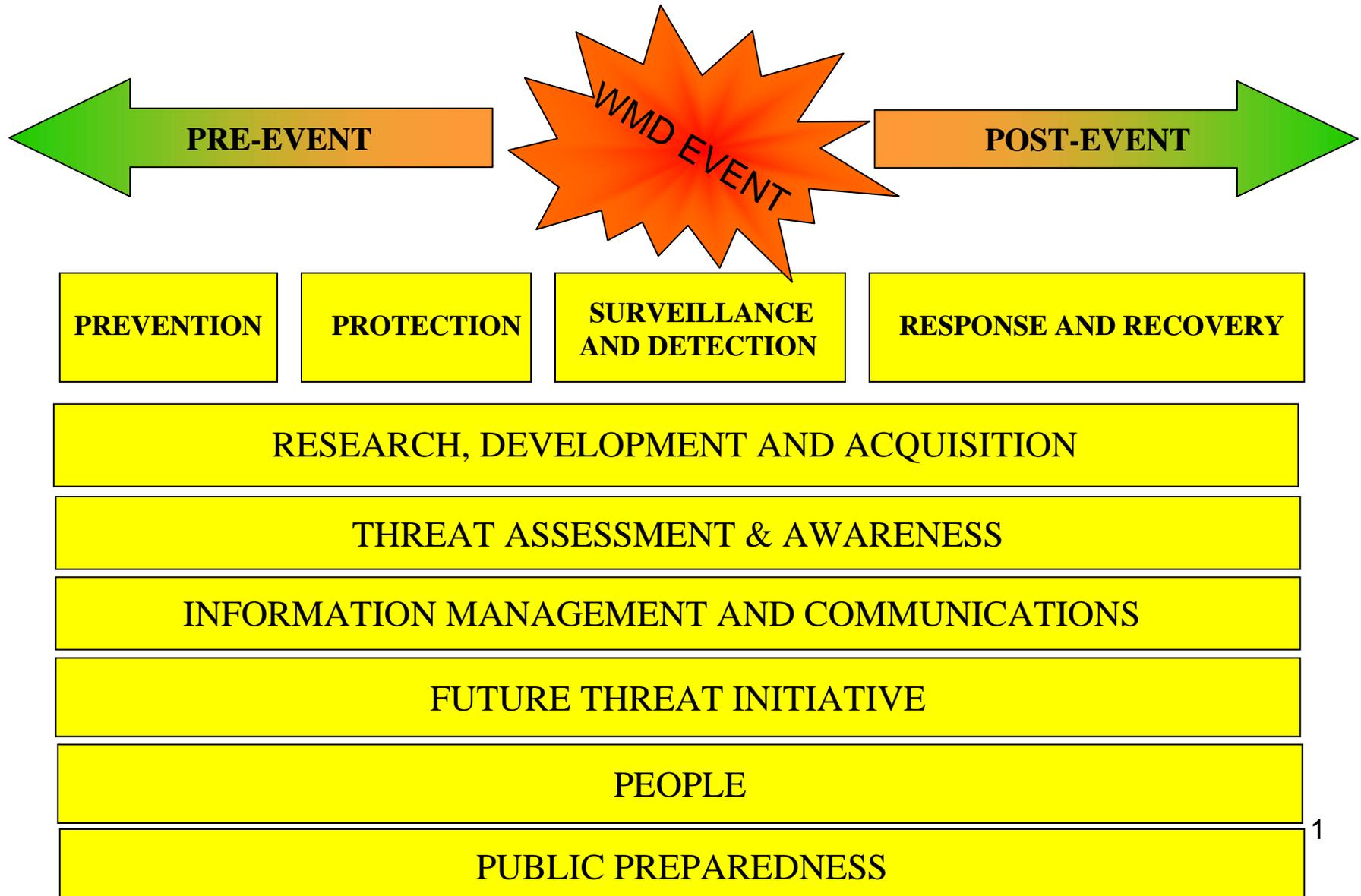
