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NON-COMPETITIVE DIVISION

The Preparedness Cycle in Action

Threats to the Nation's public health can come from a variety of hazards including novel infectious disease, natural disasters, and human-generated threats. At the U.S. Centers for Disease Control and Prevention (CDC) experts come together by leveraging emergency management principles to support the scientific work of the public health professionals. This poster will discuss how CDC implemented the Preparedness Cycle to develop a plan for responding to a case of paralytic poliomyelitis. In November 2019, CDC planners and poliovirus subject matter experts drafted a polio response plan and conducted a tabletop exercise with state and local emergency managers, federal and local public health staff, and private industry partners to understand if the plan could be followed in a public health scenario.

On July 18, 2022, poliovirus type 2 was detected in specimens from of an individual from New York. Still in draft, the plan was put into action and referenced for response. CDC's Incident Management System (IMS) was activated and subject matter experts at CDC and in NY worked together to increase case surveillance and implement mitigation efforts. CDC conducted after-action reviews to evaluate response processes and to

identify adjustments needed in the draft response plan. Following the reviews, the Preparedness Cycle was re-initiated, resulting in a National Domestic Polio Response Plan that incorporated the efforts validated through exercise and the real-world response.

Presentation Theme: Describe the importance of inter-professional collaboration in public health + healthcare + emergency management in all phases of the disaster cycle.

Collaborators, Advisor(s) and Department(s) that assisted with this research: Tina Vu