

Folder eCC_00015745 is in stage Annual_Report_Due

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

National Center for Global Health and Medicine

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

Disease Control and Prevention Center, National Center for Global Health and Medicine Hospital

City	Shinjuku-ku	Reference Number	JPN-94
Title	WHO Collaborating Centre for Prevention, Preparedness and Response to Emerging Infectious Diseases		
Report Year	04-2018 to 04-2019		

1. Annual report on the agreed workplan

Describe progress made on the agreed workplan. For each activity, detail (1) the actions taken, (2) the outputs delivered, as well as (3) any difficulties that may have been encountered. Three responses are expected. [maximum 200 words per activity]. Indicate, if an activity has been completed previously, has not yet started or has been placed on hold.

Activity 1

Title: To provide policy and technical advice to WHO and Member States in implementation of APSED
Description: The proposed institution will provide technical advice on the planning and implementation of IPC and clinical management components (Focus Area 5: Prevention through Healthcare) of the Asia Pacific Strategy for Emerging Diseases and Public Health Emergencies (APSED III) via APSED Technical Advisory Group (TAG) meeting, regional consultations/meetings and country visits.

Status: ongoing

Dr. Masahiro ISHIKANE attended the Meeting of the Bi-regional Technical Advisory Group on the Asia Pacific Strategy for Emerging Diseases and Public Health Emergencies (APSED □): Advancing Implementation of the IHR (2005) at the request of the WHO (June 19-21, 2018, New Delhi, India). At the meeting, he provided technical advice on the planning and implementation of infection prevention and control (IPC) and clinical management components.

Dr. Satoshi KUTSUNA and Dr. Shinichiro MORIOKA participated in the 2018 Tranquil Terminus Full-Scale Exercise, a national-wide transfer exercise of Ebola virus disease patients in U.S.A. (11-12 April 2018), and visited Emergency Operation Center, CDC, Atlanta in order to discuss necessary measures on preparedness for emerging and reemerging diseases (21 May 2018), upon request from Ministry of Health, Labour and Welfare (MHLW), Japan.

Dr. Satoshi KUTSUNA participated in training on CDC's pandemic influenza (11-15 September 2018), and discussed with the relevant parties on the actual response, and shared information on Japan's situation.

Activity 2

Title: To provide in-country training and technical advice on infection prevention and control (IPC) and clinical management of emerging infectious diseases (EIDs)

Description: The proposed institution will provide training and technical advice on IPC or clinical management of emerging infectious disease such as EVD, MERS, Dengue fever and Zika virus disease and antimicrobial resistant infections, in collaboration with WHO, National Institute of Infectious Diseases in Japan (NIID) and specialist from Asia Pacific Region, via in-country visits and on-line meetings. Through this activity, NCGM will contribute to strengthen IPC or clinical management of emerging infectious disease as a major component of national preparedness in the region.

Status: ongoing

Dr. Satoshi KUTSUNA participated as a short-term consultant to strengthen IPC and Antimicrobial Stewardship (ASP) in partnership with the Japan International Cooperation Agency (JICA) at Cho Ray Hospital, Ho Chi Minh City, Vietnam (May 9-18, 2018, and March 10-18, 2019). He gave lectures and provided advice on IPC, clinical management of infections caused by carbapenem-resistant Enterobacteriaceae (CRE), and ASP. He will engage again as a short-term consultant in 2019 to provide follow-up and advance the relevant capacities.

Dr. Sho SAITO, Dr. Satoshi KUTSUNA, and Dr. Masahiro ISHIKANE provided oral care training for all nurses at general intensive care units (ICUs) of Cho Ray Hospital, Ho Chi Minh City, Vietnam, to reduce ventilator-associated pneumonia due to AMR. They developed new oral care training guidelines for use in resource-limited settings. The guidelines will integrate the Cho Ray Hospital nursing textbook.

In addition, Dr. Saho TAKAYA and Dr. Masahiro Ishikane reviewed and advised the National infection prevention and control policy in PNG (third edition) requested on WPRO.

Activity 3

Title: To participate in monitoring and assessments of in-country capacity in relation to IHR core capacities through APSED

Description: The proposed institution will participate in the monitoring and evaluation activities of IHR implementation, including the areas of IPC and clinical management component, upon request from the WHO.

