Figure 4: Detect and Respond to Priority Diseases Matrix

1.0 Identify

- Note: Laboratory steps apply to each level with support to laboratory service.

Community

- Use simple case definitions to identify priority diseases or conditions at the community level.
- Know which health events warrant reporting to the regional health office and when to report them.
- Identify local leaders in observing and interpreting disease patterns and trends in the community.

Health Facility

- Record case information for immediate notification.
- Report data gathered from patient and outpatient service and from community and private sector sources.
- Report summaries to regional office.
- Report laboratory results from screening and sentinel surveillance activities.
- Use simple case definitions to identify priority diseases and conditions.
- Establish steps for surveillance of sentinel cases in clinic registry and patient chart.
- Use local laboratory capacity to diagnose and report cases.
- Standardize processes to process laboratory specimens.
- Collect and transport clinical specimens for laboratory evaluation.

District, State, Province

- Establish steps for surveillance of sentinel cases in the district.
- Review records of suspected outbreaks.
- Collect and transport clinical specimens for laboratory evaluation.
- Use health facility linkages and use of standard case definitions for reporting priority diseases and conditions.
- Make sure health facility staff know where and how to report priority diseases.
- Report promptly, immediately reportable diseases.
- Report laboratory results to national and local officials.

National

- Establish steps for surveillance of sentinel cases in the country.
- Conduct special surveys to gather information about priority cases, outbreaks or adverse events.
- Review and update surveillance needs and implement training for and support to each level.
- Advocate for adequate resources to support the identification and reporting of cases.
- Set policies and procedures for surveillance of priority diseases and conditions at each level.
- Set policies and procedures for reporting priority diseases and conditions at each level.
- Support private sector laboratories in the reporting and communication of results.
- Support reporting activities throughout the system.

National WHO Representative, WHO Regional Office

- Support policy setting at national and regional level for detecting priority diseases.
- Mobilize resources for training, logistics and supplies.
- Develop and disseminate standard guidelines for surveillance "best practices".
- Inform countries about programs that may cross borders or have impact on regional areas.
- Review reports of outbreaks and international notifications.

DETECT AND RESPOND TO PRIORITY DISEASES

2.0 Report

- Note: These steps assume immediate surveillance capacity.

3.0 Analyze and Interpret

- Include local leaders in observing and interpreting disease patterns and trends in the community.
- Support case investigation activities by locating the community of the patient, case-finding, collecting specimens and other activities.
- Support risk factors for priority disease or condition.
- Monitor timeliness and completeness for reporting priority diseases and conditions.
- Support case investigation activities.
- Support reporting activities.
- Monitor quality of laboratory results.
- Monitor routine prevention activities and modify as needed.

4.0 Investigate

- Support case investigation activities by locating the community of the patient, case-finding, collecting specimens and other activities.
- Support investigation activities that prompt the notification of a case or outbreak.
- Support investigation activities on the basis of evaluation.
- Support reports from countries to measure their systems development and implementation.
- Support reporting activities.
- Support routine prevention activities.
- Provide feedback for collaboration with national and regional levels.

5.0 Respond

- Support case investigation activities.
- Alert national authorities in selecting response activities.
- Implement in response activities.
- Mobilize community resources.
- Ensure that community resources are immediately available.
- Establish steps for surveillance of sentinel cases in the community.
- Support risk factors for priority disease or condition.
- Provide feedback to community members about reported cases and prevention activities.

6.0 Provide Feedback

- Support risk factors for priority disease or condition.
- Provide feedback to community members about reported cases and prevention activities.

7.0 Evaluate and Improve the System

- Support routine prevention activities.
- Provide feedback for collaboration with national and regional levels.
- Support community resources in selecting response activities.
- Support investigation activities.
- Provide feedback for collaboration with national and regional levels.
- Support community resources.
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