



**Defense Center of Excellence (DCoE)
National Intrepid Center of Excellence (NICoE)
for Psychological Health / Traumatic Brain Injury**

**Presentation for
Defense Health Board**

23 April 08

COL Angel L. Lugo, FACHE

Chief of Staff



Agenda



- Overview
- DCoE Introduction
 - Vision / Mission
 - Organization
 - Milestones
- NCoE Introduction
 - Vision / Mission
 - Organization
 - Milestones
- Summary/Discussion
- Way Ahead



Overview

Health Affairs (HA)

- PH/TBI strategy, plans, policy and compliance
- Responsible for overall DoD plan for addressing PH/TBI

Defense Center of Excellence (DCoE)

- Coordination/collaboration
- Standards of care
- Full spectrum holistic focus
- Research/telehealth

Military Community and Family Policy

- Responsible for DoD Quality of Life policy and program oversight
- Provides policy and management direction for education programs

National Intrepid Center of Excellence (NICoE)

- Family centered approach
- Evaluation and diagnosis
- Training and education
- Research/clinical partners
- Follow-up and outcomes



Defense Center of Excellence (DCoE) Introduction



- **History:** Various task forces, Presidential, and independent committees proposed over 300 recommendations to address Psychological Health (PH) and Traumatic Brain Injury (TBI) issues in wounded Warriors. Congress provided \$900M to meet requirements for PH/TBI.
- **Purpose:** DCoE was established in response to these recommendations to maintain focus on PH/TBI health issues in Service members and their families.
- **Funding:** DCoE operations will be sustained through FY 2008 and FY 2009 supplemental funding, and FY 2010-15 POM.
- **Staffing:** DCoE staffing will be from the military Services, GS / Contract personnel; and Federal / Civilian partnerships



