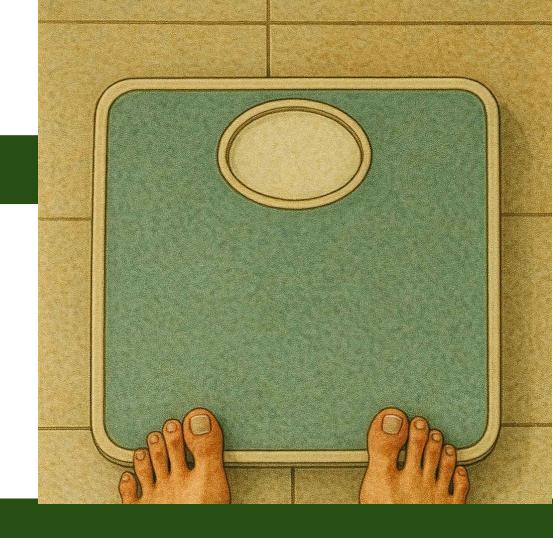


From Bottlenecks to Solutions: Leveraging Event-Based Surveillance through the 7-1-7 Framework, Philippines, January 2025

Moahna Lloyd Tagle-Pablo, RN, MPH Certified Applied Epidemiologist

What if....

You stepped on a bathroom scale to check your weight, but there were **no numbers or dial markings.**





From Bottlenecks to Solutions: Leveraging Event-Based Surveillance through the 7-1-7 Framework, Philippines, January 2025

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Response: median of 32 days

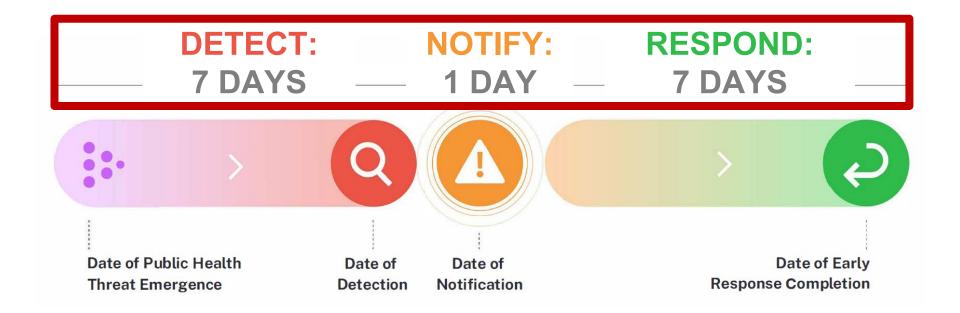
Timeliness Review of Southern Luzon Health Events (N=1,585) from 2017–2021 using Smolinski's Outbreak Milestones (2019)



Response: median of 32 days Timeliness Review of Southern Luzon Health Events (N=1,585) from 2017–2021 using Smolinski's Outbreak intestones (2019) Date of Date of Detectio Responded Started 32 DAYS

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The 7-1-7 Framework





Objectives:

- assess timeliness against set standards
- identify bottlenecks and
- recommend actionable strategies



We looked into 11 Public **Health Events (PHEs)**

Inclusion criteria:

- ✓ public health threats
- ✓ with complete, timestamped data

PHEs Evaluated for Timeliness under 7-1-7

Disease Classification	Health Event
Vaccine-Preventable Disease	Measles-Rubella Cluster
	Diphtheria, Confirmed
	Pertussis Outbreak
Emerging-reemerging Diseases	Monkeypox, Confirmed (Child)
	Monkeypox, Confirmed (Private Clinic)
	Monkeypox, Confirmed
Zoonotic Diseases	Rabies Cases
	Japanese Encephalitis, Confirmed
Food and Waterborne Diseases	Staphylococcal Foodborne
	Disease Outbreak
يري Neglected Tropical Disease	Helminthiasis Outbreak
and others	Clustering of Skin Diseases

Philippines FETP Intermediate

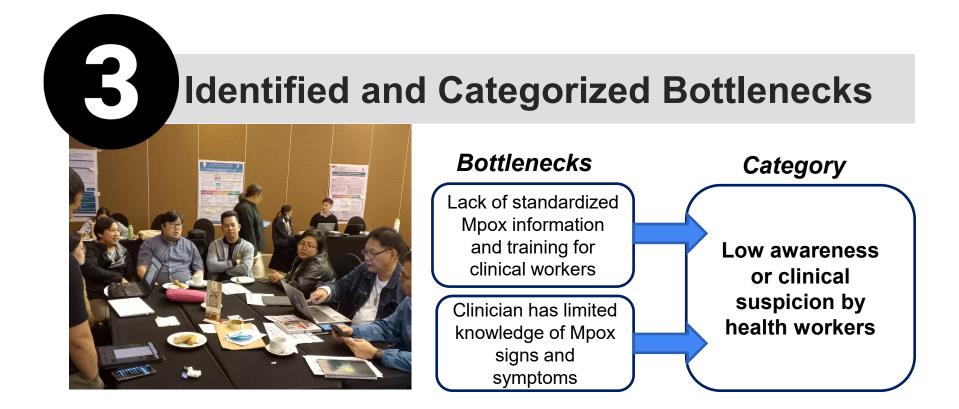


Calculate timeliness in 7-1-7 intervals



Detection: Was the event recorded within 7 days of emergence? **Notification:** Was it reported to public health authorities within 1 day?

