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| <b>1. Project title</b>   |
| Enhancing diagnostic radiology imaging across Republic of Zambia  |
| <b>2. Country name</b>  |
| Republic of Zambia  |
| <b>3. Background</b>  |
| Livingstone General Hospital and Kitway Central Hospital, which are regional main hospitals. However, quality of Radiology imaging and equipment is poorly controlled and technical support is highly demanded.   |
| <b>4. Objective</b>   |
| To improve the Radiology imaging and to establish a Radiological network among UTH, Livingstone General Hospital, and Kitway Central Hospital   |
| <b>5. Program outline</b>   |
| Dispatching experts from Japan to Zambia to provide technical training. After that, three trainees from Zambia are invited to the radiology department of NCGM Hospital to provide training in Japan. As a follow-up training, experts from Japan visit the site to conduct evaluation and to provide technical training. |
| <b>6. Implementation structure</b>  |
| 6-1. Japanese side  |
| <ul style="list-style-type: none"> <li>• Department of Radiology NCGM</li> <li>• Bureau of International Health Cooperation NCGM</li> </ul>   |
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| Department of Radiology in UTH, in Livingstone General Hospital, and in Kitway Central Hospital   |

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| <b>7. Indicator</b>       |   |
| 7-1. Output               | Accomplishing test score improvement by 5%  |
| 7-2. Outcome              | (1) Average number of examinations at three facilities increases by 10%<br>(2) Average CT radiation exposure dose at three facilities decreases by 5%   |
| 7-3. Impact               | 1.Early diagnosis and treatment become available<br>2.Increased productivity of the medical staff and reduced mental and physical burden for both patients and the medical staff<br>3.Improved medical imaging and medical safety |
| <b>8. Main activities</b> |   |
| 8-1. Training in 2020     |   |
| 1)                        | Training in Republic of Zambia (Dispatching four Japanese experts and three NCGM staff for 2 weeks in July)   |
| 2)                        | Training in Japan (Receiving three trainees in October)   |