

## 2015 Defense Health Information Technology Symposium

# Defining a Secure Mobile Framework Architecture at DHA



*“Medically Ready Force...Ready Medical Force”*

**“A joint, integrated, premier system of health, supporting those who serve in the defense of our country.”**



***“Medically Ready Force...Ready Medical Force”***

# Learning Objectives



- Recognize the benefits of Mobility and the positive impact to patient and provider
- Realize the challenges and path necessary to establish a Mobile Framework and Policies for the MHS
- Identify the processes required for Mobile Application Development and compliance with DHA governance

“Create a highly mobile workforce equipped with secure access to information and computing power anywhere at anytime for greater mission effectiveness.”



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# Agenda



- Defining Mobility at MHS
- MHS Mobile Technology Realization
- Benefits of Mobility
- Mobile Framework
- Implementation Challenges
- Governance
- MHS Mobility Way Ahead
- MHS Mobility Summary

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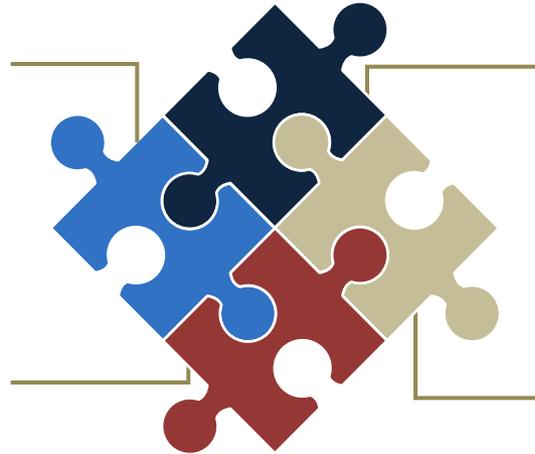
# Defining Mobility at the MHS



Ensure a secure, **agile operating environment** for DoD healthcare mobile workforce



Secure, **scalable enterprise infrastructure** in the delivery of a mobile framework for the MHS



Identify and develop a **library of mobile and web enabled applications** to aid providers in the delivery of healthcare



Identify **mobile devices** appropriate for use in the enterprise environment



These focus areas will support **rapid delivery, scaling and utilization of secure mobile capabilities**, leveraging commercial mobile technologies that enable an agile deployment environment for new and innovative applications to support evolving provider requirements.

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# Realizing Mobility at the MHS

The DHA's HIT Mobile Technology Working Group was established and chartered to:

- Provide a forum to support the development of a mobile framework for the MHS Enterprise
- Direct activities related to the development of a mobile solution for the MHS enterprise
  - Scalable, agile, and meets the high security requirements and supports the business processes of the MHS
  - **Protection of patient data is critical**



