11. Standard indicator reference and typical lessons learned (Health)

Mid-term sub-targets corresponding to models in this reference

Model name	Corresponding mid-term sub-targets
Model (1) Maternal, neonatal and child health (Enhancing capacity of the central administration)	1-1-1 Enhancing capacity of the central administration
Model (2) Maternal, neonatal and child health (Enhancing capacity of human resources for health)	1-1-4 Enhancing capacity of human resources for health
Model (3) Maternal, neonatal and child health (Improving community (local resident's) awareness and	1-1-5 Improving community (local resident's) awareness and strengthening its structure
strengthening its structure)	
Model (4) Health systems (Improving service quality)	1-5 Improving service quality
Model (5) Health systems (Leadership and governance)	2-1 Health administration management
Model (6) Health systems (Strengthening human resources and educational systems for health)	4-1 Strengthening continuous education systems
Model (7) Health systems (Health information)	5-1 Information collection (Surveillance system)
Woder (7) Health Systems (Health information)	5-2 Information analysis and utilization
	6-1 Quality control
Model (8) Health systems (Medical equipment, etc.)	6-2 Stable procurement
	6-6 Facility and equipment maintenance

Model names and corresponding mid-term sub-targets for the health systems are excerpted from "Items that tend to become an issue in health systems strengthening" on page 16 of "Health systems strengthening" in Japanese (Documents for Operation). (The Documents for Operation can be obtained from the Human Development Department.)

JICA standard indicator reference and typical lessons learned in technical cooperation projects (Health) Model (1) "Maternal, neonatal and child health (Enhancing capacity of the central administration)"

Development strategic objective	Mid-term objective	Indicators at a program goal level	Mid-term sub-target	Overall goals/Project purposes and indicator examples	Methods/Policies for setting indicators	Typical lessons learned	Example of project purpose (image of projects)	Reference projects
Development strategic objective	Development thematic issue level to which the cooperation program corresponds	Connection with the target years or indicators in sector/regional development plans by the recipient country's government	Level of thematic issue to solve in individual projects	To (outcome) By/through (output) Thereby contributing to	Ways of thinking, points to remember, and important points in setting indicators	implementing projects corresponding to the "mid-term sub-targets" from the perspectives of: 1) planning stages, and 2) management.	Examples of project purpose	Project information with good practices to refer to
Improvement of the maternal, neonatal and child health state	1-1 Introduction and expansion of quality maternal, neonatal and child health services		capacity of the central administration	To develop/consolidate the national strategy, operational plan, budget, service standards, and other tools related to maternal, neonatal and child health, (Outcome) By strengthening the capacity of staff at the Ministry of Health for project planning and service standardization related to maternal, neonatal and child health, (Output) Thereby contributing to improving the capacity of the Ministry of Health for administration and project operation/management related to maternal, neonatal and child health. (Impact) (Standard indicator examples) 1.Indicator examples of overall goal (Basic) (1) By the year xx, yy% of	Note for (1): Specify ways	Technical Working Group on Maternal, Neonatal and Child Health (the name will vary depending on the country) and other approval processes of the recipient country, and to support the development and revision of the guidelines so that the positioning and prospects for adoption of the guidelines can be clarified within the government. Considering the size of the areas subject to cooperation and the expected spread of the cooperation effect, support and cooperation from the early planning stage are particularly important. In addition, as there are cases where the project will not be implemented even when there are detailed documents, it is necessary to involve the department responsible for the project implementation, and depending on the situation, to have a structure (or to collaborate with other projects or donors) to support the implementation and realization of the policies. As there are countries where both the central and local administrative capacities are weak, it may be desirable to work on enhancing not only the central administrative capacity. In any case, an analysis should be made at the time of cooperation planning of how the local administrative organizations function since this is related to the fulfillment of the central government's capacity. (From Thematic Guidelines on "Maternal, neonatal and child health")	Department (RHD) and the Provincial Reproductive Health Officers (PRHO), By enhancing the M&E capacity of the RHD at the Ministry of Public Health and the PRHO at the provincial health office, and enhancing the capacity of the RHD and PRHO for the planning, operation, and evaluation of in-service training for those staff members engaged in the operation of RH services at organizations and health facilities under the supervision of the RHD and the PRHO, Thereby contributing to improving the quality of maternal, neonatal and child health services. To enhance the capacity of the	1. Reproductive Health Project in Afghanistan Phase 2 (Term of Cooperation: March 2010 - February 2015) 46. Capacity Development for Sector-wide Coordination in Health in Laos (Term of Cooperation: July 2006 - June 2010)

				project purposes (Basic) (1) Development or update of the national strategy (new development or update frequency: xx times/year) (2) Development of operational plans based on the national strategy (number of project plans: xx/year) (3) The number of maternal, neonatal and child health	Indicators (also refer to
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Ministry of Health and health-related partners.

