



# IDSR CORE FUNCTIONS AND ACTIVITIES BY HEALTH SYSTEM LEVEL



	Identify	Report	Analyze and Interpret	Investigate and Confirm	Respond	Communicate (Feedback)	Evaluate	PREPARE
<b>Community</b>	<ul style="list-style-type: none"> <li>Use simple case definitions to identify priority diseases, events, conditions or other hazards in the community</li> </ul>	<ul style="list-style-type: none"> <li>Report essential information on priority diseases, events, conditions, or hazards to health facility and appropriate authorities</li> </ul>	<ul style="list-style-type: none"> <li>Involve local leaders in observing, describing and interpreting disease patterns, events and trends in the community</li> <li>Undertake verbal autopsies on causes of deaths</li> </ul>	<ul style="list-style-type: none"> <li>Support event investigation activities</li> </ul>	<ul style="list-style-type: none"> <li>Assist local authorities in selecting response activities</li> <li>Ensure community seeks care immediately in case of emergency and danger signs of disease, events and conditions</li> <li>Participate in response activities including home based care</li> <li>Mobilize resources appropriate for the activity</li> <li>Carry out community health education for behavior change</li> </ul>	<ul style="list-style-type: none"> <li>Give feedback to community members about reported cases, events and prevention activities</li> </ul>	<ul style="list-style-type: none"> <li>Verify if public health interventions took place as planned</li> <li>Verify the community response to the public health action</li> </ul>	<ul style="list-style-type: none"> <li>Participate in disaster or emergency preparedness and management committees</li> <li>Participate in risk mapping of potential hazards</li> <li>Conduct community based surveillance</li> <li>Manage eventual contingency emergency stock</li> <li>Participate in training including simulation exercise</li> </ul>
<b>Health Facility</b>	<ul style="list-style-type: none"> <li>Use standard case definitions to detect, confirm and record priority diseases or conditions</li> <li>Collect and transport specimens for laboratory confirmation</li> <li>Use local laboratory capacity to confirm cases or to initiate confirmation of cases if possible</li> </ul>	<ul style="list-style-type: none"> <li>Report case-based information for immediately notifiable diseases</li> <li>Report summary data to next level</li> <li>Report laboratory results from screening of sentinel populations</li> <li>Report laboratory results to next level</li> </ul>	<ul style="list-style-type: none"> <li>Prepare and periodically update graphs, tables, and charts to describe time, person and place for reported diseases and conditions</li> <li>From the analysis, report immediately any disease or condition that:                             <ol style="list-style-type: none"> <li>exceeds an action threshold</li> <li>occurs in locations where it was previously absent</li> <li>presents unusual trends or patterns.</li> </ol> </li> <li>Interpret results. Initiate possible public health actions with local authorities</li> </ul>	<ul style="list-style-type: none"> <li>Take part in investigation of reported outbreaks</li> <li>Collect, package, store and transport specimens for laboratory confirmation</li> </ul>	<ul style="list-style-type: none"> <li>Manage cases and contacts according to standard case management guidelines</li> <li>Take relevant additional control measures</li> </ul>	<ul style="list-style-type: none"> <li>Communicate with community members about outcome of reported cases and prevention activities</li> </ul>	<ul style="list-style-type: none"> <li>Assess community participation</li> <li>Conduct self assessment on the surveillance and response activities</li> <li>Monitor and evaluate programme targets and indicators for measuring quality of the surveillance system</li> <li>Monitor and evaluate programme timeliness and completeness of reporting from health facilities in the district</li> <li>Monitor and evaluate timeliness of response to outbreaks</li> <li>Monitor and evaluate prevention activities and modify them as needed</li> </ul>	<ul style="list-style-type: none"> <li>Participate in disaster or emergency preparedness and management committees</li> <li>Participate in Rapid Response training</li> <li>Conduct risk mapping of potential hazards</li> <li>Conduct training of community</li> <li>Participate in simulation exercises</li> </ul>
