PHIN Preparedness

KEY PERFORMANCE MEASURES

Version 1.0

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1 INTRODUCTION

This document describes the Public Health Information Network (PHIN) Preparedness Key Performance Measures (KPMs). The KPMs are discrete, testable technical or operational capabilities used to assess the effectiveness of the integration and exchange of data, information and alerts among the systems that support the PHIN Preparedness Functional Requirements. Compliance with these KPMs and the PHIN Preparedness Functional Requirements is required to achieve PHIN Preparedness certification.

Additional system integration and data exchange requirements are listed in the requirements documents for each PHIN Preparedness functional area. The KPMs and Functional Requirements document the minimum operational requirements necessary to support PHIN Preparedness and should in no way preclude incorporating additional functionality.

2 KEY PERFORMANCE MEASURES

The KPMs are presented in matrix form, showing each performance measure and the PHIN Preparedness functional area(s) to which it applies.

Legend	
S = Sender (Create and Send Message)	EED = Early Event Detection
R = Receiver (Receive, Parse and Process Message)	OM = Outbreak Management
X = Required for indicated functional area	CRA = Countermeasure/Response Administration
	PCA = Partner Communications and Alerting
	CLS = Connecting Laboratory Systems
	CFC = Cross Functional Components

#	Performance Measure	PHIN Preparedness Functional Areas					
		EED	OM	CRA	PCA	CLS	CFC
1	Systems must exchange messages for confirmed, probable, and suspect cases, and the other case classifications that are noted in the PHIN message implementation guide: • *PHIN Case Notification – Outbreak General Message Implementation Guide*, available at *www.cdc.gov/phin*.	**S** **R**	**S** **R**				
2	Systems must exchange messages for investigations and for exposure contacts in accordance with: • *PHIN Investigation and Exposure Notification Message Implementation Guide*, available at *www.cdc.gov/phin*.		**S** **R**				

#	Performance Measure	PHIN Preparedness Functional Areas					
		EED	OM	CRA	PCA	CLS	CFC
3	Systems must exchange messages for laboratory results in accordance with: • *PHIN Laboratory Result – Generic Message Implementation Guide*, available at *www.cdc.gov/phin*, and • *PHIN Laboratory Result – Biological Agent Message Implementation Guide*, available at *www.cdc.gov/phin*.	R	R			S R	
4	Systems must exchange messages for laboratory test requests in accordance with: • *PHIN Laboratory Test Order Message Implementation Guide*, available at *www.cdc.gov/phin*.		S			S R	
5	Systems must be able to receive health related data for early event detection purposes including data that are in the following formats: • *PHIN Healthcare Encounter – Chief Complaint Message Implementation Guide*, available at *www.cdc.gov/phin*, and • *PHIN Healthcare Encounter – Diagnosis Message Implementation Guide*, available at *www.cdc.gov/phin*.	R					
6	Systems must exchange messages for countermeasures that have been administered in accordance with: • *PHIN Countermeasure Administration – Substance Administration Implementation Guide*, available at *www.cdc.gov/phin*, • *PHIN Countermeasure Administration – Follow-up Message Implementation Guide*, available at *www.cdc.gov/phin*, and • *PHIN Countermeasure Administration - Other Treatment Orders Message Implementation Guide*, available at *www.cdc.gov/phin*.		R	S R			

#	Performance Measure	PHIN Preparedness Functional Areas					
		EED	OM	CRA	PCA	CLS	CFC
7	Systems must exchange messages for countermeasure administration requests in accordance with: • *PHIN Countermeasure Administration – Referral Message Implementation Guide*, available at *www.cdc.gov/phin*.		S	R			
8	Systems must demonstrate the ability to exchange messages for adverse events identified during active surveillance in accordance with: • *PHIN Countermeasure Administration – Adverse Event Message Implementation Guide*, available at *www.cdc.gov/phin*.			S R			
9	Systems must send, receive, and manage "call-down" and "blast" communications and alerts on a 24/7/365 basis to key stakeholders in accordance with: • *PHIN Communication and Alerting Implementation Guide*, available at *www.cdc.gov/phin*.				S R		
10	Systems must securely exchange communications and alerts with other jurisdictions and organizations based on the communication capabilities of the receiving jurisdiction or organization in accordance with: • *PHIN Communication and Alerting Implementation Guide*, available at *www.cdc.gov/phin*.				S R		
11	Systems must securely exchange public health directory information with public health partners in accordance with: • *PHIN Directory Exchange Implementation Guide*, available at *www.cdc.gov/phin*.				X		
12	Systems must transport messages across secure channels using the ebXML protocol, and be in accordance with: • *PHIN Secure Messaging Implementation Guide*, available at *www.cdc.gov/phin*.						X