To improve the health state of women 47. Safe Motherhood Promotion of reproductive age and neonates in the target district, By giving feedback on experiences and lessons learnt from the project to superior and related organizations, carrying out activities to obtain political support, improving the management of Health and Family Planning Offices in the target district, strengthening the system to provide safe delivery services in the target district and cities in the district, and enabling people in the target community to proactively utilize reproductive health services in cooperation with the private sector, Thereby contributing to the standardization of approaches to reproductive health services extracted from the project and applying these approaches to other districts.

Project in Bangladesh (Term of Cooperation: April 2006 - March 2010)

To systematically and effectively implement the seventh five-year health plan and sub-sector program strategy plan, according to the five-year plan based on the harmonization of project implementation procedures, By appropriately and effectively conducting sector working groups at policy and practical levels, and meetings between the secretariat and the coordination unit, solving problems clarified through monitoring the implementation of the seventh five-year health plan and sub-sector program, appropriately and effectively operating the technical working group on maternal, neonatal and child health and immunization, solving any problems clarified through monitoring the monitoring of the skilled midwife training plan and other maternal, neonatal and child health integration service strategy plans, appropriately and effectively operating the technical working group on human resources for health, solving any problems clarified through monitoring the implementation of the strategy for human resource development for health by 2020, appropriately and effectively operating the technical working group on systematic finance, and strengthening capacity for the

development of an annual plan and

19. Capacity Development for Sector-wide Coordination in Health in Laos Phase 2 (Term of Cooperation: November 2010 -October 2015)

1	l i	i I	i		financial management so that the	1
					health financial strategy can be	
					implemented efficiently and	
					effectively by connecting internal and external funds with the project	
					implementation,	
					Thereby contributing to the	
					continuous development of strategic	
					plans, efficient project coordination,	
					and the effective distribution of	
					internal and external funds by the	
					Ministry of Health, and securing	
					capacity to steadily achieve the	
					millennium development goal in the	
					health sector in Laos.	
					m 1.1	11.00.34.1.1.15
					To expand the approaches to improve	11. Safe Motherhood Promotion
					Maternal and Neonatal Health (MNH)	
						(Term of Cooperation: July 2011
					with Health, Population, and	- June 2016)
					Nutrition Sector Development	
					Program (HPNSDP) in Bangladesh,	
					By strengthening coordination	
					functions (at MNCH forum, etc.) for	
					maternal and neonatal protection	
					activities carried out by related	
					stakeholders at national level,	
					disseminating the implementation	
					process and lessons of best practices	
					in maternal, neonatal and child health	
					improvements from the project and	
					the results of the phase 1 project to	
					the national level, and confirming the	
					mechanism and structure of MNCH	
					minimum package and approaches in	
					Satkhira and Habiganj Districts which	
					are integrated into the Upazila Health	
					System (UHS) and implemented in	
					cities in the districts,	
					Thereby contributing to improving	
					the maternal and neonatal health	
					status in Bangladesh.	

JICA standard indicator reference and typical lessons learned in technical cooperation projects (Health) Model (2) "Maternal, neonatal and child health (Enhancing capacity of human resources for health)"