DCoE Vision/Mission

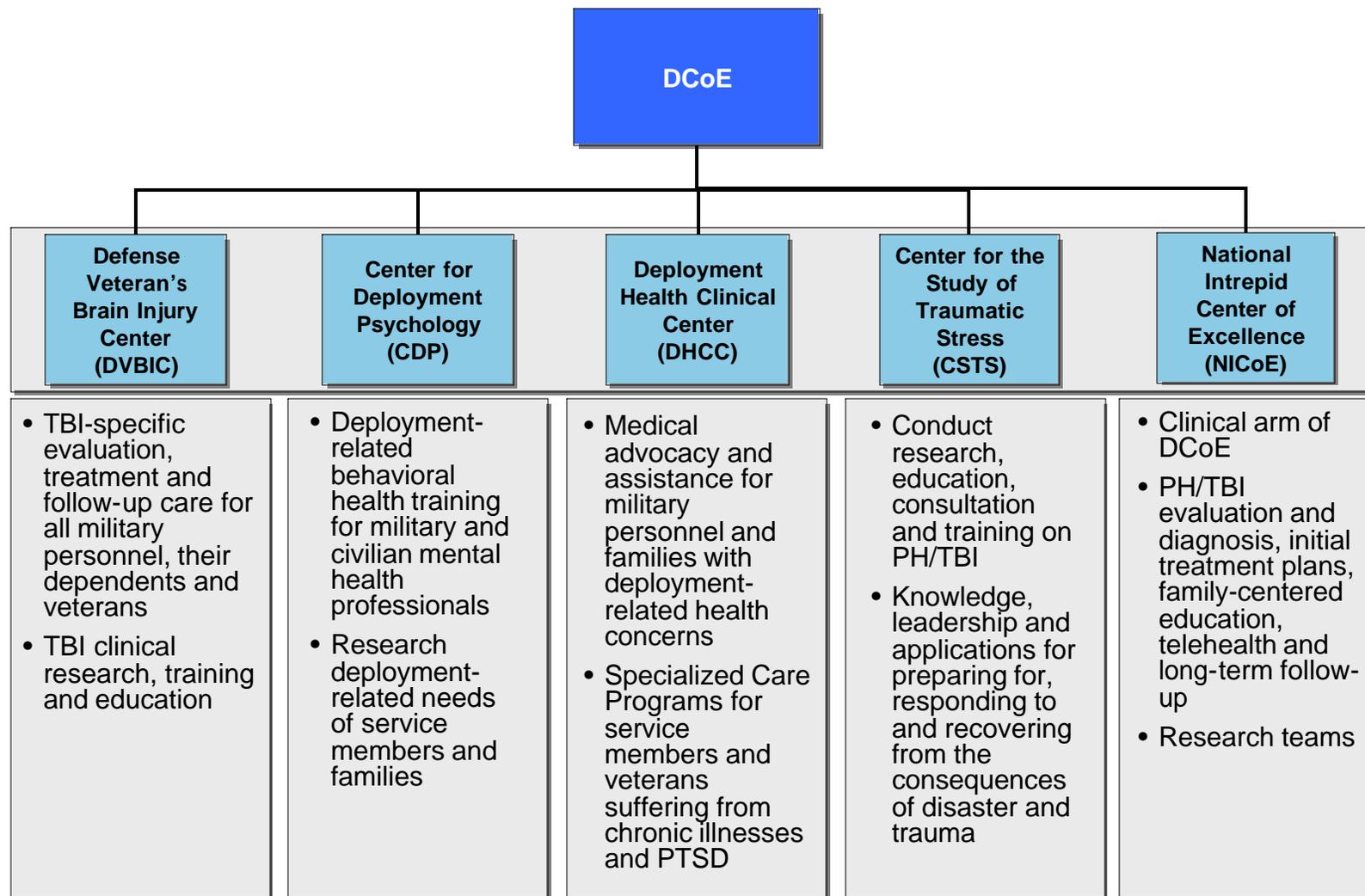


Vision: Keeping the faith with America's Warriors, Families, leaders, and communities

Mission: To maximize opportunities for Warriors and Families to thrive by leading a collaborative global network promoting resilience, recovery, and reintegration for PH and TBI.

