



## What is the NDMS?



- Partnership between HHS, DHS, VA, and DoD
- Mission is two-fold:
  1. Support communities in the United States with post-disaster medical assistance as needed
  2. Backstop the DoD and VA medical systems in a mass casualty warfare scenario



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### スライド 23

国家災害医療システム National Disaster Medical System とは米国保健省、国家安全保障省、退役軍人省、国防総省のパートナーである。

その使命は以下の 2 つである。

1. 災害発生後に医療支援を行うための組織
2. 戦争の際、国防総省や退役軍人省医療システムの後方支援



## What is the NDMS?



- Three key functions:
  1. Medical Response (medical, veterinary, fatality management)
  2. Patient Evacuation by air from affected areas
  3. Delivery of Definitive Care through system of NDMS network hospitals



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### スライド 24

国家災害医療システム National Disaster Medical System は 3 つの機能を担っている。

1. 医療対応 (医学、獣医学、法医学)
2. 傷病者の被災地からの広域搬送
3. 国家災害医療システム National Disaster Medical System 関連の医療機関で根治治療を行う



## NDMS is an asset under ESF-8 (Medical and Public Health)



- The National Response Framework (NRF) informs a coordinated federal response
- Other assets include:
  - United States Public Health Service Assets
  - Incident Response Coordination Teams
  - Regional Emergency Staff
  - Federal Medical Stations
  - ESAR-VHP / MRC

### ESF-8 Responsibilities include:

- Public Health Assessment
- Surveillance
- **Medical care and supplies**
- **Patient Evacuation**
- **Patient and Animal Care**
- Drug Safety and Security
- Blood and Related Products
- Food Safety and Security
- Agricultural Safety and Security
- Behavioral Health
- Vector Control
- Water and Wastewater
- **Mass Fatality Support**
- **Definitive Care**

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スライド 25

国家災害医療システム National Disaster Medical System は連邦政府災害対応基本方針 National Response Framework における緊急事態支援機能 # 8 (公衆衛生医療分野) の担い手であると言える。



## Who makes up the HHS part of NDMS? **ASPR**

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ADDITIONAL SUPPORT PROGRAM  
RESPONSE AND RECOVERY

- Model similar to the National Guard, with NDMS staffed by “citizen responders” across the U.S.
- 86 different response and support teams
- Supported by NDMS Headquarters staff:
  - Program Development Branch (PDB)
  - Operational Medicine Branch (Chief Medical Officer Program)
  - Immediate Office
- Responders are *Intermittent* Federal Employees
- Coverage includes FTCA, Workers Comp, USERRA
- Clinical personnel are credentialed by NDMS

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### スライド 26

国家災害医療システム National Disaster Medical System は全米で 7000 名の人員を登録している。州兵 National Guard と同じような制度と云われる。その根底には「民間の災害対応」という基本思想がある。86 の異なるチームが国家災害医療システム National Disaster Medical System の本部の支援のもと、教育活動や実務を行うための事務機能を有しながら活動を行っている。また退役軍人病院もリソースの一つとして使われるのが特徴である。



## How is the NDMS supported in the field?



- NDMS relies upon its intra-agency partners for mission support requirements:
  - OEM Logistics
  - OEM Operations and the Secretary's Operations Center
  - ASPR Travel
  - ASPR Finance
  - ASPR and HHS Human Resources
- This includes:
  - Mission assignment funding, travel support, accountability, delivery of equipment and resupply
- Multiple warehouses, vehicles, platforms, and medical caches to achieve this goal

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スライド 27

国家災害医療システム National Disaster Medical System の活動のための財源は ASPR 保健大臣直轄危機管理対応部門をはじめとする保健省から支出される。



## Where Does NDMS Work?



- Wherever we are invited:
  - Establishing freestanding medical facilities in affected communities
  - Personnel backfill in an overwhelmed civilian facility
  - Triage and field medical care
  - Medical support to both general and special needs shelters
  - Supporting specialized response (e.g. behavioral health, critical care)
  - International response
  - Special event support
    - Inaugurations, Police Officer Memorial, 4<sup>th</sup> of July on the Mall, Joint Sessions of Congress, State of the Union Address, Political Conventions, State Funerals, UN events, etc.