Development strategic	Mid-term	Indicators at a program	Mid-term	Overall goals/Project purposes and indicator	Methods/Policies for	Typical lessons learned	Example of project purpose (image of	Reference projects
Development strategic objective	Development thematic issue level to which the cooperation program corresponds	goal level Connection with the target years or indicators in sector/regional development plans by the recipient country's	Level of thematic issue to solve in individual projects	examples To (outcome) By/through (output) Thereby contributing to	Ways of thinking, points to remember, and important points in setting indicators	Write in lessons and risks to be necessarily used or reflected in implementing projects corresponding to the "mid-term sub-targets" from the perspectives of: 1) planning stages, and	Examples of project purpose	Project information with good practices to refer to
Improvement of the maternal, neonatal and child health state	1-1 Introduction and expansion of quality maternal, neonatal and child health services	government	1-1-4 Enhancing capacity of human resources for health	(Proposed model description) To appropriately implement training for the development of human resources for maternal, neonatal and child health (nurses and midwifes), (Outcome) By improving the training structure (system and content) necessary for the continuous and basic education of human resources for maternal, neonatal and child health, (Output) Thereby contributing to the development of human resources for maternal, neonatal and child health who can provide quality services. (Impact) (Standard indicator examples of overall goal (Basic) (1) Quality of care by training participants	*Indicators are to be set after confirming that monitoring and measurement will continue to be carried out by the implementing organizations, etc. after completion of the project.	existing workers participate in the training. Therefore, for training that is newly or additionally carried out, the schedule for National Immunization Day (NID) and other important events, epidemic periods of infectious diseases, and the training schedules of other donors need be considered so as to reduce the impact on on-site services. In addition, securing financial resources for travel expenses and daily allowances for the training participants and mentors should be considered in advance as it will become an issue for continuing the training and instruction/supervision systems. (2) With regard to basic education, it should be noted that it is necessary to coordinate and build an ongoing relationship with not only the Ministry of Health but also the Ministry of Education and other related organizations because activities related to the overall education system, such as curriculum revision, etc., are expected to be carried out. In case of cooperation on the recruitment and allocation of personnel, there is a high possibility that advanced negotiation and coordination within the recipient country's government will be required because it is necessary to adequately involve the related organizations other than the Ministry of Health such as the National Personnel Authority and the Finance Authority, etc. (From Thematic Guidelines on "Maternal, neonatal and child health")	quality services based on the CHIPU (Complex Hospital Institute Project University) concept, By developing and instituting a system which will be the basis for nursing education, enhancing the capacity of health training institutes to implement good personnel development programs, and strengthening the coordination mechanism between related organizations for the effective improvement of the health training system, Thereby contributing to the development of quality human resources for health, and contributing to improving maternal, neonatal and child health services. To improve the quality of continuous nursing education in the field of midwifery in the Santa Ana Department, By establishing and implementing the process and monitoring/evaluation methods for continuous nursing	Strengthening Nursing Education and In-service Training in El Salvador,

	training participants. (2) The number of training facilities which satisfy the training monitoring standards developed by the Ministry of Health becomes xx. (3) The number of training participants becomes xx (in the time period between xx	[Refer to the following two indicator lists for indicators at a global level:] Global Reference List of 100 Core Health Indicators (WHO 2015) http://www.who.int/healthinfo/indicators/2015/en/ SDG Targets and Indicators (also refer to Sheet 10) http://unstats.un.org/sdgs/indicators/indicators-list/	and infrastructures for the development of nurses and midwives and strengthen nursing education systems, By integrating the administrative functions of clinical instruction and school education for nurses and midwives, establishing and implementing "Rules for nurses and midwives", strengthening database management of information on nurses and midwives, creating feasible supply and demand plans (development and allocation plans)	49. Project for Human Resource Development of Nursing/Midwifery in Laos (Term of Cooperation: May 2005 - April 2010)
			By integrating the administrative functions of clinical instruction and school education for nurses and midwives, establishing and implementing "Rules for nurses and midwives", strengthening database management of information on nurses	(2005 - April 2010)
			supply and demand plans (development and allocation plans) for nurses and midwives, establishing project monitoring and evaluation systems, effectively reflecting these systems in project management, enhancing the capacity of mentors for the development of nurses and midwives, improving (personnel and	
			equipment) management systems at the model school, developing an education plan at the model school, and implementing education and practices based on the education plan, Thereby contributing to establishing a comprehensive system for the development and utilization of nurses and midwives.	

JICA standard indicator reference and typical lessons learned in technical cooperation projects (Health)

Model (3) Maternal, neonatal and child health (Improving community (local resident's) awareness and strengthening its structure)

Development strategic objective	Mid-term objective	Indicators at a program goal level	Mid-term sub-target	Overall goals/Project purposes and indicator examples	Methods/Policies for setting indicators	Typical lessons learned	Example of project purpose (image of projects)	Reference projects
Development strategic objective	Development thematic issue level to which the cooperation program corresponds	Connection with the target years or indicators in sector/regional development plans by the recipient country's government	Level of thematic issue to solve in individual projects	To (outcome) By/through (output) Thereby contributing to	Ways of thinking, points to remember, and important points in setting indicators	Write in lessons and risks to be necessarily used or reflected in implementing projects corresponding to the "mid-term sub-targets" from the perspectives of: 1) planning stages, and 2) management.	Examples of project purpose	Project information with good practices to refer to
Improvement of the maternal, neonatal and child health state	1-1 Introduction and expansion of quality maternal, neonatal and child health services		resident's) awareness and strengthening its structure	1.Indicator examples of overall goal (1)* (Basic) (1) Maternal mortality ratio in the target area (2) Infant/neonatal mortality rate in the target area (3) Incidence rate of pregnancy complications in the target area (4) Incidence of low birth	*Based on the assumption that these indicators are monitored by the recipient country's government and can be checked about three years after completion of the project. The mortality rate monitored by a developing country's government often means the institutional mortality rate. It should be noted that the mortality rate outside health facilities is not	determine priorities, and visualize the network using a diagram. The aim of awareness-raising in local residents and strengthening the community structure is not meant to cover administration by local residents or the responsibility of health staff but is rather meant to bring about appropriate demands for maternal, neonatal and child health services and to disseminate sustainable maternal, neonatal and child health services based on the actual situation. Therefore, it is important to involve the responsible departments of the relevant administrative and medical organizations. In particular, in case of a model project, it is desirable to consider the institutionalization of community activities and the development of those activities arcoss the country by deeply involving the government. In this regard, it is often the case at a community level that the participation of not only the health administration but also other administrative bodies should be gained from a broad perspective, considering the connections between government and local residents. In any case, it should be sufficiently understood that using local residents as health volunteers will not fundamentally solve the shortage of health staff. (From Thematic Guidelines on "Maternal, neonatal and child health")	maternal, neonatal and child health services in the 4th health district of La Paz Department, By providing quality maternal, neonatal and child health services at health-care facilities in the 4th health district of La Paz Department, enabling local residents of the 4th health district of La Paz Department to proactively use maternal, neonatal and child health services, and strengthening the management structure to efficiently and effectively carry out maternal, neonatal and child health activities in the 4th health district of La Paz Department, Thereby contributing to improving the maternal, neonatal and child health state in in the 4th health district of La Paz Department. To improve the rate of receiving Maternal, Neonatal and Child Health (MNCH) services in 4 provinces in the south area,	20. Project for Strengthening health network in Rural region focusing on mother and children health in Bolivia (Term of Cooperation: April 2010 - April 2014) 20. Project for Strengthening Integrated Maternal, Neonatal and Child Health Services in Laos (Term of Cooperation: April 2010 - April 2015)