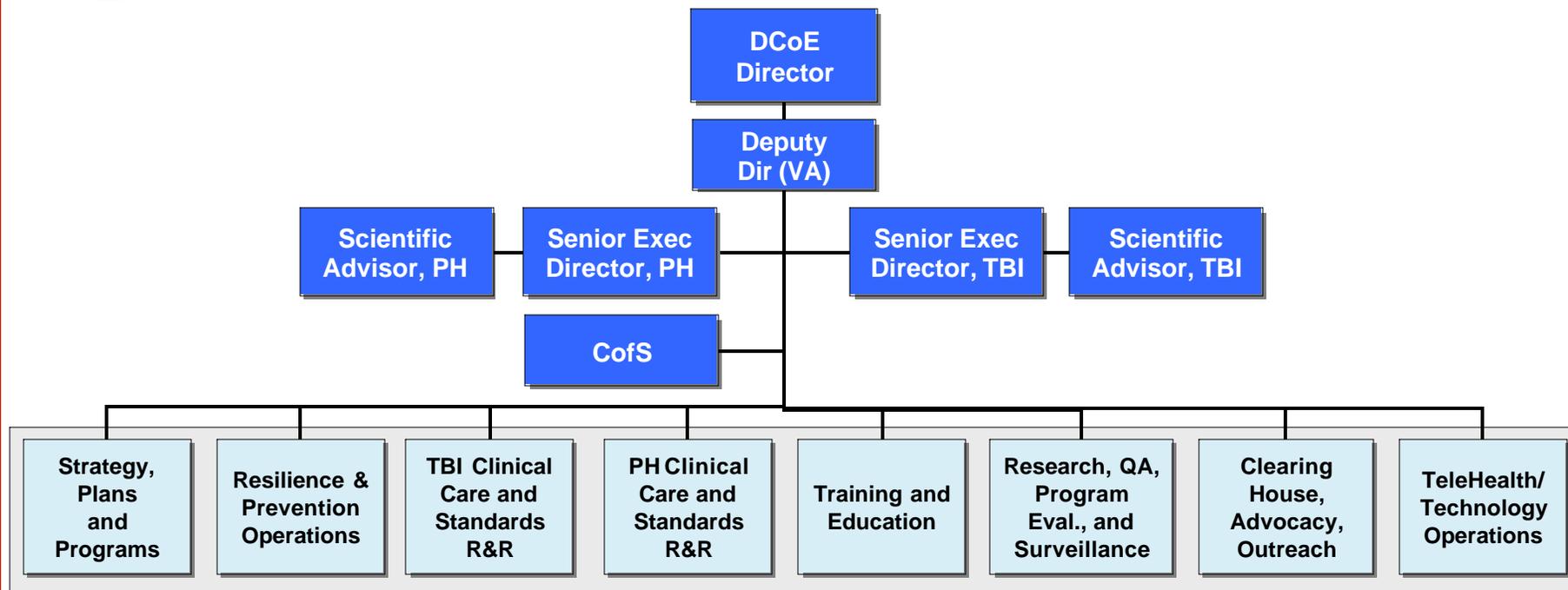


DCoE “Center of Centers”





