Disaster Nursing Global Leader Degree Program

THE FIRST GRADUATE PROGRAM JOINED BY
PUBLIC AND PRIVATE UNIVERSITIES IN JAPAN
MESSAGE FROM THE PRESIDENT OF HOST UNIVERSITY

Nowadays, humanity encounters the occurrence of numerous diverse, complex and even prolonged natural and manmade disasters that are threatening lives of people regardless of their nationality. Nation-based response to disaster is becoming less and less sufficient, suggesting the necessity of innovative interdisciplinary approaches.

Up to now, disaster nursing has been restricted to the field of classical nursing education, research and practice. However, the Tohoku/Fukushima disasters in March 2011 brought new challenges to disaster nursing practice that have not been experienced before. There is an urgent need to develop a disaster response system as we are facing the imminence of the great Nankai earthquake which is predicted to occur in a near future.

To respond to these challenges, the University of Kochi, the University of Hyogo, the Tokyo Medical and Dental University, the Chiba University and the Japanese Red Cross College of Nursing have put their resources and expertise together to launch a new graduate program in disaster nursing.

The philosophy behind this program is to ensure human safety in time of disaster. We aim at creating global leaders in the field of disaster nursing who will contribute to promoting health and safety in disaster-affected societies. These future leaders will have needed skills to provide appropriate response and contribute to solving disaster-caused health and social issues and demonstrate leadership in global and interdisciplinary humanitarian intervention sites.

Currently, there are approximately 200 universities with nursing education programs and over 1500,000 nurses working at different medical settings in Japan. As the number of schools increases, we have the ambition of creating a nursing program that provides a quality education, advance nursing research and practice for graduate nurses to acquire necessary experience and skills to be implemented in their career. It is my utmost and sincere request that you support this program and related research projects.
OVERVIEW OF DNGL PROGRAM

The First: Intercurricular Nursing Graduate Program

THE FIRST GRADUATE PROGRAM JOINED BY PUBLIC AND PRIVATE UNIVERSITIES IN JAPAN

New Paradigm Shift in Nursing Field
Making commitment to educating global leaders in Disaster Nursing who will respond to and solve worldwide-disaster nursing tasks with accuracy; show disciplinary leadership in global setting; contribute to building healthy society; and bring safety; reassurance and self-sufficiency.

Purpose
Ø To conduct innovative research and develop theories which can be applied to nursing practices in cooperation with other professionals in related disciplines
Ø To contribute towards promotion of human security through educating nurses with profound understanding in disaster nursing

Target
Ø This graduate program for disaster nursing aims to create global nurse leaders who can respond to and solve a wide range of problems in disasters and exercise interdisciplinary leadership in international settings.

Degree
Ø Ph.D. (Nursing): DNGL

Educational outcome
Ø Problem-solving skills related to disasters with multiple and systemic perspectives and comprehensive and international framework
Ø Nursing leaders who can respond to local/global disasters

Potential for growth
Ø Seamless nursing practice in disaster risk reduction through cycle-based disaster mitigation
Ø Advancing scholarship through exploration of new research and expansion of interdisciplinary methodologies
Ø Paradigm shift (globalization, complex, interdisciplinary, restructuring)
Ø System model for interdisciplinary collaboration and human security

Ripple effects
Ø Development of public and private intramural education
Ø Formation of a graduate school, which is a coalition of public and private universities
Ø Proposal to reform the international model for graduate program
Ø Promote the safety and security of societies
NEW PARADIGM SHIFT IN NURSING FIELD

Making commitment to educating global leaders in Disaster Nursing who will respond to and solve worldwide-disaster nursing tasks with accuracy; show disciplinary leadership in global setting; contribute to building healthy society; and bring safety, reassurance and self-sufficiency.