		(1) Stillbirth rate 1.Indicator examples of overall goal (2)** (Basic) (1) The number of health committees organized after completion of the project (2) The rate of receiving antenatal care, the rate of births attended by skilled health workers, and the number of institutional deliveries in the target area*** (3) The number of pregnancy complications in the target area area 2.Indicator examples of project purposes (Basic) (1) The average number of antenatal care visit (2) The rate of receiving antenatal care 4 times or more (3) The rate of receiving the first antenatal care by the fourth month of pregnancy (4) The rate of births attended by skilled health workers (5) The rate of pregnant women and newborns receiving antenatal and postnatal care (6) The number of institutional deliveries (7) Measles immunization rate	**In cases where figures for indicator examples (1) cannot be obtained or there are other indicators more suitable for the project concerned. ***In cases where it is expected that the project will only be implemented at the model site or in part of the target area, and will benefit the entire area after completion. [Refer to the following two indicator lists for indicators at a global level:] Global Reference List of 100 Core Health Indicators (WHO 2015) http://www.who.int/healthinfo/indicators/2015/en/ SDG Targets and Indicators (also refer to Sheet 10) http://unstats.un.org/sdgs/indicators/indicators-list/
		(1) The average number of antenatal care visit (2) The rate of receiving antenatal care 4 times or more (3) The rate of receiving the first antenatal care by the fourth month of pregnancy (4) The rate of births attended by skilled health workers (5) The rate of pregnant women and newborns receiving antenatal and postnatal care (6) The number of institutional deliveries	nfo/indicators/2015/en/ SDG Targets and Indicators (also refer to Sheet 10) http://unstats.un.org/sdgs/i

maternal, neonatal, and child mortality rates in 4 provinces in the south area. To improve the health state of women 48. Safe Motherhood Promotion of reproductive age and neonates in Project in Bangladesh (Term of the target district, Cooperation: April 2006 - March By providing feedback on 2010) experiences and lessons learnt from the project to superior and related organizations, carrying out activities to obtain political support, improving the management of Health and Family Planning Offices in the target district, strengthening the system to provide safe delivery services in the target district and cities in the district, and enabling target people in the community to proactively utilize reproductive health services in cooperation with the private sector, Thereby contributing to standardizing the approaches of reproductive health services extracted from the project and the application of those approaches to other districts. New. (Human resources for To enable more women to receive quality antenatal and postnatal care in health) Frontline Maternal and Child Health Empowerment Sudan, Project in Sudan (Mother Nile By enhancing the organizational capacity of the Federal Ministry Of Project) Phase 2 (Term of Health (FMOH) and the State Cooperation: September 2011 -Ministry Of Health (SMOH) in the September 2014) field of maternal, neonatal and child health, enhancing the capacity of Village Midwives (VMW) to provide quality maternal and neonatal care in the target eight states of Sudan, and formulating a comprehensive approach and model for the improvement of maternal and neonatal health in Sennar State, Thereby contributing to reducing the maternal and infant mortality rates in Sudan. To improve maternal and neonatal New. (Service delivery)

Improvement of Maternal and

health services utilizing

	and Services (CHPS) provided by community health officers in the Upper West (UW) Region, By enhancing the capacity and	Neonatal Health Services Utilising CHPS system in the Upper West Region, Ghana (Term of Cooperation: September 2011 - September 2016)
	women and newborns receiving safe delivery and antenatal and postnatal care in the target area of Eastern Visayas, By increasing facilities which provide	New. (Maternal, neonatal and child health) Strengthening Maternal and Child Health Services in Eastern Visayas, the Philippines (Term of Cooperation: July 2010 - July 2016)
	to access BEmONC/MNCHN services in areas covered by the proposed BEmONC facilities, Thereby contributing to reducing the maternal and infant mortality rates in the target area of Eastern Visayas.	