DCoE Organization

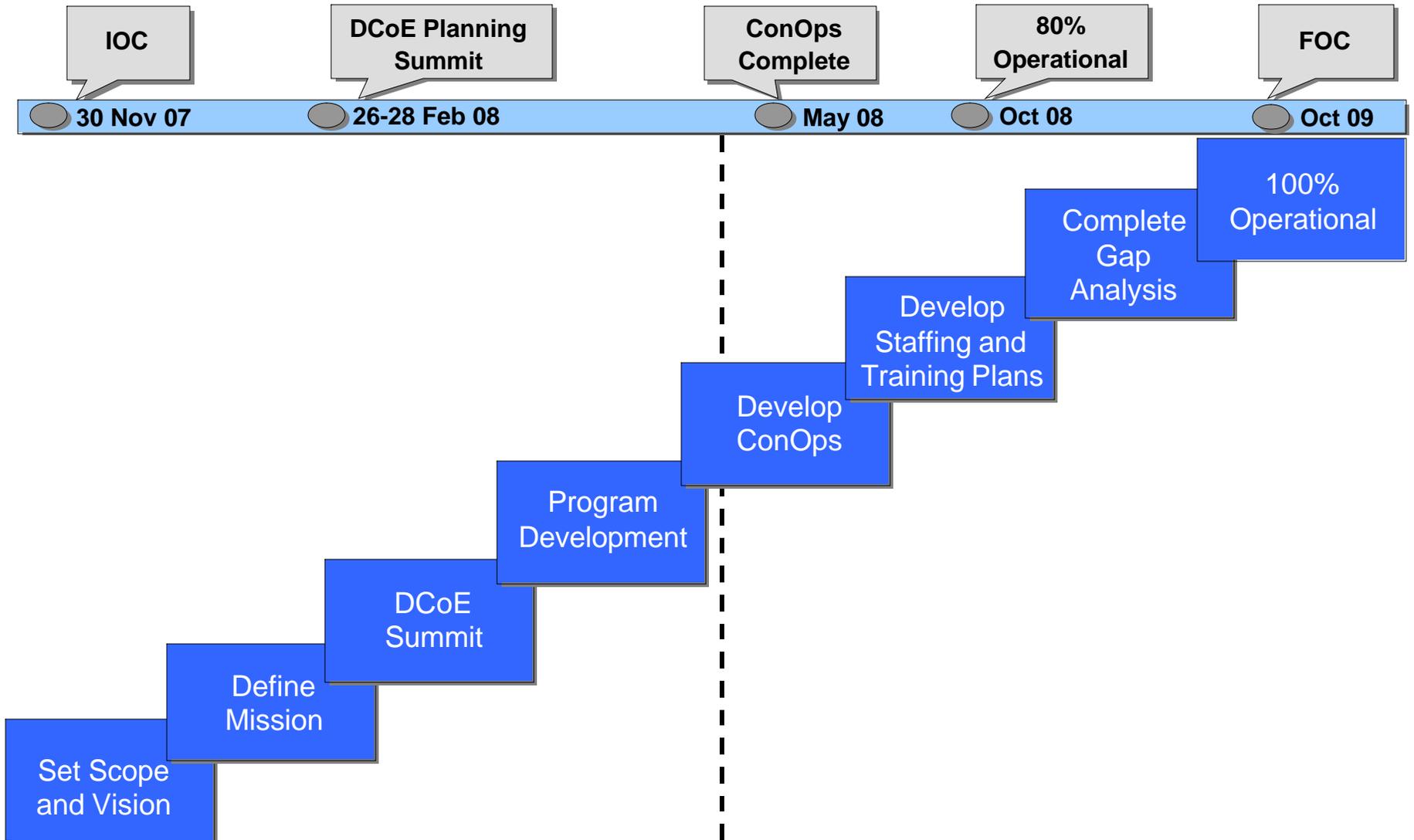


Phase	Date	Operational Capabilities	Staffing
Phase I	Oct 07 – Jul 08	50%	25-30
Phase II	Jul 08 – Oct 09	80%	75-100
Phase III	Oct 09	Fully Functional	TBD

Budget



DCoE Program Development Overview





DCoE in Action



DCoE Highlights: Last 90 Days

- Established DoD/VA PWG on reintegration for Warriors, Veterans and Families
- Coordinated 18 TBI training events
- Briefed UK SG LTG Lillywhite; UK has adopted MACE, furthering global impact of DCoE
- Reviewed 846 research programs; recommended 75 programs for funding
- Developed a 2-week deployment psychology training course; trained 82 primary care providers and 188 PH providers
- Featured in Wall Street Journal article *Pentagon Seeks Battlefield Device to Diagnose Brain Injury*
- Participated in DoD Media Roundtable to discuss the Rand study, *Invisible Wounds of War*



NICoE Overview

- **History:** Various task forces, Presidential, and independent committees proposed over 300 recommendations to address Psychological Health (PH) and Traumatic Brain Injury (TBI) issues in wounded Warriors. Congress provided \$900M to meet requirements for PH/TBI.
- **Purpose:** The NICoE is the clinical arm of the DCoE. It is intended to provide holistic evaluation and diagnosis, initial treatment plans, family-centered education, telehealth and long term follow-up.
- **Funding:** The NICoE will be built and equipped through the generosity of the Intrepid Fallen Heroes Fund and the Fisher family.
- **Staffing:** The NICoE will be staffed by a team of clinicians, subject matter experts, researchers, and support staff all dedicated to the evaluation and diagnosis of PH/TBI conditions.



