

Special symposium at Asian Pacific Conference for Disaster Medicine (APCDM)

WKC Forum: Global Action for Scientific Evidence Improvement in Health Emergency and Disaster Risk Management –Expected Contributions from Asia and Pacific Region-

Background

Over the past few decades, the frequency and severity of natural disasters have exacerbated¹⁾. Increasing and ageing populations, unplanned urbanization, and related demographic trends have added to the potential impacts of disasters. The 2015 Sendai Framework on Disaster Risk Reduction (SFDRR), the resulting document of the 3rd UN World Conference on Disaster Risk Reduction (WCDRR), introduced a major framework for action across the disaster risk management (DRM) continuum (prevention, preparedness, response, and recovery) and seeks to enhance the resilience of communities and of health/social systems²⁾. For the first time, the SFDRR contained over 30 references to health issues. It clearly states one of the objectives of DRM is “the substantial reduction of disaster risk and losses in lives, livelihoods and health.” It also emphasized the strong requirement of improving scientific evidence in health emergency and disaster risk management (H-EDRM). Responding to the results of the 3rd WCDRR, World Health Organization (WHO) has promoted global collaboration between academia, government officials and other stakeholders for the implementation of SFDRR. This global momentum for better scientific evidence is tentatively called the WHO Thematic Platform for H-EDRM Research Network, which is highlighted in the WHO official statement at the 2017 Global Platform for DRR. In 2017, the core group of this Research Network published a review paper on SFDRR implementation and recommendations on H-EDRM research⁴⁾, which highlighted a) research and interventions during all phases of a disaster (not only the acute phase), b) an all-needs approach, including physical, mental and psychosocial health and well-being, in response to the disaster, c) the identification of risk populations with specific health needs in the occurrence of a disaster, d) needs assessments, evaluation methodologies and reporting systems for needs assessments, evaluation methodologies and reporting systems for individual cases and standardizations, e) multidisciplinary and multisectoral approaches, and f) a review of past research for better policy suggestions.

The Asia and Pacific region faces natural disasters frequently and also has the largest number of people affected by disasters⁵⁾. Responding to the frequency of natural disasters, this region has developed health system innovations in collaboration with local/national/international stakeholders including WHO Regional Offices (Western Pacific Regional Office, South-East Asia Regional Office) and WHO Country Offices. There have been various innovations, including several systems developed in Japan to convene critical health workforces to the affected area (Disaster Medical Assistance Team (DMAT), Disaster Psychiatric Assistance Team (DPAT), Disaster Health Emergency Assistance Team (DHEAT)), and an early warning disease surveillance system after disaster developed by the Philippines in collaboration with WHO (Surveillance in Post Extreme Emergencies and Disasters (SPEED⁶⁾)). In 2017, following the progress of SPEED implementation, the development and implementation of Japan-SPEED (J-SPEED⁷⁾), and WHO Emergency Medical Team (EMT) initiative to standardize post-disaster medical data collection in collaboration with Israel and Japan International Corporation Agency (JICA), an EMT minimum data set (MDS) was developed and adopted by WHO Strategic Advisory Group. MDS contributes to the improvement of generating future scientific evidence in DRM. Following its development, MDS has been shared and used

systematically under the initiative of Project for Strengthening the ASEAN Regional Capacity on Disaster Health Management (ARCH Project).

WHO Centre for Health Development (WHO Kobe Centre (WKC)) has been working on H-EDRM since its establishment in response to the Great Hanshin Awaji Earthquake in 1995. Under its 10-year strategy (2016-2026), WKC has been conducting H-EDRM research in collaboration with local/national/regional and global partners. Given the context above, collaborating with APCDM, WKC convenes key stakeholders to discuss future collaborations for further H-EDRM scientific evidence improvement.

