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Name of the University, Hospital, Research Institute, Academy or Ministry

Gunma University

Name of the Division, Department, Unit, Section or Area

Centre for Research and Training on Interprofessional Education

City Maebashi-City Reference Number JPN-89

Title WHO Collaborating Centre for research and training on Interprofessional Education

Report Year 07-2013 to 07-2014

1. Please briefly describe the progress made in the implementation of your agreed workplan as WHO collaborating centre during the past 12 months (or the reporting period listed above). Please report on how each workplan activity was implemented, if any outputs have been delivered, if any results have been achieved and if any difficulties have been encountered during this time. If an activity has previously been completed, has not started yet, or been placed on hold, please indicate this.

Activity 1

Title: Better understanding and dissemination of WHO/WPRO initiatives in IPE and CP

Description: The Commission on Education of Health Professionals for the 21st Century has published an article calling for a global social movement in order to promote a new century of transformative professional education. The Commission recommended the promotion of IPE and trans-professional education as one of the ways to improve performance of instructional reforms in the transformative health professional education. The WHO HRH Policy is to scale up and transform health professions education to better address population needs in the 21st century.

There are several organizations that promote IPE/CP nationally or internationally. These academic organizations make a flexible inter-federation network and have international meetings on some regular basis, such as All Together Better Health (ATBH) and Collaborating Across Borders (CAB) annual conference. These conferences facilitate knowledge sharing and experience exchange, and to establish evidence-based IPE and CP in developed countries' needs, but not focus on the introduction of IPE in response to developing countries' needs that must fit with WHO policy. JIPWEN is one of the leading network organizations in the inter-federation network. For promotion of effective IPE to succeed, with JIPWEN convening and networking capacities through the communication with international and national governmental agencies of education and health sectors as well as international academic institutes, Gunma University will support the WHO global and regional strategy on promoting multi-sector collaboration in IPE and CP by organizing and planning international symposiums with WHO staff as well as actively participating in these international conferences.

Outcomes (Works):

Annual international symposium in terms of IPE and CP that the centre convened

1) The centre convened Gunma University WHO Collaborating Centre Symposium, 5 July 2014, with staff from WHO and GHWA, faculty staff from Ateneo De Manila University, faculty staff from Mongolian National University of Medical Sciences, a member of the Japanese House of Councilors, Japanese governmental staff of Ministries of educational and health sectors and JICA, staff of WHO CCs in Japan, faculty staff from JIPWEN member universities, and community administrative officers, and so on.

International conferences that the centre and JIPWEN universities participated

- 1) The centre sent Watanabe H, Lee B, and Makino T to The Third Global Forum on Human Resources for Health, 9 - 13 November 2013, to discuss the role of IPE in Universal Health Coverage.
- 2) The centre sent Watanabe H, and Lee B to AMEWPR Medical Education International Seminar, 8-10 December 2013, to discuss IPE of medical education in Western Pacific Region.
- 3) The centre sent Watanabe H, Shinozaki H, Lee B, Makino T, Matsui H, Ito T (JIPWEN), Sohma H (JIPWEN), and Yamamoto T (JIPWEN) to Prince Mahidol Award Conference 2014, 27 - 31 January 2014, to discuss and show the evidence for the effects on IPE.
- 4) The centre sent Watanabe H, Shinozaki H, Tokita Y, and Kururi N to All Together Better Health VII, 6-8 June 2014, to discuss the evidence for the effects on IPE or CP.

Dissemination of IPE in the context of WHO strategy

- 1) The centre organized a webinar presentation in terms of IPE in the Distinguished Educator Certificate Program Series conducted by The Education Academy of Interprofessional Transplantation Society (TTS), Ohio (USA), 18 October 2013.

Outcome (Lectures and presentations):