Status: ongoing

The Asia-Pacific Economic Cooperation (APEC) forum occurred in Port Moresby, Papua New Guinea, in November 2018. The National Department of Health of Papua New Guinea held a four-day workshop on IPC in July 2018, in which the Disease Control and Prevention Center (DCC) at the National Center for Global Health and Medicine provided technical advice with WPRO. This workshop was designed to increase understanding of basic IPC operations and practices, as well as to help participants develop action plans based on IPC assessments conducted at each hospital. Workshop participants shared their knowledge, good practices, challenges, and lessons learned from their work and experience in IPC. The workshop was also a networking opportunity for hospitals for capacity development and monitoring and evaluation for improvement of IPC during and after the APEC. The report was published on the WPRO website

(<https://www.who.int/westernpacific/news/feature-stories/detail/who-strengthens-collaboration-for-infection-prevention-and-control-in-the-region?fbclid=IwAR1OkcEMkzJO14W3-t-gQGHsg8izu-LE71jj71xSyhWGxkAsUtoXkOmiBw>) .

At the request of WPRO, Dr. Yoshiaki GU participated in the Informal Consultation on Strengthening Antimicrobial Resistance Surveillance in the Western Pacific Region as a consultant (April 23-25, 2019, WPRO conference room in Manila, the Philippines). Consultants and participants from member states discussed the current situation for improved AMR surveillance, including systems, training, coordination, and international support.

Activity 4

Title: To share information and knowledge on best practices of IPC and clinical management of EIDs

Description: NCGM plans to collect and share best practices of IPC and clinical management of emerging infectious diseases including antimicrobial resistant infections with health care professionals via workshops and seminars at NCGM.

NCGM will share information of best practices of IPC and clinical management through e-learning and other online channels.

Status: ongoing

The DCC developed guidelines on IPC and clinical management of AMR in English for resource-limited countries, and shared these documents through the DCC website

(http://dcc.ncgm.go.jp/activity/Other_activities/2018/2018.html). These documents were divided into hand hygiene, IPC, AMR global situation and strategy, management of outbreaks in health facilities, experience and lessons sharing such as IPC in the occurrence and control of measles, outbreak simulation exercise on IPC, and IPC assessment framework. The DCC can also provide a four-day IPC workshop in limited-resource and underdeveloped-infrastructure settings upon request.

Activity 5

Title: To provide technical support in the investigation of EID outbreaks

Description: The proposed institute will provide technical supports in the investigation of emerging infectious diseases including AMR, upon request from WHO.

Status: ongoing

Dr. Masahiro ISHIKANE conducted an investigation of the Zika and measles outbreaks in Brazil, Cuba, and Venezuela, at the request of the Ministry of Foreign Affairs of Japan (November 5-16, 2018). He discussed the problem of epidemics in Venezuela with Dr. Malhi Cho, Advisor in Health Systems and Services at the Pan American Health Organization (PAHO), WHO.

Dr. Satoshi KUTSUNA conducted an investigation of the Crimean-Congo hemorrhagic fever (CCHF) in Turkey at the request of the Ministry of Health, Labour and Welfare (MHLW) of Japan (April 15-18, 2019). He visited the Ankara Yildirim Beyazit University, the Ankara Training and Research Hospital, and the Ministry of Health. He also discussed and gave a lecture on IPC and clinical management of CCHF to the local doctor.

Activity 6

Title: As part of outbreak response, to provide technical assistance in improving IPC and clinical management of EIDs

Description: The proposed institute will provide on-site or remote technical assistance or training in improving IPC and clinical management of emerging infectious diseases including AMR, upon request from WHO.

Status: ongoing

The DCC provided personal protective equipment (PPE) to Cho Ray Hospital in Ho Chi Minh City, Vietnam, to prepare for ICP against emerging infectious diseases (EIDs). The infection control team at Cho Ray Hospital is preparing to set up a system against EIDs in the hospital, referring to the provided PPE. The DCC also provided information on how to attach and remove PPE and support training for Ebola and avian influenza response by the infection control team at Cho Ray Hospital.

As a part of remote technical assistance or training to improve IPC and clinical management of EID and AMR, the activities of the DCC were published on the website of the Strategic Partnership for International Health Regulations (2005) and Health Security (SPH), at the request of the WHO headquarters (HQ) (<https://extranet.who.int/sph/donor-partner-landscape>). The DCC operates in the fields of AMR, immunization, emergency preparedness, emergency response operations, and medical countermeasures and personnel deployment.