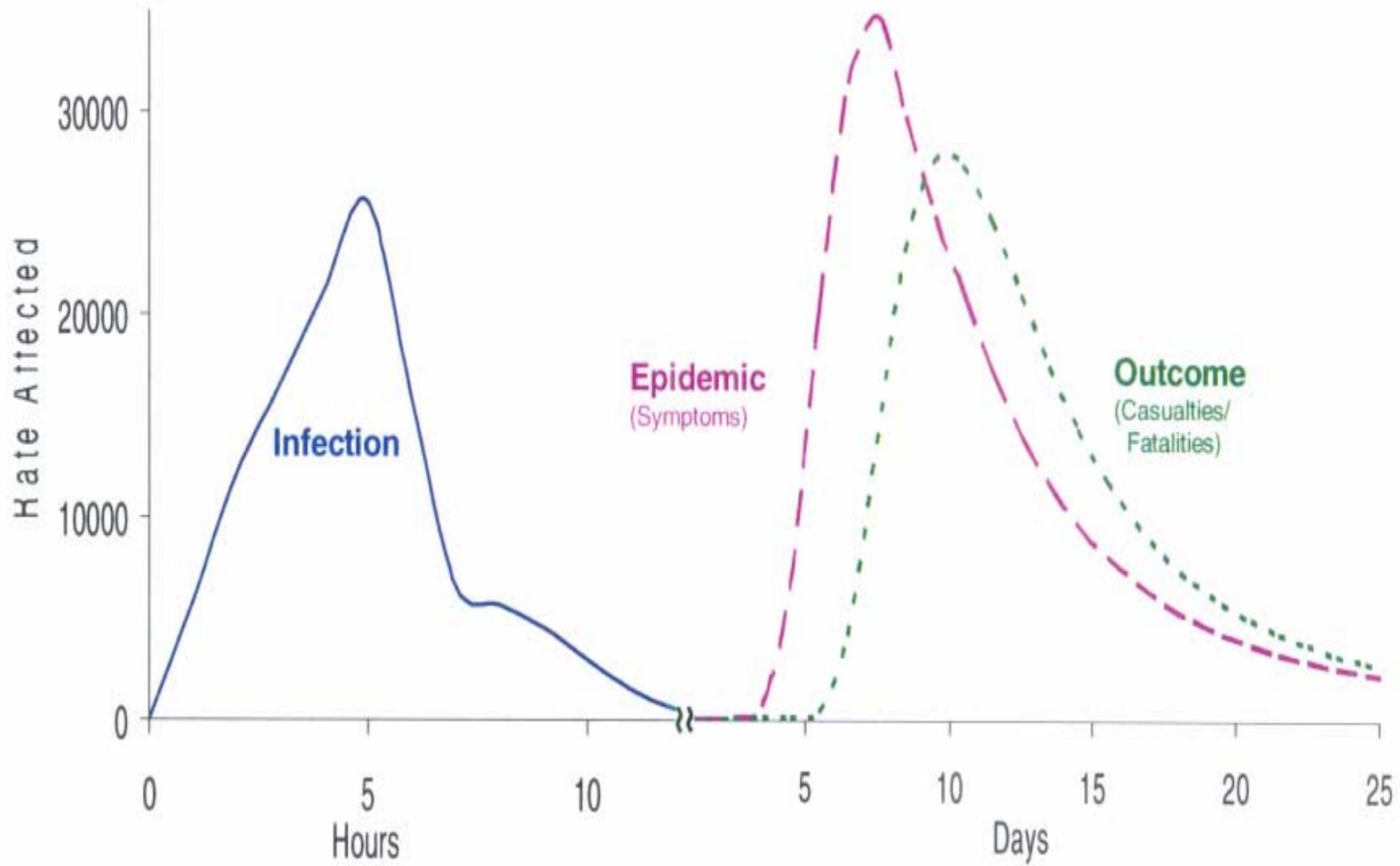