- 1) Watanabe H: Interprofessional education (IPE) -Global needs, worldwide momentum, case presentation and assessments-. The Education Academy of International Transplantation Society (TTS), Ohio (USA), 18 October, 2013.
- 2) Watanabe H: The role of interprofessional education in the effective delivery of integrated care. The 3rd Global Forum on Human Resources for Health, Recife (Brazil), 9 - 13 November, 2013.
- 3) Watanabe H: Interprofessional Education in Western Pacific Region. AMEWPR Medical Education International Seminar, Seoul (South Korea), 8-10 December, 2013.
- 4) Makino T: Interprofessional Education (IPE) -Training and Evidence-. Prince Mahidol Award Conference 2014, Pattaya (Thailand), 27-31 January, 2014.
- 5) Watanabe H: Interprofessional Education (IPE) in Western Pacific Region, Prince Mahidol Award Conference 2013, Pattaya (Thailand), 27-31 January, 2014.
- 6) Watanabe H: Interprofessionalism in a Global Context, All Together Better Health VII, Pittsburgh (USA) 6-8 June 2014.
- 7) Tokita T, et al. Changes in attitudes toward healthcare teams through the IPE training course. All Together Better Health VII, Pittsburgh (USA) 6-8 June 2014.
- 8) Igarashi A, et al. Changes in attitudes toward interprofessional health care teams between Gunma University and Kanazawa University. All Together Better Health VII, Pittsburgh (USA) 6-8 June 2014.
- 9) Kururi N, et al. A literature review on Interprofessional Education in the Western Pacific Region. All Together Better Health VII, Pittsburgh (USA) 6-8 June 2014.
- 10) Saiki A. Outcome of the IPE training in Gunma University - from the students' perspective -. All Together Better Health VII, Pittsburgh (USA) 6-8 June 2014.
- 11) Shinozaki H: Initiative of Interprofessional Education of Gunma University, Gunma University WHO CC Symposium, Maebashi (Japan), 5 July, 2014.

Results:

The centre contributed to better understanding of IPE in the context of overall transformative scaling up of health professional education through these activities for health professional educators, health practitioners, administrative staff in education and health sectors at community, national, regional, and global levels.

Difficulty:

Nothing

Activity 2

Title: Collecting evidence for the effect of IPE on attitudes of learners and educators toward IPE and CP

Description: To disseminate IPE under the WHO HRH Policy to scale up and transform health professional education evidence for the concrete effects of IPE on improving the learners' attitudes to better address population needs in the 21st century and eventually health higher quality of the stakeholders must be required. However, there are few publications describing the evidence for the effect of IPE on the health workforce quality, since there have been few standard tools assessing it quantitatively. Gunma University has developed an instrument measuring the attitudes of various stakeholders towards IPE and CP. On the basis of robust networking of JIPWEN, Gunma University will share this information among JIPWEN universities and promote their research work in evaluating the efficacy of IPE programs. Under WHO's coordination, Gunma University will coordinate and promote research activities of JIPWEN universities to collect evidence for the effect of IPE programs on attitudes of learners and educators toward IPE and CP.

On the other hand, the collection of the evidence will be required to academic staff of the various health professions among various universities in the Western Pacific region, as IPE programs will be introduced in the region. Among those universities, under WPRO's coordination Gunma University will promote their research work in evaluating the effect of IPE programs on attitudes of learners and educators toward IPE and CP in collaboration with JIPWEN universities.

Outcome:

The centre and JIPWEN Universities published three scientific papers in English and six scientific papers in Japanese. Scientific papers provide the evidence of the longitudinal attitudinal changes in undergraduate students and attitudinal changes of alumni after interprofessional education. Nine presentations that related to interprofessional education were conducted in the scientific international conference.

Results:

The centre with JIPWEN universities contributed to provide the evidence of the effect of the transformative scaling up of health professional education through conducting these activities.

Difficulty:

Nothing

References:

Research papers in English

- 1) Makino T, et al. Attitudes toward interprofessional healthcare teams: a comparison between undergraduate students and alumni. *Journal of Interprofessional Care*, 27(3): 261-8, 2013.
- 2) Yamamoto T, et al. (JIPWEN) Development of a new measurement scale for interprofessional collaborative competency: a pilot study in Japan. *Journal of Interprofessional Care*, 28(1): 45-51, 2014.
- 3) Kururi N, et al. Repeated cross-sectional study of the longitudinal changes in attitudes toward interprofessional health care teams amongst undergraduate students. *Journal of Interprofessional Care*, 28(4): 285-91, 2014.

Activity 3

Title: Conducting literature review on the efficacy of IPE and CP

Description: Gunma University together with JIPWEN universities will conduct and develop biennially literature review on the efficacy of IPE and CP, to update and improve the IPE and CP, and report it to WHO.

This activity will provide and update evidence for transformative scale up of health professional education.

Outcome:

An extensive review of the literature search in July 2011 and February 2014 was conducted. The centre used the review protocol defining a review question, extensive search strategy and inclusion-exclusion criteria as same as that were used in the Transforming and scaling up health professionals' education and training: WHO guidelines 2013. The search strategy identified 197 potentially relevant citations. After screening 197 citations, we determined that 22 met our inclusion criteria. Most of the evidence demonstrated that IPE programs were effective for the students from different professionals in improving their attitude toward IPE and CP and appreciation of the roles of own or other professions.

Results:

The evidence of the efficacy of IPE program were provided and updated by this activity. This activity provided and updated evidence for transformative scale up of health professional education.

