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ISAF HEADQUARTERS

Kabul, Afghanistan



ISAF OVERVIEW BRIEF

MHS Conference

January 2011

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OUTLINE



I. Theater and Organizational Constructs

II. ISAF Campaign Plan and Theater Health Strategy

III. CJMED Lines of Operation

A. Care for the Coalition

B. Enable ANSF Health System Development

C. Support Health Sector Development

IV. ISAF Health Sector Engagement Focus, 2011

V. Questions / Discussion



ISAF CAMPAIGN DESIGN



Understand the Operational Environment

Strategic Communications

Protect the Population

Population safeguarded from violence, coercion, intimidation, and predatory groups

Support Development of ANSF

ANSF leading in population security, and law enforcement serving the Afghan people

Neutralize Insurgent Networks

Insurgents neutralized to a level with which ANSF can deal; insurgent ranks substantially reduced by reintegration and reconciliation; cross-border movement of insurgents / explosives reduced significantly; extremist safe havens in Afghanistan denied

Neutralize Criminal Patronage Networks

CPN threats to GIRoA capacity, Afghan rule of law, and the ISAF/IC mission reduced to a manageable level

Support Development of Legitimate Governance

Governance sufficiently inclusive, accountable, and acceptable to the people

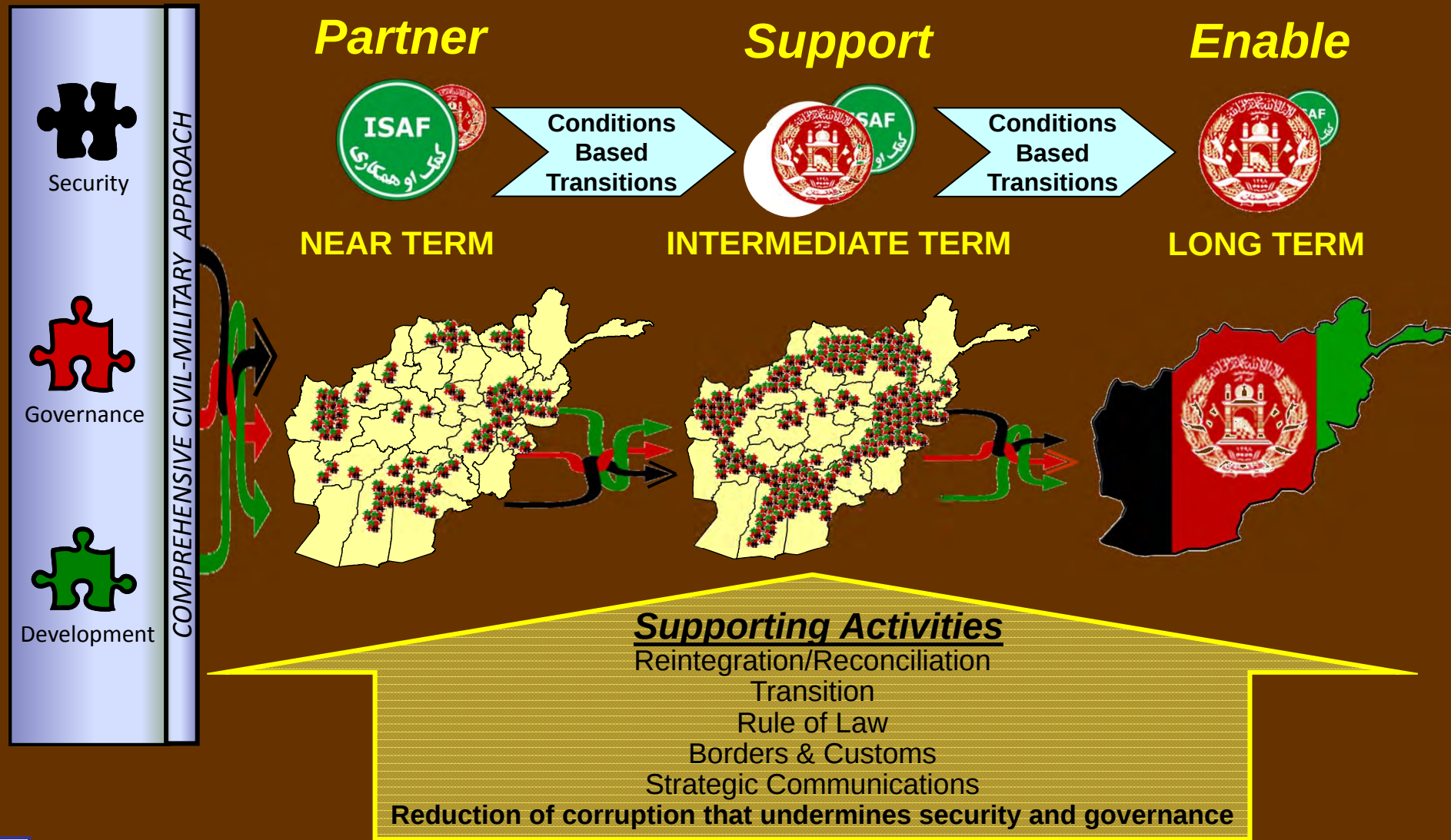
Support Sustainable Socio-Economic Development

Licit economy expanding; IC economic support channeled through GIRoA ministries





JOINT CAMPAIGN PLAN DESIGN





BUILDING TO MEDICAL TRANSITION (ISAF MEDICAL LINES OF OPERATION)



TRANSITION

GIROA Capable of Assuming and Sustaining Execution of Medical Operations

CARE FOR THE COALITION

- Sustain Theater Public Health Services
- Provide Medical Care (Including Evacuation)

ASSESSMENT:

Force Health Protection

ENABLE ANSF HEALTH SYSTEM DEVELOPMENT

- Develop Afghan Vision for ANSF
- Provide Effective Advisors and Partners Across ANP / ANA

ASSESSMENT:

An Effective and Sustainable ANSF

SUPPORT CIVIL HEALTH SECTOR DEVELOPMENT

- Improve Coalition Effectiveness and Coordination of Resources
- Provide Clear Guidance to Coalition
- Increase Overall Resources Applied to Determinants of Health (CERP, Donors)

ASSESSMENT:

Improved Public Health

BUILDING THE MEDICAL "HOUSE" OVERALL ASSESSMENT:

Theater Medical Campaign

FOUNDATIONAL PRINCIPLES

(Success depends on a solid foundational "Mix")

Governance

Development

Nutrition

Clean Water

Security

Education / Literacy

Sanitation

OPERATIONAL BATTLE SPACE





LINE OF OPERATION #1

Care for the Coalition



- Capability
- Advances in Care
 - JTTR Data
 - TCCC
 - JTTS - 32 CPGs
 - Worldwide Grand Rounds
- MEDEVAC
- STRATEVAC
- mTBI: Concussion protocol and recovery centers

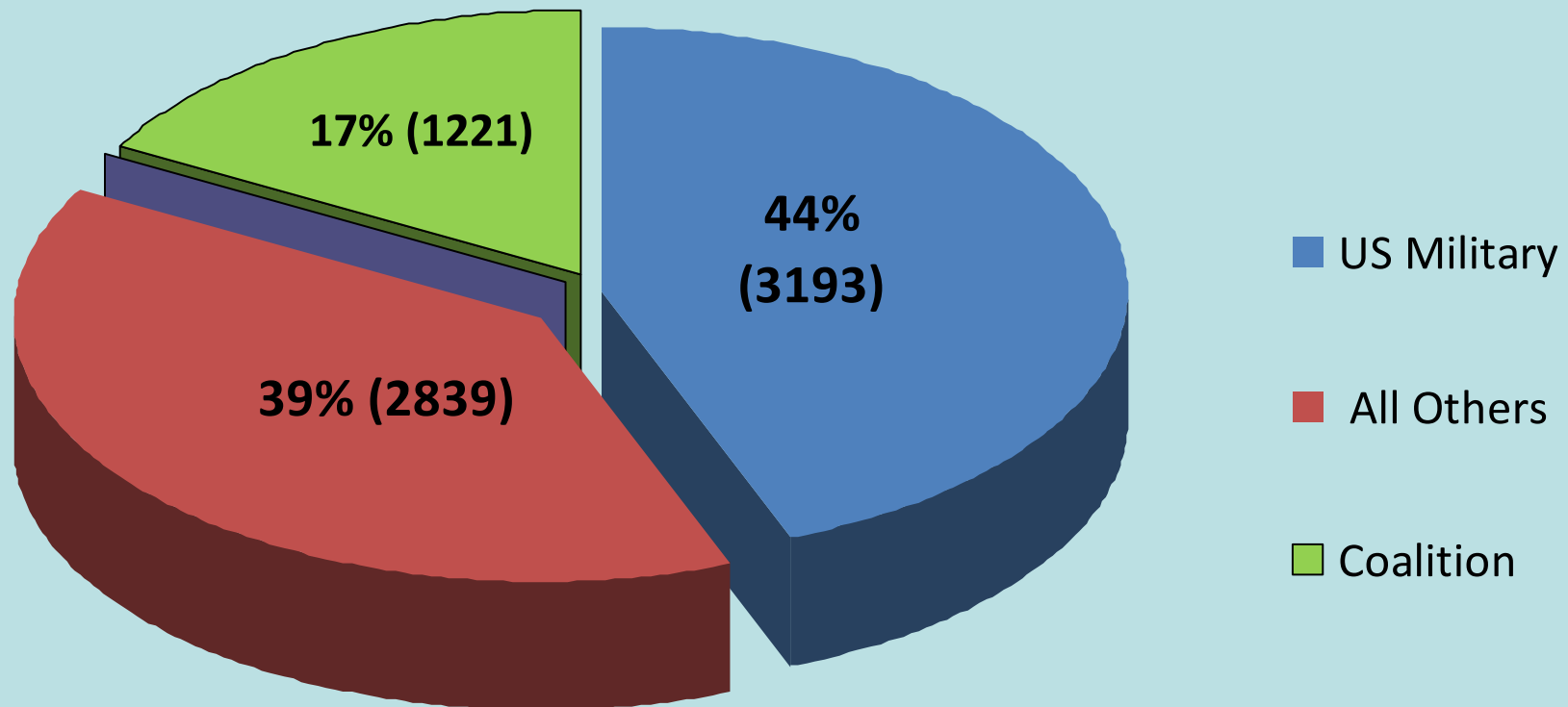




OEF ADMISSIONS



Total Admissions (n=7254)



