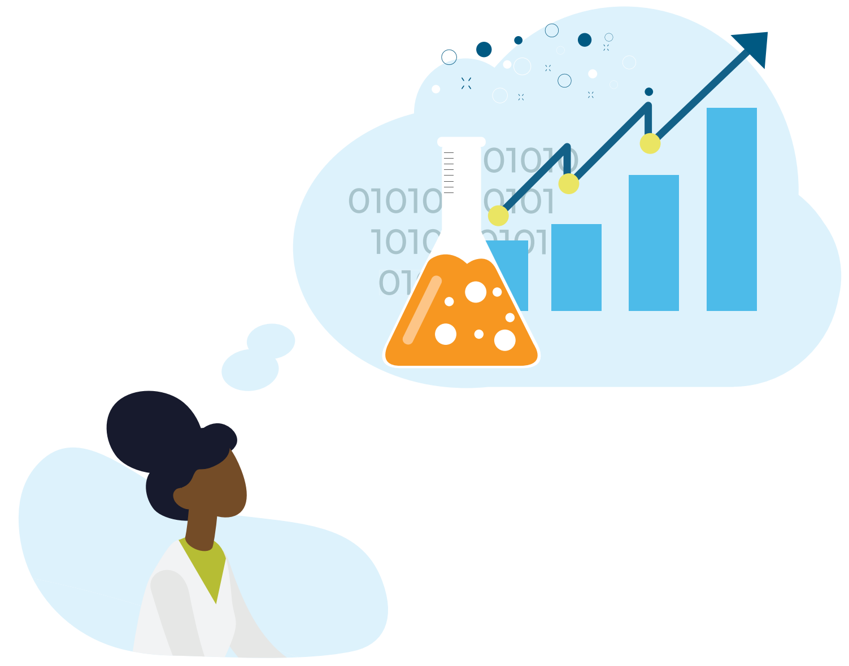
8 KEY LESSONS FOR OUTBREAK RESPONSES

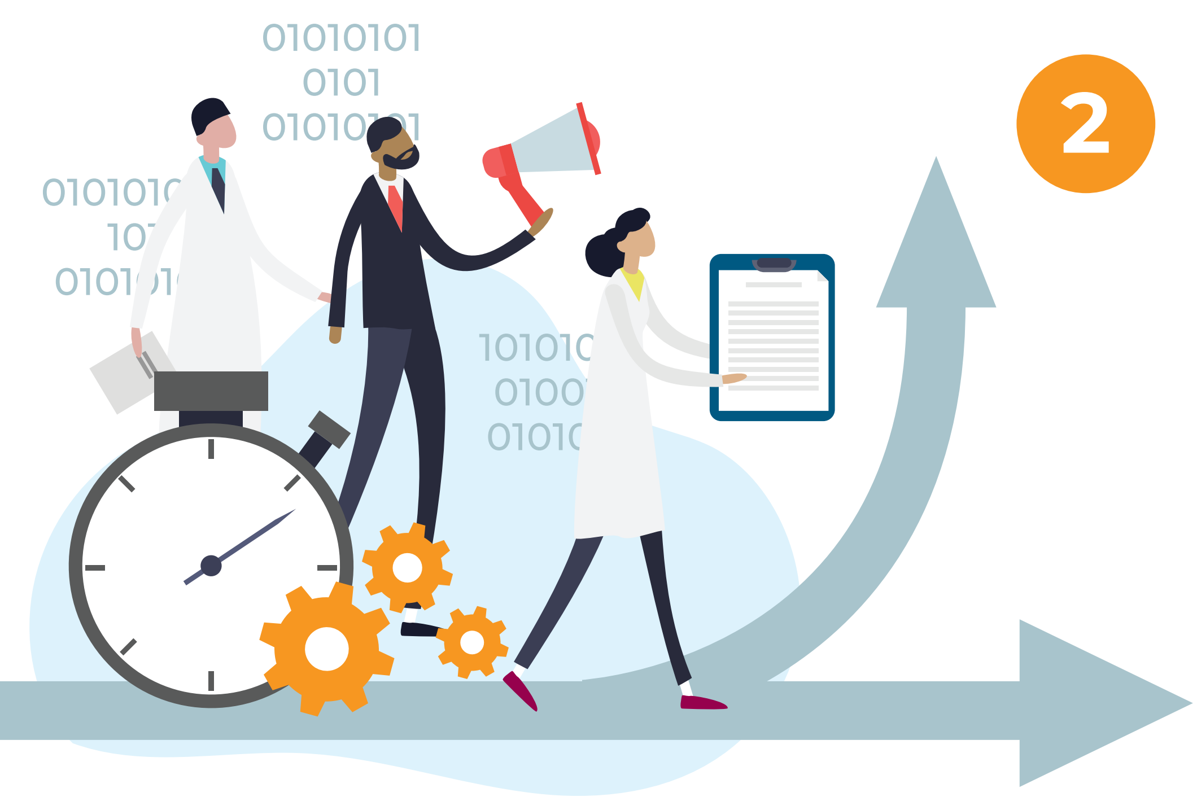
As we find ourselves in the midst of a pandemic outbreak of another novel virus — this time, a coronavirus — it seems worthwhile to reflect on what we've learned from our prior experience with outbreaks large and small.