University of Kochi, Faculty of Nursing
(Host University and DNGL Administrative Center)

2751-1 Ike Kochi, 781-8515 JAPAN
Tel : +81-88-847-8700 (main); 8631 (direct)  Fax : +81-88-847-8670
Email: dngl@cc.u-kochi.ac.jp
Homepage : http://www.dngl.jp
University Homepage : http://www.u-kochi.ac.jp/english/index.htm

University of Hyogo

13-71 Kitasashi, Akashi, Hyogo, 673-8588 JAPAN
Tel : +81-78-925-9044
Email: dngl@cnas-u-hyogo.ac.jp
Homepage : http://www.dngl-hyogo.com/
University Homepage : http://www.cnas.ac.jp/cnas/english/

Tokyo Medical and Dental University

5-15-45 Yushima, Bunkyo-ku, Tokyo 113-8510, JAPAN
Tel : +81-3-2813-0111
Homepage : http://www.mmd.ac.jp/english/index.html

Chiba University

1-8-1 Inohana, Chuo-ku, Chiba-shi 260-8672, JAPAN
Tel : +81-43-226-2110
Homepage : http://www.chiba-u.ac.jp/e/

Japanese Red Cross College of Nursing

4-1-3 Hiroo, Shibuya-ku, Tokyo 150-0012 JAPAN
Tel : +81-3-3409-0875
Homepage : http://www.redcross.ac.jp/english/index.html
INTER-UNIVERSITY CURRICULA

Preparing Highly Competent Disaster Nurses

For five years in the program, students will continuously be given practice tests especially in the first 1-2 years. For instance, students may participate in all phases of joint researches with regional hospitals on health status and support for long-term evacuees from disasters. In addition, program participants are expected to gain leadership skills after completing regional disaster prevention programs in a joint effort with other related organizations, local government, hospitals, schools, businesses, and civic groups. Practicum will be carried out by cooperating practicum leaders, mentor, and preceptors.

Instilling Educational Capacity (Competency)

For the first to third year students, customized tutorials based on individual level of experiences will be given so that students will be able to continue to cultivate learning capacity.

Council on Education and Research and Research Internship System

Multi-industrial, multi-disiplinary exchange: To foster the leadership skills, the Center will function as the principle unit in providing students with opportunities for domestic and international exchange to cultivate interdisciplinary perspectives.

Internship - Practical Planning and skill Development

From 3rd-5th years, students will participate in joint research programs with industry and government, internship programs, and RA programs. These programs are designed to strengthen practical research skills. Instructors and special appointed professors from industry, government, and research centers will be guiding and mentoring these students.

At this stage, students will learn about unprecedented nursing educational contents, social appeal and application of appeal, and public relations skills.

In addition, course such as Disaster Nursing Global Coordination Theory and Disaster Nursing Leadership Theory offer assertive lectures, training and practicum.

Expected Ability and Envisioned Outcome of the Program

1. Provide a healthy environment for victims and survivors to ensure human security in times of disasters.
2. Submit policy proposals to ensure “healthy living” in all phases of the disaster cycle.
3. Propose a plan for reforming the existing system; design a safe and secure society; expert Disaster Nursing Global Leaders.
EDUCATION PLAN

SIMULATION LAB CENTER

Simulation Facility

University of Kochi is designated as the Administrative Center (the Center) for Disaster Nursing Global Leader Program and University of Hyogo will host the Simulation Lab for Disaster Nursing (the Lab). At both the places, the Directors of the Center and Lab will oversee their respective units.

The Simulation Lab is responsible for developing pedagogy for disaster simulation education, internship, and other innovative educational methods. Lab Center’s director together with the Curriculum Committee will oversee the program development at the center. The Lab in conjunction with international partners are making efforts to further the disaster nursing education.

Academic Support System

Enrolled students will learn various academic skills in seminars and presentations by excellent professionals who are competitive researchers and educators in their fields of nursing. Additionally, under the carefully planned curriculum developed by the Curriculum Committee, the faculty members of this inter-curricular program offer various kinds of guidance. Students are able to receive customized advice and guidance according to their needs. Also, faculty from participating institutions around the world will provide advisory services. The program also offers short term study-abroad programs to those who wish to participate in international education and training. Students in the program will carry out independent research projects and will receive support from faculties from renowned universities and take part in interdisciplinary collaboration and produce unprecedented innovative researches.
GLOBAL NETWORK

(Educational Environment for Building Global Competency)

- Efficiency in Analyzing Global Health Problems
- Efficiency in Cross-cultural communication and negotiation
- Clarifying Global Standards
- Ability to disseminate and actualize Global Standard of Disaster Nursing through networking with international organizations

BUILDING GLOBAL COMPETENCY BY LEARNING FROM WORLD LEADERS

[Examples of Methods]
- English-based Education
- Analytical thinking in the midst of multi-cultural, multi-disciplinary, and multi-ethnic discussion
- Multicultural Symbiosis and Cross-cultural Education in Preparation for Domestic and Overseas Fieldwork
- Hands-on Practice in Fields according to student’s experience level

