Interoperability Modernization Strategy

ONC HITAC

Federal Electronic Health Record Modernization (FEHRM) office

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10 November 2021

Agenda

DOD-VA Interoperability Modernization Strategy

- Overview

- Phase 3: Performance Measurement Plan

- Performance Measure "Down-Select"

- Next Steps

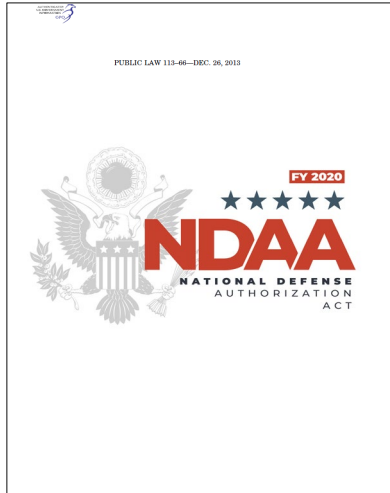- Questions

DOD-VA
Interoperability Modernization Strategy

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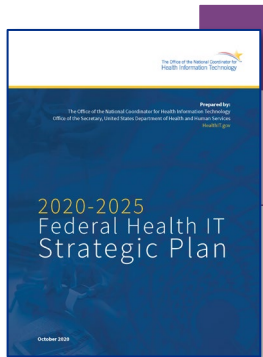- Questions

Overview

Dec 2019
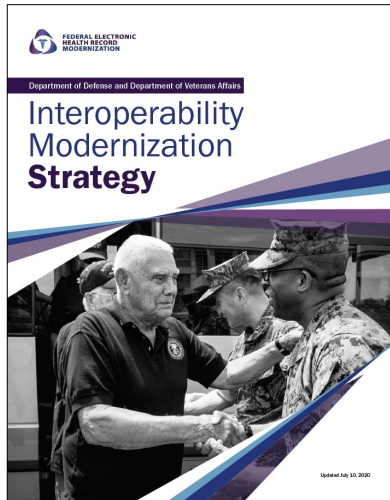**NDAA 2020**

PHASE 1 Strategy

PHASE 2 Supporting Plan

PHASE 3 Performance Measurement

Advisory Group

Integrated Product Team

ONC-HIT

Federal Health IT Strategic Plan

Interoperability Modernization Strategy

COMPLETE

- ☑ Identify **Goals & Objectives**
- ☑ Delivered to Congress 6 Oct 2020

Interoperability Modernization Strategy — Supporting Plan
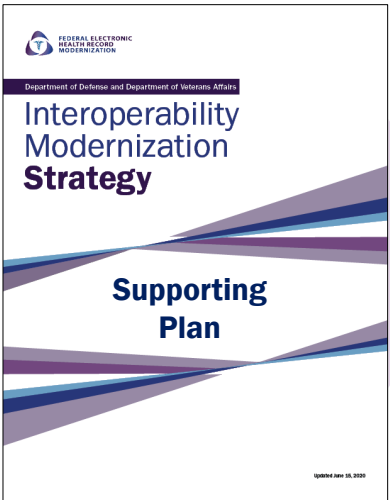
COMPLETE

- ☑ Identify **Initiatives** supporting the Goals & Objectives
- ☑ Draft Supporting Plan
- ☑ EXCOM Approval 25 Mar 2021

Interoperability Modernization Strategy — Performance Measurement Plan

IN PROGRESS

- ☐ Identify **Performance Measures**
- ☐ Draft Performance Measurement Plan

Phase 1: Goals & Objectives

GOAL 1
Promote Health & Wellness

1A Beneficiaries are empowered to manage their health and wellness

1B Beneficiaries are empowered to manage their health care and benefits

1C Health and benefits team members and public health organizations are able to access and analyze data and communicate findings and recommendations to improve individual- and population-level health and wellness

1D Benefits and service providers deliver effective and efficient benefits and services

GOAL 2
Enhance the Delivery & Experience of Care

2A Beneficiaries access health care and benefits regardless of location

2B Beneficiaries have access to information to make informed choices about their health care providers and insurers

2C Health and benefits team members provide care wherever the beneficiary is located

2D Health and benefits team members practice safe and effective beneficiary-centered care

2E Health and benefits team members experience reduced administrative burden and focus their time on beneficiaries

2F Health and benefits team members are supported by information technology that meets their workflow and usability needs

2G Patient safety and population health professionals identify, predict, monitor and prevent adverse events

