

# 2011 Military Health System Conference

## Medical Response to Haiti Earthquake

Operation Unified Response

*The Quadruple Aim: Working Together, Achieving Success*

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24 January 2011



# Report Documentation Page

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# Agenda

## Operation UNIFIED RESPONSE

- Background Info
- Mission
- Phases of Support
- Deployment Timeline
- Medical Missions
- International Response
- Lessons Learned





# ***Background Info***

Operation UNIFIED RESPONSE

- **Population: 9,035,536 (approximately 2 million in and around Port-Au-Prince)**
- **NGOs on the ground for many years, ~3000 in country**

**Unemployment rate: 65-70%**

**-- 80% population living under poverty line**

**-- 54% in abject poverty**

- **Military: Only small Coast Guard (no other forces)**

UNCLASSIFIED



# *Scope of Disaster*

Operation UNIFIED RESPONSE

- **A Magnitude 7.0 earthquake struck Haiti at 4:53 pm, Tues, Jan 12, 2010**
  - **230,000 Deaths\***
  - **197,000 Injured**
  - **1.1M Displaced People**
  - **3,000,000 Affected People**
  - **60% of government infrastructure destroyed**
  - **14 of 16 Ministry Headquarters destroyed**



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# ***Mission Overview***

Operation UNIFIED RESPONSE

**Mission:** JTF-H conducts humanitarian assistance/ disaster relief (HA/DR) operations to support USG efforts in Haiti to mitigate near-term human suffering and accelerate relief efforts to facilitate transition to Government of Haiti, United Nations, and USAID.



# *Phase I – Emergency Response*

Operation UNIFIED RESPONSE

- Immediate Life Saving
  - Search and Rescue
  - Care for AMCITS
  - Hospital Assessments
  - Medical CONOPS
  - RSO&I of Medical Personnel
  - Medevacs





# *Phase II – Relief*

Operation UNIFIED RESPONSE

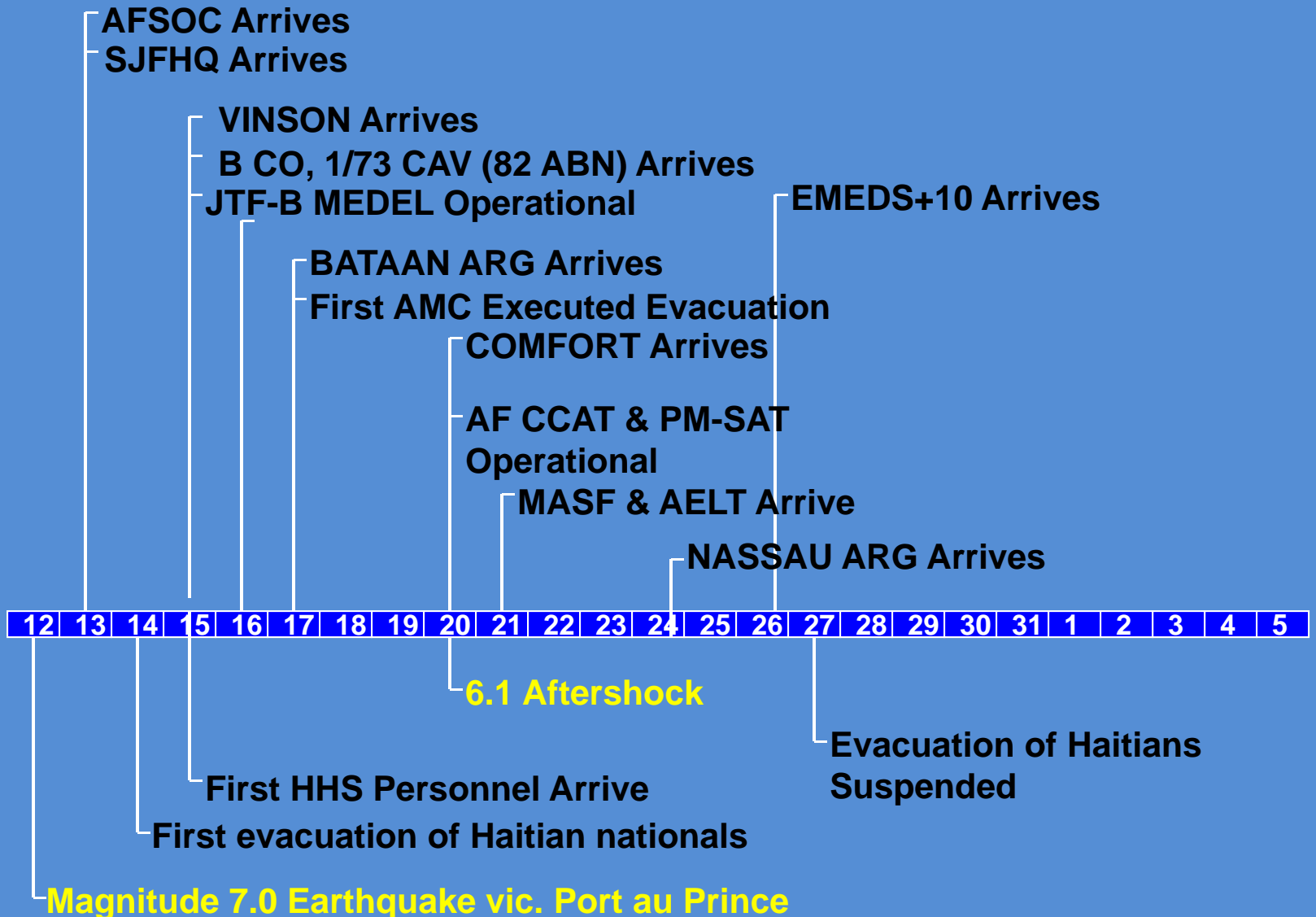
- Mitigate Suffering and Meet Basic Needs
  - Specialized surgical care
  - Med Log and blood support
  - Patient transfers off ship
  - Medevacs
  - Troop FHP