INTERNATIONAL NETWORK

1. Educating Nursing Professionals with Global Perspectives

During 5 years in this program, students will learn to prepare and deliver presentations, negotiate successfully, and to read up-to-date scientific publication in English. Courses will be provided by foreign instructors in English at each university who will cater to each student’s needs and assist students with techniques to improve English on their own. In addition, instructors, who are leading educators and researchers from overseas partner universities, WHO Collaborating Center for Nursing in Disaster and Health Emergency Management, internationally affiliated centers with Red Cross, and other international organizations will be invited to give lectures to promote thinking in global perspectives. Furthermore, as global leaders, program participants will be trained in a comprehensive disaster risk reduction program to acquire skill sets in communicable competency in public health risk management, obtaining perspectives of potential victims of disasters, strengthening ability to bring public consensus according to the residents and the officials stand points, and applying various skills to local ICT.

2. Building Global Leadership Skills through Practicum/Internship in Overseas Institutions and Lectures

To foster global leadership skills, the program offers courses in Disaster Nursing Global Coordination Theory, Disaster Nursing Leadership Theories, and Disaster Nursing Global Leader Practice. Also, the program offers internship opportunities at international organizations and overseas health organizations through which program participants will gain an understanding on role of a disaster nursing leader in disaster related policy making and process. Five universities of this program has established affiliation with WHO Collaborating Center for Nursing in Disaster and Health Emergency Management, Red Cross hospitals overseas, and JICA for internship opportunities. Practicum and internship in overseas field will offer students ample opportunities to grow into global leaders who will be able to think and act with global perspectives.

3. Skills for Assessment of Global Health Issues

DNGL program offers practical skill sets such as analysis of the overall situation in case of a disaster, such as assessing health index, disease burden and health care system, and available support systems, so that students can solve problems and carry our nursing practice in disaster settings Students will learn about problems that are directly related to disasters such as global environment, poverty and development issues, and various customs and values of areas that are affected by disasters.

4. Decision-making Skills in Global Settings

Anytime a disaster occurs, global leader’s effective and efficient decision making skill is crucial. DNGL trains students to be leaders with critical thinking in Decision Making Training Program. For example, students will be given practice cases to make analytical decisions through the process of evaluating a health status of disaster-struck nation, organizing priorities, dispatching human resources in multidisciplinary and multicultural group practice.
OVERVIEW OF DNGL PROGRAM

Interdisciplinary Education

Indirectory Government-Academia Collaboration Model

Career Path in Industry-Government-Academia Collaboration

DNGL program strives to produce global leaders who can perform in industry-government-academia collaboration. A variety of medical facilities, administrative centers and educational institutions that are part of this inter-curricular program offer plenty of opportunities for practices from outbreak of disaster to long-term damage recovery efforts in disaster nursing. This program offers internship opportunities at already well-established medical facilities, administrative centers, and disaster agencies. These opportunities can be stepping stones for those who wish to continue their career paths in these fields.

Career Path for the Graduates

The program is committed to train the students to become competent disaster nursing leaders upon graduation and show their capability at research centers, educational institutions, and other disaster-related fields, such as hospitals, government organizations, NPOs, and international organizations. Our students can take advantage of studying or working at our participating universities according to individual needs and capacities. In addition, the program plans to initiate international exchange among universities in the entire network.

[Industry-government-academia Collaboration Model]
- Needs for disaster risk reduction cooperation model.
- Research (translational research) and internship.

Develop support system Medical and technical resources
Mitigation policy research; Disaster Medical System for Regional Cooperation
Infrastructure development Operation of information
Disaster assistance agreement
System development for national needs Global health policy research.
Opening ceremony of DNGL Program took place April 5, 2014

The first entrance ceremony of the Graduate School Disaster Nursing Program—a joint doctoral program administered by the University of Kochi, the University of Hyogo Chiba University, and the Japan Red Cross College of Nursing—was held at 1:30 p.m. on April 5, 2014 (Saturday). The ceremony took place in the Large Lecture Hall of the Common Building at the University of Kochi’s Ike Campus.

