




7-1-7 Bottleneck Categories

To help identify areas in greatest need of action and investment, categorize bottlenecks and review the most frequently recurring categories.

We recommend using the common bottleneck categories listed below under eight bottleneck themes.

They were developed based on 7-1-7 analyses across several countries.

Add additional bottleneck categories as needed.

| Theme | Categories |
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|  Clinical or Health Care Worker | Health professional with inadequate training in surveillance and response |
| | Limited clinical case management capacity |
| | Low awareness or clinical suspicion by health workers |
| | Inadequate clinical surveillance focal point / capacity |
|  Coordination | Inadequate coordination across public health units or agencies |
| | Inadequate multisectoral/disciplinary response teams |
| | Inadequate One Health information sharing/collaboration |
| | Weak response coordination, including incident management and rapid response team capacity |
| | Inadequate coordination with neighboring countries |
| | Inadequate coordination between public and private sectors |
|  Laboratory | Inadequate laboratory diagnostic capacity |
| | Delayed specimen collection |
| | Delayed specimen transportation |
| | Inadequate diagnostic commodities (lab reagents, RDTs, specimen collection kits) |
| | Laboratory reporting failure or delay |
| | Slow internal laboratory turnaround time |

| Theme | Categories |
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| Data Systems | Lack of timely or complete surveillance data |
| | Technological challenge for electronic surveillance/reporting systems (e.g., network coverage) |
| Event Characteristics | Access issues (e.g., remote, fragile, conflict settings, climate conditions) |
| | New, unexpected, or deprioritized pathogen |
| Patient & Community | Delay in care-seeking by patient |
| | Inadequate sensitivity of community detection |
| | Low community knowledge or trust |
| | Inadequate risk communications or community engagement |
| Planning & Procedures | Failure to follow event notification procedures |
| | Failure to follow initial risk assessment or event verification procedures |
| | Inadequate procedures in place for event notification |
| | Inadequate risk assessments, preparedness, or response plans |
| | Inadequate surveillance or response policies and guidelines |
| Resources & Procurement | Competing priorities (including COVID-19) |
| | Inadequate financing or resources for response initiation or rapid resource mobilization |
| | Limited availability of treatments, countermeasures or personal protective equipment |
| | Logistics and shipment delays |
| | Human resources gaps for public health |
| | Delayed approvals (e.g. bureaucratic, regulatory, etc) |
| | Inadequate public financial assistance (e.g., treatments; to offset public health and social measure (PHSM) impacts) |