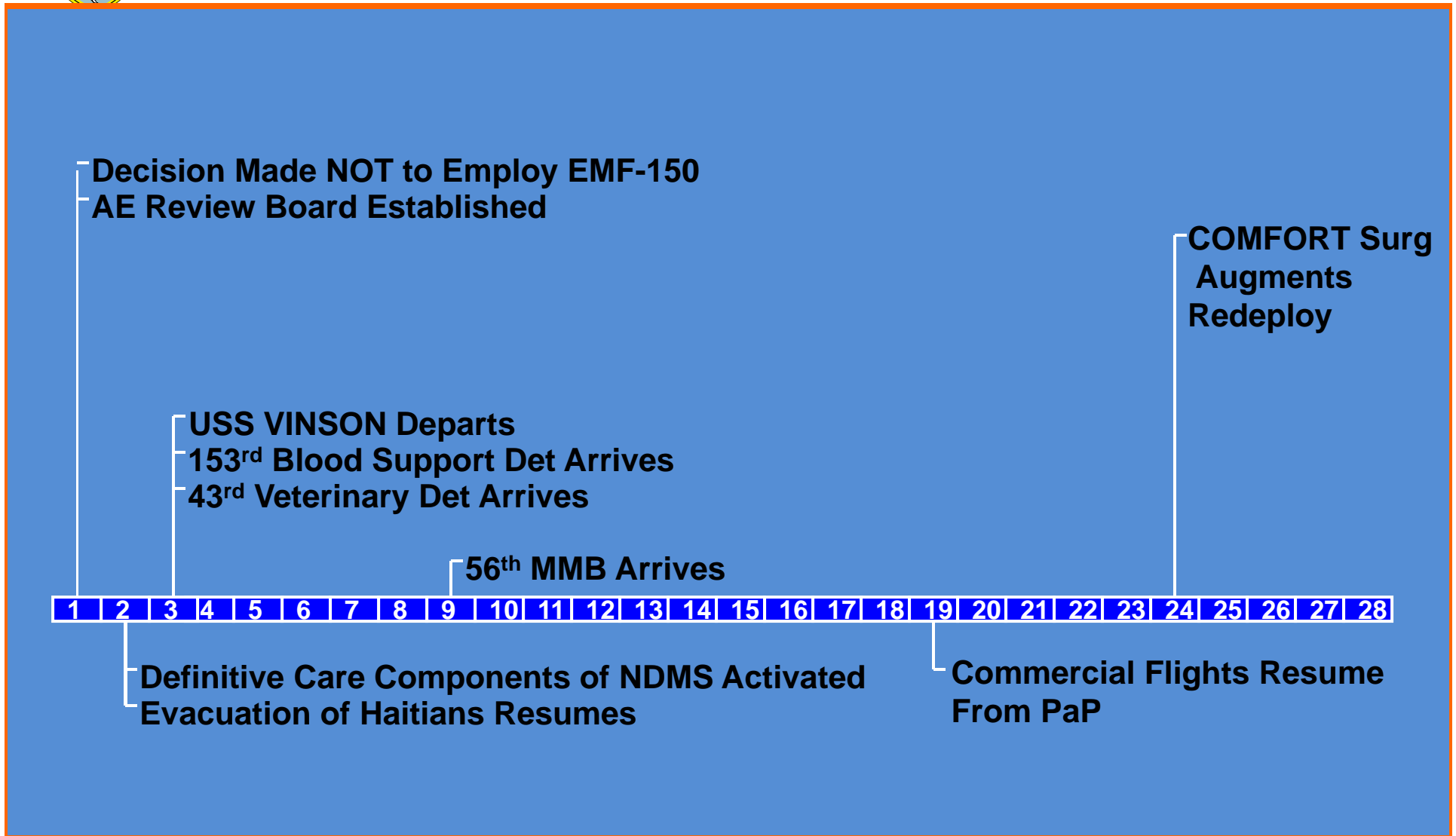


# Deployment Timeline (January)



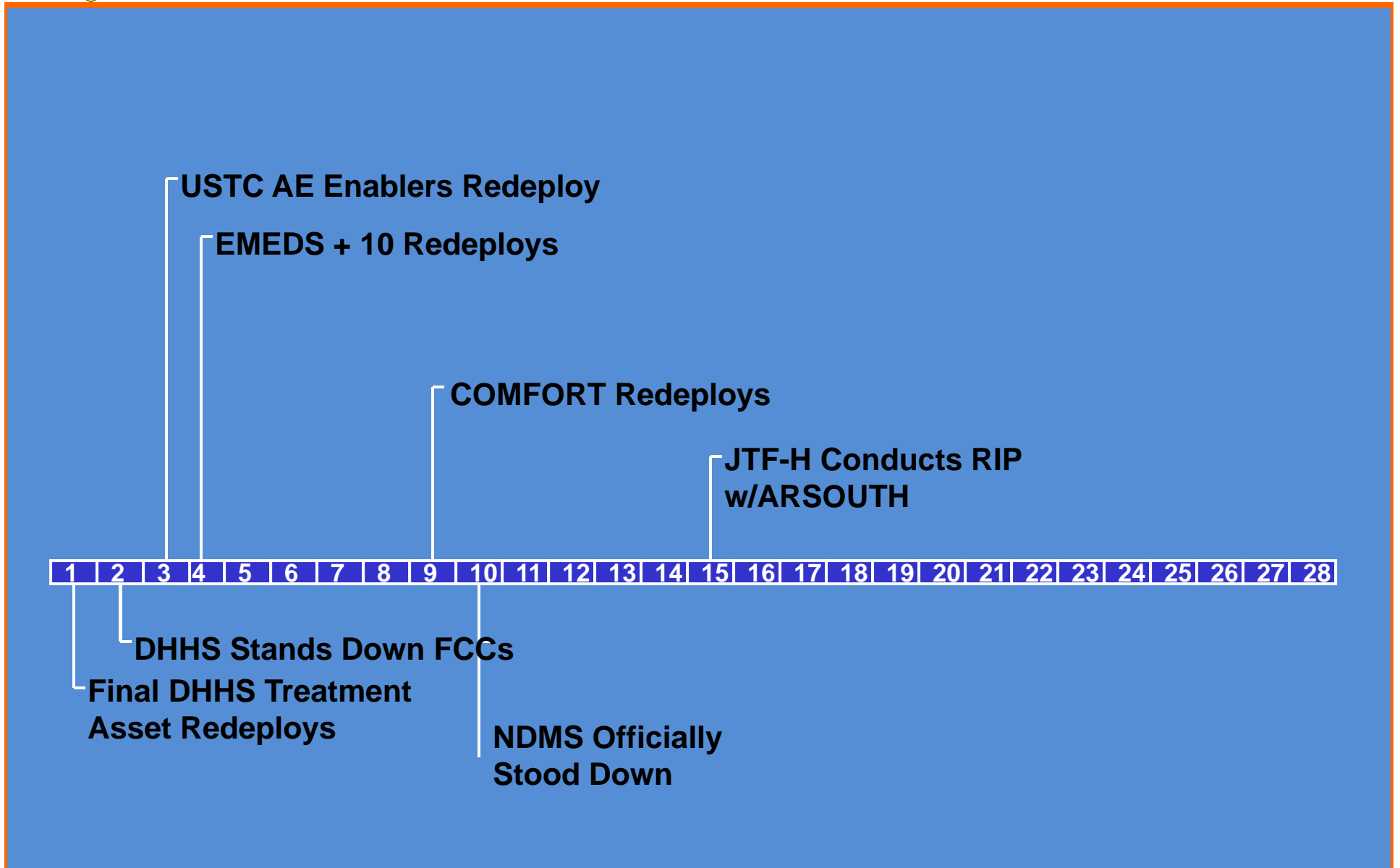


# Deployment Timeline (February)

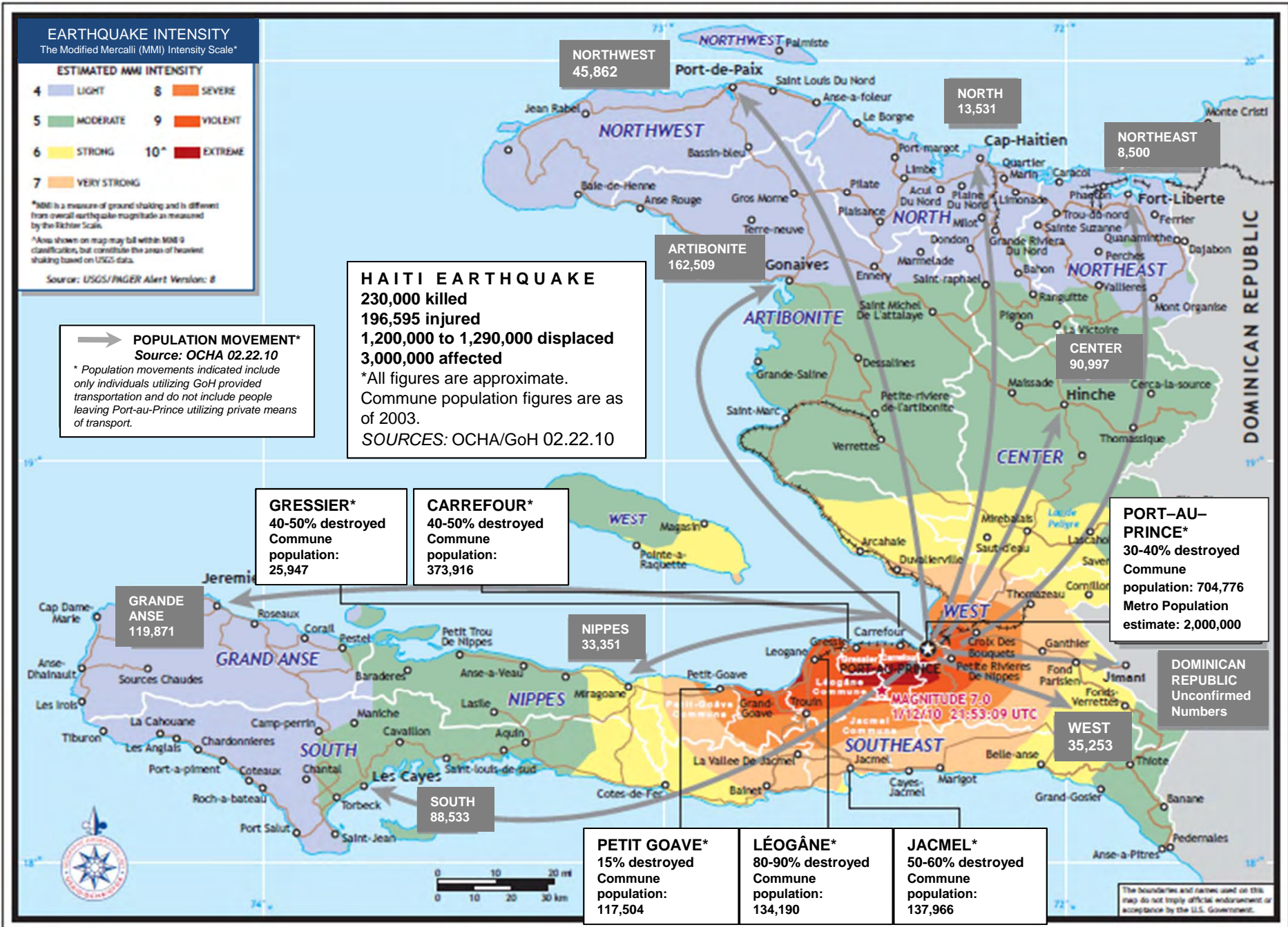




# Deployment Timeline (March)



# EARTHQUAKE-AFFECTED AREAS