JICA standard indicator reference and typical lessons learned in technical cooperation projects (Health) Model (4) "Health systems (Improving service quality)"

Development strategic objective	Mid-term objective	Indicators at a program goal level	Mid-term sub-target	Overall goals/Project purposes and indicator examples	Methods/Policies for setting indicators	Typical lessons learned	Example of project purpose (image of projects)	Reference projects
Development strategic objective	Development thematic issue level to which the cooperation program corresponds	Connection with the target years or indicators in sector/regional development plans by the recipient country's government	Level of thematic issue to solve in individual projects	Indicator examples	Ways of thinking, points to remember, and important points in setting indicators	implementing projects corresponding to the "mid-term sub-targets" from the perspectives of: 1) planning stages, and 2) management.	Examples of project purpose	Project information with good practices to refer to
Health systems	1 Service delivery		1-5 Improving service quality	description) To improve efficiency and quality of operations (improve the hospital environment, shorten waiting time, reduce excess inventory, etc.), (Outcome) By improving management of the facilities and equipment as well as work (operations) at health facilities (as well as improving health facilities through financial cooperation.)*, (Output) Thereby contributing to improving the quantity and quality of medical services. (Impact) (Standard indicator examples) 1.Indicator examples of overall goal (Basic) (1) Patient satisfaction increases from xx (baseline	activities which strengthen the provision of service and bring about service demand through volunteers are subject to the proposed model description. **Indicators are to be set after confirming that monitoring and measurement will continue to be carried out by the implementation organizations, etc. after completion of the project.	motivation, they need something to make them realize their achievements. In this project, managers and service providers can realize their achievements such as a reduction in the number of out-of-inventory days for medicines, etc. by carrying out activities related to the inventory management of medicines. In implementing similar projects that have the aim of strengthening health systems, it is effective to create a design that has an element of showing visible achievements. (From the Reference Project 56. written on the right)	management and utilization, By expanding 5S-KAIZEN-TQM activities to the target hospital, improving the utilization of medical equipment at the target hospital, and improving the maintenance and management of medical equipment at the target hospital and at the medical equipment maintenance and management workshop, Thereby contributing to improving the health service supply through the more effective and efficient utilization of existing health infrastructures. To improve the quality of medical services in the target two provinces through strengthening the Direction Office for Healthcare Activities	28. Project on Improvement of Health Service through Health Infrastructure Management in Uganda (Term of Cooperation: March 2011 - June 2014) 14. Project for Strengthening Medical Services in Northern Mountainous Provinces in Vietnam (Term of Cooperation: July 2012 - June 2016)

		(1) Shortening patient's waiting time(2) Employee satisfaction (workplace environment, work efficiency)	WHO Global Reference List of 100 Core Health Indicators (WHO, 2015) provides core indicators for health service access, quality, and safety. http://www.who.int/healthi nfo/indicators/2015/en/
			[Refer to the following indicator list for indicators at global level:] SDG Targets and Indicators (also refer to Sheet 10) http://unstats.un.org/sdgs/indicators/indicators-list/

3. Urban Health System To operate an urban health system model in Kabul, Strengthening Project in By developing an urban health system Afghanistan (Term of Cooperation: December 2009 model and enhancing the managerial functions (planning, budgeting, fund December 2012) procurement, monitoring, evaluation, etc.) of Kabul Public Health Department (KPHD), Thereby contributing to the effective and efficient provision of urban health services in urban areas of Kabul.

To strengthen the local health system 56. Project of Strengthening of in Benguet Province to improve medical services,

Local Health System in the Province of Benguet, the By improving systems that provide Philippines (Term of quality health services at health Cooperation: March 2006 centers, enhancing the health March 2011) administrative capacity of the province, enhancing the health finance of the province, strengthening the medicine supply system of the province, and sharing project information and experience between the Ministry of Health and other Formula One member provinces, Thereby contributing to improving the health state of local residents in Benguet Province.

