

# National Capacity Building for Disaster Reduction - Japan -

Takashi Ukai, MD

Senior consultant

Hyogo Emergency Medical Center

Chairman

NPO Humanitarian Medical Assistance

# Health Emergencies in Japan

- **Natural Disasters**

Earthquake, Tsunami

Volcanic Eruption

Typhoon

Heavy Rain, Flood, Landslide

- **Man-made Disasters**

Road Traffic Accident involving many vehicles

Train/airplane crash

Chemical & Nuclear Plant/Factory Accident

Terrorism

# Urgent proposals to strengthen capacity for disaster reduction

- Establishment of disaster information network
- Implementation of disaster medicine operation unit/hospital designated as disaster medical center
- Establishment of dispatching EMS teams to disaster affected area
- Provision of long distance medical transportation
- Encouragement of training and education on disaster medicine
- Education to the citizens on emergency health care

# Wide-area Disaster and Emergency Medical Services Information System

## Information and Command Center



Lap-top computers distributed to Emergency Hospitals

Every emergency hospitals are requested to renew the number of vacant beds twice a day on this network system.



# Disaster Medical Centers

Expected to :

play leading role on disaster management

accept many casualties in case of emergencies

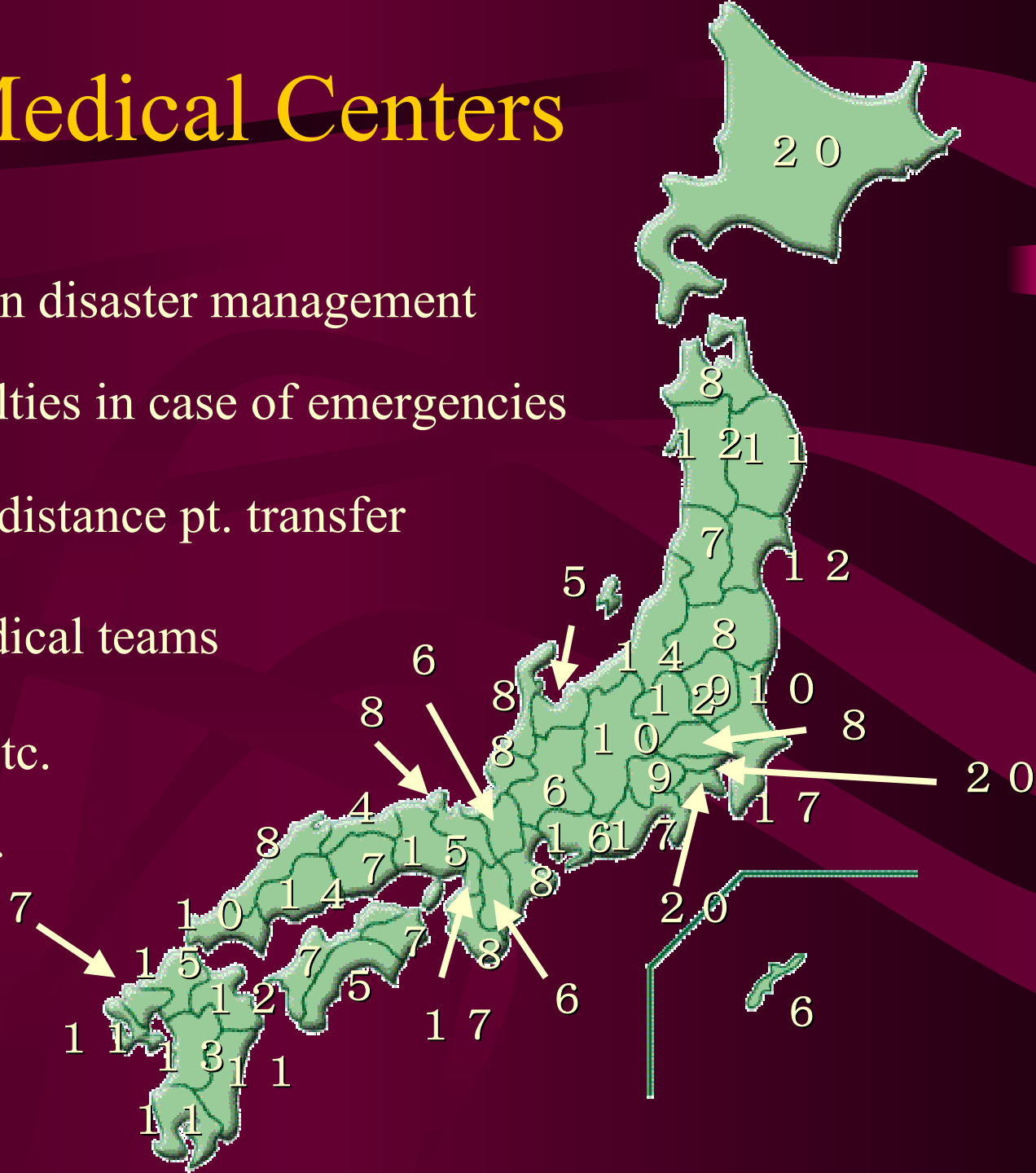
Be centers of long distance pt. transfer

