

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** 04-2019 to 04-2020

**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. Norio OHMAGARI attended the Meeting of the Technical Advisory Group on the Asia Pacific Strategy for Emerging Diseases and Public Health Emergencies (APSED III): Advancing Implementation of the International Health Regulations (IHR) (2005) at the request of the World Health Organization (WHO) (June 24-27, 2019, Manila, Philippines). At the meeting, he provided technical advice on the planning and implementation of infection prevention and control (IPC) and clinical management components.

**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. Norio OHMAGARI attended the IPC meeting in Bach Mai Hospital (June 5-7, 2019, Hanoi, Vietnam). At the meeting, he provided technical advice on the planning and implementation of IPC and clinical management components to approximately 100 Health Care Workers (HCWs). In addition, he attended the IPC meeting in Sulilanti Saroso Infectious Diseases Hospital (August 7-9, 2019, Jakarta, Indonesia), wherein he provided technical advice on the planning and implementation of IPC and clinical management components to approximately 50 HCWs.

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 (December 1-5, 2019). He delivered lectures and provided advice on IPC, clinical management of infections caused by carbapenem-resistant Enterobacteriaceae (CRE), and ASP.

### **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

Dr. Norio Ohmagari attended the Meeting of the Technical Advisory Group on the Antimicrobial Resistance (AMR) at the request of the WHO (July 24-25, 2019, Manila, Philippine). At the meeting, he provided technical advice on the planning and implementation of IPC and clinical management components for AMR.

Dr. Masahiro ISHIKANE participated in the WHO joint external evaluation (JEE) mission in Malaysia as a WHO international member (October 20-25, 2019). He was the leader and co-leader of the antimicrobial resistance and surveillance teams, respectively. After discussions with the Ministry of Health, Malaysia, he reported on the strengths and challenges experienced in each field.

Dr. Sho SAITO, Dr. Satoshi KUTSUNA, Dr. Shinichiro MORIOKA, and Ms. Sangnim LEE conducted a workshop on oral care IPC and ASP in Sulilanti Saroso Infectious Diseases Hospital (July 8-11, October 9-13, 2019, Jakarta, Indonesia). They reported improved knowledge levels about hand hygiene and oral care among the participating health care professionals. All relevant issues related to ASP were also clarified.

### **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 Disease Control and Prevention Center (DCC) developed teaching materials on IPC and ASP. These resources focus on hand hygiene, oral care, ASP, ASP team, and prevention of surgical site infection in orthopedics. These materials, which are shared through the DCC website (<http://dcc.ncgm.go.jp/en/Activities/040/2019/index.html>), are considered useful for resource-limited countries. Upon request, the DCC can also provide IPC or AMR workshop in the resource-limited and underdeveloped areas.

### **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. Satoshi KUTSUNA investigated the Crimean-Congo hemorrhagic fever (CCHF) in Turkey at the request of the Ministry of Health, Labor, and Welfare (MHLW) of Japan (July 1-6, 2019). He visited the Ankara Yildirim Beyazit University, the Ankara Training and Research Hospital, and the Ministry of Health. Moreover, he held discussion with and delivered a lecture on IPC and clinical management of CCHF to the local doctors.

Furthermore, Dr. Satoshi KUTSUNA investigated the outbreak of Ebola virus disease (EVD) in the Democratic Republic of Congo as one of the members of the Japan Disaster Relief (August 10-26, 2019). He visited the Health Department in Kisangani city, Province de la Tshopo. In addition to holding discussions with and delivering a lecture on IPC and clinical management of EVD to the local HCWs, he opened a new local quarantine station in the area.

Dr. Shinichiro MORIOKA investigated the outbreak of multidrug-resistant Enterobacteriaceae in Papua New Guinea (September 16-27, 2019), as requested by the WHO Western Pacific Regional Office (WPRO). He identified the challenges of IPC in health care facilities in Papua New Guinea and reported to the Elias Kapavore, Minister, Ministry of Health, Papua New Guinea. After discussing the improvement of IPC in the country and identifying a specific solution, he provided a final draft of a national action plan for mid- to long-term IPC.

Dr. Kei YAMAMOTO investigated the outbreak of measles in infants in the Independent State of Samoa (December 7-21, 2019). As an infectious disease expert, he provided advice on the IPC of antimicrobial resistance after the measles outbreak. Through environmental rounds and workshop for hand hygiene, he further advised the healthcare stakeholders on the improvement of hand hygiene and development of an IPC system and shared the challenges facing IPC with the Ministry of Health, Independent State of Samoa.

