



◆ UNCOMPROMISING INTEGRITY ◆ RESPECT FOR ALL ◆ COMMITTED TO EXCELLENCE ◆ ALWAYS READY ◆

JPEO-CBRND 

A NEW APPROACH TO MEDICAL COUNTERMEASURES

July 26, 2023

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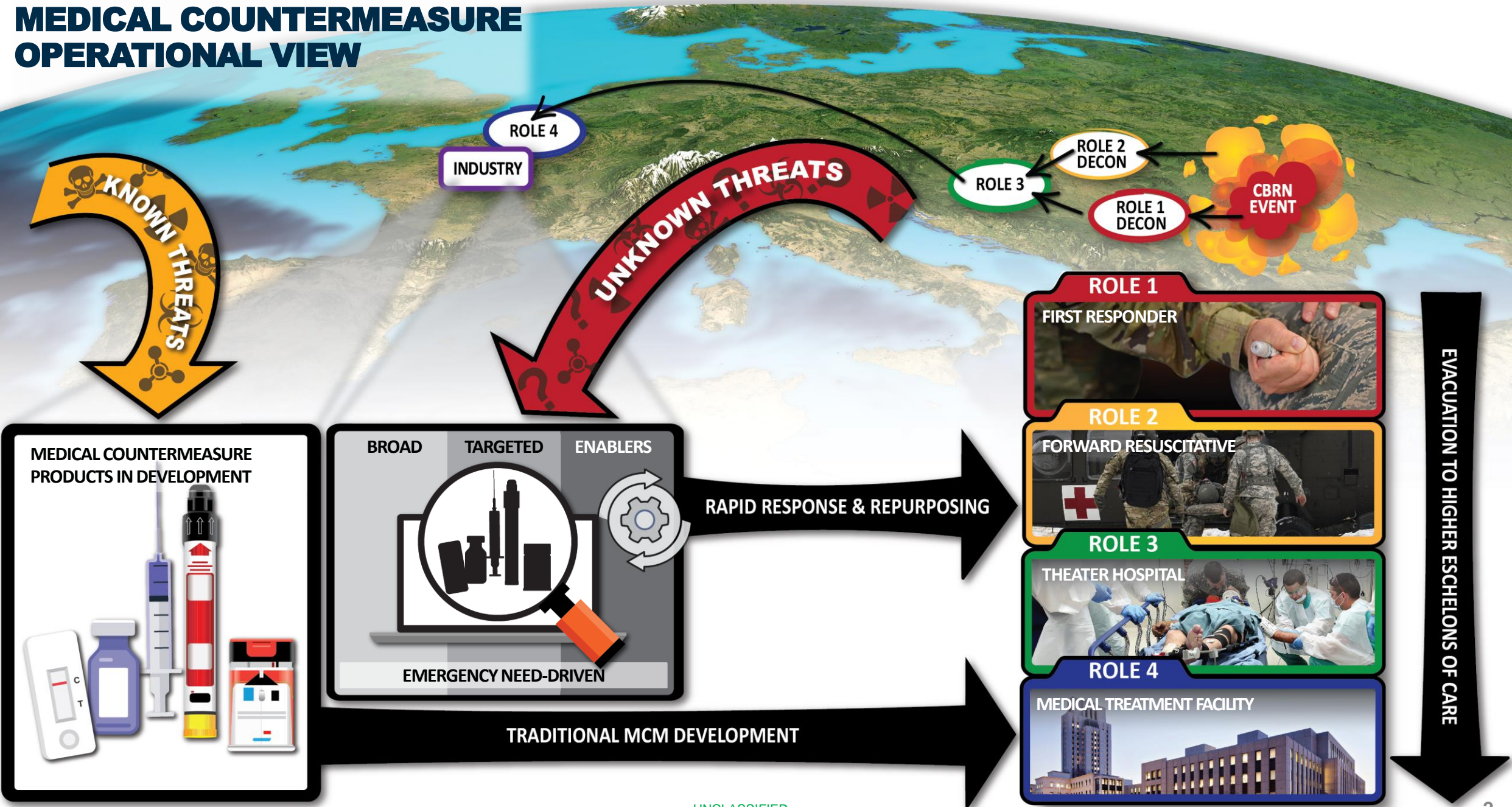
Joint Project Manager for Chemical, Biological, Radiological, and Nuclear Medical
(JPM CBRN Medical)