# Comprehensive WMD Preparedness Strategy

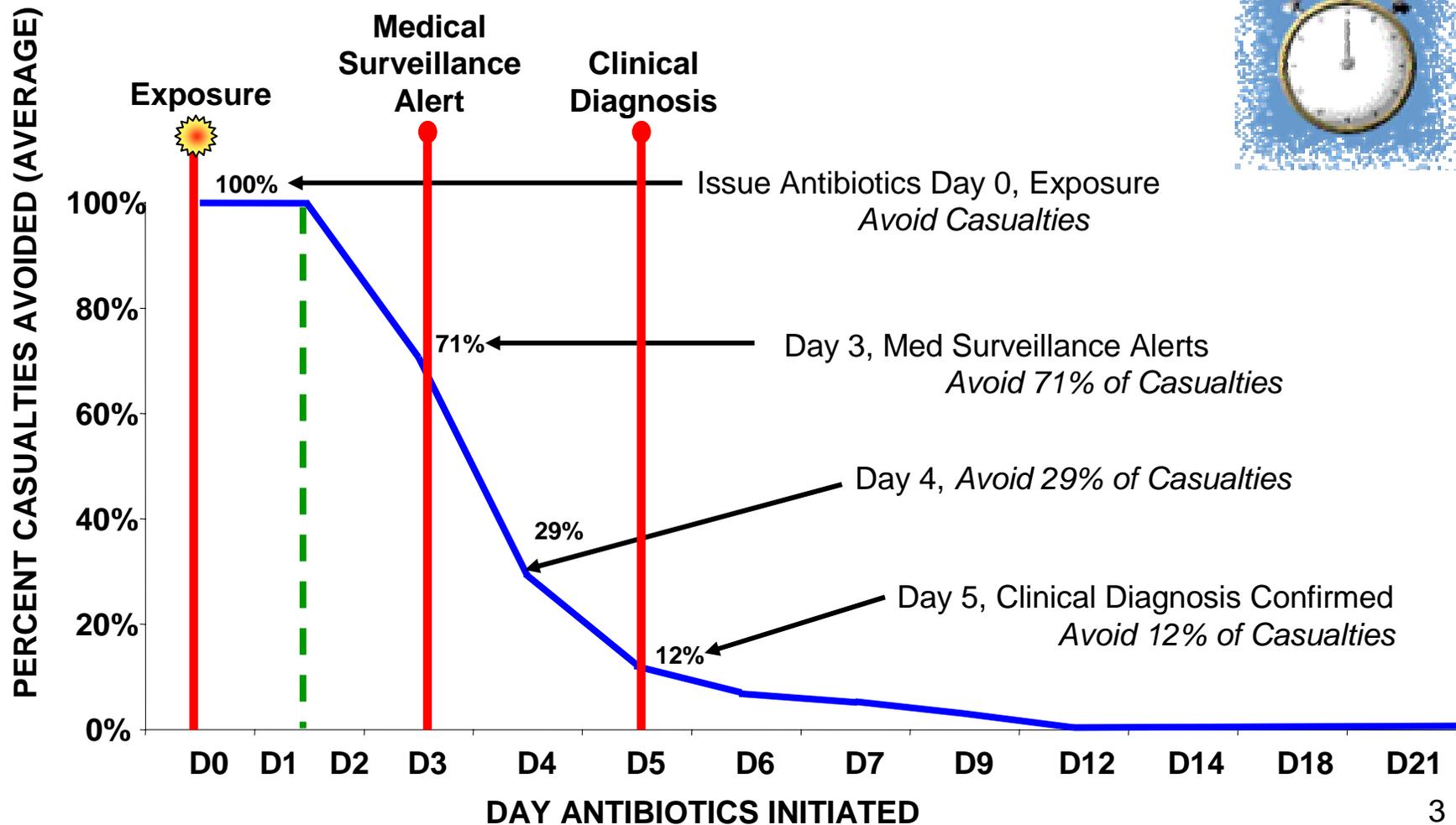


# Epidemic Curve Modeled after 5 Kg Release of Anthrax in Major Metropolitan Area



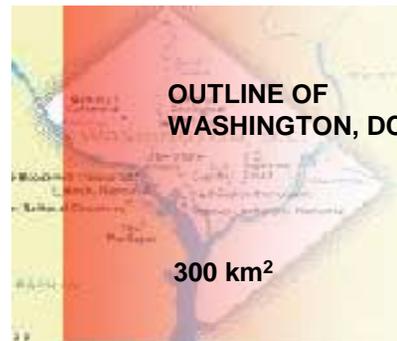
# Early Detection is the Key

## Trigger / Decision Points



# Large Scale Biological Attack

**With ideal conditions (a clear, calm night) a single aircraft, using an efficient aerosol generator to dispense 100 kg of anthrax spores, could adequately cover a 300 km<sup>2</sup> area and inflict between 1,000,000 and 3,000,000 deaths.**



 1,000,000 – 3,000,000

**Source:** US Congress Office of Technology Assessment, *Proliferation of Weapons of Mass Destruction: Assessing the Risks*, August 1993, pg. 54.