Dispatch relief medical teams

Deposit medicine etc.

Train medical staff

**5 4 5** hospitals  
were designated as  
DMCs



# Disaster Medical Centers in Hyogo

## Hyogo Emergency Medical Center



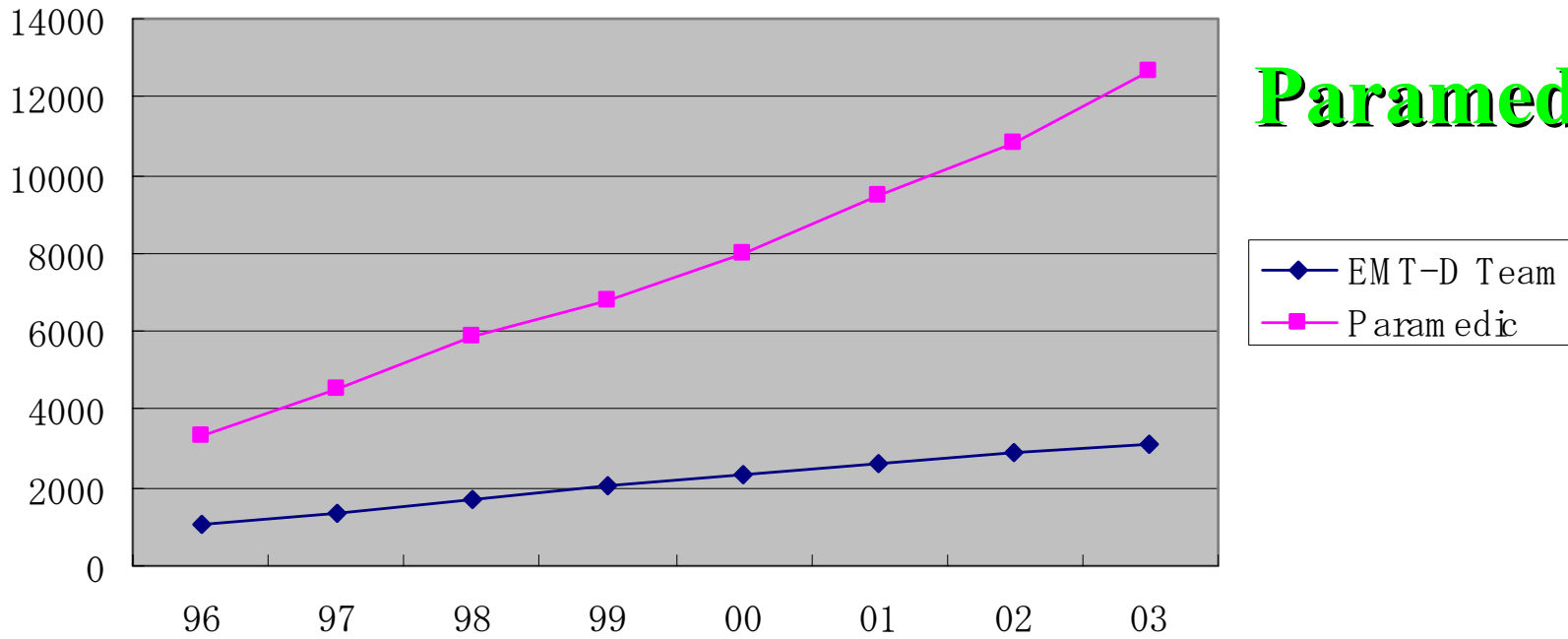