> 15. Project for Improvement of in the Medical Service System in Vietnam (Term of Cooperation:

To implement human resource development activities in the Ministry the Quality of Human Resources of Health, the three target hospitals (Bach Mai Hospital, Hue Central Hospital, and Cho Ray Hospital), and June 2010 - June 2015) the central and provincial hospitals directly controlled by the Ministry of Health, based on human resource policies and strategies for medical services developed by the Ministry of Health,

By revising and developing human resource master plan and regulations in medical services, standardizing training curricula and materials, using the curricula and materials at DOHA training centers which are part of the medical service managerial capacity improvement center of the Ministry of Health, the three target hospitals, and the central and provincial hospitals directly controlled by the Ministry of Health, strengthening the training system, operating the system at the medical service managerial capacity improvement center of the Ministry of Health, the three target hospitals, and the central and provincial hospitals directly controlled by the Ministry of Health, and developing and applying the

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monitoring and evaluation system for quality of training for health staff, Thereby contributing to improving the medical services in medical institutions in Vietnam.

To enhance the administrative capacity of Ghana Health Services (GHS) for the Community Based Health Planning and Services (CHPS) Implementation in the Upper policy in the Upper West Region, By enhancing the knowledge and skills of the Upper West Regional Health Directorate, district health management teams, and sub-district health management teams on CHPS administration, enhancing the knowledge and skills of the Community Health Officers (CHO) on CHPS activities, improving the supervision system for CHPS activities, improving the referral counter referral system between CHPS, clinics, and hospitals, improving procedures for community mobilization for CHPS activities, and disseminating lessons and best practices, Thereby contributing to expanding the functions of the CHPS zones.

57. Scaling up of Community Based Health Planning and Services (CHPS) West Region, Ghana (Term of Cooperation: March 2006 -February 2010)

To expand the approaches to improve 11. Safe Motherhood Promotion Maternal and Neonatal Health (MNH) service quality and utilization (Term of Cooperation: July 2011 in line with Health, Population, and Nutrition Sector Development Program (HPNSDP) in Bangladesh, By strengthening coordination functions (at MNCH forum, etc.) for maternal and neonatal protection activities carried out by related stakeholders at a national level, disseminating the implementation process and lessons of best practices in maternal, neonatal and child health improvements from the project and the results of the phase 1 project to the national level, and confirming the mechanism and structure of MNCH minimum package and approaches in Satkhira and Habiganj Districts which are integrated into the Upazila Health System (UHS) and implemented in cities in the districts, Thereby contributing to improving the maternal and neonatal health status in Bangladesh.

To strengthen the health service network for local residents in the target areas to receive quality prevention, promotion, and medical care,

Project in Bangladesh Phase 2 June 2016)

58. Project for improvement of health service delivery at community level in Bolivia (Term of Cooperation: April 2007 - October 2012)

			health services utilizing Community-Based Health Planning and Services (CHPS) provided by community health officers in the Upper West (UW) Region, By enhancing the capacity and systems for maternal and neonatal health services and strengthening community mobilization and support systems on maternal and neonatal	New. (Service delivery) Improvement of Maternal and Neonatal Health Services Utilising CHPS system in the Upper West Region, Ghana (Term of Cooperation: September 2011 - September 2016)
			By enhancing the capacity and systems for maternal and neonatal health services and strengthening community mobilization and support	September 2011 - September

JICA standard indicator reference and typical lessons learned in technical cooperation projects (Health) Model (5) "Health systems (Leadership and governance)"