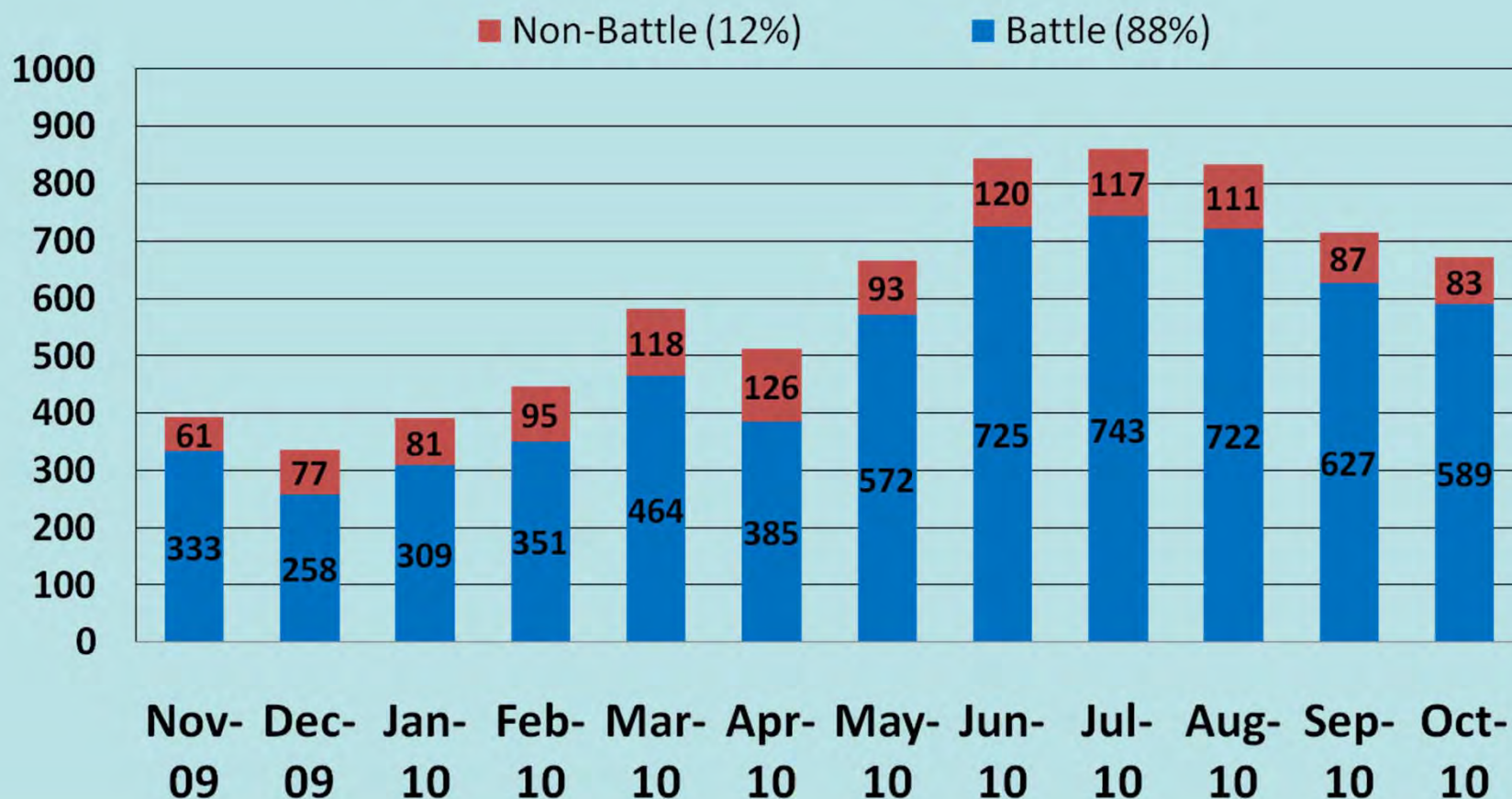
Rolling 12 months: Nov 09 – Oct 10



OEF BATTLE V. NON-BATTLE INJURY (1-Year)

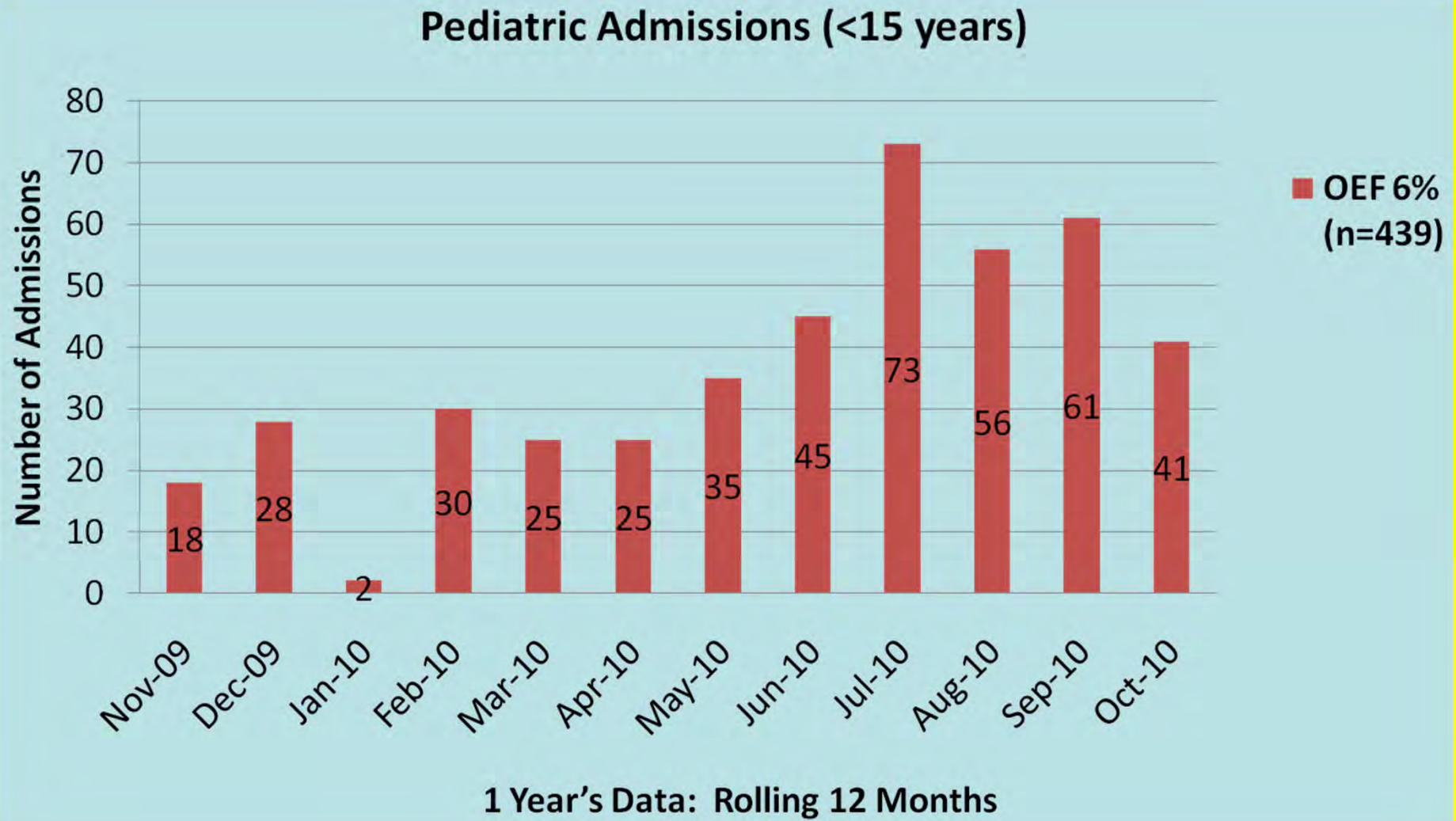


OEF Battle vs. Non-Battle Injury – 1 Year





PEDIATRIC ADMISSIONS (<15 Years)