2H DOD, VA and members of the health care and benefits partner continuum promote sharing of health and benefits information among other federal, state and local entities in accordance with applicable laws and patient preferences

GOAL 3
Build a Secure, Data-Driven Ecosystem to Accelerate Research and Innovation

3A Beneficiaries have the choice to contribute their data to research initiatives

3B Researchers and IT professionals advance interoperability to better facilitate research and innovation

3C Researchers and innovators leverage data and information technologies to build information systems that are evidence-based to advance health, health care delivery and provision of benefits

GOAL 4
Connect Health Care and Health Data

4A Leadership in health and benefits delivery, finance, and technology optimize the value of information technology

4B Leadership in information and technology enable seamless integration between systems to support health care and related benefits

Phase 2: Supporting Plan

27 Initiatives | **6 Foundational**

- Chart Search API
- Common Operational Picture
- Community Administration of Vaccine Encounters (CAVE)
- COVID-19 Registry
- Direct Secure Messaging Capability
- Disability Benefits Questionnaire (DBQ) Data Ingestion
- DOD/VA Joint Personal Health Record Initiative (Digital Patient Engagement Platform)
- **Electronic Health Record Modernization Interoperability Components**
- Enable Access to Commissaries and Morale, Welfare and Recreation Facilities to Eligible Veterans and Caregivers

- **Federated Interagency Terminology Service (FITS)**
- **Identity Management**
- Individual Longitudinal Exposure Record (ILER)
- Integrated Disability Evaluation (IDES) Case File Transfer Capability
- **Interoperability Standards Framework (ISF)**
- Joint Federal Enclave
- Joint Health Information Exchange
- **Joint Longitudinal Viewer (JLV)**
- Medical and Dental referrals for Veteran Readiness and Employment (VR&E) Program Participants

- Military Personnel Data Transmission between DOD and VA
- Monitoring and Surveillance for Public Health and Disease Outbreak
- Patient Portals
- Separation Health Assessment
- Solor (System of Logical Representation)
- **Standards Development**
- Telehealth
- VA Digital Transformation
- Veterans Benefits Management System (VBMS) EHRM Exam Management Integration

Goals, Objectives & Initiatives

Slide 1

INITIATIVE	FOUNDATIONAL	1A	1B	1C	1D	2A	2B	2C	2D	2E	2F	2G	2H	3A	3B	3C	4A	4B
GOAL 1 Promote Health & Wellness		●	●	●	●													
GOAL 2 Enhance the Delivery & Experience of Care						●	●	●	●	●	●	●	●					
GOAL 3 Build a Secure, Data-Driven Ecosystem to Accelerate Research and Innovation														●	●	●		
GOAL 4 Connect Health Care and Health Data																	●	●
Electronic Health Record Modernization Interoperability Components	●																	
Federated Interagency Terminology Service (FITS)	●																	
Identity Management	●																	
Joint Longitudinal Viewer (JLV)	●																	
Interoperability Standards Framework (ISF)	●																	
Standards Development	●																	
Chart Search API				●	●			●	●	●	●		●		●	●	●	●
Common Operational Picture				●							●							
Community Administration of Vaccine Encounters (CAVE)					●			●										
COVID-19 Registry				●					●							●		
Direct Secure Messaging Capability					●		●		●	●			●					●
Disability Benefits Questionnaire (DBQ) Data Ingestion				●					●	●	●			●	●	●	●	●
DOD/VA Joint Personal Health Record Initiative (Digital Patient Engagement Platform)		●	●			●	●				●			●				●
Enable Access to Commissaries and Morale, Welfare and Recreation Facilities to Eligible Veterans and Caregivers		●				●					●		●					●

Goals, Objectives & Initiatives

Slide 2

INITIATIVE	FOUNDATIONAL	GOAL 1 Promote Health & Wellness				GOAL 2 Enhance the Delivery & Experience of Care								GOAL 3 Build a Secure, Data-Driven Ecosystem to Accelerate Research and Innovation			GOAL 4 Connect Health Care and Health Data	
		1A	1B	1C	1D	2A	2B	2C	2D	2E	2F	2G	2H	3A	3B	3C	4A	4B
Individual Longitudinal Exposure Record (ILER)				●	●			●	●		●	●	●			●		●
Integrated Disability Evaluation System (IDES) Case File Transfer Capability										●			●					●
Joint Federal Enclave																		●
Joint Health Information Exchange								●			●							●
Medical and Dental Referrals for Veteran Readiness and Employment (VR&E) Program Participants				●	●			●	●		●						●	●
Military Personnel Data Transmission between DOD and VA		●			●					●							●	●
Monitoring and Surveillance for Public Health and Disease Outbreak				●							●	●	●					●
Patient Portals		●	●			●	●				●							●
Separation Health Assessment (SHA)									●	●	●		●					
Solor (System of Logical Representation)		●		●					●	●	●	●			●	●	●	
Telehealth			●		●	●		●	●	●								●
VA Digital Transformation			●				●	●	●						●		●	●
Veterans Benefits Management System (VBMS) EHRM Exam Management Integration				●	●				●	●	●					●	●	●
# INITIATIVES ALIGNED:	6	5	4	7	7	4	3	7	9	7	14	3	7	1	3	4	5	14