Eleven students from five universities were welcomed into the program, which is a joint endeavor among five national, public, and private universities and the first of its kind in Japan.

The ceremony embodied a mixture of sentiments, including a sense of relief among the faculty members, who had overcome a host of challenges in the period leading up to the program’s inauguration; the expectations and anxieties of the 11 students who were about to venture into the unknown; and the weight of responsibility resting on the presidents of the five universities and the faculty members involved in the program.

A global journal about Disaster Nursing

Health Emergency and Disaster Nursing

In order to foster the global reader of Disaster Nursing, building a research community is very important to aggregate information, provide evidence and support the dissemination of research outcomes through the publication of research findings. Thus, we launched the first dedicated, international, peer-reviewed academic Journal, Health Emergency and Disaster Nursing (HEDN). Dr. Barbra Mann Wall is the Editor-in-Chief and the Editorial Board is composed of well-known researchers from North America, South America, Asia, Oceania, Europe, and Japan. This Journal is online based; however, a paper-based version including all the articles published during the year is printed and distributed at the end of each budget year. There are no submission or publication fees associated with this Journal. We welcome all submissions reporting scholarly work on the art and science of Disaster Nursing. The Journal will publish original manuscripts (empirical or qualitative studies, review articles, etc.), editorials, reports on practice at disaster settings, commentaries, image essays and book reviews. Articles will be peer-reviewed by the Editorial Board. Our challenge is to provide high-quality information as soon as possible. The Journal provides learning environments for students of the Disaster Nursing Global Leader Degree Program (DNGL) program, through publication opportunities as well as providing a valuable information resource.
Joint Program for Disaster Nursing [Doctoral Program]

This doctoral program aims to cultivate individuals with an enriched and advanced level of nursing expertise and foster research on the basis of interdisciplinary, international, and global perspectives. It especially aims to develop those with an in-depth understanding of disaster nursing who can contribute toward ensuring human security.

1 Admission Policy (Policy for Accepting Students)

Based on the graduate school’s philosophy and objectives, individuals possessing the following attributes are eligible for admission:

1) Individuals who have completed graduate school and possess a vision as global leaders in disaster nursing.
2) Individuals who have completed graduate school and are committed to becoming global leaders in disaster nursing activities and developing relevant abilities.

2 Curriculum Policy (Policy for Organizing the Curriculum)

The objective of the curriculum policy is to cultivate individuals with an enriched and advanced level of nursing expertise and foster research on the basis of interdisciplinary, international, and global perspectives. It especially aims to nurture global leaders in disaster nursing who possess an in-depth understanding of disaster nursing and can contribute to the development of human security. Based on these educational objectives the following curriculum (curriculum policy) has been organized:

1) The curriculum is composed of six courses: (a) Basic Courses in Nursing Studies; (b) Interdisciplinary Course for Disaster Nursing Global Leaders, two courses that form the foundation of Disaster Nursing Studies; (c) Courses in Disaster Nursing Science that help develop the ability to visualize disaster nursing as an academic discipline; (d) Disaster Nursing Seminar; (e) Disaster Nursing Practicum; and (f) Disaster Nursing Dissertation Research, courses that teach the essential roles and functions of global leaders and cultivate professional practices and research skills relevant to disaster nursing research.
2) The curriculum includes “Independent Study” as part of the “Disaster Nursing Seminar” and “Disaster Nursing Practicum” in order to help nurture the essential abilities of global leaders and promote autonomous learning in line with the students’ interests and challenges.
3) The curriculum requires that students take at least 10 credits from each of the following graduate schools that constitute this program: Graduate School of Nursing, University of Kochi; College of Nursing Art and Science, University of Hyogo; Graduate School of Nursing Chiba University; Graduate School of Health Care Sciences, Tokyo Medical and Dental University; and Graduate School of Nursing, Japan Red Cross College of Nursing.
4) The curriculum consists of a preliminary examination and a qualifying examination to verify the results of the overall learning process.
5) The curriculum enables students to integrate the knowledge of theory, advanced nursing practices, and research related to disaster nursing (under the guidance of full-time teachers), and create and submit a disaster nursing doctoral thesis.

3 Diploma Policy (Certificate of Completion, Conferment of Degree)

The completion criteria includes acquiring 50 or more credits in the course and stipulates that students pass the dissertation review and final examination after receiving research guidance. The review consists of an integrated assessment of the abilities required to meet the educational objectives of the course. The students who satisfy the completion criteria are awarded the Doctor of Nursing Studies degree and the designation as a Disaster Nursing Global Leader (DNGL).

