**Scenario**

**First scenario:**

After receiving additional funding for Wastewater Surveillance, a program at U of M [or other relevant location] has added the [Name] Wastewater Treatment Plant in [city/village/township] as a new testing site to expand their wastewater testing project. This location is now capable of screening for the viruses that cause COVID, norovirus, adenovirus, Hepatitis A, and rotavirus. Recently, following the confirmation of a case of paralytic polio in New York, multiple New York counties identified the virus that causes polio through wastewater testing. Out of an abundance of precaution and to increase surveillance within our local communities, U of M [or other relevant location] added sequencing for polio to the wastewater plants included in their project.

Months after initiating the sequencing panel to screen for polio, a sample collected from the [Name] plant shows a positive result for the virus that causes polio. This is the first positive finding of polio in wastewater in Michigan. Outreach to local providers, EDs and review of MDSS does not provide any insight into reported cases of individuals experiencing paralytic symptoms or acute flaccid myelitis.

[*If time allows, you may want to work through the second scenario after completing the first, work through this next section. If not, use this next section for a separate training*]

**Second Scenario:**

Around 3am, the [appropriate job role – CD nurse, clerk, Epi, etc.] receives a call from Central Dispatch [or other after-hours notification system/process] regarding a report from [hospital name] about a patient they admitted after their differential diagnosis indicated polio-like symptoms. The patient is experiencing fever, stiff neck, muscular weakness, headache, and flaccid myelitis. Further investigation finds that the patient and their spouse are both unvaccinated for polio and a travel history leads to information about a recent trip to the area of New York where the virus that causes polio has recently been found circulating in wastewater.

**Intended Audience**

[Change titles as appropriate] Health Officer, Medical Director, PPHS Director, Nursing Supervisor, EPC, Health Promotions Coordinator, CD Nurse, Epidemiology

**Objectives and Tasks**

1. Ensure participating staff understand the role they might fill during this type of response as well as the role/responsibilities of [agency name] as we fit into the “bigger picture” of the response.
2. Identify if there is a need for [enter name of your public health EOC/command center: ex., PHECC, EOC, etc.] activation. Determine thresholds that would warrant [enter name of your public health EOC/command center: ex., PHECC, EOC, etc.] activation (partial or full) and identify possible triggers for changes in activation (ex., scaling up or down).
3. Understand the process for activating the [enter name of your public health EOC/command center: ex., PHECC, EOC, etc.] and the steps taken for notification, alerting key partners, initial meeting, etc.
4. Identify pre-event incident action planning items (i.e., things we need to accomplish or develop now prior to this type of incident occurring – materials for the [enter name of your public health EOC/command center: ex., PHECC, EOC, etc.] activation process, templates, etc.).
5. Identify potential communication and/or print/digital materials needs.
6. Identify who is at highest risk for this type of incident. What additional needs should we consider for our Access and Functional Needs population?

**Possible Reference Materials**

* Emergency Response Activation Checklist
* [MDHHS A-Z Page](https://www.michigan.gov/mdhhs/keep-mi-healthy/communicablediseases/recentupdates/diseaselisting) – Polio, Pg. 20.
* [CDC Polio Page](https://www.cdc.gov/polio/what-is-polio/index.htm)
* [MDHHS – Polio Page](https://www.michigan.gov/mdhhs/adult-child-serv/childrenfamilies/immunization/polio/polio-what-to-know)
* The “Pink Book” – [Polio](https://www.cdc.gov/vaccines/pubs/pinkbook/polio.html)
* "[*Control of Communicable Diseases Manual*](https://www.apha.org/Publications/Published-Books/CCDM)"- 21st edition
* [Agency] CD Manual – [Include internal link to your CD plan]