DETECT AND RESPOND TO PRIORITY DISEASES 1.0 Identify 2.0 Report 3.0 Analyze and Interpret 4.0 Investigate 5.0 Respond 6.0 Provide 7.0 Evaluate and Feedback Improve the System Note: Laboratory steps apply to each level with access to laboratory services Note: These steps assume appropriate laboratory capacity Know which health events to report to the Involve local leaders in observing and Assist health authorities in selecting response Use simple case definitions to identify Support case investigation activities Give feedback to community members about Decide if public health action took place as priority diseases or conditions in the community health facility and when to report them interpreting disease patterns and trends in the community such as informing the community of the problem, case finding, collecting of reported cases and prevention activities Participate in response activities Community Evaluate the community response to the public specimens and other activities Mobilize community resources appropriate for response activity Carry out community health education Monitor timeliness and completeness for reporting Use standard case definitions to identify priority Prepare and periodically update graphs, tables and charts to describe time, person · Report case-based information for immediately Take part in investigation of reported Treat cases and contacts according to Give feedback to community members about notifiable disease routine and case-based information to the standard case management guidelines outcome of reported cases and prevention and place for reported diseases and condi--inpatient and outpatient services Report data gathered from inpatient and outpatient services and from community and specimens for laboratory testing Evaluate routine detection and reporting of priority -community reports Carry out public health response with the private sector sources Identify and report immediately any disease diseases and conditions Use investigation and laboratory results -private sector reports or condition that: Evaluate preparedness for and timeliness of response activities · Report summary data to next level to confirm the outbreak Mobilize community involvement in the Record information about suspected cases in - exceeds an action threshold **Health Facility** clinic register and patient charts - occurs in locations where it was previously • Evaluate appropriateness of case management Report laboratory results from screening sen-Process and record laboratory results Advocate for resources tinel populations at target sites (for example, STI clinic, MCH service, blood bank) Take action to improve reporting practices Provide the results to clinical staff and Use local laboratory capacity to diagnose - occurs more often in a population aroup Take action to improve readiness for timely response to outbreaks than previously Use standard protocols to process laboratory - presents unusual trends or patterns Maintain contact with community to maintain • Interpret results. Discuss possible public health preparedness and prevention activities Collect and transport clinical specimens for laboratory evaluation Monitor the interval between receipt of speci-· Observe changes in trends during routine mens and sending of results analysis of laboratory results Monitor quality of laboratory results • Maintain activities for collecting routine surveil- Support health facilities in knowledge and use • Define denominators and obtain data for Arrange and lead investigation of Select and implement appropriate public Alert nearby areas and districts about out Monitor and evaluate program targets and of standard case definitions for reporting priority ensuring accurate denominators reported cases or outbreaks health response (for example, depending on breaks indicators for measuring quality of the surveilthe disease, plan to strengthen case manage Assist health facility in safe collection, Aggregate data from health facility reports Give health facilities regular, periodic feedment, conduct immunization activity, improve packaging, storage and transport of laboratory specimens for confirmatory Make sure health facility staff know when and back about routine control and prevention Monitor and evaluate timeliness and comcontrol and prevention activities) Analyze case-based data by person, place how to report priority diseases and conditions pleteness of reporting from health facilities in District, State, activities · Collect and transport clinical specimens for Convene epidemic response committee and the district Promptly report immediately notifiable diseases **Province** Calculate rates and thresholds • Monitor and evaluate timeliness of response to to the next level Receive and interpret laboratory results Conduct training for emergency activities Compare current data with previous periods Decide if the reported outbreak is Prepare and periodically update graphs, Plan timely community information and educa Monitor routine prevention activities and modify Report laboratory results to national and tables and charts to describe time, person and tion activities them as needed local officials Report the confirmed outbreak to the place for reported diseases and conditions Alert nearby areas and districts about the next level • Make conclusions about trends, thresholds, and confirmed outbreak analysis results Distribute specimen collection kits for • Describe risk factors for priority disease or special surveillance activities Establish and disseminate policies and proce- Establish steps for surveillance of sentinel Set policies and procedures for reporting priori Set policies and procedures for analyzing and Alert laboratory and support its Set policies and procedures for responding to Give feedback about response activities to dures for monitoring surveillance and outbreak populations ty diseases and conditions at each leve media, logistics, transport of specimens conditions Conduct special surveys to gather information Include private sector laboratories in the · Aggregate data received from district reports Give districts regular, periodic feedback about routine control and prevention activities Establish policies and practices for supervising about reported cases, outbreaks or unusual reporting network Support activities for investigating Support epidemic response and preparedness · Make sure each level uses appropriate reported outbreaks: supplies, logistics, activities Support reporting activities throughout the Develop and periodically distribute regional equipment, budget Evaluate detection and reporting activities, and Define and update surveillance needs and Report and disseminate results of outbreak bulletin for epidemiology and public health Interpret trends from national perspective make improvements as needed implement training for and other support to each level Collaborate with international authorities response in bulletins, media, press releases and **National** Monitor and evaluate program targets and as needed during investigations briefings Adapt or define action thresholds indicators for measuring quality of the surveil-Advocate for adequate resources to support the Notify regional, international networks • Provide training resources for analyzing and identification and reporting of cases about confirmed outbreak interpretina data - Monitor and evaluate timeliness and complete ness of reporting from intermediate levels • Analyze data for time, person and place Set policies and procedures with national Process specimens from investigation and Monitor and evaluate timeliness of national send timely results as required to each · Analyze map and stratify by district and other support for outbreak response factors Use national reference laboratory for Monitor and evaluate effectiveness of districtmaintaining quality control and standards · Make conclusions based on analysis results Request additional specimens as needed • Take part in epidemic response team • Provide reports and share data with national Monitor routine prevention activities and modify as Monitor quality assurance for laboratories at lower • Define public health analysis skills appropriate to each level of personnel in the system Support policy setting at national and regional Receive reports of outbreaks and international Establish and disseminate standard guidelines Support response activities (technical experts Provide feedback for collaboration with national • Use reports from countries to measure their systems level for detecting priority diseases notifiable disease: for analysis of data for each priority disease case investigation and laboratory quidelines) and regional levels and advocate for improvement confirmation **National WHO** Mobilize resources for training, logistics and Report to and inform international authorities Inform countries about problems that may cross Mobilize resources for improving laborate borders or have impact on regional leve Representative, ry capacity and skills Develop and distribute standard guidelines for Calculate response indicators and report status Report analysis results in regional and interna- Mobilize resources for investigation and tional bulletins for disease trends and patterns surveillance "best practices **Regional Office** confirmation as required, based or Develop and distribute regional bulletin for Inform countries about problems that may cross · Assist national level with epidemiological response national level need and request borders or have impact on regional areas epidemiology and public health and development of public health action Provide laboratory training and equipmen Establish auidelines for preparedness and outbreak investigations Participate in investigations as requested