1) Individuals with the ability to provide support under any disaster situation on the basis of the principle of human security: “live a healthy life that suits you.”
2) Individuals with the ability to work on “policy proposals for healthy living” in various phases of the disaster cycle.
3) Individuals with the ability to work toward realizing a safe and secure society from a global perspective and build collaborations between the industry, academia and government in order to revolutionize institutions and systems.
4) Individuals with the ability to visualize disaster nursing studies from interdisciplinary and international perspectives, as well as conduct research and development in disaster nursing studies.

Curriculum Plan

- Basic Courses in Nursing
- Nursing Research Methods
- Theories in Nursing I
- Theories in Nursing II
- Ethics in Nursing
- Nursing Information Statistics
- Research methods for Public Health and Epidemiology
- Nursing Research Methods I (International Comparative Research) [Remark 1]
- Nursing Research Methods II (Ethnography)
- Nursing Research Methods III (Case Studies & Action Research)
- Nursing Research Methods IV (Grounded Theory)
- Nursing Research Methods V (Phenomenological Research Methods) [Remark 2]
- Nursing Research Methods VI (Including Intervention Research & Scale Development) [Remark 3]

- Interdisciplinary Courses for Disaster Nursing Global Leaders
- Crisis Management Theory*
- Environmental Disaster Prevention Studies*
- Theory of Professional Collaboration and Practice*
- Disaster Medical Sciences*
- Disaster Information Science*
- Disaster Psychology*
- Disaster and Culture*
- Disaster Sociology*
- Disaster Social Welfare*
- Professional Writing*
- Proposal Writing (Research proposal writing skills) *
- Program Writing (Proposal proposal writing skills) *

- Disaster Nursing Seminar
- Theory of Disaster Nursing Activity Seminar 1
- Theory of Disaster Nursing Activity Seminar II
- Disaster Professional Collaboration Seminar (Disaster IP Seminar)
- Disaster Nursing Global Leader Seminar
- Independent Study (Seminar) A
- Independent Study (Seminar) B*
- Independent Study (Seminar) C*
- Independent Study (Seminar) D*
- Independent Study (Seminar) E*

- Disaster Nursing Practicum
- Disaster Nursing Practicum I
- Disaster Nursing Practicum II
- Independent Study (Practicum) A
- Independent Study (Practicum) B*
- Independent Study (Practicum) C*
- Independent Study (Practicum) D*
- Independent Study (Practicum) E*

- Disaster Nursing Dissertation Research
- Field Research
- Disaster Nursing Research and Development
- Doctoral Thesis

Completion Criteria and Study Method

Students are required to be enrolled in the standard five-year term, acquire at least 50 credits in the course, and pass the dissertation review and final examination after receiving research guidance. The review consists of an interdisciplinary course for Disaster Nursing Global Leaders’ courses and two credits must be acquired from the “Interdisciplinary Course for Disaster Nursing Global Leaders” courses and two credits must be from courses in Disaster Nursing Science courses. Furthermore, students must complete 15 credits from each of the constituting universities.

*Refers to transnational stability.
Member of Council of Five Universities

Hiroko Minami
RN, MPN, DNSc.
Coordinator of Five University Presidents
President, University of Kochi

Masayoshi Kiyohara
E.D.
President, University of Hyogo

Yasuyuki Yoshizawa
MD, Ph.D. (Medicine)
President, Tokyo Medical and Dental University

Takeshi Tokuhisa
MD, Ph.D. (Medicine)
President, Chiba University

Sanae Takada
RN, Ph.D. (Nursing)
President, The Japanese Red Cross College of Nursing

University of Kochi

Sawa Fujita
RN, Ph.D. (Nursing)
Oncology Nursing
Dean, Professor, Graduate School of Nursing

Ayami Nakano
RN, Ph.D. (Nursing)
Child Health Nursing
Dean, school of Nursing
Professor, Graduate School of Nursing

University of Hyogo

Noriko Katada
RN, DNSc.
Child Health Nursing
Dean, Professor, Graduate School of Nursing