Development strategic objective	Mid-term objective	Indicators at a program goal level	Mid-term sub-target	Overall goals/Project purposes and indicator examples	Methods/Policies for setting indicators	Typical lessons learned	Example of project purpose (image of projects)	Reference projects
Development strategic objective	Development thematic issue level to which the cooperation program corresponds	Connection with the target years or indicators in sector/regional development plans by the recipient country's government	Level of thematic issue to solve in individual projects	To (outcome) By/through (output) Thereby contributing to	Ways of thinking, points to remember, and important points in setting indicators	Write in lessons and risks to be necessarily used or reflected in implementing projects corresponding to the "mid-term sub-targets" from the perspectives of: 1) planning stages, and 2) management.	Examples of project purpose	Project information with good practices to refer to
Health systems	2 Leadership and governance		2-1 Health administration management	health officers and the organizational capacity of health management teams in the target provinces, (Outcome) By enhancing the capacity of the health management teams in the target provinces for project cycles (planning, implementation, monitoring, and evaluation, etc.), (Output) - Thereby contributing to increasing the quality of medical services in primary health-care in the target provinces. - Experiences of the target provinces are reflected in the central government's policy. (Impact)	the technical project to strengthen the community health strategy in Kenya) are subject to the proposed model description.	When formulating a new project, strengthening of not only the central government but also the human resources who are directly involved in improving the health indicators and directly intervene in the facilities should be considered to the greatest extent possible. This project successfully expanded the support target to the national level as well as the community level (health facilities) by selecting intermediate managerial human resources as the target for capacity development. As a result, support could be easily provided to all administration levels in a short period of time (four years). (From the Reference Project 31. written on the right)	and prefecture levels, By enhancing the basic managerial capacity of the health management teams in Nyanza Province, enhancing the capacity of the health management teams in Nyanza Province for project cycles (planning, implementation, monitoring, and evaluation, etc.), enhancing the supervision and instruction capacity of the health management teams in Nyanza Province, sharing lessons and successful examples of achievements of these enhancements with other provinces and the central government, and strengthening the health administration networks all over the country through the process of sharing, Thereby contributing to increasing the quality of medical services in primary health-care in Nyanza Province.	31. Strengthening Management for Health in Nyanza Province, Kenya (Term of Cooperation: May 2009 - May 2013)
				guidelines increases from xx to xx in the target provinces. (2) Indicators adopted as core health indicators (related to maternal, neonatal and child health, HIV, malaria, etc.) improve in the target provinces. (3) The number/rate of provinces that expand the introduction of supportive supervision and mentoring as	indicator of the overall goal, it is important to set up promotion/scaling up activities from the pilot province to the other provinces as part of the project output. (If it is difficult to include these activities into the project output, the target area for		managerial capacity of regional medical departments and health districts in Tambacounda and	36. Enforcement of Management of Health System in Tambacounda and Kedougou, Senegal (Term of Cooperation: March 2011 - February 2014)

1		1	1	increases.	province.)			
						With regard to the indicators for capacity development of managerial human		
				(Basic)		resources through training and the project		
						to change their mindset and behavior, it is desirable to set both objective indicators		
				by others or themselves	be a good reference. (e.g.	and subjective indicators, and to set		
						quantitative and qualitative indicators for each objective as well as subjective		
				(2) Organizational capacity of health management teams		indicators.		
				evaluated by others or	and priorities, etc.)	In order to monitor any changes and		
				themselves improves from xx to yy.		objectively measure achievements, it is important to fully consider the M&E		
				(3) Scheduled activity plans		framework in advance. For example, if a		
				and annual plans of local		hypothesis with the phases "Capacity		
				governments have been implemented in xx% or more	[Refer to the following two	improvement" -> "Change in workplace environment" -> "Improvement of service		
				of the target provinces.	indicator lists for indicators	quality" is formed, a quantitative indicator		
						to measure the achievement of each phase		
				Supportive Supervision and Mentoring (CSS&M) and		should be set and an appropriate M&E framework should be established.		
				M&E system developed	(WHO 2015)	Only after setting and establishing such		
				during the project operate sufficiently in xx% or more		indicators and framework, can regular		
				of the target provinces.		monitoring and timely follow ups during the project be implemented, and the effect		
					SDG Targets and	of intervention can be measured as		
						precisely as possible at the time of completing the project.		
						(From the Reference Project 31. written on		
						the right)		
							To build Comprehensive Supportive	38. Health Systems
							Supervision and Mentoring (CSS&M)	
							and an effective M&E system for HIV and AIDS control-related health	AIDS Services Project in Tanzania (Term of Cooperation)
							services, and establish them with a	October 2010 - October 2014)
							plan for further nationwide	
							development, By selecting and integrating	
							Scorecard Indicators for M&E at the	
							national level, strengthening the M&E system in model regions,	
							strengthening the coordination	
							capacity of CSS&M in the National	
							AIDS Control Programme (NACP), enhancing the capacity of national	
							supervisors and mentors, and	
							strengthening CSS&M in the model	
							regions, Thereby contributing to strengthening	
							the health systems in Tanzania	
							through CSS&M and an effective M&S system for HIV and AIDS	
							control-related health services.	
							T	24 Decises for Green de
							To strengthen the ISSV cycle at the Ministry of Health and Sanitation and	34. Project for Strengthening Supportive Supervision System
							prefectural health management	in Sierra Leone
								(Term of Cooperation: April
							the maternal, neonatal and child health services provided at primary	2013 - March 2017)
J	Ī	ı	Į	ı	I	ı	provided at primary	ı