AND POPULATION MOVEMENT IN HAITI





# *Afloat Based Medical Support*

Operation UNIFIED RESPONSE





# Maritime Laydown

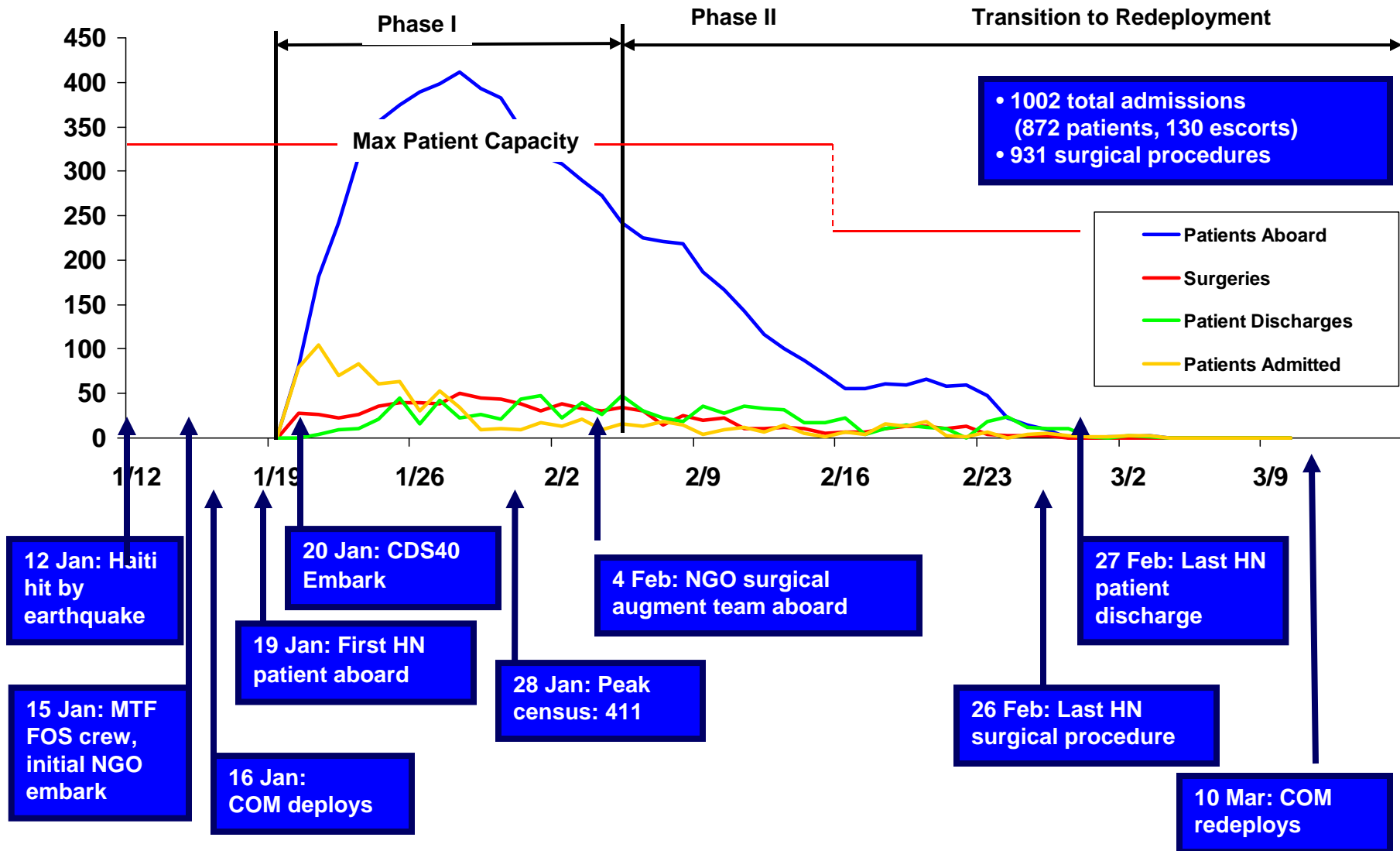
Operation UNIFIED RESPONSE





# COMFORT Timeline

## Operation UNIFIED RESPONSE





# *Land