Reference

- 1) <https://www.unisdr.org/we/inform/disaster-statistics>
- 2) https://www.preventionweb.net/files/43291_sendaiframeworkfordrren.pdf
- 3) https://www.researchgate.net/publication/316304860_Emergency_Medical_Team_Working_Group_for_Minimum_Data_Set
- 4) <https://link.springer.com/article/10.1007/s13753-017-0122-0>
- 5) <http://picssr.com/photos/isdr/interesting?nsid=56651366@N00>
- 6) https://interagencystandingcommittee.org/system/files/legacy_files/WHO%20SPEED%20Presentation.pdf
- 7) <https://www.j-speed.org/>

Objectives

This symposium and the following expert meeting aims to overview the above-mentioned global context of DRM in connection with SFDRR, WHO Thematic Platform for EDRMH Research Network, WHO EMT MDS and SPEED/JSPEED by highlighting their key backgrounds, as well as to discuss Japan's possible future contribution to those global momentum and the practical steps to develop a close research network in Asia and Pacific Region and how to maximize their collaborations.

Venue: Seaside Hotel Maiko Villa Kobe, Kobe, Japan

Date: 16 and 17 Oct 2018

Preliminary program:

Day 1: Symposium 16 Oct 2018, 15:15-18:30

Moderator: Dr Ryoma Kayano, Technical Officer, WKC

15:15-15:25 Opening remarks

Dr Sarah Louise Barber, Director, WKC

Dr Shinichi Nakayama, Conference President, APCDM

14:25-16:40 Keynote Speech

- 1) "Health Imperative in DRM and Global Action for Sendai Framework Implementation"
Mr Jonathan Abrahams: Disaster Risk Management Focal Point, Country Health Emergency Preparedness and International Health Regulations (CPI) Department, WHO
- 2) "WHO Thematic Platform for H-EDRM Research Network - global collaboration for scientific evidence"

Professor Virginia Murray: Head of Global Disaster Risk Reduction, Public Health England, UK

3) “What is Known and Unknown, and Required for H-EDRM Research?”

Professor Emily Ying Yang Chan: Professor and Centre Director, Collaborating Centre for Oxford University and CUHK for Disaster and Medical Humanitarian Response (CCOUC), Hong Kong

4) “Development of SPEED and its Contribution to DRM in Philippines”

Professor Teodoro Herbosa: Executive Vice President, University of the Philippines

5) “Development of WHO EMT MDS, and J-SPEED Implementation”

Dr Tatsuhiko Kubo: Associate Professor, Department of Environmental Epidemiology, University of Occupational and Environmental Health, Japan

6) “Minimum Data Set Implementation in ASEAN Region under ARCH Project”

Dr Phumin Silapunt: Deputy Director, Chulabhorn Hospital, Thailand

16:40-16:50 Coffee break

16:50-18:20 Panel discussion: Key Area of Work in H-EDRM Research and Up-to-Date Activities

Part 1: 16:50-17:35: “Post-disaster health support system and data management system in Japan”

Chairs: Dr Tatsuro Kai, Saiseikai Senri Hospital, Japan, and Professor Emily Ying Yang Chan

1) “How to Build Strong Domestic Emergency Medical Teams Capacities - The Case of Japan”

Dr Yasuhiro Otomo: Professor, Department of Acute Critical Care and Disaster Medicine, Tokyo Medical and Dental University Graduate School of Medicine, Japan

2) “DPAT Activity for Disaster Mental Health”

Dr Sayaka Gomei: Research Associate, Department of Emergency and Clinical Care Medicine, Emergency Medical Center, Dokkyo Medical University Saitama Care Medicine, Japan (speaking on behalf of Dr Michiko Watari, Deputy Director, DPAT Secretariat)

3) “Disaster Health Emergency Assistant Team (DHEAT): Establishment and Roles”

Toshiyuki OJIMA: Professor of Department of Community Health and Preventive Medicine, Hamamatsu University School of Medicine, Japan

4) “Disaster Risk Management in Health: The Role of Global Center for Disaster Statistics”

Dr Shinichi Egawa, M.D., Ph.D., F.A.C.S.: Professor, Division of International Cooperation for Disaster Medicine, International Research Institute of Disaster Science (IRIDeS), Tohoku University, Sendai, Japan