DOD-VA Interoperability Modernization Strategy

- Overview
- Phase 3: Performance Measurement Plan
- Performance Measure "Down-Select"
- Next Steps
- Questions

Phase 3: Performance Measurement

Purpose

Develop Performance Measures that enable tracking of progress toward the Objectives identified in the Interoperability Modernization Strategy

Process

1. Divide Initiatives into **5 Work Groups**

2. Lead an **Initiative by Initiative review** → Develop Performance Measures

3. **Align Performance Measures to Objectives**

4. Identify the most illustrative Performance Measures for each Objective

Deliverable

A **Performance Measurement Plan** document centered on the Strategy Objectives and describing Performance Measures for each Objective
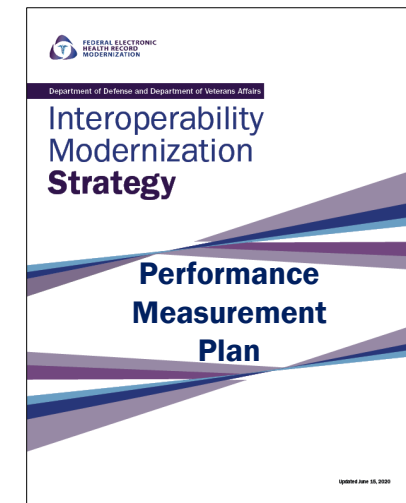
Phase 3: Performance Measurement

Work Groups

WG 1: **Benefits**	WG 2: **Standards**	WG 3: **Population Health**	WG 4: **Clinical**	WG 5: **Work Group #5**
▪ Chart Search API ▪ Enable Access to Commissaries and Morale, Welfare and Recreation Facilities to Eligible Veterans and Caregivers ▪ Medical and Dental referrals for Veteran Readiness and Employment (VR&E) Program Participants	▪ Interoperability Standards Framework (ISF) ▪ Solor (System of Logical Representation) ▪ Standards Development	▪ COVID-19 Registry ▪ Individual Longitudinal Exposure Record (ILER) ▪ Monitoring and Surveillance for Public Health and Disease Outbreak	▪ Electronic Health Record Modernization Interoperability Components ▪ Joint Health Information Exchange ▪ Joint Longitudinal Viewer (JLV) ▪ Patient Portals ▪ Separation Health Assessment ▪ Telehealth	▪ Direct Messaging Capability ▪ Identity Management ▪ Joint Federal Enclave ▪ Military Personnel Data Transmission between DOD and VA ▪ VA Digital Transformation

Phase 3: Performance Measurement

Categories of Performance Measures

CATEGORY	DEFINITION	EXAMPLES
Transactional Metric	A Performance Measure that counts the **number of times a specific system activity or transaction occurs**.	▪ BlueButton record downloads ▪ Number of prescriptions sent to pharmacies electronically
Programmatic Metric	A Performance Measure that is based on the **completion of a program management milestone**	▪ Percentage of hospitals that are "live" with a new electronic prescribing system
Outcome Metric	A Performance Measure that describes **how often a desired end-result occurs** in association with a specific system or process change. The outcome could be **clinical**, or it could be **financial**, **efficiency**, **satisfaction**, etc.	▪ Clinical: Improvement in cholesterol level in patients who had electronic prescriptions sent and filled ▪ Efficiency: Reduced time required by pharmacist to fill an electronic prescription

Phase 3: Performance Measurement

Chart Search API

DESCRIPTION

The Chart Search API is a software program designed to reduce the amount of time needed for Benefits and Claims Examiners to complete the "evidence gathering" phase of the response to Veterans' claim for benefits.

The Chart Search API will search multiple systems simultaneously, then allow "tagging" of specific information and transfer of the information to the Veteran's case file.