# Mobile Health Technology

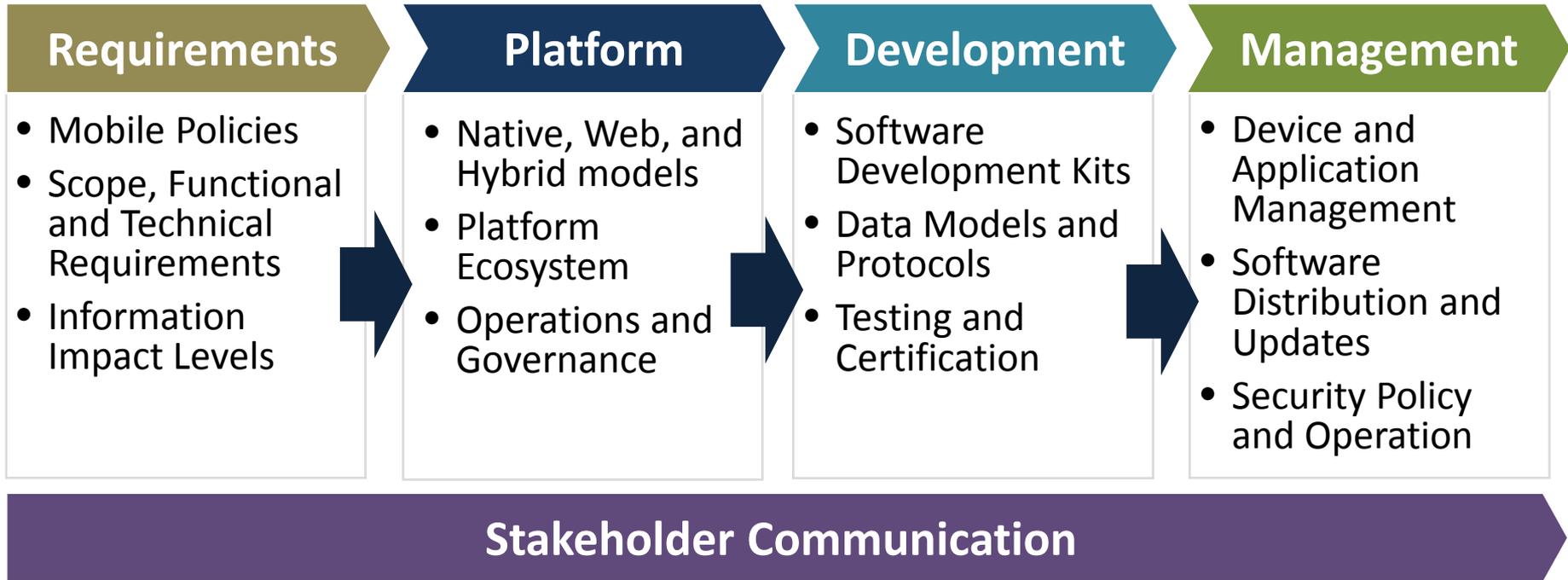
*...what it means for our providers*

- **Enable collection and sharing of data** from the field to monitor infectious diseases
- **Replace pounds of reference materials** for doctors and nurses with hand-held devices
- Diagnose injuries and **remotely access lab results**
- **Enable remote patient monitoring**, information retrieval, medication administration, specimen collection and testing, and transfusion verification



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# MHS Mobile Application Framework

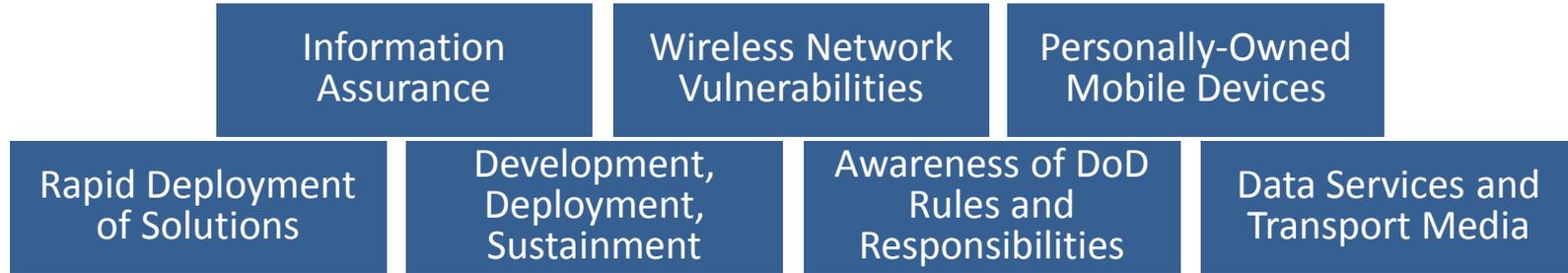


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# MHS Mobile Implementation Challenges



## Challenges related to mobile health deployment



## Unique Challenges faced by the Military Health System



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# MHS Mobile Policies and Objectives



## 1. TRANSFORM

Transform DHA's IT Infrastructure and Application Services to support mobile innovations and ensure mission effectiveness