Difficulty:

Nothing

Activity 4

Title: Collaboration with Education Development Centers in Western Pacific Region introduces IPE, under the coordination of WHO

Description: WHO supports the establishment of Education Development Center (EDC). Under WHO's coordination, Gunma University together with JIPWEN universities will visit the regional universities, collaborate with EDC, and share its experience in terms of IPE and CP by organizing joint workshops and lectures.

Outcome:

Under WPRO's coordination, the 2-days capacity building workshop and lecture were co-hosted by the centre and University of Health Sciences Lao PDR, EDC, in Lao PDR on 31 March 2014 to 1 April 2014. The centre sent four academic staff to the workshop. Total of 23 participants participated in this workshop.

Results:

The workshop provided the knowledge and experience concerning IPE and was expected to contribute to initiation of IPE in Lao PDR.

Difficulty:

Nothing

Activity 5

Title: Development of training course for educators and health practitioners

Description: Gunma University has provided IPE curricula since 1999, and the achievement and the effect on attitudes toward IPE and CP in the undergraduate students have been demonstrated scientifically and quantitatively. The sustainable implementation and the scientific evaluation owe much to the gentle and careful guides for students and teaching staff. Gunma University translated those guides in English in 2011. Gunma University will develop training course for educators and health practitioners who are interested in the introduction of IPE curricula through the collaborative activities, especially in the Western Pacific Region. Furthermore Gunma University will propose to other member universities that they develop their own training courses since the curricula implemented in JIPWEN universities are diverse in their contents.

Outcome:

The centre with JIPWEN universities held IPE training course 2013 at Gunma University on 20th- 26th August, 2013. Two educators from University of Philippine, the Republic of the Philippines, and two staff from the Indonesian WHO country office, the Republic of Indonesia, attended the course to learn how the IPE training is established or developed.

Results:

This activity supported expanding linkages with health professional education institutions and providing IPE training courses in Western Pacific Region and other region. Two participants disseminated the contents of the workshop in international IPE conference, ATBH VII, as follows, although their country is not WPR member:

Lhuri Dwianti Rahmartani & Samuel Josafat Olam. Lessons from Japan: The Importance of Culture and Work Ethics in Promoting Interprofessional Education and Collaborative Practice. (Universitas Indonesia, Indonesia Young Health Professionaks' Society (IYHPS)) All Together Better Health VII, Pittsburgh (USA) 6-8 June 2014;

Difficulty:

Nothing

2. Please briefly describe your collaboration with WHO in regards to the activities of the WHO collaborating centre during the past 12 months (e.g. means of communication, frequency of contact, visits to or from WHO). Please feel free to mention any difficulties encountered (if any) and to provide suggestions for increased or improved communication (if applicable).

1) The centre sent Watanabe H, Shinozaki H, Lee B, Makino T, Matsui H, Ito T, Sohma H, and Yamamoto T to Prince Mahidol Award Conference 2014 to discuss and show the evidence for the effects of IPE, 27 - 31 January, 2014

2) The centre sent Watanabe H, and Lee B to AMEWPR Medical Education International Seminar to discuss IPE in Western Pacific Region, 8-10 December, 2013

3) The centre sent Watanabe H, Lee B, and Makino T to The 3rd Global Forum on Human Resources for Health to discuss the role of IPE on Universal Health Coverage, 9 - 13 November, 2013

4) The centre attended the Human Resources for Health Dialogues: Webinar and online discussion, 5 May, 2014

5) The centre hold Gunma University WHO Collaborating Centre Symposium with Team Leader of HRH/WPRO as keynote speaker, 5 July, 2014

3. Please briefly describe any interactions or collaborations with other WHO collaborating centres in the context of the implementation of the above activities (if any). If you are part of a network of WHO collaborating centres, please also mention the name of the network, and describe any involvement in the network during the last 12 months.

1) The Centre invited all WHO collaborating Centre in Japan to Gunma University WHO collaborating Centre Symposium on 5 July 2014 to share each collaborating activities. Staff from WHO CC for Translation of Oral Health Science (Niigata University), WHO CC for Nutrition and Physical Activity (National Institute of Health and Nutrition), and WHO CC for Radiation Emergency Medicine (National Institute of Radiological Sciences) participated in Gunma University WHO collaborating Centre Symposium, and discussed each other about collaborating activities among these WHO CCs. This resulted in an establishment of a network sharing each advantage and informations.

4. Please briefly describe any type of technical, programmatic, advisory or other support received from WHO during the past 12 months for the implementation of the agreed activities listed above (if any).

- 1) The centre received the advice from team Leader HRH WPRO regarding on the program of IPE training course 2013 that was implemented at Gunma University on 20th- 26th August, 2013.
- 2) The centre received the advice from team Leader HRH WPRO regarding on the program of IPE workshop that was held in Lao PDR on 31 March 2014 to 1 April 2014.