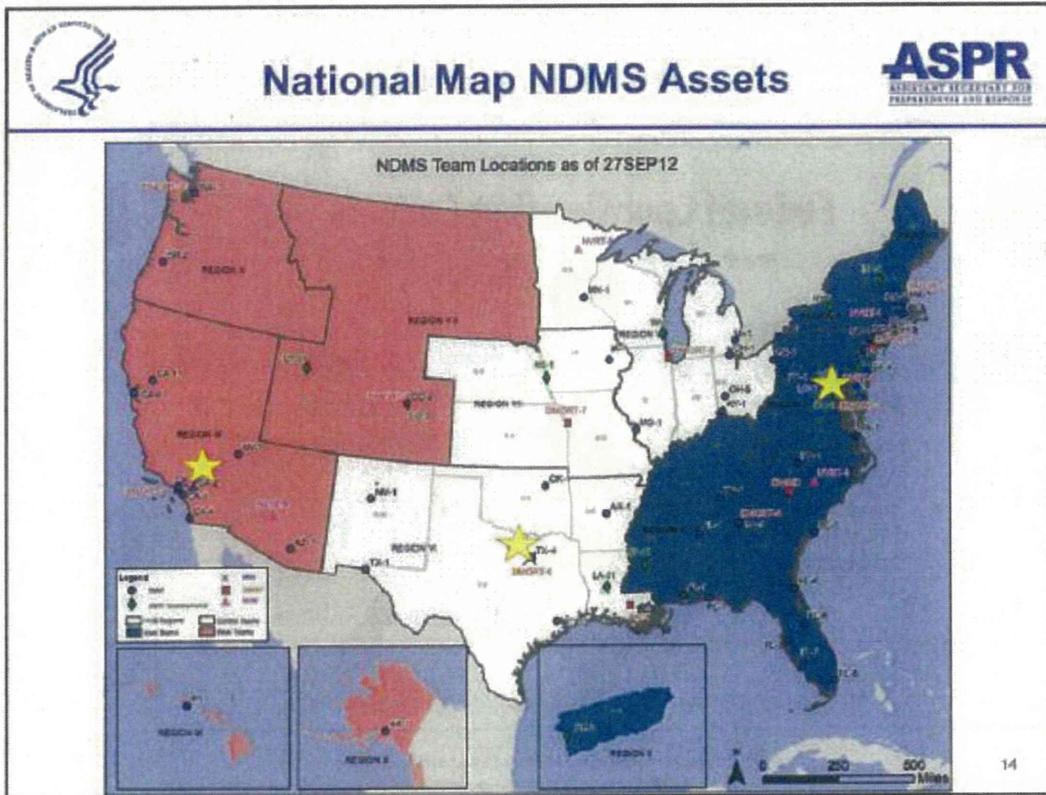
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### スライド 28

災害現場における国家災害医療システム National Disaster Medical System の活動は以下の通りである。

1. 被災地域に独立型の災害医療施設を設置する
2. スタッフの足りない医療機関に人員を補充する
3. トリアージと災害現場での医療活動
4. メンタルヘルスや集中治療などの特殊医療の提供
5. 米国外での活動
6. 特別なイベントの医療活動



スライド 29

国家災害医療システム National Disaster Medical System は全米を 3 箇所に区分して活動が行われている。そして相互支援体制が確立されている。

**Patient Care and Movement: Activities in the Impacted Area**





NDMS Field Care Sites



DASF

NDMS Patient Movement by DoD



Hospital Requiring Patient Evacuation



National Ambulance Contract (non-NDMS)

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**Patient Care and Movement: Activities Away from Impacted Area**




**Federal Coordinating Centers**

Army: ● Navy: ● Air Force: ● VA: ●



DASF

FCC

HOSPITAL

HOSPITAL

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スライド 30, 31

大規模災害における傷病者の後期搬送では、国家災害医療システム National Disaster Medical System は地元医療機関、国防総省（航空機）そして全国消防協会等と拒力して行う。