Based Medical Support*

Operation UNIFIED RESPONSE





# JTF-H MEDICAL COP

Phase I: o/a 20JAN - 051300RFEB10

- BCT/BN HQ
- Distribution Hubs
- Haitian Hosp
- Hosp
- Embassy
- LEVEL II

2-325 AIR  
YF 7984 5319  
Tailgate MED  
68Ws x 33 each

Colombian MED Tm  
Mexican Surgical Tm

FST/Colombian  
Surg/Mexican  
Surg  
YF76485115

1-325 AIR  
YF 86175832  
68Ws x 34 each

BLACK LV I  
Tailgate  
YF82755483  
68Ws x 17 each

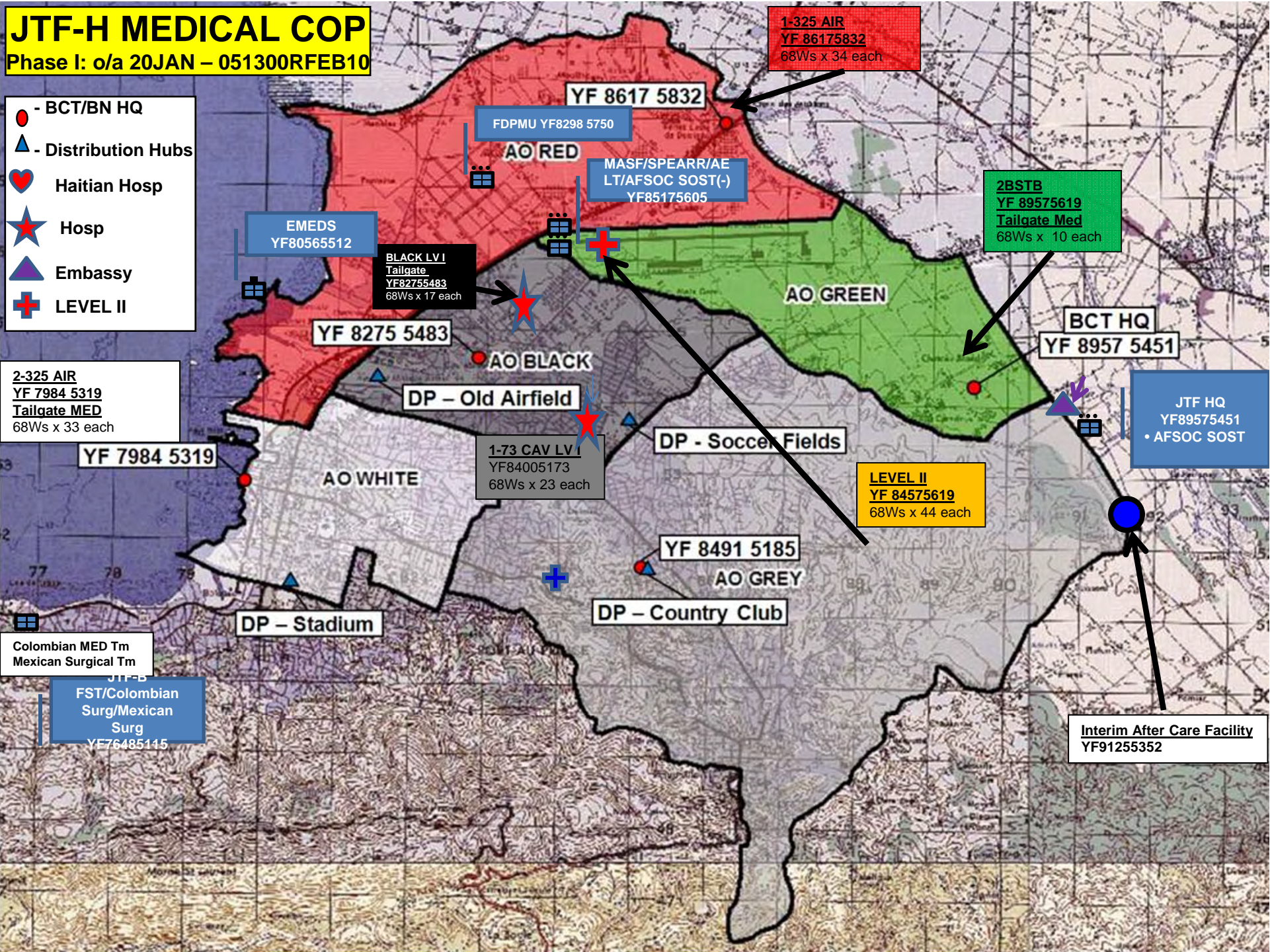
1-73 CAV LV I  
YF84005173  
68Ws x 23 each