#### **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, in collaboration with JICA, provided a workshop on response to pandemic influenza to the medical doctors in China (December 3-12, 2019, Tokyo, Japan). The DCC delivered a lecture on the medical response to severe influenza, such as diagnosis, treatment, and prevention. A tour of the hospital designated for infectious diseases was also conducted.

The DCC collected information on IPC and epidemiology of coronavirus disease 2019 (COVID-19), and shared it with WPRO (January 2020). Dr. Norio OHMAGARI checked the COVID-19 IPC guidelines, which were prepared by WPRO.

On 24th March 2020, Dr. Norio OHMAGARI delivered a Webinar lecture on the Japanese COVID-19 experiences, including preparedness, responses, and clinical management at the request of Dr. Masahiro ZAKOJI, Technical Officer, Department of Health Systems Development, WHO Southeast Asia Regional Office (SEARO).

## **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 HQ, Dr. Norio OHMAGARI participated in the third Antibacterial pipeline advisory group meeting (September 30- October 1, 2019, Geneva, Switzerland). He delivered a lecture on the overview of the antibacterial research and development (R&D) landscape in Japan, and discussed the subject with international experts. His lecture slide was shared at the DCC website (<http://dcc.ncgm.go.jp/en/Activities/040/2019/index.html>).

At the request of HQ, Dr. Nobuaki MATSUNAGA and Dr. Norio OHMAGARI evaluated the Global Antimicrobial Resistance Surveillance System (GLASS) (October 2019). They reviewed WHO GLASS guidelines on minimal requirements for National Reference Laboratories.

### 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	0	0

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

Senior staff	Mid-career staff	Junior staff, PhD students
7	0	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 and Ms. Sangnim Lee participated in the first WHO Western Pacific Region Partners' Web Forum (July 1-3, 2019). At the forum, they discussed the thematic priorities in WPRO to tackle the region's current and future big challenges.

Dr. Masahiro ISHIKANE, Dr. Noriko KINOSHITA, and Dr. Nobuaki MATSUNAGA discussed and shared the current situation and experience of antimicrobial resistance with the Ministry of Health, Thailand (TH-71) (July 30-August 2, 2019, Bangkok, Thailand). They also discussed one health approach and its relevance to antimicrobial resistance.

Dr. Norio OHMAGARI, Dr. Masahiro ISHIKANE, Dr. Shinichiro MORIOKA, and Ms. Sangnim LEE participated in the third Japanese WHO Collaborating Centers (WHOCC) meeting (September 6, 2019, Tokyo), which was also attended by Dr. Takeshi Kasai, Director General, WPRO, and Dr. Shinjiro NOZAKI, Compliance and Risk Management Officer/Office of the Regional Director, WPRO. Thirty WHOCC with 49 experts from Japan participated in the meeting. They exchanged information and opinions to promote collaboration and cooperation among WHOCCs.

Dr. Masahiro ISHIKANE participated in the International Forum on Gonococcal Infection and Resistance 2019, at the request of WPRO (September 26-28, 2019, Suzhou, China). This forum was organized mainly by the National Center for Sexually Transmitted Disease (STD) Control, Chinese Center for Disease Control and Prevention (Chinese CDC), WHOCC for Prevention and Control of Sexually Transmitted Infections (STI) (CHN-75). He shared information on epidemiology, surveillance, risk factors, treatment, and vaccines against drug-resistant gonorrhoea. Dr. Masahiro ISHIKANE also provided insights on the growing network of experts.

The DCC hosted the WHO Global Outbreak Alert and Response Network (GOARN) Tier 1.5 Training Workshop, which was held for the first time in 10 years in Japan (December 5-6, 2019, Tokyo, Japan). This workshop was organized in collaboration with Global Health, International Affairs Division, Minister's Secretariat and Tuberculosis and Infectious Disease Control Division, Health Service Bureau, Ministry of Health, Labor, and Welfare, Japan. The participants included three staff members from WHO (Ms. Renee Christensen, technical officer and GOARN Training Coordinator in WHO, Geneva, Ms. Polly Wallace, epidemiologist based with Australian National University, and Dr. Sharon Salmon, infection Prevention and Control Specialist, WPRO) and 50 health care professionals from Japan. Through the workshop, they developed a human resource network for international response to disease outbreak.

Dr. Sho SAITO, Dr. Satoshi KUTSUNA, Dr. Shinichiro MORIOKA, and Dr. Masahiro ISHIKANE conducted a workshop on oral care, IPC, and ASP with Sulilanti Saroso Infectious Diseases Hospital (January 28-31, Tokyo, Japan). At this workshop, they also collaborated with Niigata University, WHOCC, for the Translation of Oral Health Science (JPN-75).