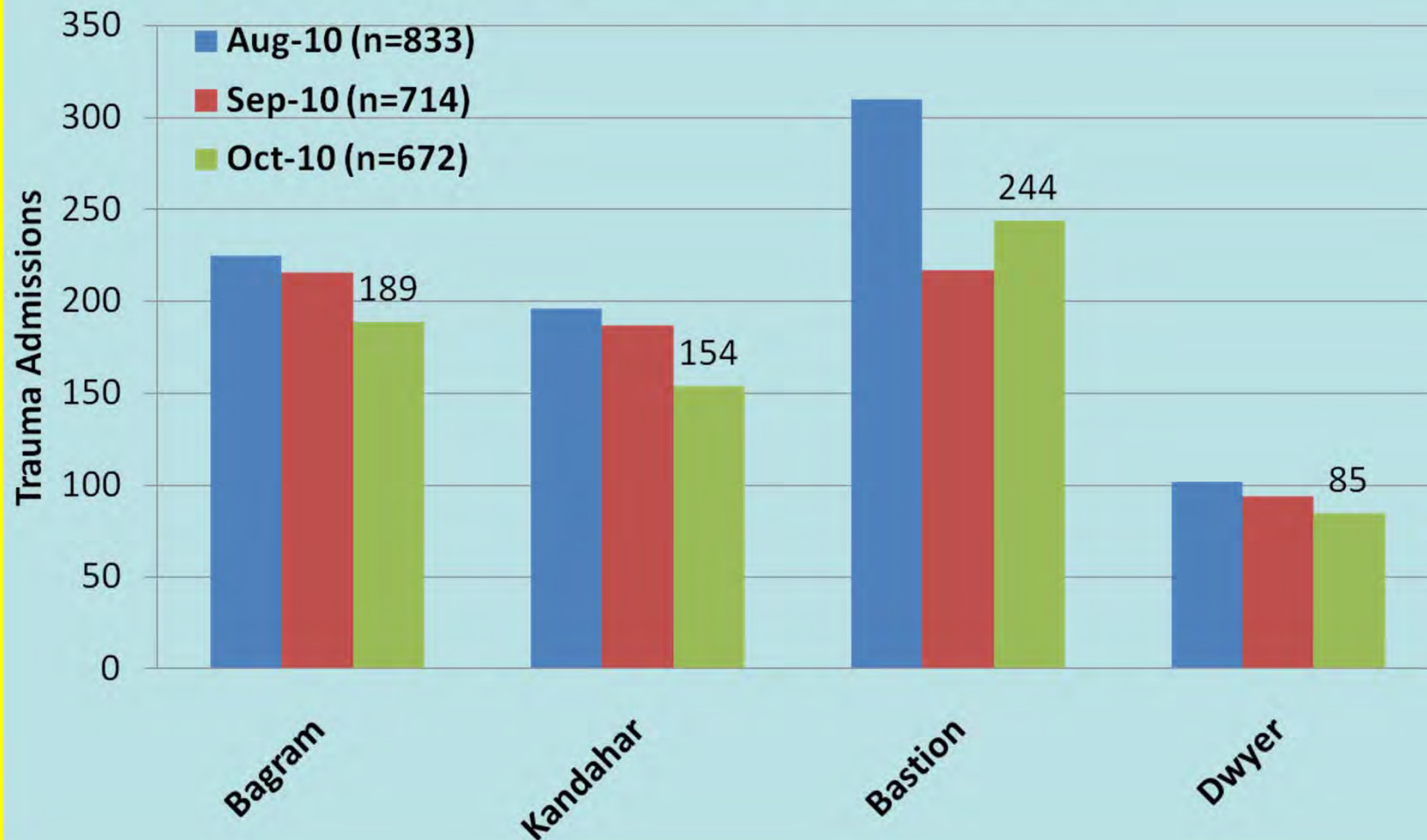




MONTHLY TRAUMA ADMISSIONS (By Facility)



Admissions: 3-Month Snap Shot

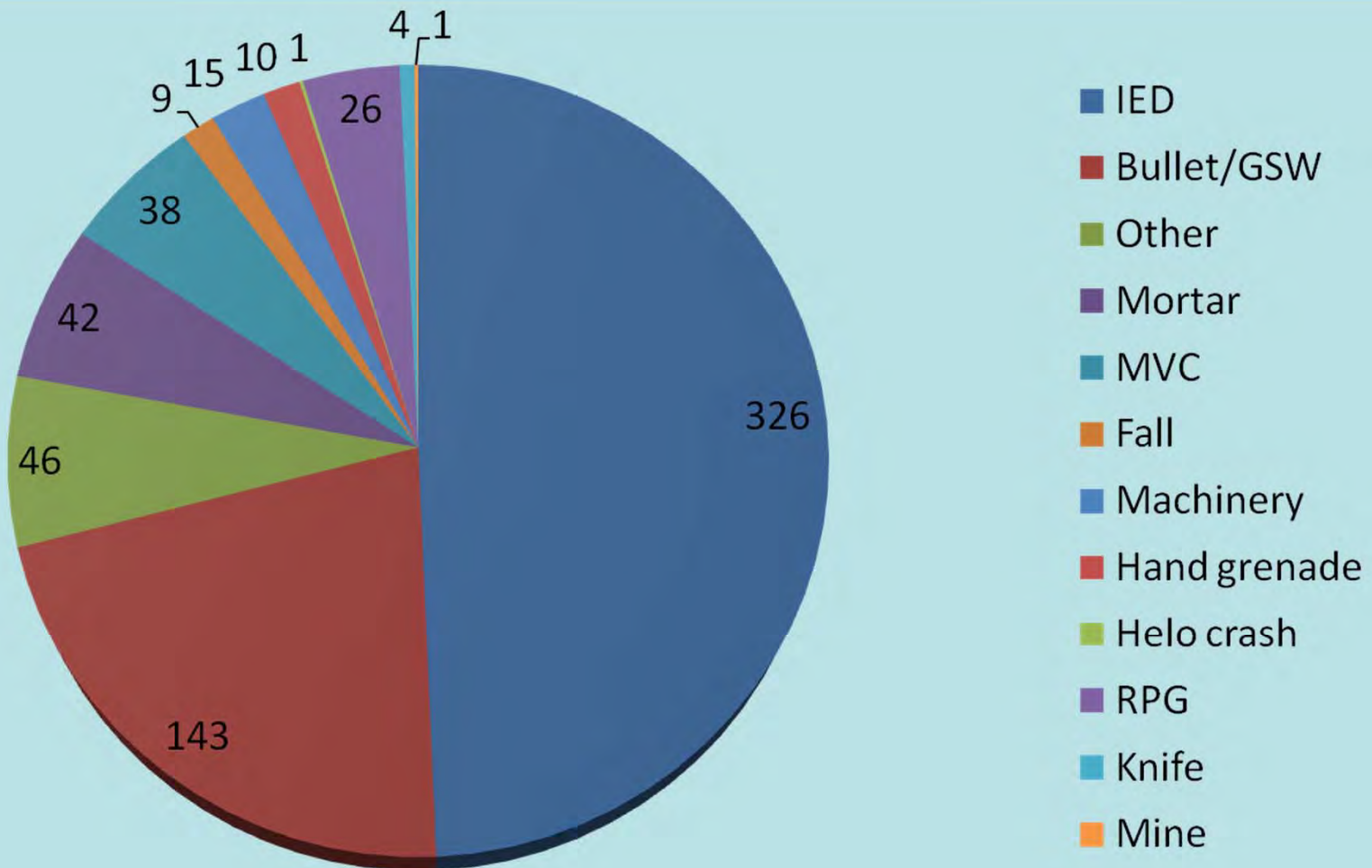




CAUSE OF INJURY (October 2010)



N= 715



**Includes both battle and non-battle injury*





TACTICAL COMBAT CASUALTY CARE (TC3)



- Battlefied trauma care is different than civilian trauma care
- TC3 focuses on preventable causes of death
 - **Bleeding**
 - **Pneumothorax**
 - **Airway Obstruction**
- CLS Training is being incorporated into all initial entry training

Care under fire:
Combat Lifesaver,
Corpsmen or Medic



Protect self & casualty
Stop major bleeding
Move casualty to cover

Tactical Field Care



Rapid trauma
assessment
Treat preventable causes
of death
Stabilize and prepare for
evacuation

Combat Casualty
Evacuation Care



Stabilization and
treatment (dependant on
evacuation mode)



Goals of TC3:

***Treat the casualty.
Prevent additional
casualties.
Complete the
mission.***



JOINT THEATER TRAUMA SYSTEM



- Institute of Surgical Research Clinical Practice Guidelines
- Weekly World-Wide Grand Rounds

Joint Theater Trauma System Clinical Practice Guideline

Management of Pain, Anxiety and Delirium in Injured Warfighters

Original Release/Approval:	23 Nov 2010	Note: This CPG requires an annual review.
Reviewed:	Oct 2010	Approved: 22 Nov 2010
Supersedes:	This is a new CPG and must be reviewed in its entirety.	
☐ Minor Changes (or)	☐ Changes are substantial and require a thorough reading of this CPG (or)	
☐ Significant Changes		

- Goal.** To provide an evidenced based framework for the management of pain, anxiety and delirium in injured combat casualties. To provide state of the art pain services to combat casualties and to reduce the incidence of chronic pain syndromes, PTSD and chronic narcotic dependency.
- Background.**
 - Pain is universally present in combat casualties. Adequate early pain control has been

Joint Theater Trauma System Clinical Practice Guideline

AMPUTATION

Original Release/Approval:	1 Mar 2010	Note: This CPG requires an annual review.
Reviewed:	Feb 2010	Approved: 1 Mar 2010
Supersedes:	This is a new CPG and must be reviewed in its entirety.	
☐ Minor Changes (or)	☐ Changes are substantial and require a thorough reading of this CPG (or)	
☐ Significant Changes		

- Goal.** To provide standardization of care for the performance of wound management and life saving amputations that will provide maximum limb length preservation, promote healing of viable tissues, and facilitate optimal rehabilitative function.
- Background.** The notion of the "zone of injury" is dependent upon the mechanism of injury i.e. blast, gunshot and crush injuries, as well as co-morbidities and physiologic status of the

Joint Theater Trauma System Clinical Practice Guideline

MANAGEMENT OF PATIENTS WITH CATASTROPHIC, NON-SURVIVABLE HEAD INJURY

Original Release/Approval:	1 Mar 2010	Note: This CPG requires an annual review.
Reviewed:	Feb 10	Approved: 1 Mar 2010
Supersedes:	This is a new CPG and must be reviewed in its entirety.	
☐ Minor Changes (or)	☐ Changes are substantial and require a thorough reading of this CPG (or)	
☐ Significant Changes		

- Goal.** Provide useful guidelines for the management of casualties with catastrophic, non-survivable head injury at Level II and Level III facilities.
- Background.**
 - Catastrophic head injury, for the purpose of this guideline, is defined as any head injury that is expected after imaging evaluation and /or clinical exam to result in the permanent loss of all brain function above the brain stem level. **NOTE: For patients with potentially survivable but severe Traumatic Brain Injury, refer to CENTCOM JTTS CPG, Management of Patients with Severe Head Trauma.**
 - The intent of this guideline is to provide clinically useful recommendations that will allow providers at all echelons who encounter these injuries to optimize the opportunity for these patients to be transported safely and appropriately to the next echelon of care.
 - It is not the purpose of this guideline to address the complexities of brain death.