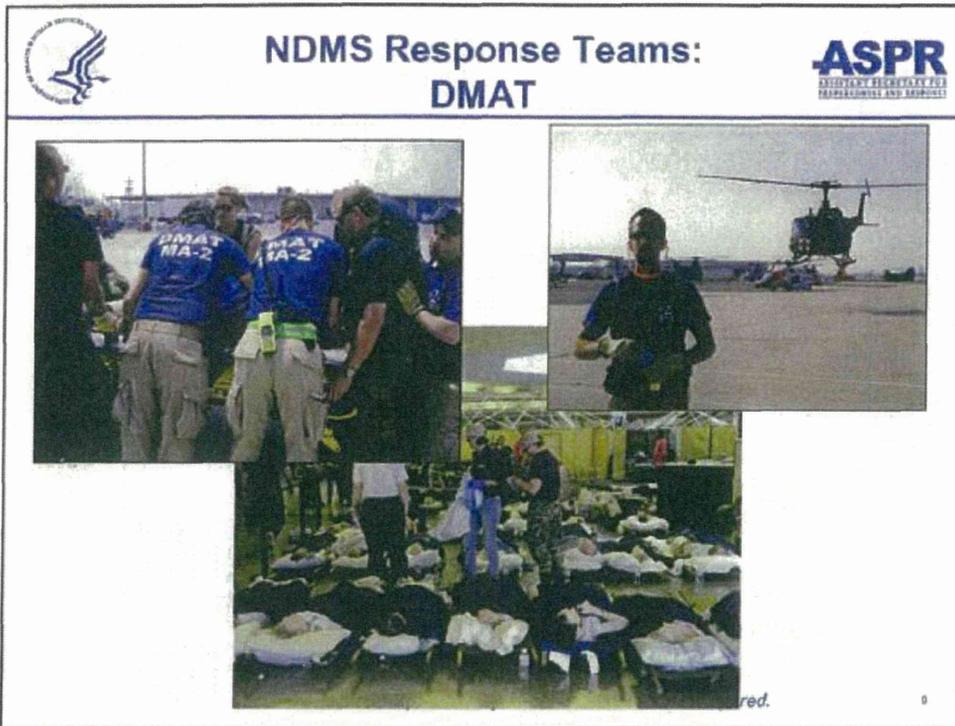
 **NDMS Response Teams:  
DMAT** 



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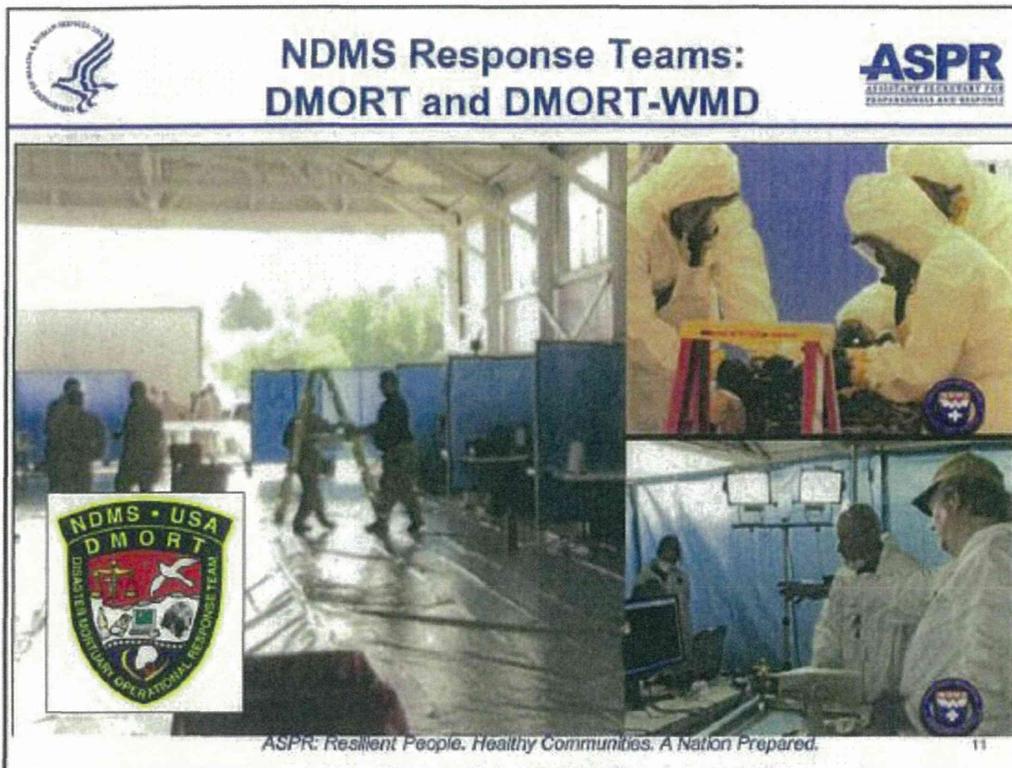
スライド 32