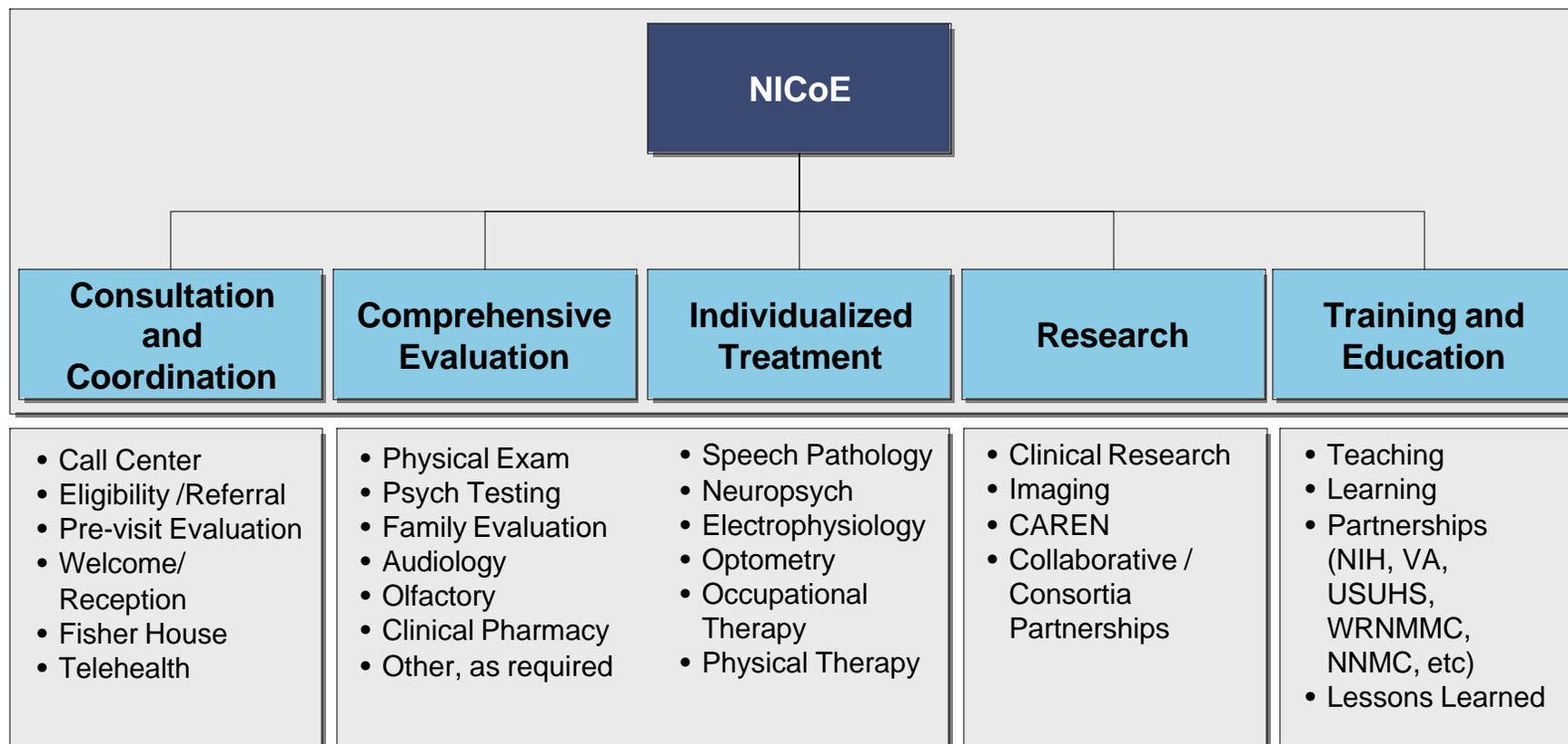
NICoE Vision



The National Intrepid Center of Excellence is a state of the art facility that provides ***intensive outpatient evaluation, advanced diagnostics, initial treatment plans, treatment modalities, and long term follow-up*** for patients suffering from Traumatic Brain Injury and Psychological Health issues. Using cutting edge **evidence-based practice, technology and research tools**, the Center facilitates **maximum recovery** for Warriors and Families and return to **function within their home communities**.