15 hospitals are designated as DMC

2~3 Drs. are nominated as **Disaster Medical Coordinators** in each DMC

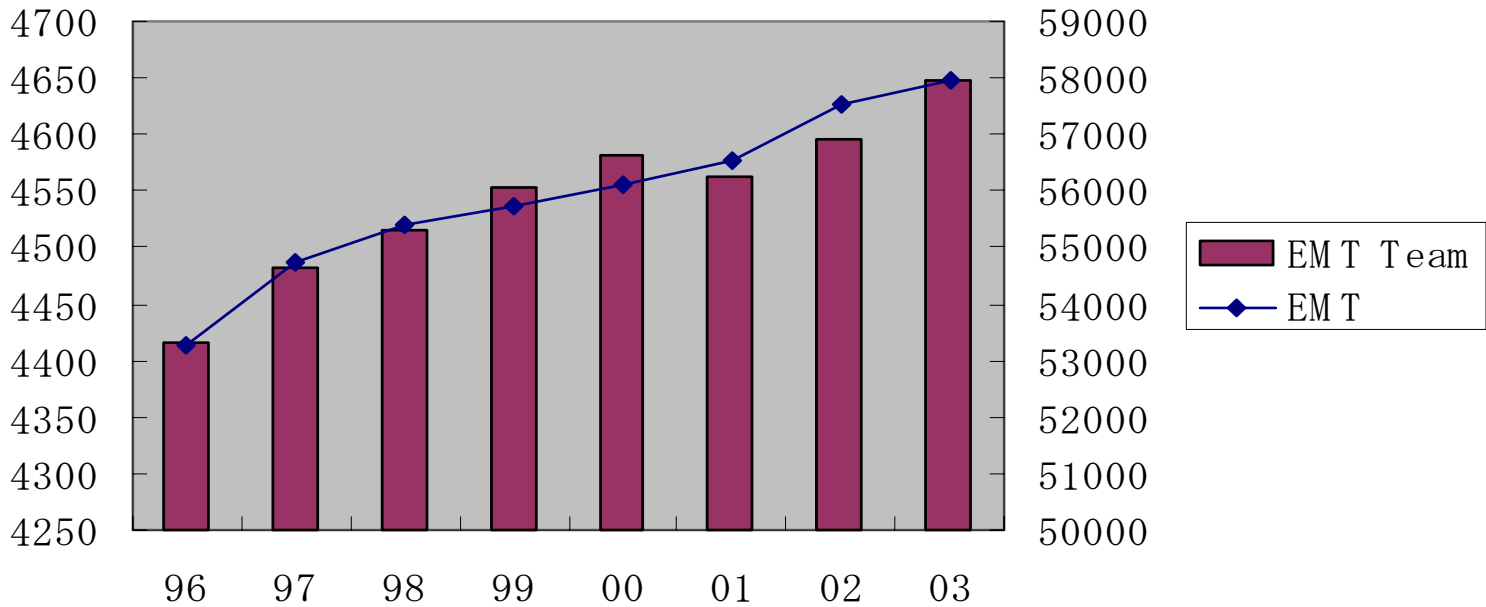
Main DMC is HEMC