国家災害医療システム National Disaster Medical System における具体的な活動としては災害医療支援チーム DMAT が挙げられる。米国の DMAT は 1 チーム 35 名を基本構成としている。



スライド 33

2005年のハリケーンカトリーナでは災害発生2日後にDMATは展開した。



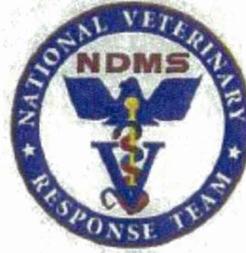
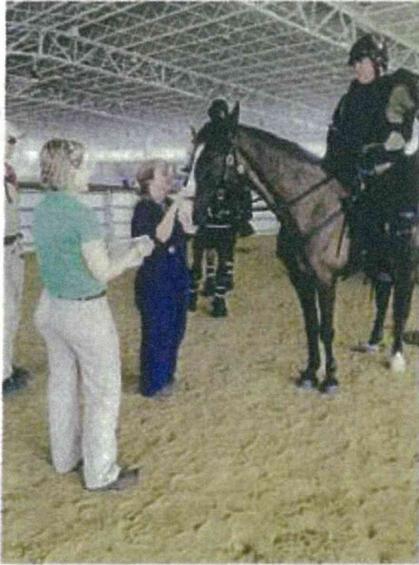
スライド 34

国家災害医療システム National Disaster Medical System の有する医療チームとしては災害医療支援チーム DMATに加えて災害死亡者対応支援チーム DMORT: Disaster Mortuary Operational Response Team が挙げられる。通常の災害に伴う大量死者発生に加え、大量破壊兵器が使用された場合にも活動を行う。



## NDMS Response Teams: NVRT (formerly VMAT)

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スライド 35

獣医を中心とした Veterans Medical Assistant Team も国家災害医療システム National Disaster Medical System の一翼を担う。

 **NDMS Response Teams:**  
**Joint Patient Assessment & Tracking** 

- Tracking patients in the federal patient movement system
- One of the three key components of the Disaster Medical Information Suite (DMIS):
  - JPATS
  - Electronic Medical Record
  - Health Information Repository



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スライド 36

国家災害医療システム National Disaster Medical System には、大規模災害における広域搬送で家族と離散してしまう傷病者を追跡するシステムを有する。



## Expectations of the NDMS



- NDMS is always available to the Secretary and ASPR
- System is maintained in standby status with monthly rotation of on-call teams
- Personnel and support packages will be ready to move shortly after requested, and engage upon arrival
- Deployed personnel will represent HHS professionally
- Teams and personnel will be properly resourced to function effectively and safely
- Deployed clinical personnel will be credentialed and deliver high quality care

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スライド 37

国家災害医療システム National Disaster Medical System は ASPR 保健大臣直轄危機管理対応部門の指揮調整の許でいつでも活動できる体制を整えている。



## NDMS Response Teams: Maintaining System Readiness



- NDMS is a large system of dedicated citizen responders
- System is maintained in “always ready” operational status
- NDMS goals for training:
  - All personnel appropriately oriented to role, function, and equipment, and the capabilities of the NDMS system via an ongoing strategy that cycles employees through:
    - National-level Training (“fundamentals” and advanced sessions)
    - Local-level Training (including unfunded training)
    - Exercises and Evaluation (“testing”)
    - Deployment (“on the job training”)
- Optimizing the use of multi-modal training platforms
- Requires a major investment to accomplish this

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スライド 37

国家災害医療システム National Disaster Medical System は災害発生後直ちに活動が出来るように平時から訓練や準備を行っている。



## The Future of NDMS



**For NDMS to be effective, and relevant in the future, we must:**

- More clearly define the NDMS mission space
- Clarify the NDMS strategic vision and plan:
  - How big does the system need to be?
  - What is the best way to organize the response teams and personnel across the US?
- Justify programmatic requirements (e.g. training and equipment) and properly match resources
- Self-promote to increase visibility and awareness of this unique national asset
- Continue to work closely with our intra-agency partners

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### スライド 38

国家災害医療システム National Disaster Medical System の課題としては、その活動の範囲を明確に定義し、方針を確定する必要がある。同時に、同システムを維持するための訓練や関係機関との連携など継続的な努力が求められる。

