World Health Organisation
Western Pacific Region
Nursing and Midwifery Leadership Summit 2006

A Challenge in Developing the Center of Excellence for Disaster Nursing

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Ministry of Education, Culture, Sports, Science, & Technology of Japan

Started on: 2002
A Policy for the Structural Reform of Universities

To cultivate a competitive academic environment
To raise the level of research and foster creative individuals who can lead the world in the academic field
Ansei Nankai EQ Tsunami 1854

Furuta S. Anseibunroku
http://www.seisvol.kishou.go.jp/eq/ina-mura/p2/html
http://www.jma.go.jp/jma/indexe.html
Why: Disaster Nursing?

Human Inflicted Mass Casualty Incidents
- War
- Plain Clash
- Ship Wreckage

Nature Inflicted Mass Casualty Incidents
- Earth Quake/Tsunami
- Volcano Eruption
- Typhoon/Flood

1995

Hanshin Awaji EQ
Sarin Gas in Tky

Revisited Nursing role at the time of disaster cycle:
- Hospital Affected
- Nurses worked with the People
- Nursing Academic
- Professional Org.
- Care for Caregiver

Mid- to Long-Net Working
Preparedness
Education
Research
Mental Anguish

The Disruption
Of Life & Society

Unstable Feeling of
Security & Safety

Why: Disaster Nursing?

Threats to Life

Mental Anguish

Minami et al. 2005
The Aims of the Program

• To develop nursing care strategies and establish information and human support networks in order to minimize the affect of disasters on the health and life of people.

• To develop self-care abilities of communities and individuals to independently regenerate and recover from the consequences of disasters.
Structure of the Program

Center of Excellence for Disaster Nursing

- Development of Information Base
- Establishment of Nursing Support Network
- Development of Nursing Care Strategies
Information Base Project (1)

- Development of Information Base
  - Database Accumulation
  - Data Mining/ Warehousing
  - Information Distribution System
  - Internet Tool Development

Establishment of Support Network
- Participatory community support network
- Professional nursing support network
- International disaster nursing network

Development of Disaster Nursing in a Ubiquitous Society 21st COE in Japan
Network Project(2)

- Participatory community support network
- Professional nursing support network
- International disaster nursing network

Development of Information Base

Establishment of Support Network

- Database Accumulation
- Data Mining/Warehousing
- Information Distribution System
- Internet Tool Development

Professional nursing support network

Participatory community support network

International disaster nursing network

Development of Nursing Care Strategies

Center of Excellence for Disaster Nursing

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Network Building/Coordination with Other Organization

Prefecture Government

National Government

COE Program

Abroad

Networking with Professional Organization & others

Affected Area

Local Networks
- Nursing Colleges
- Nursing Associations

Nurses at Shelters, Temporary Housing and Communities

People in the Community
Development of Nursing Care Strategies

Project(3)

- Nursing Care Method Development
  
  Persons with various health needs and requiring considerable supports
  At affected sites, shelters, homes, and medical facilities
  Immediate, mid-term, & long-term

- Education and Training Development
  
  Development of educational training programs
Inadequate Disaster Preparedness

1) Individuals level:
   Inadequate stockpiles (emergency rations & daily supplies) / No provision for disrupted family communication or medical consultation during a disaster / No home safety plan (secured furniture, etc.)

2) Nursing Staff level
   Inadequate stockpiles (medical supplies, water, etc.) / No links to other medical facilities - Care giver do not need and should not get any help/ No contingency plan for utility disruptions / No disaster manuals (how to evacuate, no information on transportation systems, etc.)
It’s Hard to change own way of thinking & behavior at the time of Emergency

- People want to continue life style as usual
- Nurses want to continue their usual routines
- People flush their toilets even during a water shortage -
- Volunteer nurses are given orientations in detail-
Education/Training

• Education for preparedness
  – Development of Disaster Preparedness Handbook
  – Implementation of Educational program to nurses
  – Conduct of information exchange at conference or training

• Clarification of Core Competencies on Disaster Nursing
  – Extract and structure of contents with knowledge obtained by other groups
Development of Young Researchers

- Sending Researcher to Disaster Districts
- Offering Opportunities to Establish Information Networks
- Subsidizing Research Grants
- Development of Research Abilities
- Organizing Global Training Programs
- Establishing the Course of Disaster Nursing in a Master and Doctoral Program
- Inviting to the COE Research Project

Development of Disaster Nursing in a Ubiquitous Society 21st COE in Japan
Integration

Development of Information Base
- Database Accumulation
- Data Mining/Warehousing
- Information Distribution System

Establishment of Support Network
- Participatory community support network
- Professional nursing support network
- International disaster nursing network

Integration and Creating Research Agenda
- Development of Nursing Care Strategies
- Integration and Creating Research Agenda

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Ex. Niigata Chuetsu Earthquake

Network with Ministry of Health

Network with JNA/PNA

Program

Provide Consultant

Network with Prefecture

Sending vn

Provide Consultant

Consultation for system development

Consultation for PHN

Disaster area

Local Network

Nursing College

Nursing Association

Human and information resources

Direct Care

Shelter/ Temp. Housing

Nursing in Community

Providing Information and Coordination on Demand

Development of Disaster Nursing in a Ubiquitous Society 21st COE in Japan
Outcomes

- Clarification of the key concept
  Care receivers + Care offers
  People who need primary support in disasters (e.g. the elderly, the mentally disabled, child, pregnant, chronic illness)

- Clarification of mid- and long-term health problems impacted by disasters
  Respiratory systems  Circulatory systems  Chronic diseases
  PTSD

- Clarification of caring methods
  Support for daily environments and dietary lives
  Protection of one’s sleep and privacy
  Guarantee of a sense of security and safety

- Collaboration with other related organizations

- Establishment of networks
Outcomes

- Consultations, manpower dispatching, information services, and so on)
  - Earthquake and tsunami disaster in the Indian Ocean
  - Niigata Chuetsu Earthquake
  - Defining basic abilities required for disaster nursing in collaboration with WPRO
- **Organization of international conferences regarding disaster nursing**
  - Participating and presenting suggestions in the World Conference on Disaster Reduction
  - Organizing the forum on disaster nursing in Asia
- **Internationally dissemination of the concept of “disasters and health”**
Disaster will happen before we forget!

21st Century COE Program:
Development of Disaster Nursing in a Ubiquitous Society
Primary Investigator: Dr. Aiko Yamamoto