human trials.

- ▶ Researchers are working on new antiviral medications to interfere with ways the virus infects cells and reproduces.
- ▶ Antibody-based drugs may be able to mobilize the immune system against the virus.

## VACCINES

### A vaccine would provide a preventive approach to beating COVID-19.

- ▶ Although vaccines can take longer to develop than other treatments, once enough people in a community are vaccinated, individuals are protected and the community risk of transmission is reduced. A variety of biopharmaceutical companies are taking different approaches to find a vaccine. More "shots on goal" will significantly increase the chances of success.

## MANUFACTURING

### We are committed to manufacturing these medicines and making them available to those who need them.

- ▶ We're ramping up output of existing medicines with demonstrated benefit and investing in infrastructure to accelerate production of new treatments.
- ▶ Biopharmaceutical companies are planning and building manufacturing capacity without assurance medicine and vaccine candidates will ultimately be successful, to ensure that if one is, distribution can occur rapidly.
- ▶ America's biopharmaceutical companies are ensuring that solutions can be made available quickly to everyone who needs them.

# For More Resources and Information, Visit [PhRMA.org/Coronavirus](https://www.phrma.org/coronavirus)



**An up-to-date list of member company efforts to combat COVID-19**



**A factsheet on the pipeline for new vaccine and treatments**



**An open letter from PhRMA's CEO and PhRMA's Chairman of the Board**



**The latest Catalyst blog posts on COVID-19**



**An infographic on how the industry is fighting COVID-19**