補足資料

1. 平成 26 年 3 月 5 日(水) 米国保健省及び日本国厚生労働省 健康危機管理会議  
Public Health Emergency Preparedness Meeting  
U.S. Department of Health and Human Services Office of the Assistant  
Secretary for Preparedness and Response (ASPR) & Ministry of Health, Labor  
and Welfare, Japan
2. 上記会議の配布資料

以下余白。

## Public Health Emergency Preparedness Meeting

**U.S. Department of Health and Human Services  
Office of the Assistant Secretary for Preparedness and Response (ASPR)  
&  
Ministry of Health, Labor and Welfare, Japan**

**March 5, 2014**

**10:00 am – 12:00 pm**

**O'Neill - Willow Room L1J13**

200 C St. S.W. Washington, D.C. 20024

- |                            |  |
|----------------------------|--|
| <b>10:00 am– 10:05 am</b>  | <b>Welcoming Remarks and Introductions</b><br><i>Dr. Jose Fernandez – Deputy Director, Division of International Health Security (DIHS)/Office of Policy and Planning/ASPR</i>   |
| <b>10:10 am – 10:30 am</b> | <b>Overview: Japan Emergency Preparedness and Disaster Relief Office</b><br><i>TBD - TBD</i>   |
| <b>10:30 am – 10:45 am</b> | <b>Overview: Public Health Preparedness in the United States</b><br><i>Dr. Jose Fernandez – Deputy Director, DIHS/OPP/ASPR</i>   |
| <b>10:45 am – 11:15 am</b> | <b>Overview: HHS/ASPR Office Emergency Management (OEM)</b><br><i>Mr. Joe Lamana – Director, Division of Regional and International Coordination (RIC)/OEM/ASPR</i>  |
| <b>11:15 am – 11:45 am</b> | <b>National Disaster Medical System/Disaster Medical Assistance Team (NDMS/DMAT)</b><br><i>Dr. Andy Garrett - Director, Division of NDMS/OEM/ASPR</i>  |
| <b>11:45 am – 12:00 am</b> | <b>Questions and Discussion</b>  |
| <b>12:00 pm – 1:00 pm</b>  | <b>Tour: HHS Secretary's Operation Center (SOC)</b><br><b>Collaboration and Coordination on Emergency Communications</b><br><i>Ms. Pamela Evans – Director, SOC/OEM/ASPR</i><br><i>Mr. Kenneth Hopper - SOC/OEM/ASPR</i> |

**Attendees:**

**HHS/ASPR**

Dr. Jose Fernandez – *Deputy Director, DIHS/OPP/ASPR*

Ms. Pamela Evans- *Director, SOC/OEM/ASPR*

Mr. Kenneth Hopper- *SOC/OEM/ASPR*

Dr. Andrew Garrett- *Director, NDMS/OEM/ASPR*

Mr. Joe Lamana - *Director, RIC/OEM/ASPR*

Ms. Lauren Barna – *Branch Chief DIHS/OPP/ASPR*

Dr. Efrain Garcia - *Branch Chief DIHS/OPP/ASPR*

Ms. Eris Rruka – *DIHS/OPP/ASPR*

**Japan**

Takayasu Ikoma - *Disaster Medicine Officer, Japan Ministry of Health, Labor and Welfare*

Hirotoishi Mizuno MD – *Disaster Medical Assistance Team Officer, Japan Ministry of Health, Labor and Welfare*

Takashi Nagata, MD, PhD – *Medical Emergency Manager, Japan Medical Association Research Institute and assistant professor at the Kyushu University*

Leo V. Bosner, M.S.W. - *Director of Training, Education, and Research International Institute of Global Resilience*

 *United States Department of*  
**Health & Human Services**  
Office of the Assistant Secretary for Preparedness and Response

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## U.S. Public Health Emergency Preparedness and Response

Briefing for the  
**Ministry of Health, Labor and Welfare, Japan**

**March 5, 2014**

**Jose Fernandez, PhD**  
Deputy Director, Division of International Health Security  
Office of Policy and Planning  
Office of the Assistant Secretary for Preparedness and Response  
U.S. Department of Health and Human Resources

 **Outline**

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- Global Health Security
- Department of Health and Human Services
- Office of the Assistant Secretary for Preparedness and Response
- Division of International Health Security

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