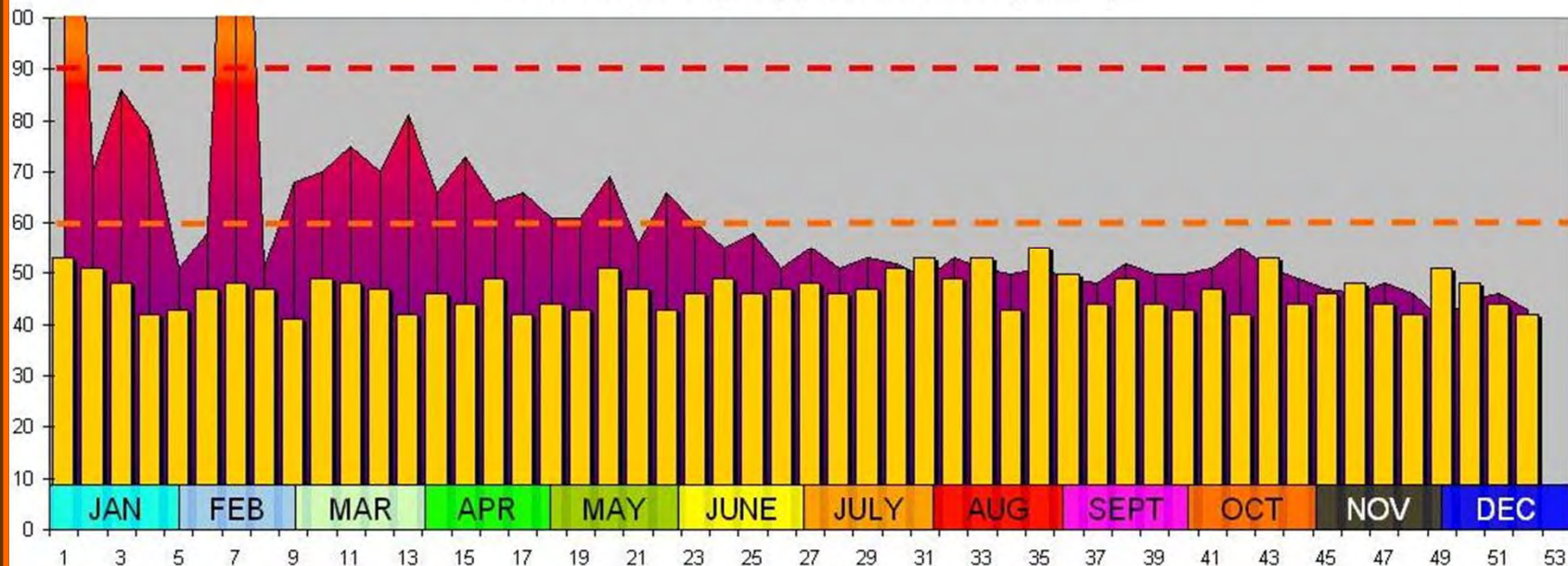




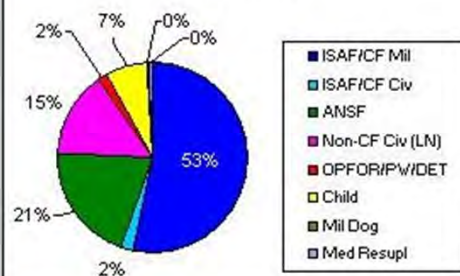
MEDEVAC PERFORMANCE



Average Flight Time (in Minutes)
for Missions with "Urgent (A)" Patients in 2010 (vs. 2009)



MEDEVAC PATIENT CATEGORY
2010 YTD



MEDEVAC PRECEDENCE
2010 YTD



MEDEVAC FLT TIME
2010 YTD







Trauma Bay

2010

US Mil	857
Coalition	209
ANA/ANP	257
Afghan LN	497
Detainee	72
Contractor	65









STRATEVAC

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CURRENT STRATEVAC CONOPS

Tactical Air MEDEVAC

Strategic Air MEDEVAC

Landstuhl GE

BAGRAM

Herat

Shindand

Farah

HTF BASTION

Lashkar Gah

Kandahar

DWYER

KANDAHAR

Mazar -E Sharif

Sheburgan

Maimana

Konduz

Feyzabad

Bagram

Kabul

Bari Kowt

Nangalam

Asadabad

Jalalabad

Peshawar

Parachinar

Islamabad

Khovst

Orgun -E

Lwara

Wana

Tarin Kowt

Qalat

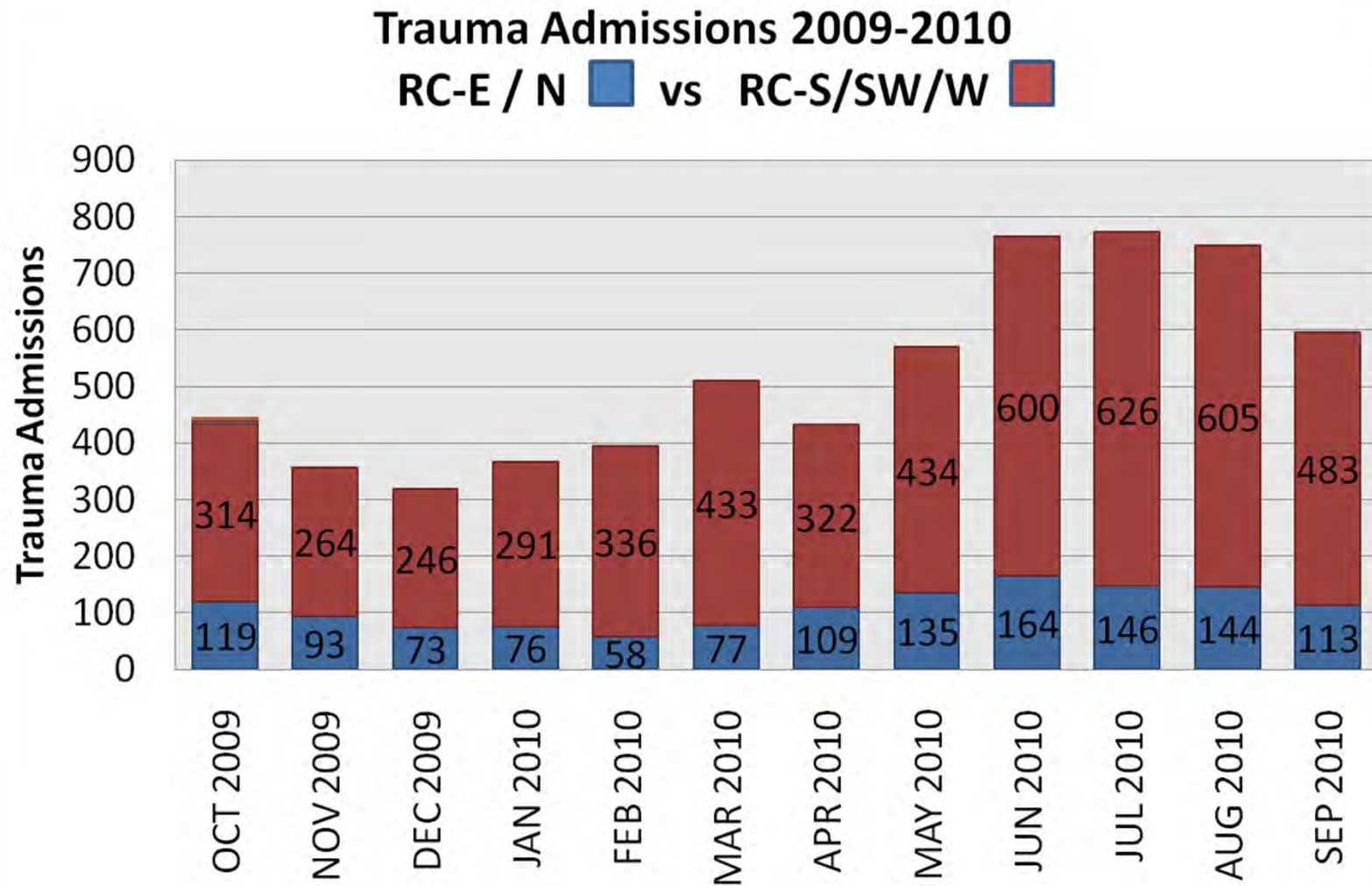
Chaman

Quetta

- "PATIENT DEPENDANT " MOVEMENT
- DIRECT FLIGHTS BASED ON PATIENT PRIORITY
- MAJORITY OF PATIENTS MOVE THROUGH BAF
- PATIENTS MAY MOVE THROUGH ONE OR MORE LOCATIONS BEFORE ARRIVAL AT LRMC



TRAUMA ADMISSIONS (2009-2010)



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PROPOSED STRATEVAC CONOPS

Tactical Air MEDEVAC

Strategic Air MEDEVAC

Landstuhl GE

Landstuhl GE

BAGRAM



Herat

Shindand

HTF BASTION



Lashkar Gah

DWYER



Kandahar

KANDAHAR

- PATIENT DEPENDANT MOVEMENT
- RC (SW) & RC(W) REGULATED TO RC (S)/KAF
- SOME FLIGHTS TO BAF FOR CLINICAL SPECIALITIES
- PATIENTS HAVE LESS MOVEMENT THROUGH LOCATIONS BEFORE ARRIVING AT LANDSTUHL