Response: Were all 7 essential early response actions completed within 7 days?



Percentage of PHEs (N=11) Meeting the 7-1-7 target

Southern Luzon, Philippines | January 2025

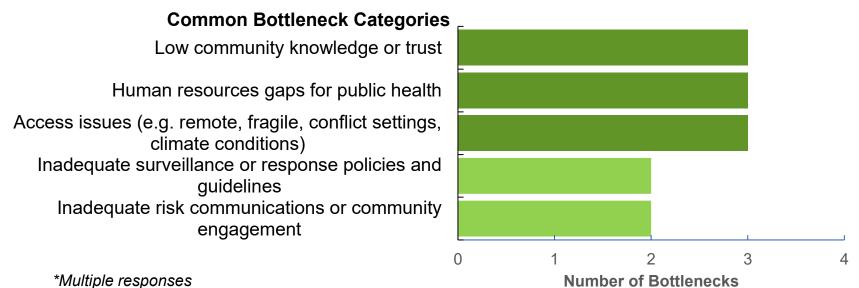


Only 36% of PHEs met all three components of the 7-1-7 target

Low knowledge and trust, human resources gaps and access issues are primary cause of delay in response.

Top 5 Common Bottleneck Categories* in Response

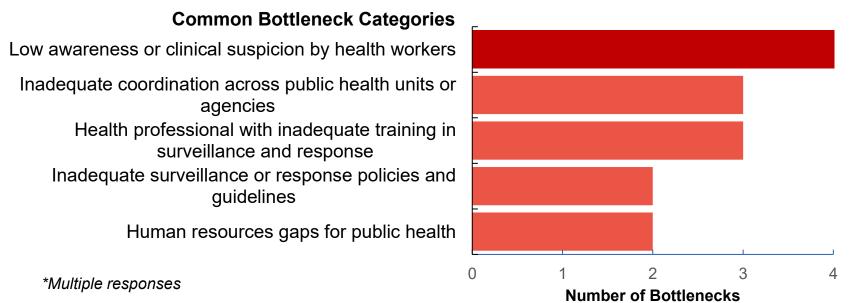
Southern Luzon, Philippines | January 2025



Low awareness or clinical suspicion by health workers is the primary bottleneck in detection.

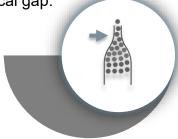
Top 5 Common Bottleneck Categories* in Detection

Southern Luzon, Philippines | January 2025



The Bottleneck

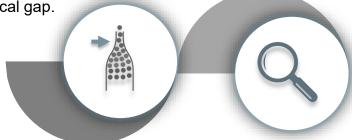
Only 36% met the 7-1-7 target. This is a critical gap.



The Bottleneck

Only 36% met the 7-1-

7 target. This is a critical gap.



Breaking Down the Delay:

Detection and responses is where the system is slow.

Root Causes

low community knowledge and trust, human resources gaps, and access issues



Breaking Down the Delay:

Detection and responses is where the system is slow.

The Bottleneck

Only 36% met the 7-1-

Root Causes

The Bottleneck
Only 36% met the 7-17 target. This is a

low community knowledge and trust, human resources gaps, and access issues



~{@}

Breaking Down the Delay:

Detection and responses is where the system is slow.

The Breakthrough

Targeted interventions, such as training, surge HR, and institutional 7-1-7 use, can break the cycle.



The Breakthrough



Quarterly clinical refresher training on notifiable diseases for frontline health workers



Surge staffing mechanisms at the provincial level should be institutionalized



Emergency response kits and transport partnerships are to be established in geographically isolated areas



Institutionalizing the use of the 7-1-7 framework for routine EBS performance review



Actions Taken



Integration of 7-1-7 Assessment to EBS Reports



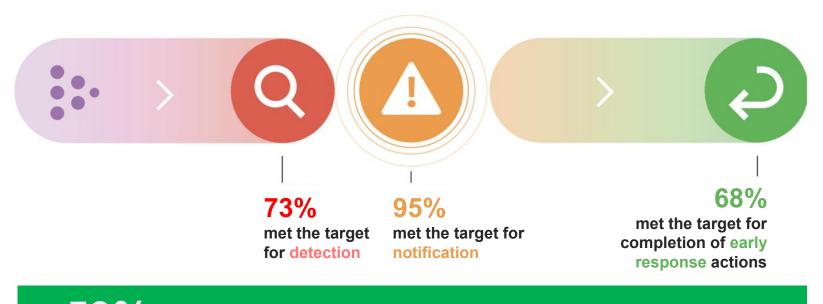
Conducted cluster-based capacitybuilding for hospitals and local health unit staff



7-1-7 Roll Out Training to Local Counterparts

Percentage of PHEs (N=22) Meeting the 7-1-7 target

Southern Luzon, Philippines | August 2025



59% of PHEs met all three components of the 7-1-7 target



Important Next Steps



Follow-up actions and tie key bottlenecks to long-term planning



Adoption of 7-1-7 as part of early action review in outbreak investigations

YOU HAVE THE POWER TO MAKE A DIFFERENCE

Let's turn our bottlenecks into breakthroughs





before another delay can take its toll.

Philippines FETP Intermediate