LEVEL II  
YF 84575619  
68Ws x 44 each

2BSTB  
YF 89575619  
Tailgate Med  
68Ws x 10 each

JTF HQ  
YF89575451  
• AFSOC SOST

Interim After Care Facility  
YF91255352





# ***EMEDS Response***

Operation UNIFIED RESPONSE

- Served as “Gate keeper”
- 10+ beds and 1 OR
- 300 patients and 200 escorts moved
- 125 inpatients rec’vd care



- 12 day trips
- Assisted 3 NGO’s
- 1500 patients seen
- 4 tons medical supplies



# *Medical Logistics Support*

Operation UNIFIED RESPONSE

## **Support to PROMESS Warehouse**

- **Logistics Advisory Team**
- **Re-organized warehouse**
- **Provided inventory mgmt**
- **Teams at port to organize donations**
- **Forklift support**





# ***Patient Movement Missions***

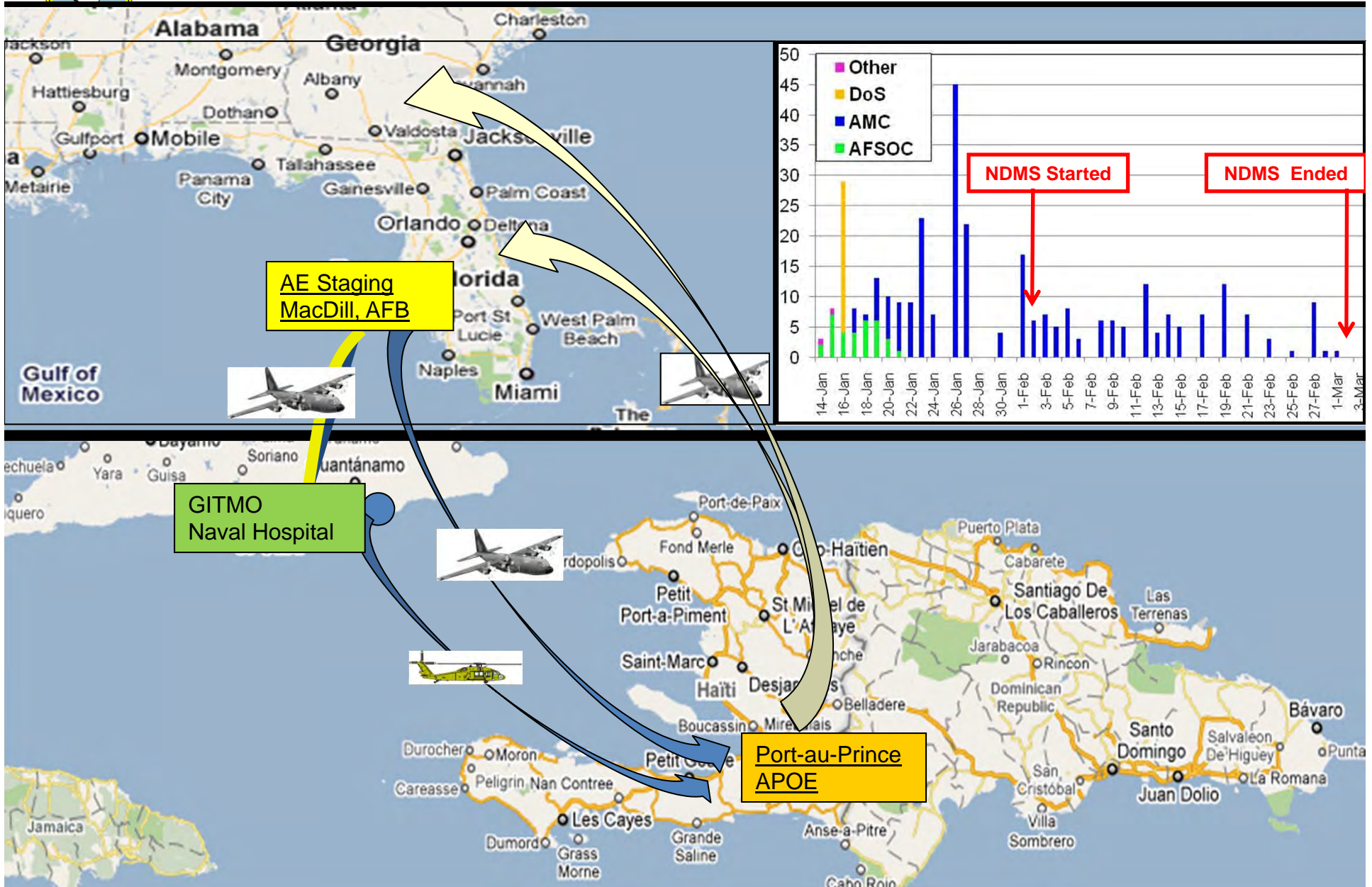
Operation UNIFIED RESPONSE

- **Ground ambulance**
- **Rotary wing medevac**
- **Small boat medevac**
- **Evac to GTMO and CONUS**