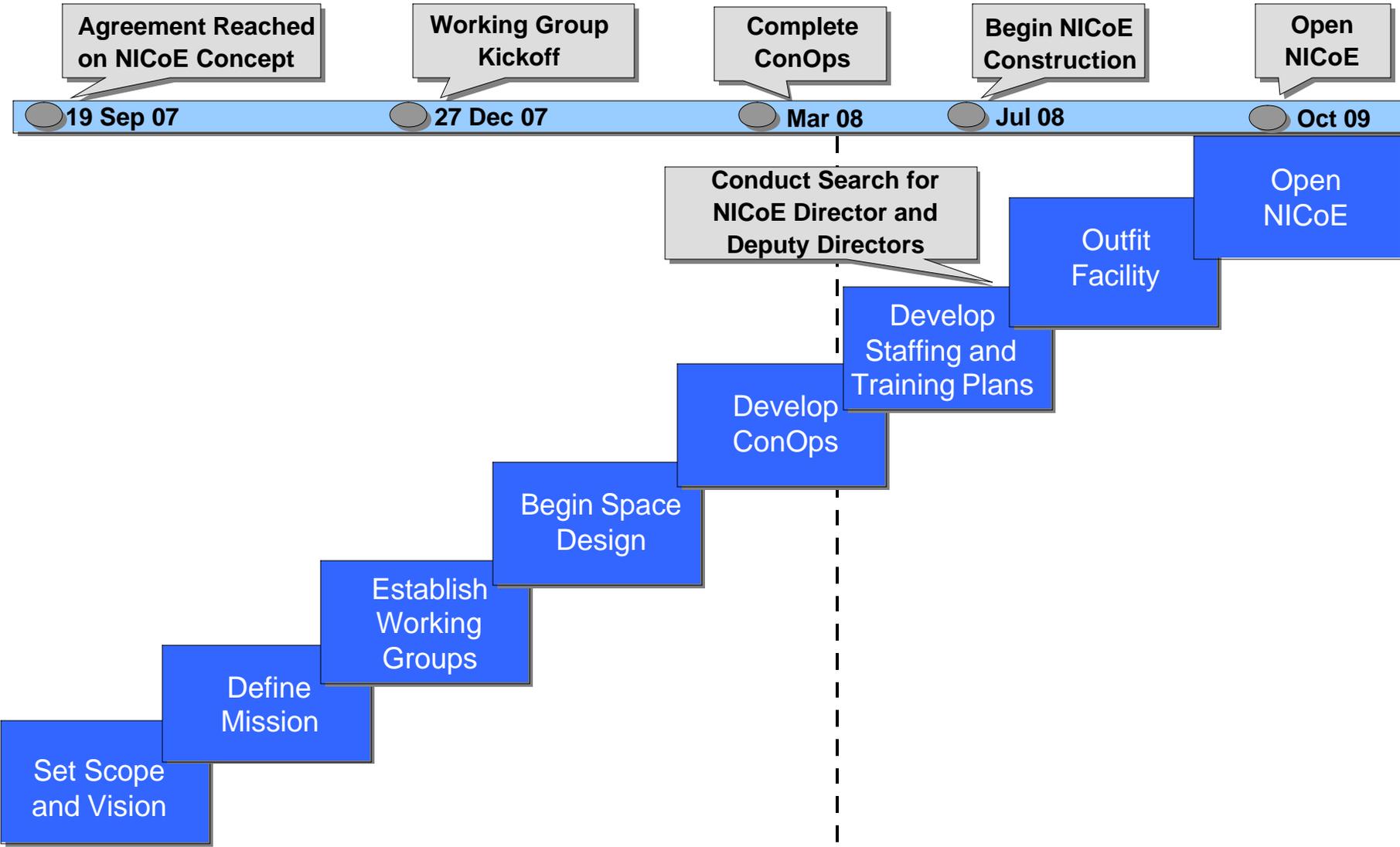
NICoE Functional Organization



FOC	Budget	Staffing
Oct 09		Approx. 88



NICoE Program Development Overview





NICoE Working Group & Process

People

Family representatives, together with 30 leading clinicians, researchers, and administrators from various agencies, including:

- DoD
- VA
- NIH
- USUHS
- WRAMC
- NNMC
- SmithGroup

**Working
Together
to
Achieve
Results**

Process

- Determine Center specifications (space, equipment, department adjacencies)
- Develop the Concept of Operations including:
 - Consultation and Coordination
 - Comprehensive Evaluation
 - Individualized Treatment
 - Research
 - Training and Education
 - Telehealth/follow-up
- Provide feedback to SmithGroup on space program allocations
- Brief Mr. Fisher and Senior Leadership



Draft Products

SMITHGROUP
Architectural Firm

National Intrepid Center of Excellence
MMMC, Bethesda, MD
Draft Program
02.01.08 Rev.

Program Element	Area	Size	Notes
01 Lobby/Reception/Restroom	1,100	1,000	
02 Small Meeting	1,100	1,000	
03 Private Consult	1,100	1,000	
04 Patient / Family Lounge	1,100	1,000	

National Intrepid Center of Excellence

America is a Nation at war. Each day, our young men and women in uniform put their lives at risk to protect our country and to support the rights to freedom. These war fighters deserve the best possible care for injuries sustained while serving our country, whether on or off the battlefield.

War injuries, including blast-related Traumatic Brain Injury (TBI), have become "signature" injuries from the war on terror. The number of military deployments to a Psychological Health (PH), including post-traumatic stress disorder (PTSD), have also gained greater visibility in the public and private sectors.

However, little is known about these conditions, or how to properly diagnose and treat them. As a result, soldiers are not properly cared for post-deployment. Also, associated risks, like the military, and affected war fighters are often marginalized.