# Presidential Biodefense Initiatives

## **BioWatch**

Environmental Surveillance in Cities

## **Biosurveillance**

Enhancement of surveillance capabilities in human, plant and animal sectors and in the environment

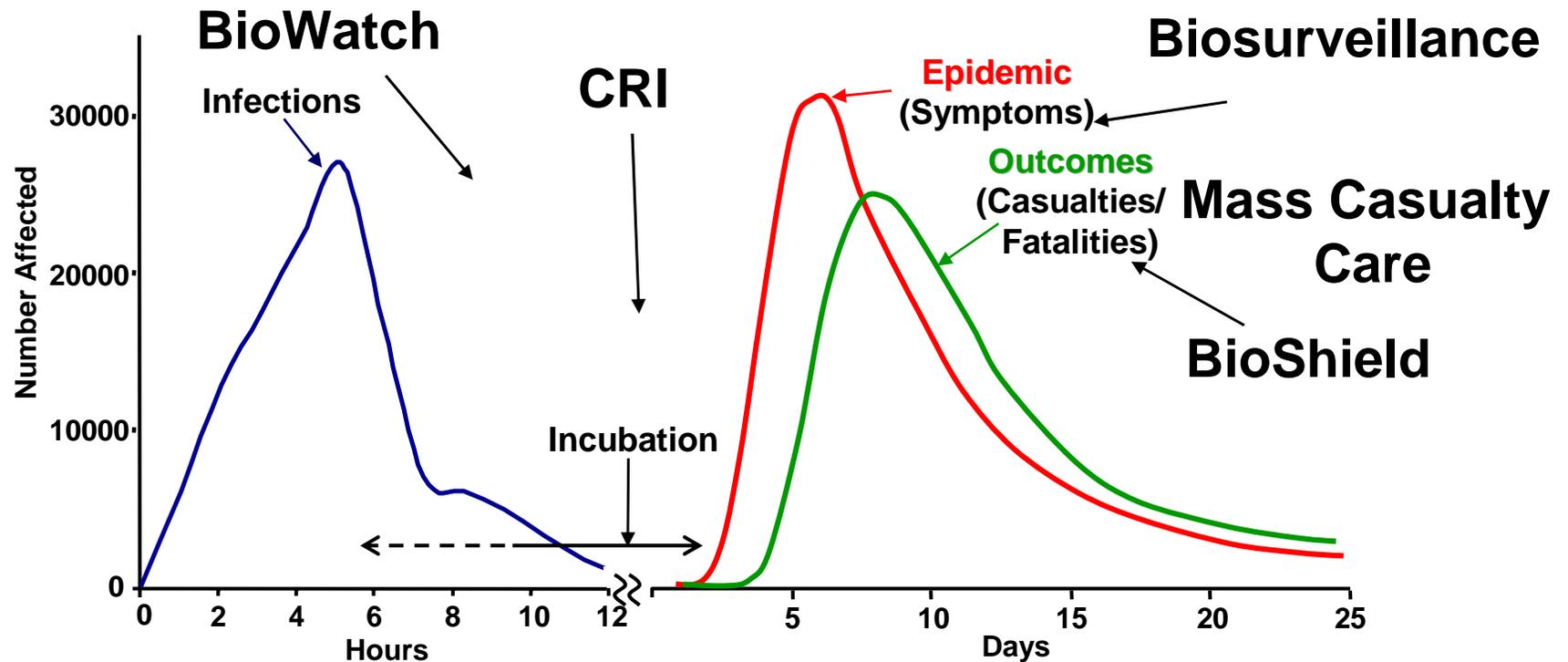
## **BioShield**

Medical Countermeasures

## **Cities Readiness Initiative (CRI)**

Rapid deployment of countermeasures to communities

# Defending communities from biological attacks requires timely detection and warning



Intel	Facilities Transport	Wide area monitoring	Restoration Portable detection	Early diagnostics
Intel/Law PHO	Bldg. owner	Mayor	First responders Hazmat lead Forensics	Public Health Org.