Mazar -E Sharif

Konduz

Feyzabad

Maimana

Bagram

Kabul

Bari Kowt

Nangalam

Asadabad

Jalalabad

Peshawar

Parachinar

Islamabad

Ghazni

Gardez

Khawst

Orgun -E

Lwara

Wana

Qalat

Tarin Kowt

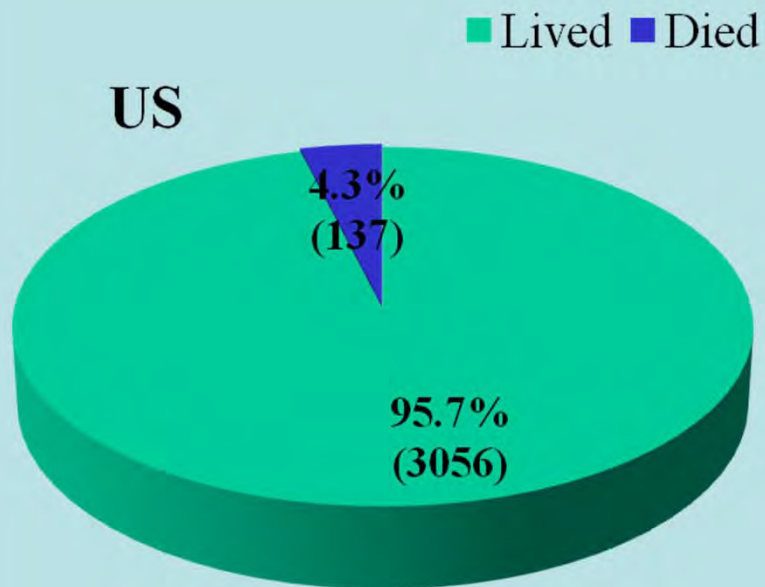
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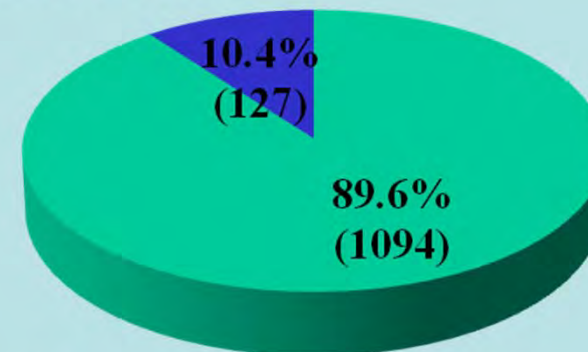
Jacobabad



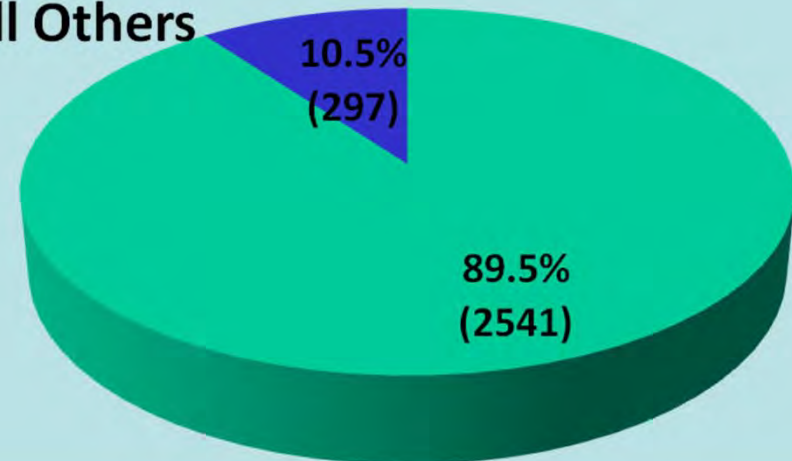
OEF IN-THEATER SURVIVAL



Coalition



All Others



Level III Discharge Status
1- Year's Data: Nov 09 – Oct 10



CONCUSSION CARE (mTBI Initiative)



Pre-Role I / Role I

FACILITIES	• 5 increasing to 8 rest centers (RC-E, RC-S, RC-SW) • Core staffing: OT, OT Tech • Supported by unit PA / provider
MISSION	• Facilitate rest in a controlled environment • Early ID of Red Flags • Appropriate symptomatic management • Appropriate referrals to higher level care
CHALLENGES	• Ensure appropriate medical oversight of soldiers/sailors at rest centers • Continuity of medical care • Timely assessment / feedback regarding care
BEST PRACTICES	• Active Surgeon involvement • ADOBE Connect sessions between Role I and Role II providers • Open lines of communication with neurologist



CONCUSSION CARE (mTBI Initiative)



Role III

BAF (RC-E)

KAF (RC-S)

LNK / Bastion
(RC-SW)

FACILITIES (RC-E)	• Recurrent concussion evaluation and management • Tertiary neurology care		• Concussion Restoration Care Center (CRCC)
MISSION	• Neurologist • Neuropsychologist • PT • NCO • Post concussion quarters	• Neurologist • Neuropsychologist • OT / OT tech • PT / PT tech • Family medicine • LNO for quarters	• Sports medicine • Psychiatrist (inpatient LNO) • Family medicine • Psychologist • Nurse • OT / PT • 0.5 FTE FM (data entry) • 5 x corpsmen • Rely on CASF / step-down unit
BEST PRACTICES	• Near daily multi-disciplinary rounds • SNCO involvement	• OT military specific functional assessment (warrior tasks)	• Inpatient liaison • Data capture • Corpsmen on team



LINE OF OPERATION #2

Enable ANSF Health System Development



- Afghanistan National Army (ANA)
- Afghanistan National Police (ANP)



MTAG FUNCTIONS AND KEY INITIATIVES



- Leader Development – Advise the ANSF Surgeons General on matters of leadership and policy development.
- Clinical Advising – Develop Critical Warfighter Medical Capabilities: Preventive Medicine, Trauma Surgery, Emergency Medicine, Intensive Care, Physical Therapy/Rehabilitation.
- Standard of Care Development - Elevate Standards of Care through daily advising to healthcare workers and the healthcare leadership.
 - Formalize Standard of Care policies and procedures.
- Military Medical Training:
 - Combat Medics/Trauma Assistance Personnel
 - Nurses
 - Doctors
 - Allied Health and Technicians (Lab, Radiology, BioMed)
- Key Initiatives:
 - Preventive Medicine Tech
 - Physician Assistants (PA)





MTAG SUPPORTED KEY INSTITUTIONS

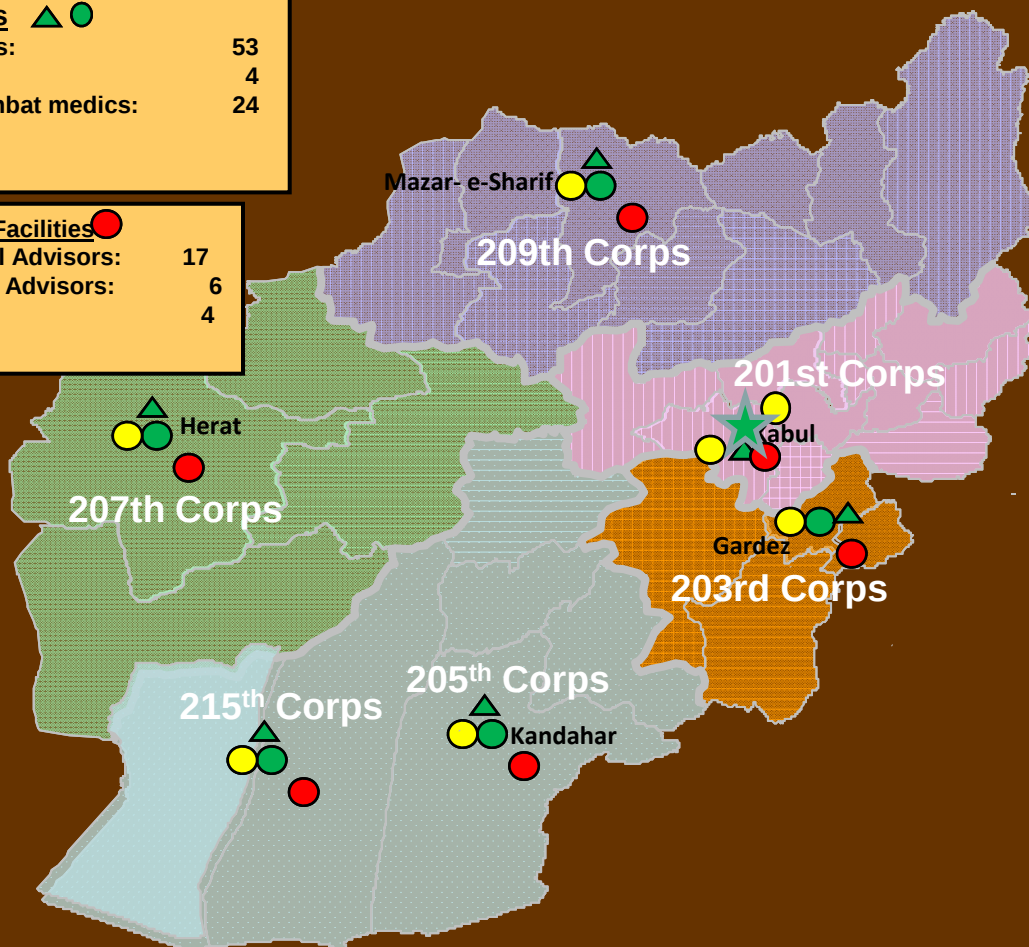


Regional ANA Hospitals and Depots

Hospital ETTs:	53
DynCorp:	4
Regional combat medics:	24

ANP Medical Facilities

MTAG Medical Advisors:	17
Regional ANP Advisors:	6
MPRI:	4



Kabul

National Military Hospital:	25
AHPI:	4
MTAG Staff & Advisors:	22
MEDCOM Warehouse:	2
DynCorp:	8
CJSOR (French)	10

