



Global Digital Health Partnership Cyber Security Workstream

Proposed Global eHealth Model Security Notice

INTRODUCTION: The Cyber Security Workstream focuses on strategies that can strengthen the processes and practices designed to protect healthcare related devices, systems, and networks, as well as the data within them, from security risks and cyberattacks.

The Global eHealth Model Security Notice (MSN) is being proposed as an openly available resource designed to help developers clearly convey information about their security policies to their users in one easily accessible resource. Like a standard Nutritional Facts Label, the eHealth MSN provides a snapshot of a company eHealth Technology existing security practices, encouraging transparency and helping targeted consumers make informed choices when selecting products. The eHealth MSN does not mandate specific policies or substitute for more comprehensive or detailed security policies but allows for documenting a company's standard security practices and applied security models or frameworks.

DEFINITIONS:

- **Security Notice Criteria**: Are a set of security measures to be addressed by developers, manufactures or other eHealth companies.
- **Implemented Safeguards**: Cyber Security measures that have been applied for specific eHealth technologies.
- eHealth System or Service: A generic term used for information and communication technology to support health and healthcare. Examples of eHealth technologies may include mobile telemedicine, health monitoring and surveillance devices, mobile device applications that may be provided on patient monitoring devices, personal digital assistants (PDAs), laptops and more.

Color Code: eHealth developers or manufacturers will provide information on their product's security policies and measures by completing the "Contact Details" and "Implemented Safeguards" sections of the MSN.

Blue Text: Form guidance language

Green Text: Prompts for additional information

Global eHealth MSN Form 1 | Page





Global eHealth Model Security Notice Form

Sub-Sections	eHealth System or Service Contact Details
ConDe.1	 [Legal Entity Name] [eHealth Technology Name] [Link (URL) to primary website] [Link to full Security Policy] [Link to Online Comment/Contact Form] [Security Contact Name]
	 [Security Contact Email Address] [Security Contact Phone Number] [Address; minimum, Country]

		eHEALTH SYSTEM OR SERVICE
SECTIONS:	SECURITY NOTICE CRITERIA	IMPLEMENTED SAFEGAURDS
		Confidentiality Control:
Sub-Section	This section describes what security	controls are in place to keep customer/user data private.

SECTIONS:	SECURITY NOTICE CRITERIA	eHEALTH SYSTEM OR SERVICE IMPLEMENTED SAFEGAURDS
Con.1	Authorization Control: the process of approving access a system or data. How is access granted to authorized users?	 Responses should address: Authorization is granted by user identification and password Passwords are assigned to customers/users and can be modified as needed Access to system/data is controlled by customer/user roles and cannot be changed by the customer/user Access is granted and controlled using an imbedded third-party (external technology, vendor or service provider) [Identify third-party provider] The policy or regulatory framework that defines authorization is publicly available here: [provide resource location] Additional Authorization controls (optional): [Open Text]
Con.2	Access Control: the process of granting or restricting connection to a system or data. How is access to data controlled and monitored?	 Responses should address: Unique identifiers [user ID] are used to determine how and when customer/user information is accessed Unique identifiers are used before access to data is permitted

Global eHealth MSN Form 3 | P a g e

SECTIONS:	SECURITY NOTICE CRITERIA	eHEALTH SYSTEM OR SERVICE IMPLEMENTED SAFEGAURDS
		 Authorization is granted and controlled using a third-party (external vendor or service provider) [Identify third-party provider]
Con.3	Data Classification: the process of categorizing data by sensitivity level. What is the classification of the data being stored, processed and/or transmitted?	Responses should address: Describe the data classification of the data stored, processed and/or transmitted by the eHealth technology: Personally Identifiable Information: [List applicable PII elements] Protected Health Information Electronic health records Administrative data Claims data Patient / Disease registries Health surveys Clinical trials data Claims and PII data are stored separately [If your organization uses third-party systems (external technology, vendor or service provider)] [Identify third-party provider] Describe the level of sensitivity of the third-party resource: [Open Text]

Global eHealth MSN Form 4 | P a g e

SECTIONS:	SECURITY NOTICE CRITERIA	eHEALTH SYSTEM OR SERVICE IMPLEMENTED SAFEGAURDS
Con.4	Authentication: the process of determining whether someone or something is who or what it says it is. How are users or systems authenticated before being granted access data?	 Responses should address: The Zero Trust Architecture Model is used This framework requires all users to be authenticated, authorized, and continuously validated. Two-Factor (2FA) or Multi-Factor Authentication (MFA) is used. (For example, biometrics, PIN numbers, or tokens) This authentication requires two or more forms of identification for access. Electronic access tokens are used Access tokens are required for electronic authentication to verify authenticity. Strong and complex usernames and passwords are used No default passwords are used If your organization uses additional or alternative methods of authentication. List here: [Open Text]
Sub-Section	This section describes what security trustworthiness of customer/user data	Integrity Control: controls are in place to maintain the consistency and
Int.1	Data Integrity: Is the process of confirming the overall accuracy,	Responses should address:

Global eHealth MSN Form 5 | P a g e

		eHEALTH SYSTEM OR SERVICE
SECTIONS:	SECURITY NOTICE CRITERIA	IMPLEMENTED SAFEGAURDS
	completeness, and consistency of data.	 Risk-based validation is performed on all information on a regular basis
	How is the overall accuracy of data maintained?	 □ Back-ups of data are performed on a regular basis [Describe the frequency and duration]
		☐ Duplicated data is removed
		Data validation techniques are in place and performed regularly, such as:
		Data type validation;
		 Range and constraint validation;
		 Code and cross-reference validation;
		Structured validation; and
		■ Consistency validation.
Int.2	System Integrity: Is the process of	Responses should address:
	guarding against improper system modification or destruction.	Development included security processes
	What controls are in place to protect against malicious code or	This ensures that security is introduced early in the development process from initial design through delivery.
	other malware?	☐ Unknown applications or software are blocked from access
		 External files or folders are blocked from access (For example, USB drives)
		Other: If your organization uses a third-party resource (external technology, vendor or service provider)
	*	□ [Identify third-party provider]

Global eHealth MSN Form 6 | P a g e

SECTIONS:	SECURITY NOTICE CRITERIA	eHEALTH SYSTEM OR SERVICE IMPLEMENTED SAFEGAURDS
		[Open Text]
Sub-Section	This section describes what security minimum interruptions.	Availability: controls are in place to ensure customer/user data is available with
Ava.1	Availability: Is the process ensuring timely and reliable access to and use of information. What controls are in place to ensure the system and data will be available when needed?	 Responses should address: Data availability is maintained using: Patches are applied and tested on a regular basis Data formatting and processes have been streamlined to meet customer/user needs Monitoring is performed to identify corrupted data, which is removed when discovered System and data recovery times are performed as described in established Service Level Agreements (where applicable) Data redundancy is prioritized to improve availability Automated failovers are in place ensuring minimal to no downtime
Sub-Section		nsmission Security Control: controls are in place to ensure how customer/user data is safely

Global eHealth MSN Form 7 | Page

SECTIONS:	SECURITY NOTICE CRITERIA	eHEALTH SYSTEM OR SERVICE IMPLEMENTED SAFEGAURDS
Tra.1	Transmission Control: Is the process of ensuring the secure sending or receiving of data. What controls are in place to protect data being sent or received?	Responses should address: Transmission security measures include:
Sub-Section	This section describes what security unauthorized access.	Data Encryption: controls are in place to protect customer/user data from

Global eHealth MSN Form 8 | P a g e

SECTIONS:	SECURITY NOTICE CRITERIA	eHEALTH SYSTEM OR SERVICE IMPLEMENTED SAFEGAURDS
DaE.1	Data Encryption: Is the process of converting human-readable plaintext into incomprehensible text. What controls are in place to protect data from unauthorized access?	 Responses should address: Data is transmitted through mobile application or medical device: Encryption is enabled by default User must enable encryption settings [Include link to instructions for enabling encryption] Data is not encrypted Data is stored on internal servers or stored with a third-party system (external technology, vendor or service provider)]: [Identify third-party provider] Encryption is enabled by default Encryption can be enabled by request Data is not encrypted Data is transmitted through the organization's network:
Sub-Section		anizational Security Policies s/users are notified of changes in organizational security policies.
Pol.1	Responses should address:	

Global eHealth MSN Form 9 | P a g e

SECTIONS:	SECURITY NOTICE CRITERIA	eHEALTH SYSTEM OR SERVICE IMPLEMENTED SAFEGAURDS
	Describe how the changes to security	policies are communicated to customers/users
	Opt/In communications methods:	
	□ Email	
	□ Text messages	
	□ Postal Mail	
	Continuous communication methor	ods:
	□ Organization Website [Provide	security policy link]
	Other [Provide other communicati	on methods]
	[Open Text]	
Sub Section	Organizat	ional Breach Notification Process
Sub-Section	This section describes how customer	s/users are notified of security breaches.
Bre.1	Responses should address:	
	Describe how the organization comm	unicates security breaches to customers/users
	Opt/In communications methods:	
	□ Email	
	□ Text messages	
	□ Postal Mail	
	Continuous communication method	ods:
	□ Organization Website [Provide	security policy link]

Global eHealth MSN Form 10 | P a g e

SECTIONS:	SECURITY NOTICE CRITERIA	eHEALTH SYSTEM OR SERVICE IMPLEMENTED SAFEGAURDS
	Other [Provide other communication	n methods]
	[Open Text]	
	Organization	nal Risk Management Methodology
Sub-Section	This section describes what risk mana with.	gement standards the eHealth technology organization complies
Bre.1	Responses should address:	
	Describe the risk management standards the organization complies with:	
	(Examples of encryption standards)	
	□ International Organization for Standardization (ISO) 31000 Risk Management Standards	
	□ National Institute of Standards and Technology (NIST) Risk Management Framework (RMF)	
	□ International Health Regulations (2005) (IHR)	
	Other [Provide other standards]	
	□ [Open Text]	

Global eHealth MSN Form 11 | P a g e