Training seminars of personnel are held several times a year

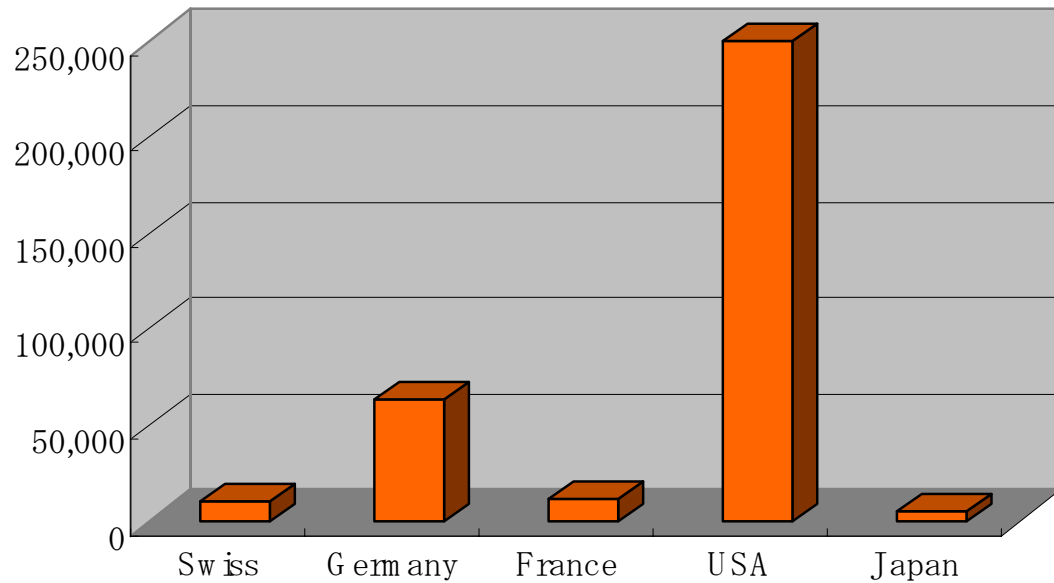
# Paramedics



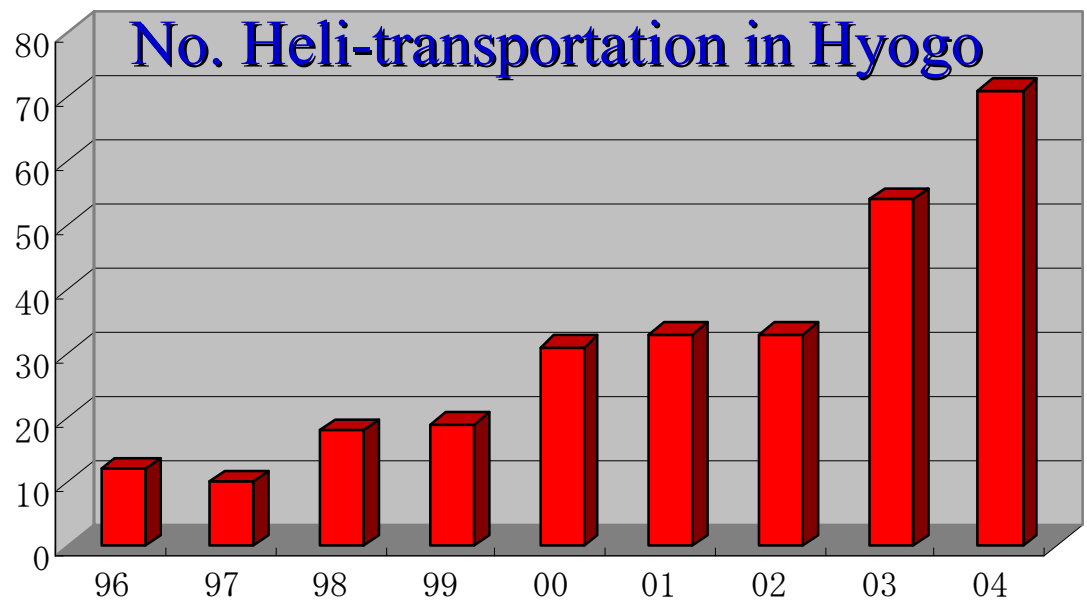
# EMTs



# Helicopter Transportation of Emergency Patients