Based on our experience with past outbreaks, including HIV, Zika, avian influenza and Ebola, we've compiled eight key lessons for effective responses.

1 GOOD DECISIONS RELY ON GOOD DATA

The early collection of reliable data from testing and diagnosis as well as global data sharing allows us to make critical decisions about resource allocation and case management.



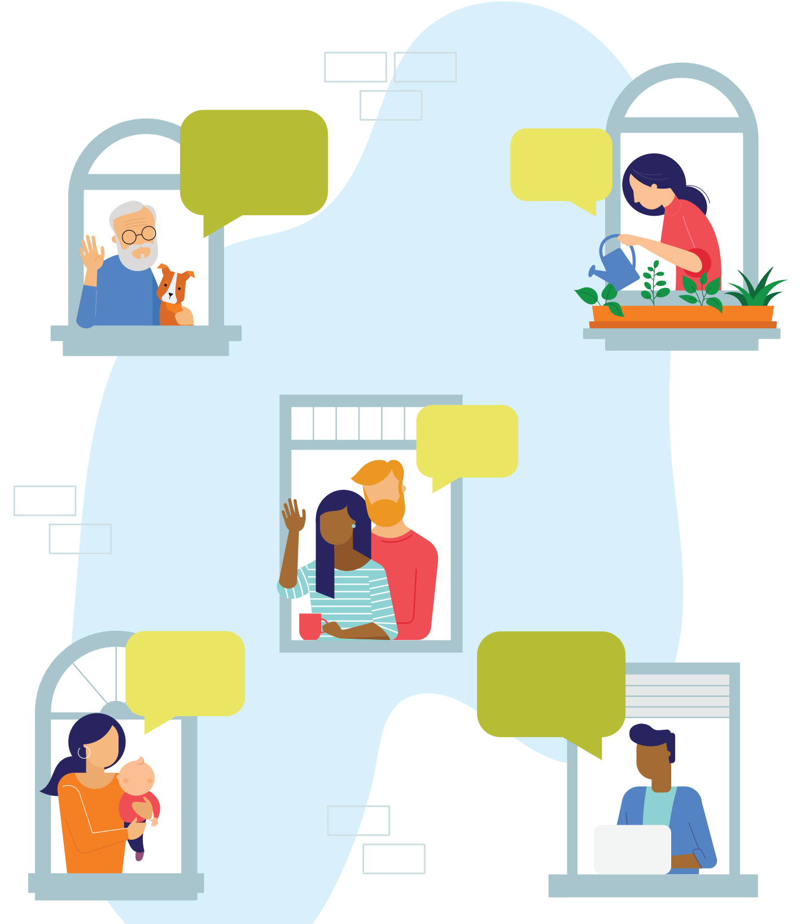


2 RAPID DECISIONS SHOULD BE MADE USING THE BEST DATA AVAILABLE

We cannot afford to wait until we have ALL the data to make decisions. Therefore, we base our early decisions on our best judgment using our past experience and the available data.

3 PREPAREDNESS IS KEY

Pandemic preparedness and public-private partnerships are essential to building the expertise needed to protect the world's population and stockpile needed medical countermeasures.