CANDIDATE PERFORMANCE MEASURES

1.
Delivery of Chart Search API software Iteration #1

PROGRAMMATIC

2.
Number of Monthly Active Users (MAU) of the Chart Search API

TRANSACTIONAL

3.
Number of searches performed with the Chart Search API in the past month

TRANSACTIONAL

4.
Time in Queue for Evidence-Gathering Phase of Claim Review

OUTCOME

PRELIMINARY

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Phase 3: Performance Measurement

Conceptual Approach

GOAL 1
Promote Health & Wellness

GOAL 2
Enhance the Delivery & Experience of Care

GOAL 3
Build a Secure, Data-Driven Ecosystem to Accelerate Research and Innovation

GOAL 4
Connect Health Care and Health Data

1A	1B	1C	1D

2A	2B	2C	2D	2E	2F	2G	2H

3A	3B	3C

4A	4B

1D Benefits and service providers deliver effective and efficient benefits and services

INITIATIVE
Chart Search API

PERFORMANCE MEASURE

Time in Queue for Evidence-Gathering Phase of Claim Review

OUTCOME

PERFORMANCE MEASURE

Number of Chart Searches Performed

TRANSACTIONAL

PERFORMANCE MEASURE

Number of Monthly Active Users (MAU)

TRANSACTIONAL

PERFORMANCE MEASURE

Delivery of Chart Search API Iteration 1

PROGRAMMATIC

Phase 3: Performance Measurement

Down-Selection

GOAL 1 Promote Health & Wellness	GOAL 2 Enhance the Delivery & Experience of Care	GOAL 3 Build a Secure, Data-Driven Ecosystem to Accelerate Research and Innovation	GOAL 4 Connect Health Care and Health Data

GOAL 1: 1A 1B 1C 1D

GOAL 2: 2A 2B 2C 2D 2E 2F 2G 2H

GOAL 3: 3A 3B 3C

GOAL 4: 4A 4B

Initial:
Numerous candidate Performance Measures identified and aligned to each Objective

Phase 3: Performance Measurement

Down-Select | **Considerations**

1 **Addresses Congressional Interest**
Through legislation, hearings and communications, Congress has expressed interest in specific technologies, systems and processes. If a Performance Measure involves a technology, system or process with Congressional interest, it is prioritized.

2 **Directly Measures Progress Toward Interoperability**
Some Performance Measures track progress toward interoperability more directly than others. If a Performance Measure is designed to more directly track progress toward interoperability, it is prioritized.

3 **Measures an Outcome**
It has long been a goal of the health data interoperability (HDI) field to express the value of HDI in terms of health, efficiency, financial or other outcomes that matter to stakeholders. Performance Measures that track an outcome are prioritized.

4 **Exhibits Strong Support for Multiple Objectives**
Some Performance Measures emerge as highly illustrative of progress across multiple Objectives. If a Performance Measure demonstrates progress across multiple Objectives, it is prioritized.

5 **Derived from a Foundational Initiative**
The Interoperability Modernization Strategy contains six Initiatives whose effects on interoperability were so broad and pervasive, the Initiatives were considered "Foundational". Performance Measures derived from Foundational Initiatives are prioritized.

6 **Objectives with Few Performance Measures**
During the process of generating Performance Measures and aligning them to Objectives, some Objectives have few Performance Measures aligned under them (3 or fewer). If an Objective has few Performance Measures aligned to it, then those Performance Measures are prioritized.

Phase 3: Performance Measurement

Down-Selection

GOAL 1 Promote Health & Wellness	GOAL 2 Enhance the Delivery & Experience of Care	GOAL 3 Build a Secure, Data-Driven Ecosystem to Accelerate Research and Innovation	GOAL 4 Connect Health Care and Health Data

| 1A | 1B | 1C | 1D | | 2A | 2B | 2C | 2D | 2E | 2F | 2G | 2H | | 3A | 3B | 3C | | 4A | 4B |

Goal:

A final, parsimonious set of the most illustrative Performance Measures for each Objective

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Performance Measurement and Reporting

Transition to Metrics & Analysis IPT

DOD-VA

Interoperability Modernization Strategy

IPT

- Develop Goals and Objectives
- Outline candidate Performance Measures & related artifacts

FEHRM Metrics & Analysis (M&A) IPT

- Validate the scope of the IM Strategy PMP
- Validate M&A IPT membership
- Examine candidate Performance Measures
- Develop measure technical specifications
- Recommend reporting method, frequency of reporting, and responsible offices

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Questions