Part 2: 17:35-18:20: “Post-disaster psychosocial management and research activity”

Chairs: Dr Sho Takahashi, Associate Professor, University of Tsukuba, and Professor Virginia Murray

1) “The national scaling of mental health response capacity throughout Japan”

Dr. Yoshiharu Kim: President of National Information Center of Stress and Disaster Mental Health, Director for Division of Behavioral Medicine, National Institute of Mental Health, National Center for Neurology and Psychiatry, Japan

2) “The public health approach to supporting resilience in a traumatized community: the case of Lac-Mégantic”

Dr MéliSSa Généreux, MD, MSc, FRCPC: Public Health Director for the Estrie Region (Quebec, Canada), Associate Professor, Faculty of Medicine and Health Sciences, University of Sherbrooke (Quebec, Canada)

3) “The role of nurses –comprehensive service provision for physical, mental and psychosocial needs of disaster survivors”

Professor Sonoe Mashino, Executive Director, Research Institute of Nursing Care for People and Community, University of Hyogo, Japan

4) “Rapid Assessment System of the Mental Health and Psychosocial Support Needs in the Disasters by Emergency Medical Teams in the ASEAN region”

Mr. Yosuke Takada, RN, PHN, MSc. : Assistant Professor, Department of Disaster Medicine and Management, Okayama University Graduate School of Medical, Dentistry and Pharmaceutical Sciences, Okayama, Japan

18:20-18:30 Closing Remarks

Dr Heather Papowitz, Program Area Manager/ Emergency Operations, WHO Health Emergencies Programme (on behalf of Dr Ailan Li, Regional Emergency Director/Director, Health Security and Emergencies), WHO Regional Office for Western Pacific

Dr Nilesh Buddh, Health Emergency Officer (on behalf of Dr Roderico Ofrin, Regional Emergency Director), WHO Health Emergencies Programme, WHO Regional Office for South-East Asia

Day 2: Expert roundtable on strategic and structured development of scientific evidence through collaboration among Asian and global researchers

Date: 17 Oct 2018, 13:00-14:45 (105 min)

Participants:

WHO (Dr Sarah Louise Barber, Mr Jonathan Abrahams, Dr Heather Papowitz, Dr Nilesh Buddh, Dr Ryoma Kayano), TPRN (Professor Virginia Murray, Professor Emily Ying Yang Chan, Dr MéliSSa Génereux), JICA and ARCH Project (Mr Shuichi Ikeda¹, Dr Tatsuro Kai, Dr Phumin Silapunt, Dr Yasushi Nakajima, Dr Ferdinal Fernando², Ms Agustina Tnunay³), MHLW and related projects (Dr Yuichi Koido⁴, Dr Yasuhiro Otomo, Dr Toshiyuki Ojima, Dr Yoshiharu Kim, Dr Tatsuhiko Kubo, Dr Sho Takahashi), Professor Teodoro Herbosa, Dr Shinichi Egawa, Professor Sonoe Mashino, Dr Paul Farrel⁵, Dr Yasuhiro Kanatani⁶, and Dr Nobuyo Tsuboyama-Kasaoka⁷

1. Chief Advisor, ARCH Project, JICA
2. Assistant Director & Head of Health Division, Human Development Directorate, ASEAN Socio-Cultural Community Development, ASEAN Secretariat
3. Preparedness and Response Officer, AHA Centre
4. Director, DMAT Secretariat, MHLW and Representative Director, Japanese Association for Disaster Medicine
5. World Association for Disaster and Emergency Medicine
6. Director, Department of Health Crisis Management, National Institute for Public Health
7. Head, Section of Dietary Reference Intakes, National Institute of Health and Nutrition

Observers (tentative):

Dr Shinichi Nakayama

Dr Hiroshi Kato, Director, Hyogo Institute for Traumatic Stress

Mr Chiu Cheuk Pong, Clinical Tutor, CCOUC, The Chinese University of Hong Kong