

<b>1. Project title</b>
Development of clinical management and infection prevention and control (IPC) of Emerging Infectious Disease among World Health Organization Western Pacific Regional Office (WPRO)
<b>2. Country name</b>
Philippines
<b>3. Background</b>
<p>Within the WHO Western Pacific Regional Office (WPRO), there are many countries with insufficient clinical management and infection and prevention control (IPC) capacity for emerging and re-emerging infectious diseases, and there is a need to improve these capacity and respond to outbreaks.</p> <p>In 2003, a Severe Acute Respiratory Syndrome (SARS) outbreak with 8096 infected patient including 774 deaths cases, mainly in China, was reported. Since September 2012, patients with Middle East Respiratory Syndrome (MERS) have been reported around the world, mainly those who have lived or traveled in the Middle East. In 2015, Korea had one MERS patient who infected in Middle East, and then, the infection spread with a total of 186 confirmed cases, mainly at medical institutions, and was reported. As of September 30, 2019, a total of 2468 confirmed cases of MERS have been reported to WHO. Also, Antimicrobial resistance (AMR) is also a problem all over the world, and if no measures are taken, it is estimated that approximately 10 million people worldwide will die from AMR in 2050.</p> <p>Insufficient clinical management and IPC been pointed out as one of the causes of these outbreaks. In Japan, we have good knowledge and expericen about clinical management and IPC. To improve clinical management and IPC capacity for emerging and re-emerging infectious diseases in the region can may solve human resource development, and early resolution of outbreaks.</p>
<b>4. Objective</b>
<ul style="list-style-type: none"> <li>• To conduct the outbreak investigation and to develop the human resources, in WPRO, National, Health facility, using good skill of cinical management and IPC, Antibacterial stewardship.</li> <li>• To improve the health system in WPRO, Natioanal by reporting inculding recommendation to WHO and the National level.</li> </ul>
<b>5. Program outline</b>
<ul style="list-style-type: none"> <li>•May: Submit to annual report to WPRO</li> <li>•June: Participate the meeiing the APSED (Asia Pacific Strategy for Emerging Diseases )</li> <li>•June: IPC work shop in Bach Mai Hospital, Vietnam</li> <li>•August: Follow up of outbreak invetigation of AMR in Gorroka Hospital, Papuwa New Guinea</li> <li>•October: Participate the JEE (Joint External Evaluation) as a international evaluator</li> <li>•Decemeber: Follow up of outbreak invetigation of measles and AMR in Republic of Samoa</li> <li>•Other: Develop and distribution of web site and pamphlet.</li> </ul> <p>Conducte the outbreak investigation and work shop requested by WPRO.</p>
<b>6. Implementation structure</b>
<b>6-1. Japanese side</b>
<p>Program manager: Norio Ohmagari</p> <ul style="list-style-type: none"> <li>• NCGM Disease Control and Prevention Center (Department of Infectious Disease, AMRCRC) ; 5 to 6 staff members</li> </ul>
<b>6-2. Counterpart country side</b>

- WHO Health Emergencies Programme, World Health Organization Western Pacific Regional Office (WPRO)
- Ministry of Health requested by WPRO
- Health facility requested by WPRO

7. Indicator	
7-1. Output	<p>① Participate in the APSED international government conference and made recommendations.</p> <p>② Participate in JEE (Joint External Evaluation) and made recommendations.</p> <p>③ Conduct training of IPC to the Infectious disease specialists, infection control nurses, etc. at the Bac My Hospital (Hanoi, Vietnam).</p> <p>④ Conduct training of IPC and clinical management through the educating materials and websites.</p> <p>⑤ Conduct outbreak response based on WHO's request (e.g., AMR outbreak at Gorrocca Hospital in Papua New Guinea, measles and AMR outbreak at Republic of</p>
7-2. Outcome	<p>① Submit a report including recommendations for improvement to the WHO level.</p> <p>② Submit a report including recommendations for improvement to the government (Ministry of Health).</p> <p>③ Submit a report including recommendations for improvement to the health care facility level.</p> <p>④ Access to the website is 100, and 10 copies of pamphlets distributed.</p> <p>⑤ Submit a report including recommendations for improvement of outbreak to the government (Ministry of Health).</p>
7-3. Impact	<p>A. Expect to improve the capacity building of clinical management, IPC, and antimicrobial stewardship at the WHO level, National (Ministry of Health) level, and health care facility level.</p> <p>B. Expect to develop guidelines for insufficient clinical management, IPC and antimicrobial stewardship.</p> <p>C. These may lead to the solution and prevention of outbreaks.</p>
8. Main activities	
8-1. Outbreak investigation	
1)	Conduct the outbreak investigation due to AMR in Gorrocca Hospital, Papua New Guinea (August)
8-2. Workshop and meeting	
1)	Participate the meeting the APSED (June)
2)	Conduct the IPC work shop in Bach Mai Hospital, Vietnam (June)