TABLETOP EXERCISE

Event 201

This interactive tabletop exercise is based on a fictional scenario. The much experts used for modeling the potential impact were fictional as it is a teaching and training exercise for public health and government officials.

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Statement about nCoV and our pandemic exercise

In recent years, the world has seen a growing number of epidemics events, amounting to approximately 200 events annually. These events are increasing, and they are disruptive to health, economies, and security. Pandemic influenza is the most stressful health risk we face, and we must be prepared. Experts agree that it is only a matter of time before one of these epidemic/ecosystem disaster – a pandemic with potentially catastrophic consequences. A severe pandemic, which becomes "Event 201," would require drastic cooperation among several industries, national governments, and key international institutions.

The Johns Hopkins Center for Health Security, World Economic Forum, and Bill & Melinda Gates Foundation have joined together to address this challenge.

About the Event 201 exercise

Event 201 is a high-fidelity, pandemic tabletop exercise that will simulate a series of dynamic, scenario-driven, facilitated discussions, difficult, true-to-life dilemmas associated with response to a hypothetical, but scientifically possible, pandemic. US global businesses, governments, and public health leaders were [invited](#) to the simulation exercise that highlighted unresolved real-world policy and operational issues. The exercise illustrated areas where public-private collaboration and action may be needed in the future.

The exercise consisted of pre-recorded news broadcasts, live "staff" briefings, and moderated discussions led by experts. These topics were carefully designed in a compelling narrative that educated the participants and the audience.

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Purpose

Event 201 is part of the world has seen a growing number of epidemic events, amounting to approximately 200 events annually. These events are increasing, and they are disruptive to health, economies, and security. Managing these events already stress global capacity, even absent a pandemic threat. Experts agree that it is only a matter of time before one of these epidemic/ecosystem disaster – a pandemic, with potentially catastrophic consequences. A severe pandemic, which becomes "Event 201," would require drastic cooperation among several industries, national governments, and key international institutions.

[Recent economic studies show that pandemics will be the cause of an extreme annual economic loss of](#) approximately 3.5% of global GDP. Event 201 is a high-fidelity exercise that will simulate a series of drastic cooperation among industry, national governments, key international institutions, and civil society to avoid the catastrophic consequences that could arise from a large-scale pandemic.

Invited to the Center's tabletop exercise [Caitlin J. Bott Milbert](#) and [Dennis Dayman](#) – Event 201 aimed to educate senior leaders at the highest level of US and international governments and leaders in global industries.

It is also a tool to inform members of the policy and preparedness communities and the general public. This is distinct from many other forms of simulation exercises that test participants' knowledge and skills of a specific organization. Exercises similar to Event 201 are a particularly effective way to help policymakers gain a fuller understanding of the urgent challenges they could face in a dynamic, real-world crisis.

Scenario

Details about the [scenario](#) are available here.

Recommendations

The next severe [pandemic](#) will not only cause great illness and loss of life but could also trigger major cascading economic and societal consequences that could contribute greatly to global impact and suffering. The Event 201 pandemic exercise, conducted on October 18, 2019, clearly demonstrated a number of these important gaps in preparedness as well as some of the elements of the [recommendations](#) that are needed to fill them. The Johns Hopkins Center for Health Security, World Economic Forum, and Bill & Melinda Gates Foundation jointly propose [recommendations](#).

Where/where

Friday, October 18, 2019
8:45 a.m. – 12:45 p.m.
The Pierre Hotel
New York, NY

Audience

An invitation-only audience of nearly 130 people attended.
The exercises, and a livestream of the event was available to everyone. Video coverage is available [here](#)

Exercise team

Eric Toner, MD, is the exercise team lead from the Johns Hopkins Center for Health Security. Crystal Watson, DrPH, MPH and Tara Kirk Sell, PhD, MA are co-leads from the Johns Hopkins Center for Health Security. Ryan Morhard, JD, is the exercise lead from the World Economic Forum, and Jeffrey French is the exercise lead from the Bill & Melinda Gates Foundation.

Exercise team members are Tom Inglesby, MD, Anita Cicero, JD, Randy Larsen, USAF (retired), Caitlin Rivers, PhD, MPH, Matthew Watson, MPH, Jennifer Nuzzo, DrPH, MPH, Marissa Reed-Kenny, MD, Jaclyn Fox, Andrew Jaegers-Abell, MPP, and Julia Cole.

Event 201 was supported by funding from the Open Philanthropy Project.

