

LESSONS LEARNED FROM PANDEMIC OUTBREAKS AND PREPAREDNESS STRATEGIES

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Science and community in the HIV response: the next priorities for Tanzania

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Pandemic Outbreaks



What constitutes pandemic outbreaks

- **Pandemic**, outbreaks particularly of infectious disease occur over a wide geographical area and that is of high prevalence, generally affecting a significant proportion of the world's population (more than one country), usually over the course of several months.

PHEIC –Public Health Emergencies of International Concern

- An extraordinary event which is determined (by WHO) to constitute a public health risk to other States through the international spread of disease and to potentially require a coordinated international response

Some of the major pandemics

- COVID-19: Dec 2019, declared as PHEIC in Jan 2020,
 - - Mar 2020 in Tanzania
- Swine Flu, H1N1: 2009
- HIV/AIDS Pandemic: 1981
- Flu Pandemic, Hongkong Flu, H3N2: 1968
- Asian Flu H2N2: 1956
- Spanish Flu, H1N1: 1918/1919

“Efforts to address pandemic preparedness date back two decades. The vulnerability of a globalized world to a fast-moving disease was evident after the 2003 SARS epidemic, which spread across continents in days...

Gaps remain in Country Capacity”



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Pandemic Preparedness Strategies



International Health Regulations (IHR, 2005)

- Strengthening core capacities across sectors to **detect, assess, notify** and **report** events
- Conducting SPAR, JEE, AARs, and **SIMULATIONS**

Pandemic Preparedness Plan

- Preparedness and Response Plans

Risk And Vulnerability Assessments

- Strategic Risk Assessment
- Vulnerability Assessment



Pandemic Preparedness Strategies



Integrated Diseases Surveillance and Response

- Event Based Surveillance EBS, Community Based Surveillance CBS,
- Indicator Based Surveillance IBS

National Action Plan for Health Security

- Multi-Hazard Emergency Preparedness and Response Plan
- Preparedness/Readiness Checklist and Contingency Planning/Plans
- One Health Strategic Plan

Regional Action Plan for Health Security

- PROSE – Promoting Resilience of Systems for Emergencies
- TASS – Transforming African Surveillance Systems
- SURGE – Strengthening and Utilizing Response Group for Emergencies



Lessons Learned



Solidarity

- Recent Pandemics have taught us why we need to act together, more than ever before

Leave no one behind

- When One is not protected, All are not protected

Resilient Health Systems

- Not just a functional health systems, but systems that are dynamic, capacities tested (simulated) and easy to scale up, adaptable

Resilient Population

- Strong, informed, committed, supported, and responsive population



Lessons Learned



One Health

- A healthy environment, healthy animal/live stocks essential to achieving health human population

Reduce attention/Neglect of other disease

- Communicable and non-communicable diseases burden increases with major pandemics

Political Will and Commitment of Leaders

- Appropriately Informed, Willful and Committed Leaders are essentially needed to achieve effective and efficient pandemic preparedness and response

Evolution of Science, Technology and Innovations

- The production of COVID-19 Vaccines considered as one of the wonders of the century; place of science, research and innovations;
- The dramatic use of technology and the prospect of a new normal



What We Need To Do Differently



- **Strengthen the Health Systems for Health Security, including Strengthening Assessment of Health Systems and Community Resilience for pandemics**

- - All of Society Approach - All of Hazard Approach
- All of Government Approach

- **Strengthen Cross-Cluster Integration and Mainstreaming**

- Inter-cluster Programming and Collaborations in Pandemic Preparedness

- **Conduct risk assessments, update and/or develop contingency plans, and TEST all plans**

- **Strengthen surveillance, particularly EBS**

- **Strengthen Global Solidarity and Transparency, Building a Stronger Solidarity around Data**

- **Strengthen and Improve Implementation of International Health Regulations (IHR 2005)**

- **Strengthen and utilize Science and Research**

With COVID-19 and threats from other pandemic outbreaks, we all need to act differently, timely and Invest in preparedness



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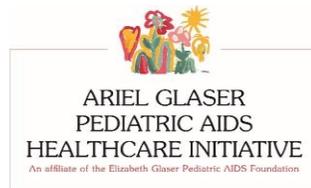
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