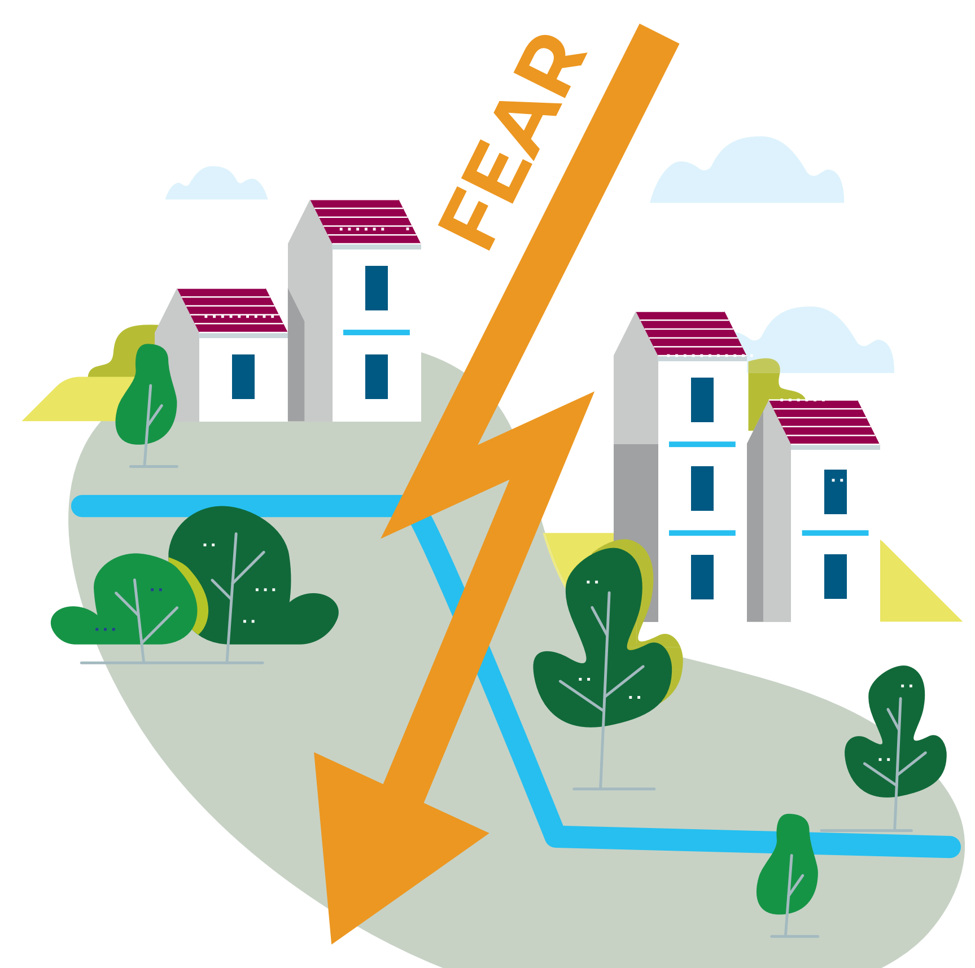


4 COMMUNITY ENGAGEMENT IS ESSENTIAL TO CONTAINING OUTBREAKS

Honest and open communication are crucial; there can't be a separation between the people implementing the solutions and the people who are experiencing anxiety about the situation.

5 EDUCATION AND COMMUNICATION REDUCE FEAR AND PANIC

Effective community-based efforts rely on open, honest communication about the disease origins, transmission and treatment. Fear-driven bias and stigma divide communities and undermine interventions. We've seen it with HIV/AIDS, Ebola, and now COVID-19.



6 INNOVATIVE SOLUTIONS ARE NEEDED

We need to consider how to use our limited resources and control the influx of patients who do require hospitalization through the use of retired medical personnel, alternative locations for isolation and quarantine and development of online information-sharing resources.

7 DIAGNOSTICS, VACCINES AND THERAPEUTICS NEED TO BE RAPIDLY DEVELOPED

The current paradigm of drug development, clinical trials and regulatory approvals requires the entire industry to act with a sense of urgency.

8 WE MUST WORK ACROSS BORDERS AND DISCIPLINES

We need to act as one global community — sharing information, providing consistent guidance, pooling resources and collaborating to develop diagnostics, vaccines and therapeutics. We also need to work across private-public sectors to ramp up testing, manufacturing and development capacity.

FHI CLINICAL: WE'RE TWO STEPS AHEAD

Because of FHI Clinical's global capacity, relationships and toolkit of resources, we are ready to deploy immediately and able to measure study launch in weeks — rather than months.

THE FHI CLINICAL PROCESS

With FHI Clinical involvement, study start-up times of 6-8 weeks can be achieved.

Use local resources
and existing relationships

Hire additional staff
Import product
Train study personnel

THE TYPICAL PROCESS

Deploy
resources

Develop relationships
- Regulatory agencies
- Governments
- Sites
- Labs
- Communities

STUDY START-UP

STUDY EXECUTION

CONTACT US

Learn how we provide coordinated support for complex clinical research, including during outbreak responses, in the United States as well as in resource-limited settings around the world. To learn more, visit **fhiclinical.com**, email us at **info@fhiclinical.com** or call **919.321.3321**.