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PROGRAMS EXECUTED ON BEHALF OF THE CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM

UNCLASSIFIED

MEDICAL COUNTERMEASURE OPERATIONAL VIEW



INTEGRATED LAYERED DEFENSE THROUGH UPM¹ FRAMEWORK

HONED RAPID RESPONSE CAPABILITIES



Broad-spectrum MCMs

+

Targeted MCMs



Diagnostics
Differential diagnostics



Prophylactics
Vaccines, antibodies, sensors, wearables



Therapeutics
Small molecules, antibodies



Clinical Practice Guideline (CPG)-informed development



Best-in-class op model & workforce



Robust investments



Strong partnerships



Integrated data systems

1. Understand, protect, mitigate

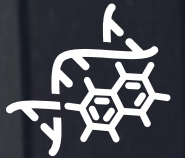
OPTIMIZED OPERATIONAL ENABLERS

JPM CBRN Medical approach

Platform and advanced technologies



Prototype MCMs



Repurposed Medical Countermeasures (MCMs)



Flexible contracts and fit-for-purpose agreements



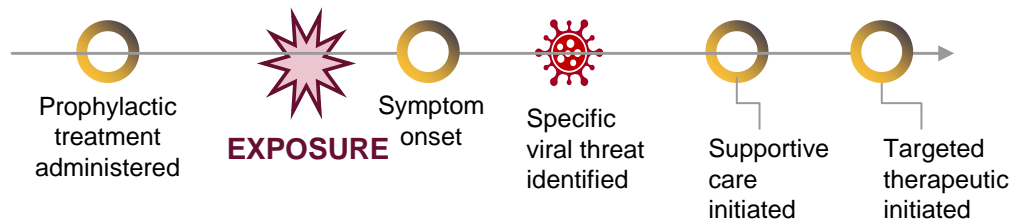


MCM PORTFOLIO USES CPG-INFORMED DEVELOPMENT TO PROVIDE INTEGRATED LAYERED DEFENSE AND RAPIDLY ADDRESS ANY THREAT AFFECTING WARFIGHTERS

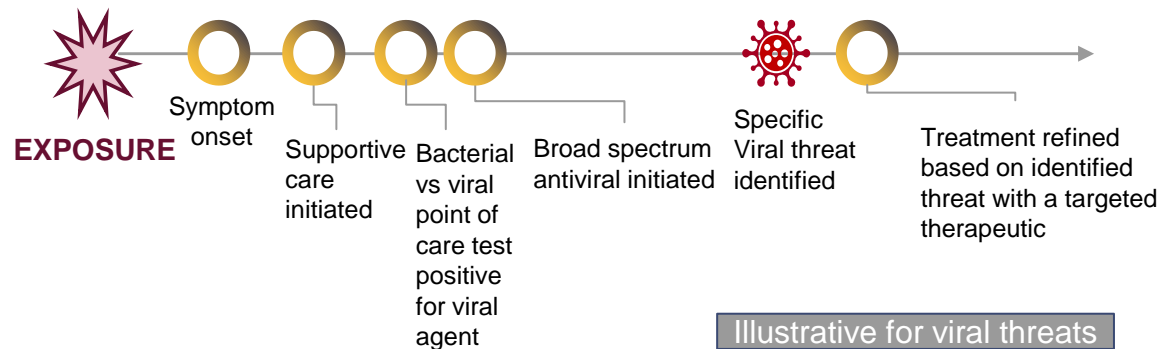
Inform specific CPGs addressing threats along treatment pathway...

... with MCM portfolio providing integrated layered defense

Known threats treatment pathway



Unknown threats treatment pathway



Understand (Diagnostics)



Differential Diagnostics

Protect (Prophylactics)



Antibody Pre-exposure treatment



Vaccine Post-exposure prophylaxis



Vaccine Pre-exposure protection



Sensors / wearables

Mitigate (Therapeutics)



Small Molecule Post-exposure treatment



Antibody Post-exposure treatment



Broad spectrum antivirals

Data from MCM development programs directly inform CPGs (i.e., data and process as a 'product')



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