MTAG Training Courses

2 week courses

Combat Medic instructor *
Med Logistics *

8 week courses

Basic Officer Course *
Combat Medic *
NCO course *

52 week courses

Preventive Medicine
Biomedical Repair
Laboratory
Nursing
X-ray

PA start : 1 OCT

*Afghan Led As of 1 OCT

179 Advisors (68% fill) Throughout Afghanistan:

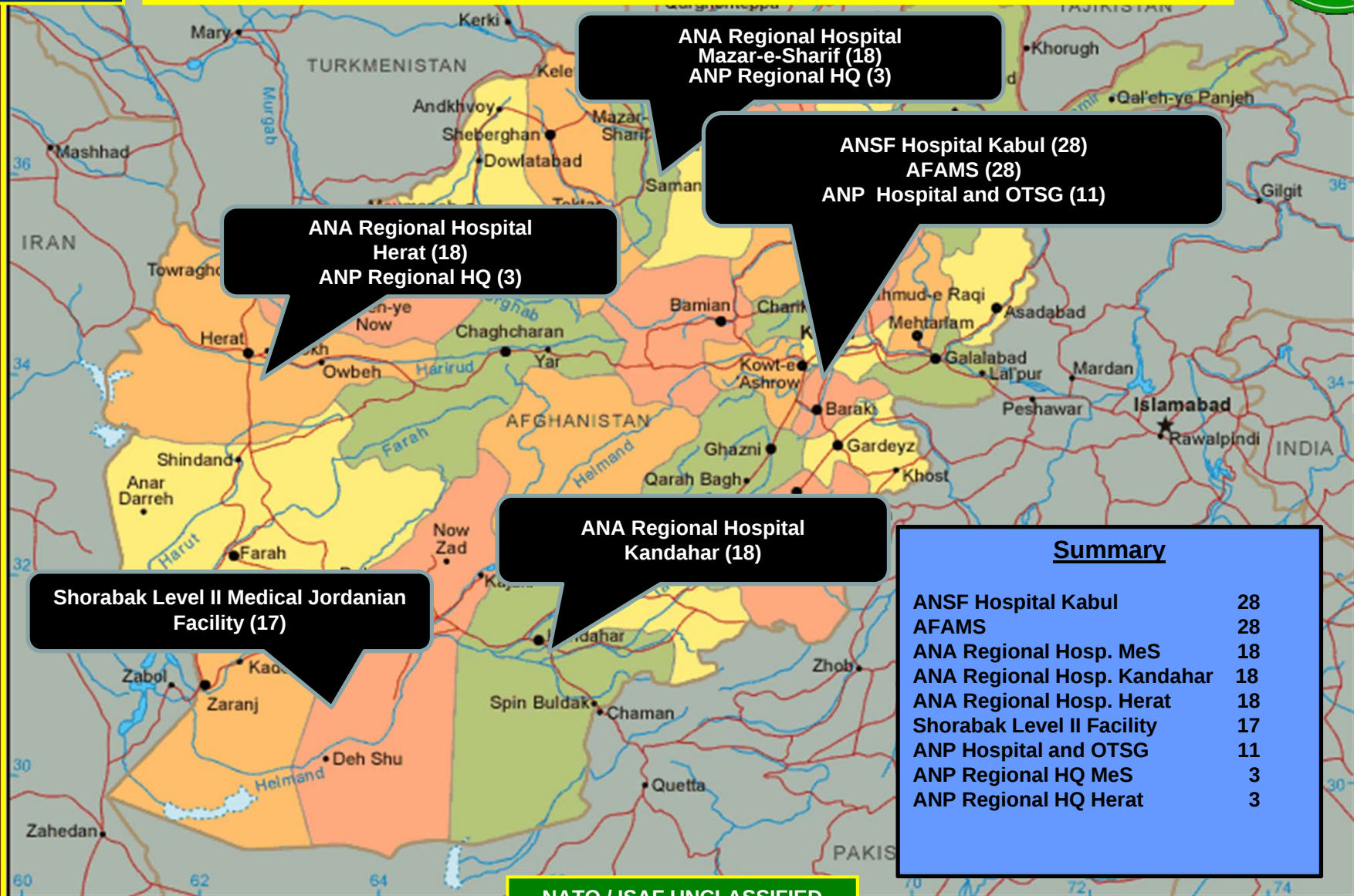




CJSOR: MTAG

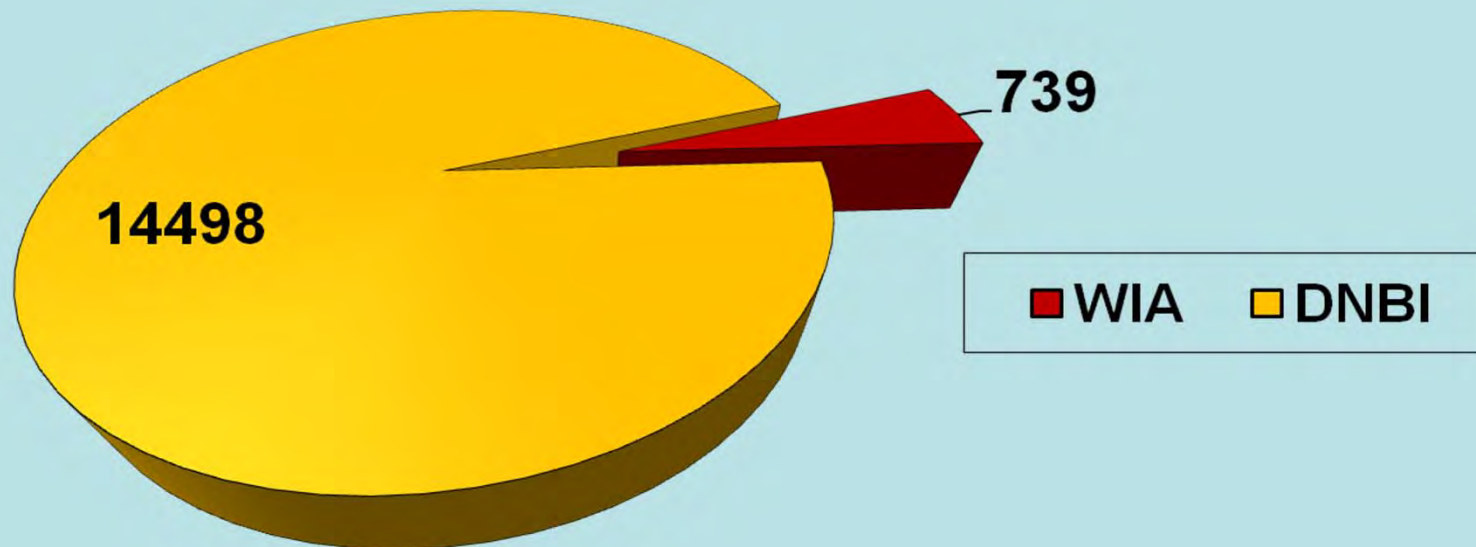
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ANA CASUALTIES

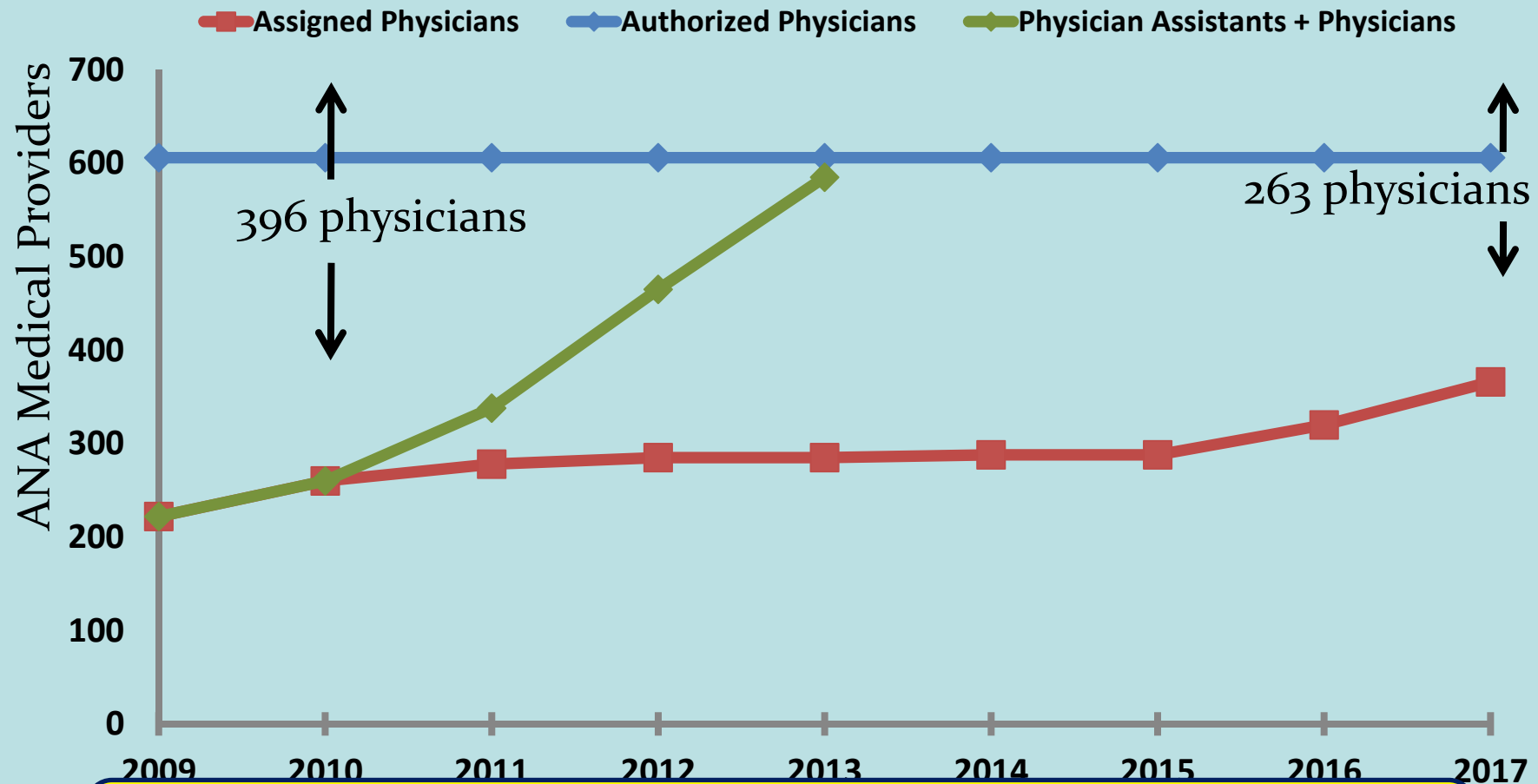


**~20 Disease, Non-Battle Injury (DNBI) casualties
for every 1 combat casualty**

**Preventive Medicine = Force Protection
Conserve the Fighting Force**



BRIDGING THE PROVIDER GAP



**PA Initiative Will Resolve Physician Shortage
7 Years Sooner**



NEW PA STUDENTS



Mentoring Eager Afghans





ANSF MEDICAL DEVELOPMENT



Challenges for Transition

- Attrition, Leader deficit, Literacy
- Shortage and distribution of physicians (56%) and nurses (25%) enterprise-wide
- Delegation of authority / accountability
- Medical logistics
- Need to define clear end-state
- Unfilled mentor requirements and problematic fit to fill process
- MoPH, MoHE, MOD, MOI coordination and sharing