<b>District, State, Province</b>	<ul style="list-style-type: none"> <li>Collect surveillance data from reporting sites including designated points of entry on time and review the quality</li> <li>Ensure reliable supply of data collection and reporting tools are available at reporting sites</li> <li>Collect and transport specimens for laboratory confirmation</li> <li>Use local laboratory capacity to confirm cases if possible</li> </ul>	<ul style="list-style-type: none"> <li>Make sure health facilities know and use standard case definitions for reporting priority diseases and conditions</li> <li>Make sure health facility staff know when and how to report priority diseases and conditions.</li> <li>Report data on time to the next level</li> <li>Report laboratory results to next level</li> <li>Periodically conduct risk assessment for priority diseases, events, conditions or hazards</li> </ul>	<ul style="list-style-type: none"> <li>Define denominators and ensure their accuracy</li> <li>Aggregate data from health facility reports</li> <li>Analyze data by time, place and person</li> <li>Periodically update graphs, tables, and charts to describe reported diseases, events and conditions</li> <li>Calculate rates and thresholds</li> <li>Compare current data with previous periods</li> <li>Make conclusions about trends, thresholds and analysis results</li> <li>Describe risk factors for priority diseases or conditions</li> </ul>	<ul style="list-style-type: none"> <li>Arrange and lead investigation of reported diseases or outbreaks</li> <li>Assist health facility in safe collection, packaging, storage and transport of laboratory specimens for confirmatory testing</li> <li>Receive and interpret laboratory results</li> <li>Decide if the reported outbreak is confirmed</li> <li>Report the confirmed outbreak to the next level</li> <li>Distribute specimen collection kits for special surveillance activities</li> </ul>	<ul style="list-style-type: none"> <li>Select and implement appropriate public health response (for example, depending on the disease, plan to strengthen case management, conduct immunization activity, improve control and prevention activities)</li> <li>Convene epidemic response committee and plan response</li> <li>Conduct training for emergency activities</li> <li>Plan timely community information and education activities</li> <li>Alert nearby areas and districts about the confirmed outbreak</li> </ul>	<ul style="list-style-type: none"> <li>Alert nearby areas and districts about outbreaks</li> <li>Give health facilities regular, periodic feedback about routine control and prevention activities</li> <li>Give feedback on surveillance and data quality findings</li> </ul>	<ul style="list-style-type: none"> <li>Monitor and evaluate programme targets and indicators for measuring quality of the surveillance system</li> <li>Conduct regular supervisory visits</li> </ul>	<ul style="list-style-type: none"> <li>Participate in disaster or emergency preparedness and management committees for staff</li> <li>Conduct training and simulation exercises for staff</li> <li>Conduct risk mapping of potential hazards</li> <li>Support and conduct health facility-based surveillance</li> <li>Develop and manage contingency plans</li> <li>Organize and support Rapid Response Team</li> <li>Document response activities</li> </ul>
<b>National</b>	<ul style="list-style-type: none"> <li>Define, update and ensure compliance with national policy and guidelines</li> <li>Set policies and procedures for the national laboratory networks including quality assurance systems</li> <li>Use national laboratories for confirmatory and specialized testing if necessary</li> <li>Collect and transport specimens for additional analysis at WHO Collaborating Centres as necessary</li> </ul>	<ul style="list-style-type: none"> <li>Report the immediately notifiable diseases and events to the appropriate authorities on time</li> <li>Report other priority diseases and events on time</li> <li>Include all relevant laboratories in the reporting network</li> <li>Use IHR Decision Instrument (Annex 2) to determine risks for priority diseases, events, conditions or hazards</li> <li>Inform WHO as indicated by IHR (2005)</li> </ul>	<ul style="list-style-type: none"> <li>Set policies and procedures for analyzing and interpreting data</li> <li>Analyze and interpret data from a national perspective</li> <li>Regularly convene a meeting of the technical coordinating committee to review the analyzed and interpreted data before wider dissemination</li> <li>Carry out special analyse to forecast magnitude and trends of priority disease events</li> </ul>	<ul style="list-style-type: none"> <li>Ensure guidelines and standard operating procedures for outbreak investigations are available at all sites</li> <li>Coordinate and collaborate with international authorities as needed during investigations</li> <li>Alert