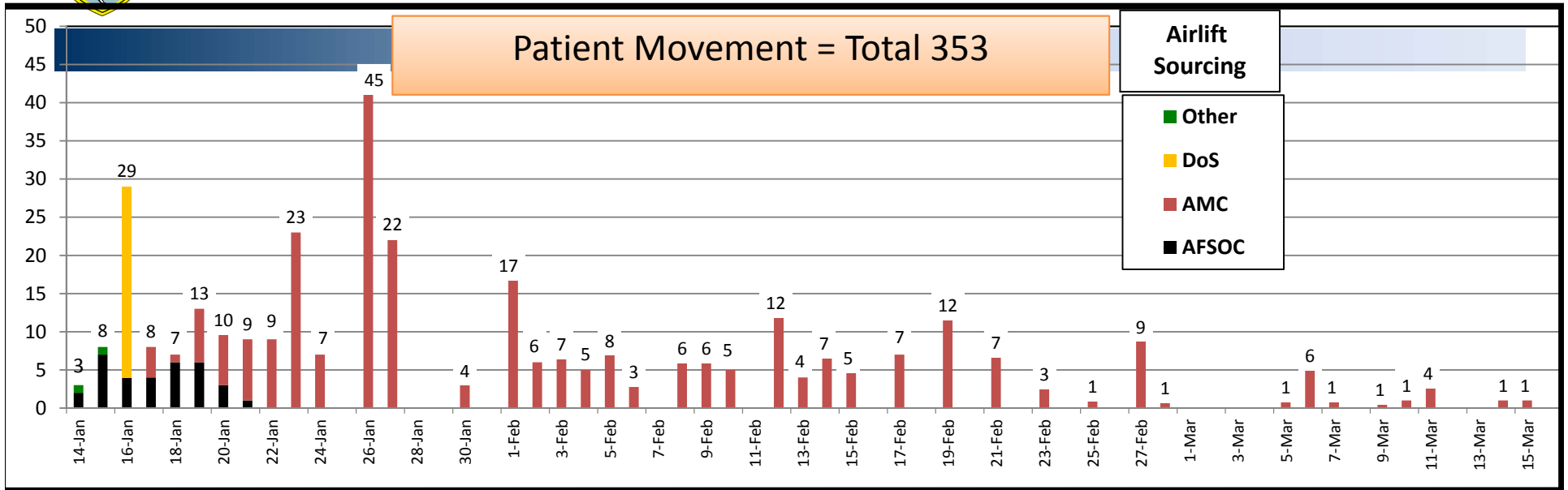


# Patient Movement – CONUS

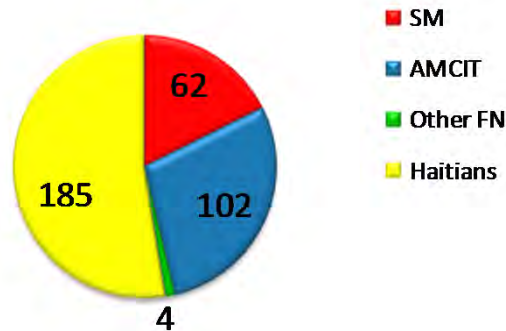




# Contingency PM Report



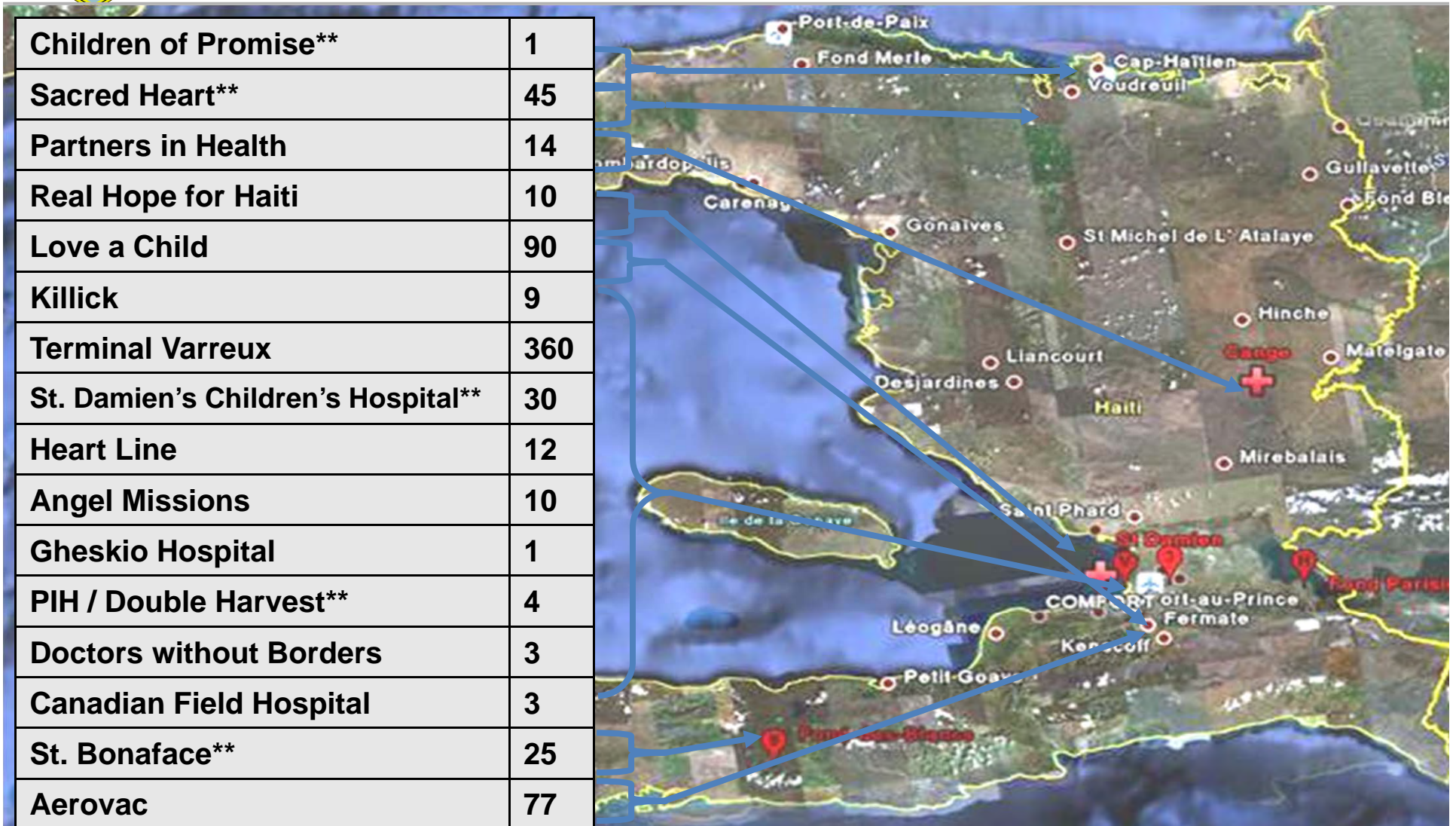
## Patient Movement Breakout



- ISSUES:**
1. Supporting DoD Haiti Patient Movement Requirements
  2. Supporting DoD Chilean Patient Movement Requirements



# Patient Outflow – within Haiti



**GoH / UN approved shore-based medical network provided placement of COMFORT patients for post-operative care**



# International Response

## Operation UNIFIED RESPONSE

### **Medical Forces Afloat**

- SPS CASTILLA
- ITN CAVOUR
- FRS SIROCCO
- ARM HUASTECO
- ARM TARRASCO
- ARM PAPALOAPAN
- ARC BUENAVENTURA
- ARC CARTAGENA DE INDIAS

### **Medical Forces Ashore**

*Canadian Field Hospital*

*China- Medical Rescue Team*

*Chile-Portable Hospitals*

*Japan- Medical team*

*Jordan - Field Hospital*

*Israel- Field Hospital*

*Spain- Medical Team*



*Russia- Mobile Hospital*

*Brazil- Field Hospital*

*Turkey- Field Hospital*

*France- Field Hospital*

*Venezuela- Medical Team*

*Cuba- Medical Team*

*Italy- Medical Team*





# ***AAR: What we did well***

## Operation UNIFIED RESPONSE

- **Interagency Coordination** - Pre-crisis professional relationships and routine interagency coordination proved to be essential during the response.