Players

The following presentation individuals from global business, government, and public health were exercise players tasked with leading the policy response to a fictional outbreak scenario in the Event 201 pandemic tabletop exercise.

- Latoya D. Abbott
- Nafta Burgos
- Brad Connett
- Chris Elias
- Timothy Grant-Evans
- George Fu Gao
- Avril Haines
- Jane Holl
- Matthew J. Harrington
- Martin Knuchel
- Eduardo Martinez
- Stephen C. Redd
- Yeatt Teglt
- Lavan Tieu
- Adrian Thomas

Recommendations

Public-private cooperation for pandemic preparedness and response

[Expand/Get the recommendations](#) (PDF)

A call to action

The next severe pandemic will not only cause great illness and loss of life but could also trigger major cascading economic and societal consequences that could contribute greatly to global impact and suffering. Efforts to prevent such consequences or respond to them as they unfold will require unprecedented levels of collaboration between governments, international organizations, and the private sector. The Event 201 pandemic exercise, conducted on October 18, 2019, clearly demonstrated a preparedness at the national or regional level.[1,2] However, there are major unmet global vulnerabilities and international system challenges posed by pandemics that will require new robust forms of public-private cooperation to address.

The Event 201 pandemic exercise, conducted on October 18, 2019, vividly demonstrated a number of these important gaps in pandemic preparedness as well as some of the elements of the collaboration between the public and private sectors that will be needed to fill them. The Johns Hopkins Center for Health Security, World Economic Forum, and Bill & Melinda Gates Foundation propose that:

1. **Governments, international organizations, and the business should plan now for how essential corporate capabilities will be utilized during a large-scale pandemic.** During a severe pandemic, public sector efforts to control the outbreak are likely to become overwhelmed. Businesses will be called upon to help with response efforts, and to maintain critical services that governments and businesses will be counting on to help control efforts and mitigate impacts, social media, or disinformation systems will be needed to enable governments' emergency response, risk communications, and medical countermeasure distribution efforts during a pandemic. This includes working together to ensure that strategic commodities are available when needed, including surge capacity for personnel. Governments and industry should establish new and strengthened partnerships and business and risk communication with a focus on pandemic response scenarios and start to collaborate. Governments should work now to identify the most critical shared risk and need such as in industry players with the goal of finalizing agreements in advance of the next surge pandemic. The Global Preparedness Monitoring Board would be well positioned to help governments and industry leaders in this effort. Governments and international organizations and businesses should plan for pandemic preparedness and response.
2. **Industry, national governments, and international organizations should work together to enhance international, multi-modality of medical countermeasures (MCMs) to enable swift and equitable distribution during a severe pandemic.** The World Health Organization (WHO) currently has an influenza vaccine stockpile available, with contracts in place with pharmaceutical companies that have agreed to supply vaccine should WHO request them. As the Event 201 pandemic exercise illustrated, the WHO stockpile is insufficient to meet the needs of countries during a severe pandemic and therapeutics to countries in the greatest need during a severe pandemic. This should also include any available experimental vaccine stockpiles for any WHO R&D Blueprint pathogens to deploy in a clinical trial and therapeutics, including monoclonal antibodies, CDR, SAD, and IRNA. Other approaches could involve regular updates of an influenza vaccine stockpile to ensure that it is composed of a vaccine that is a good match for the virus with current medical resources. A robust international stockpile could therefore help ensure that low and middle resource settings receive needed supplies regardless of whether they can afford to purchase countermeasures at the time of a severe pandemic. Industry and governments should work together to identify barriers to timely supply policies to the virtual stockpile. Countries should support the efforts of the WHO through contributions to the stockpile.
3. **Countries, international organizations, and global transportation companies should work together to develop a system for rapid and coordinated travel restrictions.** Travel restrictions can be a useful tool to help contain the initial outbreak because, the closure of countries' borders, businesses, import bans, and the cancellation of airline flights and international shipping. A severe pandemic will likely result in the closure of

Watch on YouTube

Photos

View photos from the Event 201 pandemic tabletop exercise held on October 18, 2019, in New York, NY.

Media

Event 201 Media +

Contact

Exercise inquiries

Subject matter questions about Event 201 should be directed via email to Eric Toner, MD, exercise team lead and senior scholar at the Center.

Media inquiries

Members of the media who have questions about Event 201 should email centerhealthsecurity@jhu.edu.

For all inquiries, please email centerhealthsecurity@jhu.edu.