LINE OF OPERATION #3

Support Civil Health Sector Development



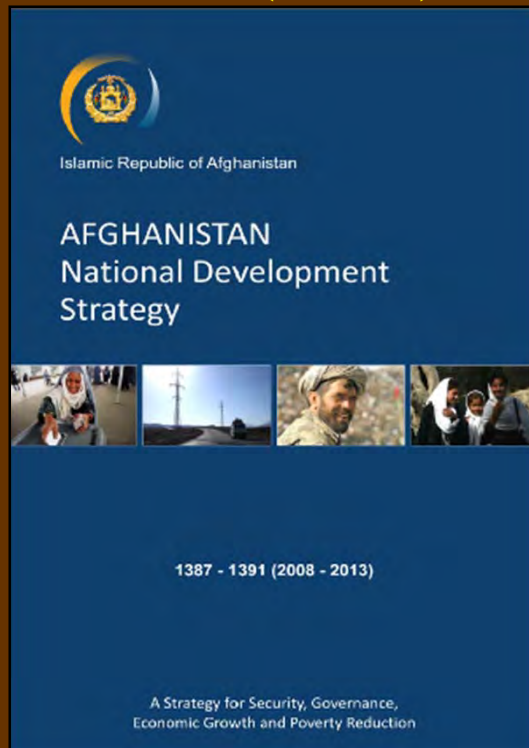
- Afghan Development Strategy
- ISAF Guidance
- Focus for 2011 Engagement



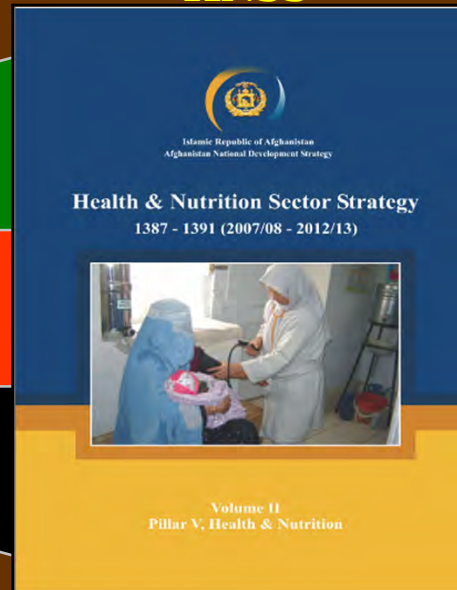
AFGHAN NATIONAL HEALTH POLICY



ANDS (MDGS)



HNSS



Implementing SOPs



**BPHS and EPHS
Comprise
Afghanistan's Entire
Referral System**



AFGHAN HEALTH AND NUTRITION STRATEGY



Health & Nutrition Sector Strategy Vol. 2

- Desired results (Health Indicators)
- Vision
- Goals
- Objectives
- Programs



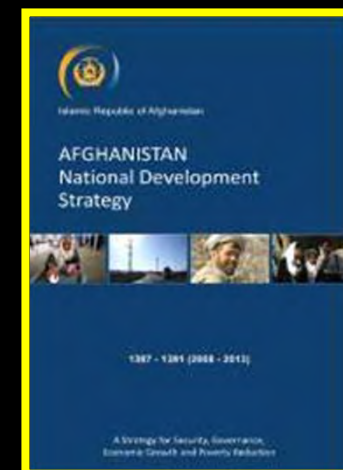
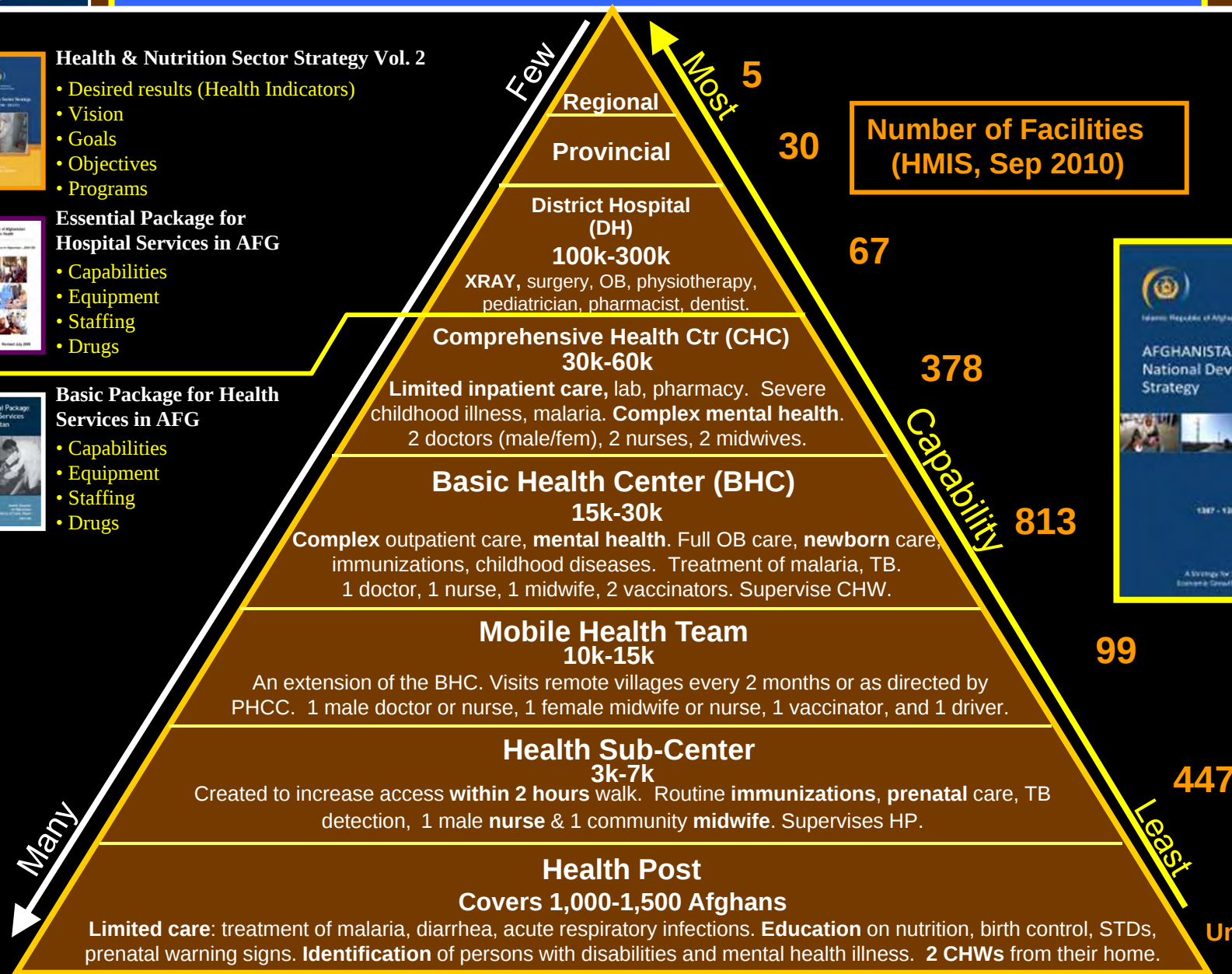
Essential Package for Hospital Services in AFG

- Capabilities
- Equipment
- Staffing
- Drugs



Basic Package for Health Services in AFG

- Capabilities
- Equipment
- Staffing
- Drugs





MoPH STRATEGY

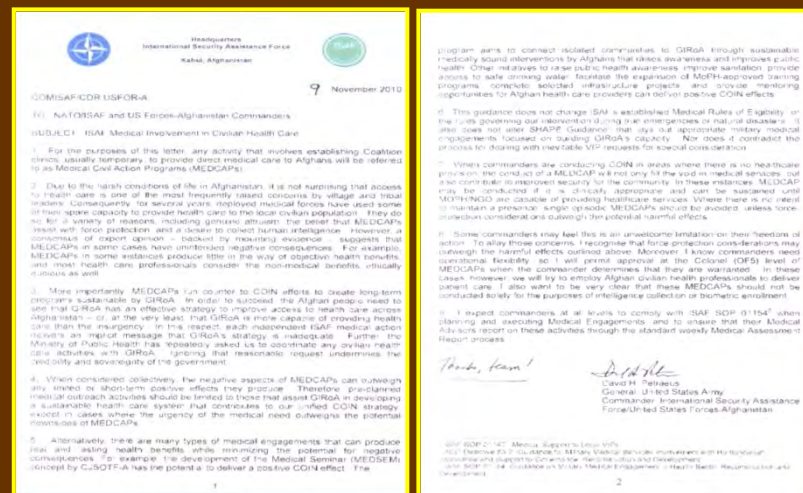
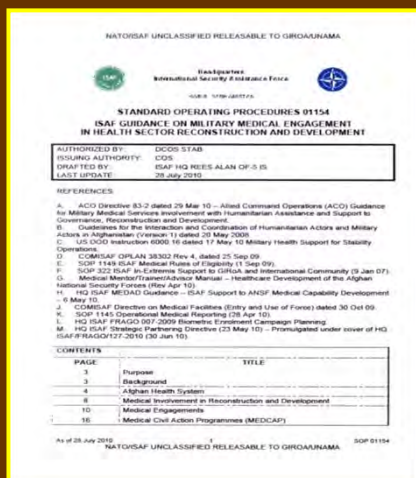


- Focused on reducing maternal and child mortality as the key element
- Delivers a basic, not comprehensive, health package (BPHS)
- Secondary care, but minimal tertiary care (EPHS), e.g., no publicly funded ICU capability
- NGOs contracted to provide BPHS throughout the country
- MoPH's role is steward of the health system (far from perfect, but it works)