## 2. PROVIDE

Provide enterprise resources and structure to attract and retain a high performing IT workforce to support mobility

## 3. ENHANCE

Enhance and strengthen mobile health IT to protect DHA's critical data and IT assets

## 4. IDENTIFY

Identify, test, and adopt new mobile health IT to make DHA's mission more capable and affordable

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# MHS Mobile Application Development - Governance Process



- Submit to the Request Portal
- Tri-service and DHA Capability Manager Review

- DOTMLPF
- Material Solution Analysis
- Business Case Analysis (BCA)
- Portfolio Rationalization

- Prioritize based on MHS gaps and needs
- Investment Decisions

- Execute projects
- Lifecycle Management Activities

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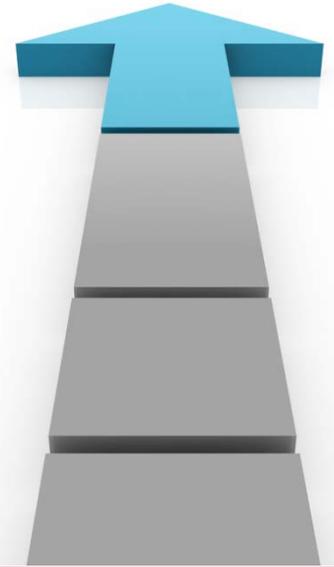
# MHS Mobile Way Ahead

- Define and validate functional as well as technical requirements for MHS Mobility
- Develop Mobile Course of Action (COA)
- Complete and submit Requirements Validation package



# MHS Mobile Summary

- We are not developing “Words With Friends”, rather we are defining a capability that facilitates rapid secure exchange of information between providers and patients
- The Mobile Technology Working Group continues to develop supporting documentation in order to begin acquisition development



# Speaker Info

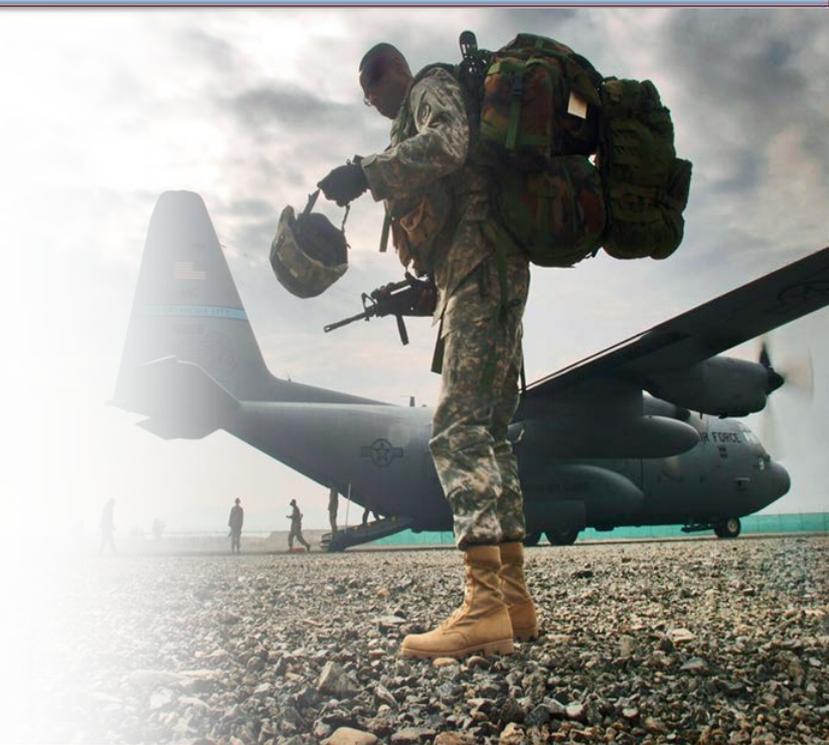


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# Questions?



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Please complete your evaluations