- **Collaboration and Synchronization (Strategic)** - The USSC SG daily TELECON provided vital situational awareness, identified critical issues, and assisted in assigning responsibility for actions.



# ***AAR: What we did well***

## Operation UNIFIED RESPONSE

- **Collaboration and Synchronization (Operational)**  
USAID sponsored daily USG health meetings to pass information from UN Health Cluster and prioritize USG medical response.
- **Operational Environmental Risk Surveillance.**  
Forward Deployed Prev Med Unit (FDPMU) arrived early in deployment and was fully mission capable.



# ***AAR: What Needed Improvement***

## Operation UNIFIED RESPONSE

- Delay in USG and DoD Policy Concerning Evacuation of Haitian and Foreign Nationals
- Delay in Activation of NDMS Definitive Care Component and Non-Activation of NDMS Patient Movement (PM) Component
- Delay in establishing Medical ROE



# ***AAR: What Needed Improvement***

## Operation UNIFIED RESPONSE

- No designated medical rep on OFDA Disaster Assistance Response Team (DART)
- COMFORT not initially configured for FDR mission
- No Interagency Common Operating Picture
- JMEWS not used



# ***Final Words of Wisdom***

## Operation UNIFIED RESPONSE

- Clearly define mission of DoD medical forces
- Maintain close coordination with OFDA
- Partner with NGO's and international community
- Collaborate, don't work in a vacuum
- Develop transition criteria and decision points



# *Unity of Effort At All Levels*

Operation UNIFIED RESPONSE