Dr. Satoshi KUSUNA visited Liverpool School of Tropical Medicine (LSTM) on April 1-4, 2019, and discussed the joint clinical research of CCHF in Turkey. He shared information on the epidemiology and treatment of Severe Fever with Thrombocytopenia Syndrome (SFTS) in Japan.

2. Annual report on other activities requested

Should WHO have requested activities in addition to the agreed workplan, please describe related actions taken by your institution [maximum 200 words]. Please do not include in this report any activity done by your institution that was not requested by and agreed with WHO.

At the request of WPRO, Dr. Masahiro ISHIKANE participated as an observer in the Guidelines Development Committee Meeting, which aimed at updating the WHO standard guidelines for the clinical management of influenza infections (March 25-27, 2019, Geneva, Switzerland). The guidelines should be shared in 2019.

Also, at the request of WPRO, the DCC advised on the components of pediatric anti-influenza drugs and on the preparation for influenza outbreaks in resource-limited settings. In addition, Dr. Shinya TUSZUKI, Dr. Nobuaki MATSUNAGA, and Dr. Masahiro ISHIKANE conducted a literature review on the implications of AMR in secondary infection during influenza pandemics in resource-limited countries.

At the request of HQ, Dr. Yoshiki KUSAMA reviewed and summarized the situation of the antimicrobial development pipelines and pre-pipelines in Japan. He discussed the issue with Dr. Sarah Paulin, Technical Officer, Innovation, Access and Use, Essential Medicines and Health Products, Medicines, Vaccines and Pharmaceuticals at WHO-HQ.

At the request of the MHLW of Japan and HQ, Dr. Mugen UJIE attended the Integrating Research into Response workshop (May 1-2, 2018, Geneva, Switzerland). He discussed current initiatives and future directions for bringing out outbreak response research with over 90 participants from 56 GOARN member institutions, from several WHO regions and nine WHO departments.

3. Resources

Indicate staff time spent on the implementation of activities agreed with WHO (i.e. those mentioned in questions no. 1 and no. 2 above). Do not include any data related to other activities done by your institution without the agreement of WHO. Please indicate staff time using the number of “full-day equivalents” – a day of work comprising 8 hours (e.g. 4 hours work per day for 7 days should be recorded as 3.5 full-day equivalents).

Number of staff involved (either partially or fully)

Senior staff	Mid-career staff	Junior staff, PhD students
4	10	0

Number of full-day equivalents, total for all staff involved

Senior staff	Mid-career staff	Junior staff, PhD students
7	4	0

Implementation of the agreed workplan activities (i.e. those mentioned in questions no. 1 and no. 2 above) normally require resources beyond staff-time, such as the use of laboratory facilities, purchasing of materials, travel, etc. Please estimate the costs of these other resources as a percentage of the total costs incurred (e.g. if you incurred costs of USD 100 and the value of your staff time was USD 50 which makes the total of USD 150, please report 33.3% and 66.7%).

Percentage of costs associated with staff time	Percentage of costs associated with other resources	Total
25.00	75.00	100.00

4. Networking

Describe any interactions or collaboration with other WHO Collaborating Centres in the context of the implementation of the agreed activities If you are part of a network of WHO Collaborating Centres, please also mention the name of the network and describe your involvement in that network [maximum 200 words].

Dr. Masahiro ISHIKANE participated in the second Japanese WHO Collaborating Centers meeting (April 14, 2018, Tokyo), which was also attended by Dr. Takeshi Kasai, Director of Program Management, and Dr. Tomohiko Makino, Medical Officer, Program Management, Country Support Unit, WHO/WPRO. Thirty-one WHO Collaborating Centers in Japan participated in the meeting. We discussed and made recommendations toward the third Regional Forum of WHO Collaborating Centers in the Western Pacific (November 22-23, 2018) as a WHO Collaborating Center in Japan.

Dr. Masahiro ISHIKANE participated in the third Regional Forum of WHO Collaborating Centers in the Western Pacific (November 22-23, 2018, Ho Chi Minh City, Vietnam). At the meeting, he discussed the mechanism of sharing timely and local needs between WPRO, WHOCC, and the Ministry of Health MOH based on the APSED III. He also shared the experience at the IPC workshop in Papua New Guinea and collaborated with WPRO and the Papua New Guinea MOH, as one of the good models.

The DCC plans to implement the GOARN training course in Japan in 2019, thus collaborating with HQ, WPRO, MHLW of Japan, and other WHOCCs in Japan.