ISAF
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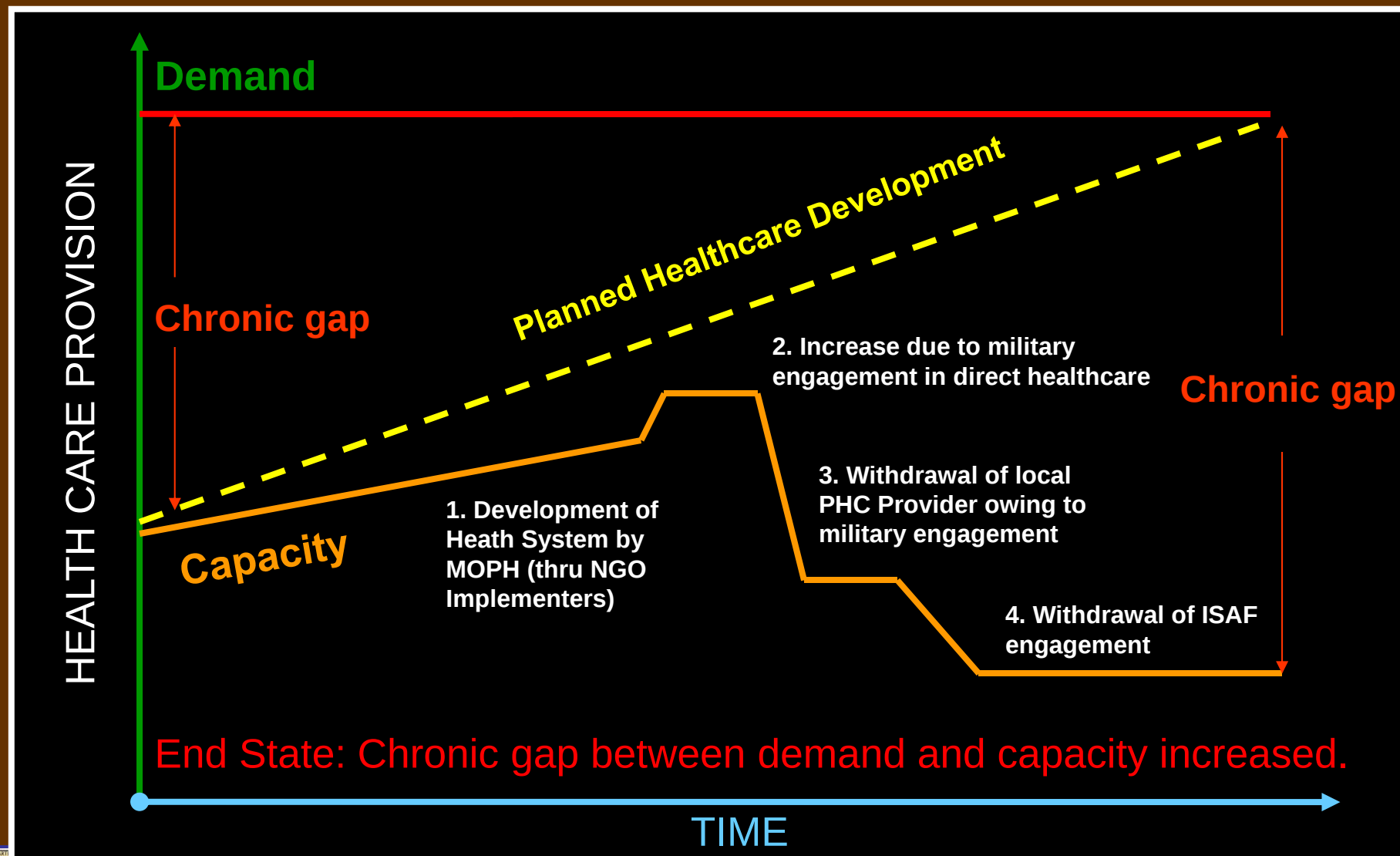


COMISAF DIRECTIVE, 09 NOV 10: ISAF Medical Involvement in Civilian Health Care





UNINTENDED CONSEQUENCES THE PERFECT STORM SCENARIO





Focus for ISAF Engagement 2011



EXISTING HEALTH FACILITIES COMPARED TO BPHS BENCHMARKS



Key Terrain Districts, 2010

Does Not Meet BPHS Standard

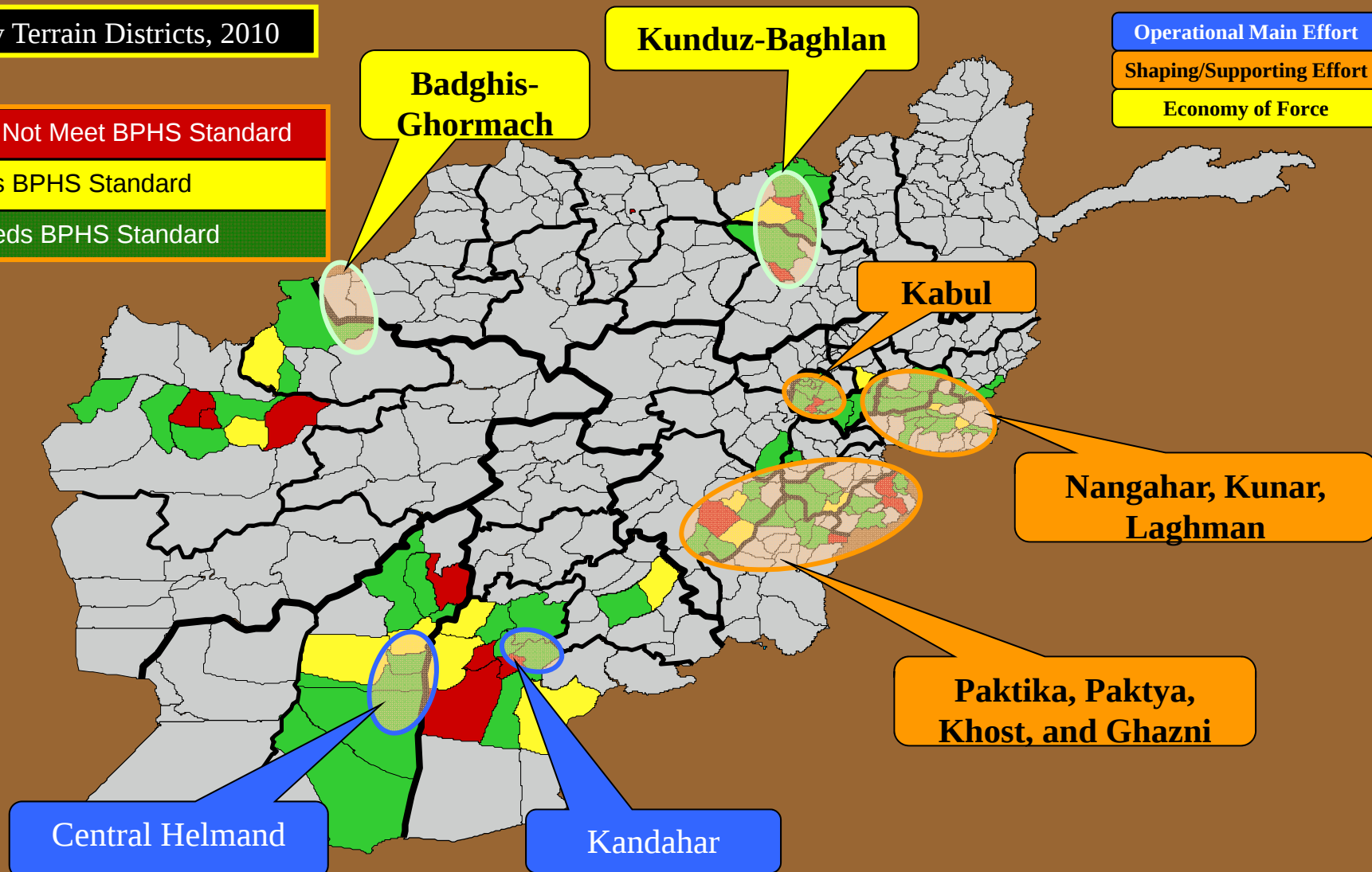
Meets BPHS Standard

Exceeds BPHS Standard

Operational Main Effort

Shaping/Supporting Effort

Economy of Force





HUMAN CAPACITY BUILDING



Civil Sector Mentoring/Training

- Agreed with MOPH and BPHS/EPHS implementer
- Do not conduct if civilians able to provide training
- Use only MOPH approved standards and curricula
- Focus on training the Afghan trainer

ANSF Mentoring/Training

- Main effort for spare capacity
- Pivotal to security sector reform
- Competent and self-sustained medical service capable of supporting independent ANSF operations
- Significant challenges: shortage of mentors, weak leadership





WIDER DETERMINANTS OF HEALTH



- Average life expectancy is 42 ((regional average (RA) is 64))
- 1 in 5 children will die before the age of 5 (RA is 1/11)
- Improving the wider determinants of health (clean water, sanitation, nutrition, and vector control) will enhance public health
- Access to safe drinking water is assessed at 27% (low: 5%; high: 56%)
- Access to adequate sanitation facilities (urban: 21%; rural: 1%)

Source: National Risk and Vulnerability Report 2007/08





PASSIVE SUPPORT TO POLIO ERADICATION CAMPAIGN



- Promulgate the national and sub-national immunization days to all regional commands
- Further FRAGO issued prior to each NID and SNID in order to 'de-conflict' where possible
- Joint USAID / WHO Brief to COMISAF 11 January 11 (tentative)



Guidance Provided

- Do not offer direct support
- Do not intervene
- Do not prevent or direct vaccination
- Distance themselves from the program
- Appreciate importance of the program



FINAL THOUGHTS



“It is better to let them do it themselves imperfectly than to do it yourself perfectly. It is their country, their way, and our time is short.”

- T E Lawrence

“When confronted with heartbreaking situations, we must choose the hard right rather than the easy wrong”

LTCs Rice and Jones, US Army



Questions?

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THEATER MEDICAL C2 OVERVIEW