To address these issues, the Department of Defense (DoD) is creating the National Intrepid Center of Excellence (NICoE) to provide care, become a research institute of PH and TBI. The Walter Reed National Military Medical Center (WRNMMC) is the lead for the National Intrepid Center of Excellence (NICoE). The Psychological Health (PH) will be the lead of DoD efforts to provide the best capabilities to evaluate, diagnose and create treatment plans for war fighters who may be suffering from post-traumatic stress disorder, other psychological health issues, traumatic brain injury, or a combination. The Center will be a fully staffed and equipped to be the generator of the Intrepid Foundation and the Fisher family.

National Intrepid Center of Excellence for Traumatic Brain Injury and Psychological Health (NICoE)

Program Charter

NICoE Draft Equipment List*

Can Ops Category	General Category	Equipment needed	Total Cost Estimate
Business and Training	Media and Room	TVS	750
Business and Training	Multimedia	VTC equipment, projectors, screens, and network equipment	43,000
Business and Training Table			840,000
Business and Training Table			17,000
PH			22,213,000
PH			22,400,000
T			12,400,000
T			400,000
PH			25,000,000
T			175,700
T			440,000
T			22,000,000
T			121,200
T			110,750
T			24,000,000
T			200,000
T			100,000
PH Table			14,400,400
PH Table			22,000,000
PH Table			13,000,000
PH Table			16,000,000
PH Table			20,700
T			750
PH Table			10,700
T Total			10,450,240

National Intrepid Center of Excellence for Traumatic Brain Injury and Psychological Health (NICoE)

Concept of Operations (Draft)

Version 1.15 DRA FT

March 21, 2008

Keeping the faith with America's War

Building/Space Design Outputs

- ✓ Space Plan
- ✓ Equipment Plan
- ✓ Floor Plan
- ✓ NICoE Building Design

Operational Outputs

- ✓ Project Schedule
- ✓ Information Paper
- ✓ Functional Process Flows
- ✓ Concept of Operations
- ✓ NICoE Charter



NICoE Building Design



Building Characteristics

- Approximately 80,000 Sq Ft
- 2 stories
- Replacing building 12 directly across from the front door of the hospital
- Opens October 09