Comparison with other developed countries



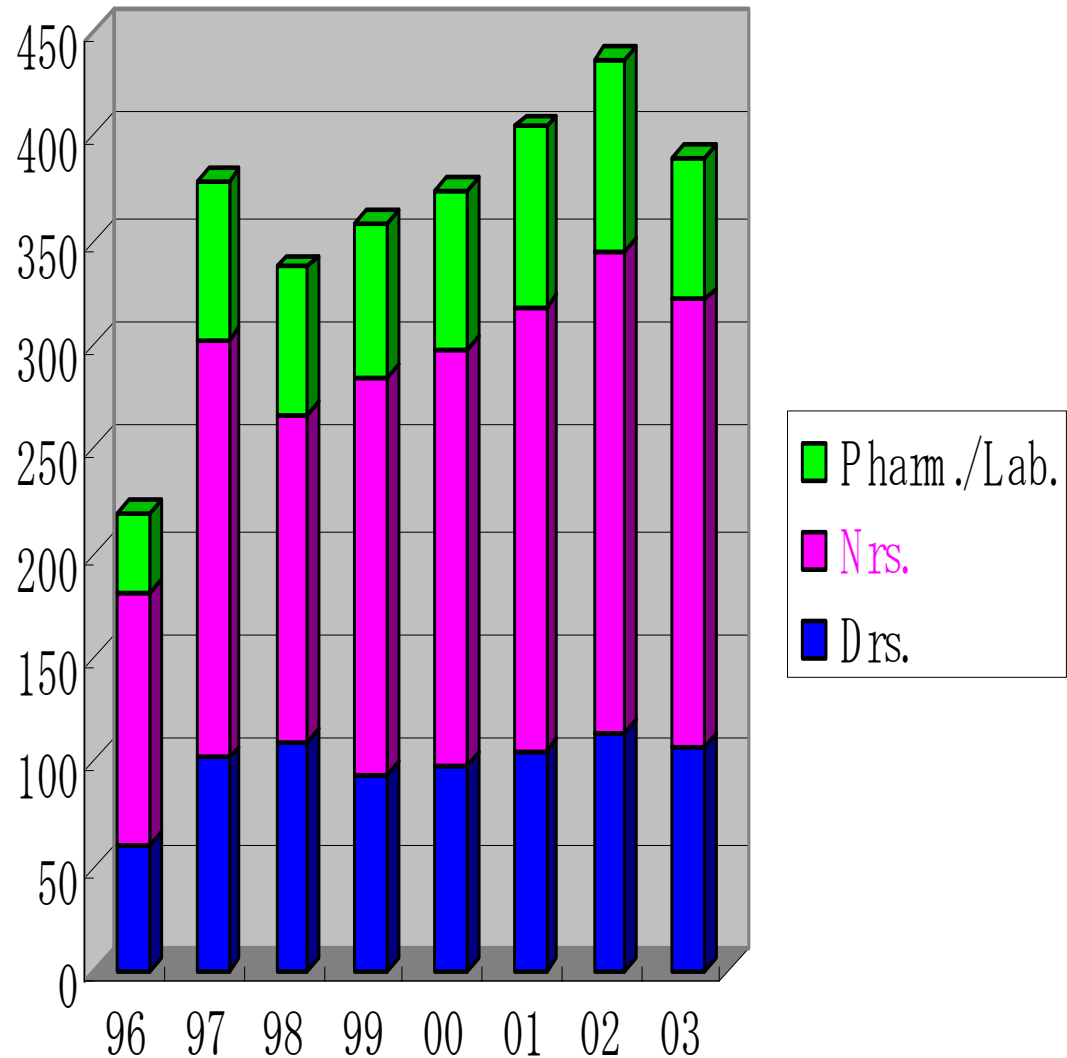


# Training of Medical Personnel

Tokyo Disaster Medical Center



Training seminar in Hyogo



Number of trained personnel at TDMC