and support laboratory participation</li> <li>Provide logistic support: supplies, equipment, reagents, specimen transport media, health promotion budget</li> <li>Share information with regional and international networks about confirmed outbreak</li> <li>Use the decision instrument to decide whether the outbreak is a potential PHEIC</li> <li>Process specimens from investigation and send timely results as required to each level</li> <li>Request additional specimens as needed</li> <li>Take part in epidemic response team</li> </ul>	<ul style="list-style-type: none"> <li>Set policies and procedures for responding to cases and outbreaks of priority diseases and conditions</li> <li>Support epidemic response and preparedness activities including deployment of rapid response teams</li> <li>Report and disseminate results of outbreak response in bulletins, media, press releases and briefings</li> </ul>	<ul style="list-style-type: none"> <li>Develop and periodically distribute regional bulletin for epidemiology and public health</li> <li>Give districts regular, periodic feedback about routine control and prevention activities</li> <li>Release information quickly in a transparent manner and listen to the affected community</li> <li>Document provision of appropriate and timely feedback</li> </ul>	<ul style="list-style-type: none"> <li>Monitor IDSR and laboratory core indicators regularly</li> <li>Conduct outbreak investigation after action review</li> <li>Support annual monitoring of IHR core capacities</li> <li>Conduct IDSR regular review meetings</li> <li>Conduct regular supervisory visits</li> </ul>	<ul style="list-style-type: none"> <li>Set policies, procedures and training strategies for reporting priority diseases, conditions and events at each level.</li> <li>Adapt and distribute risk mapping guidelines</li> <li>Adapt and distribute guidelines for disaster or emergency preparedness plans</li> <li>Develop messages for community education</li> <li>Develop and manage contingency plans</li> <li>Organize and support national Rapid Response Teams</li> <li>Develop and organize simulation exercises</li> <li>Establish and maintain a national public health emergency command and operations center</li> </ul>
<b>National WHO Representative, WHO Regional Office</b>	<ul style="list-style-type: none"> <li>Develop and disseminate generic guidelines for surveillance</li> <li>Document and share IDSR best practices</li> <li>Provide technical support to the national level for detection and confirmation of priority diseases, conditions and events</li> <li>Inform countries about problems that may cross borders</li> <li>Coordinate international reference laboratory network support including centres of excellence</li> </ul>	<ul style="list-style-type: none"> <li>Collect and compile reports of outbreaks and international notifiable diseases and events</li> <li>Produce annual regional profiles or situation reports by priority diseases, conditions and events</li> </ul>	<ul style="list-style-type: none"> <li>Develop and disseminate standard guidelines for analysis of data for each priority disease</li> <li>Provide technical support to national level to improve capacity for analysis</li> </ul>	<ul style="list-style-type: none"> <li>Provide support to countries for investigation or assessment upon request</li> <li>Provide support for the coordination of laboratory participation during investigations</li> <li>Provide support for risk assessment using IHR decision instrument</li> </ul>	<ul style="list-style-type: none"> <li>Coordinate and support response activities ( Strategic Health Operations Centre, technical experts, virtual rapid response teams, guidelines, SOPs, etc.)</li> <li>Mobilise resources and facilitate partnerships</li> </ul>	<ul style="list-style-type: none"> <li>Provide feedback to collaboration with national and regional levels</li> <li>Disseminate risk communication guidelines</li> <li>Share information with partners and stakeholders</li> </ul>	<ul style="list-style-type: none"> <li>Use reports from countries to assess IDSR systems and advocate for improvements</li> <li>Develop, update or revise guidelines and tools for IDSR/IHR monitoring and evaluation</li> <li>Promote, guide and support operational research</li> </ul>	<ul style="list-style-type: none"> <li>Mobilize resources for training, logistics and supervision</li> <li>Develop, update or revise guidelines for disaster or risk management</li> <li>Maintain and update a roster of experts for rapid response teams</li> <li>Develop, update or revise training for IDSR and IHR implementation</li> <li>Maintain a public health emergency command and operations center</li> </ul>