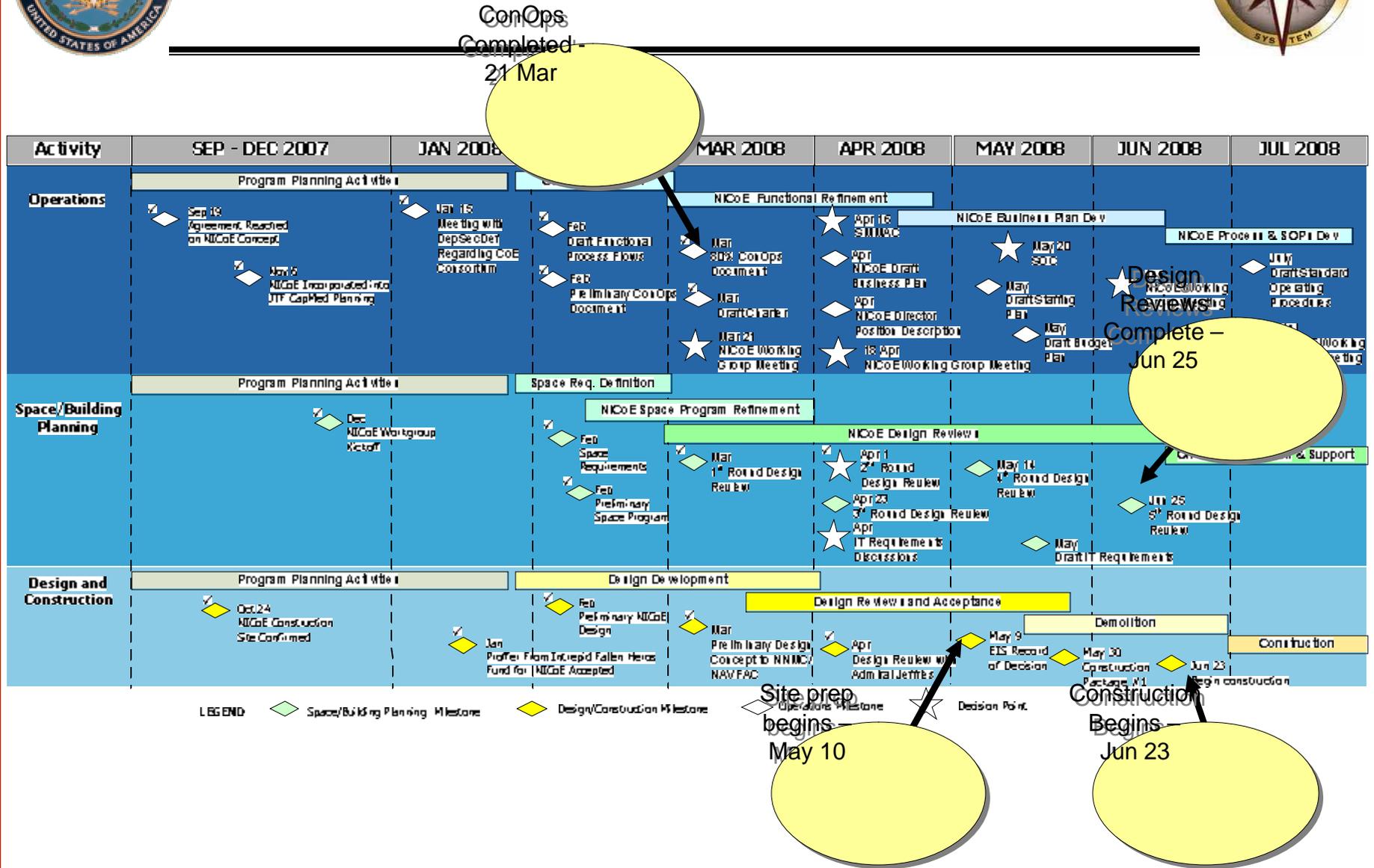
NICoE Fact Sheet



- **Location:** NNMC, Bethesda, MD
- **Lot Size:** Approx. 3 AC
- **Building Size:** 80,000 SF
- **Number of Stories:** 2
- **Number of Personnel:** 88 (estimated)
- **Functions:**
 - Case Management/Telehealth
 - Advanced Neuroimaging
 - Neurology
 - Neuropsychology/Behavioral Health
 - Research
 - Physical Therapy/Occupational Therapy
 - Education and Training
 - Cognitive Therapy
 - Clinical Pharmacy
- **Major Diagnostic / Rehabilitation Equipment:**
 - CAREN (Computer Assisted Rehabilitation Environment) system
 - Positron Emission Tomography with Computed Tomography (PET/CT)
 - Trans-Cranial Doppler Ultrasound
 - Magnetoencephalography (MEG) Scanner
 - Fluoroscopy
- **Evaluation and Treatment Facilities:**
 - Occupational Therapy Gym
 - Gait Lab
 - Outdoor Rehabilitation
 - Vocational Rehabilitation
 - Vehicle Simulator
 - Virtual Reality Lab
 - Activities of Daily Living Lab
 - Speech, Hearing, and Sight
- **Patient & Family Amenities:**
 - Family Lounge
 - Café
 - Activity Center
 - Basketball Court
- **Conference Facilities:**
 - Auditorium
 - Media Digital Imaging, Video Editing (DIVE) Room
- **Electrical System:** Approx. 2,500 KVa system with 1,500 KW Emergency Load
- **Credentials:** LEED Silver certified



NICoE Milestones





DCoE/NICoE Program Summary and Discussion



DCoE Summary

- On track to be 80% operational by Oct 08
- Clear understanding of:
 - ✓ How the DCoE program operates
 - ✓ Staffing Requirements
 - ✓ Concept of Operations
 - ✓ Budget

NICoE Summary

- On track to deliver a first-class capability
- Clear understanding of:
 - ✓ NICoE Mission support of PH/TBI Initiatives
 - ✓ The facilities and equipment needed
 - ✓ How the NICoE program will operate
 - ✓ How NICoE will be staffed



Way Ahead

National Intrepid Center of Excellence
Funded by the Intrepid Fallen Heroes Fund, whose patriotic generosity made possible the Center for the Intrepid

REAL WARRIORS. 

REAL BATTLES. 

REAL STRENGTH. 

National Intrepid
Center of Excellence



Resilience. Recovery. Reintegration.