Atsuko Uchinuno
RN, Ph.D. (Human Sciences)
Oncology Nursing
Dean, school of Nursing
Professor, Graduate School of Nursing

Tokyo Medical and Dental University

Tomoko Inoue
RN, Ph.D. (Health Sciences)
Critical Care Nursing
Professor, Graduate School of Health Care Sciences

Akiko Sasaki
RN, Ph.D. (Medicine)
Community Health Nursing
Professor, Graduate School of Health Care Sciences

Mitsue Maru
RN, DNS (Nursing)
International Nursing Development, Pediatric and Adolescent Nursing
Professor, Graduate School of Health Care Sciences

DNGL Management Center

Hiroko Minami
RN, MPN, DNSc (Nursing)
President of Kochi University
Disaster Nursing
President, Professor, Graduate School of Nursing
University of Kochi

Sayumi Nojima
RN, DNSc (Nursing)
Program Coordinator
Family Health Care Nursing
Vice President, Professor, Graduate School of Nursing
University of Kochi

Satoru Yamada
Ph.D. (Engineering)
Disaster Nursing, Nursing Management
Professor, Graduate School of Nursing
University of Kochi

Makoto Omura
Ph.D. (Science)
Earth Science, Remote Sensing
Professor, Graduate School of Human Life Science

University of Iyo

Kumiko Takezaki
RN, Ph.D. (Nursing)
Gerontological Nursing, Disaster Nursing
Professor, Graduate School of Nursing

Reiko Sakashita
RN, Ph.D. (Health Science)
Gerontological Nursing
Professor, Graduate School of Nursing

Yoshiko Kudo
RN, Ph.D. (Health Science)
Gerontological Nursing
Professor, Graduate School of Nursing

Yoshiko Sasaki
RN, Ph.D. (Nursing)
Emergency Nursing, Disaster Nursing
Professor, Graduate School of Health Care Sciences

Simulation Lab Center

Aiko Yamamoto
RN, RMW, Ph.D. (Nursing)
Director, Simulation Lab Center
Disaster Nursing, Women’s Health Nursing
Executive Director & Professor, Graduate School of Nursing
University of Iyo

Kimiko Nagasawa
Ph.D.
International Social Policy, International Social Work
Professor, Graduate School of Human Life Science

Miwako Konishi
RN, Ph.D. (Nursing)
Adult Nursing
Professor, Graduate School of Nursing

Sakiko Kanbara
RN, Ph.D. (Public Health)
Disaster Nursing
Associate Professor, Graduate School of Nursing

Kaori Ohno
RN, Ph.D. (Health Science)
Nursing home
Professor, Graduate School of Nursing

Yoko Nakayama
RN, Ph.D.
Disaster Nursing
Professor, Graduate School of Nursing

Ayako Okada
RN, Ph.D. (Nursing)
Basic Nursing
Associate Professor, Graduate School of Nursing
Research topics funded by government

- Development of global standard for health need assessment among disabled people in disasters.
- Development of global and national standards for disaster preparedness in nursing.
- Systemic construction of clinic Nurse Practice Act that connects the local/home/hospital in pediatric care.
- Construction of Self Care Nursing Theory in Children based on Nursing Concepts of Practice by Orem.
- Rural hydrology: Geography for restoration of safe and peaceful life in the area suffering radioactive contamination.
- Proposal and verification new elderly health support system combines horticultural therapy and nursing visit.
- Ethnographic study on difficulties of mothers with young children in Rikuzentakata, an affected area of Great East Japan Earthquake.
- Practices and effects of preventive visits to the exhaustive elderly by community nurses.
- Development of a triage, an essential support in the event of a disaster.
- Development of practical drill for disaster nursing during acute, medium, and long-term of a nuclear, biological and chemical disaster.
- Development of advanced practice nurses of each disaster cycle.
- The Development of 2nd Triage for Vulnerable Group on Disaster by Nurses & Care Workers.
- Forming a base for carrying out the training and education of international disaster nursing research.
- Development and effectiveness of an interprofessional-teamworking program promoting community end-of-life care.
- Construction of nursing model on disaster risk reduction with a community monitoring of their daily life.
- Post-disaster reconstitution of psychiatric care system following the Great East Japan Earthquake.
- Development of Local Residents Support System by Local University for Large-scale Disaster Preparedness.
- Apply and construction of Nursing Model enhancing the family resilience after disaster.