1			I	medical institutions,	1
				By enhancing the capacity of the	
				Ministry of Health and Sanitation to	
				support prefectural health	
				management offices in 13 prefectures	,
				strengthening the ISSV cycle for	
				primary medical institutions at	
				prefectural health management	
				offices in the target four prefectures,	
				and improving the maternal, neonatal	
				and child health services provided at	
				primary medical institutions selected	
				by prefectural health management	
				offices in the target four prefectures	
				through small-scale projects,	
				Thereby contributing to improving	
				the maternal, neonatal and child	
				health services provided at all	
				primary medical institutions.	
				To strengthen the evidence-based	59. Project for Strengthening
				policy cycle for implementation of	Community Health Strategy in
				Community Health Strategy (CHS)	Kenya (Term of Cooperation:
				through developing the capacity of	October 2011 - September 2014)
				the Ministry of Public Health &	
				Sanitation,	
				By strengthening coordinating,	
				cooperating, and collaborating over	
				CHS operations between	
				stakeholders, developing and revising	
				guidelines/tools in the fields of	
				communication and training,	
				developing a CHS Monitoring &	
				Evaluation (M&E) plan, assessing the	·
				effectiveness of the CHS	
				policies/guidelines/tools through Operations Research (OR), and	
				sharing and presenting the results of	
				that assessment to policy level,	
				Thereby contributing to accelerating	
				the effective implementation of CHS.	
			l	une effective implementation of CHS.	

JICA standard indicator reference and typical lessons learned in technical cooperation projects (Health)

Model (6) "Health systems (Strengthening human resources and educational systems for health)"

Development strategic objective	Mid-term objective	Indicators at a program goal level	Mid-term sub-target	Overall goals/Project purposes and indicator examples	Methods/Policies for setting indicators	Typical lessons learned	Example of project purpose (image of projects)	Reference projects
Development strategic objective	Development thematic issue level to which the cooperation program corresponds	Connection with the target years or indicators in sector/regional development plans by the recipient country's government	Level of thematic issue to solve in individual projects	To (outcome) By/through (output) Thereby contributing to	Ways of thinking, points to remember, and important points in setting indicators	Write in lessons and risks to be necessarily used or reflected in implementing projects corresponding to the "mid-term sub-targets" from the perspectives of: 1) planning stages, and 2) management.	Examples of project purpose	Project information with good practices to refer to
Health systems	4 Human resources for health		4-1 Strengthening continuous education systems	(Proposed model description (1)) To improve the educational basis for quality co-medicals, (Outcome) By improving the training system of existing teachers, (Output) Thereby contributing to the development of quality co-medicals through systems that develop human recourses for health. (Impact) (Proposed model description (2)) To secure the necessary human resources for health, (Outcome) By improving their treatment and work management, (Output) Thereby contributing to resolving the shortage of human resources. (Impact)			Development (HRDD) capacity, By strengthening the HRDD capacity	System of Co-medicals in Cambodia (Term of
				1.Indicator examples of overall goal (Basic)	the frequency (per year, month, week, etc.) and the definition of the update should be set so as to objectively judge the update situation.		system and implementation capacity of the existing training for Basic Health Staff (BHS) in central, state/region, township Training Teams (TT), By reorganizing central TT to reflect the current situation, enhancing the management system and training capacity of central TT, enhancing the management system and training capacity of state/region TT, and enhancing the management system and training capacity of township TT, Thereby contributing to the implementation of quality existing training based on the training plan at central, state/region, township levels on an as-needed basis.	17. The Project for Strengthening Capacity of Training Teams for Basic Health Staff in Myanmar (Term of Cooperation: May 2009 - May 2014) 43. The project for strengthening

(a) internal monitoring and evaluation at benthit braining institutes, and supportive with the procedure of the procedure. (Proposed model description (2.7) 1. Infinition or camples of overall goal (Blasse) (1) It is mainter of human (1					
evaluation at health training institutes, and supportive supervision and memoring by the procedures. Proposed model description (Charles) (Basko) (Basko)			(4) Internal monitoring and		
invisitutes, and surprintive appearance in the controlled procedures. Perposed makes according to the procedures. Perposed model description (22) Lindicator examples of controlled procedures of controlled procedures. (I) The number of human resources for health increases from as an yy in ble larged area. (I) The number of human resources for health increases from as an yy in ble larged area. (I) The number of human reposition of the Ministry of Health increases from as an yy in the surprint and the procedure of the Ministry of Health increases from as an yy in the larged area. (I) Typronel much description (1) 1. Indicator examples of principle proposes of the Ministry of Health increases from as an according to the best of the provided by WFD controlled to the provided by WFD controlled by WFD controlled to the provided by WFD controlled by WFD controlled to the provided by WFD controlled to the provide		ı	evaluation at health training		
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Canal Indicator examples of coveral goal (Basis)					
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or more. (Proposed model description (2)) 2.Indicator examples of project purposes (1) The rate of health school graduates employed by health facilities					
(Proposed model description (2)) 2.Indicator examples of project purposes (1) The rate of health school graduates employed by health facilities					
(2)) 2.Indicator examples of project purposes (1) The rate of health school graduates employed by health facilities					
(2)) 2.Indicator examples of project purposes (1) The rate of health school graduates employed by health facilities			(Proposed model description		
2.Indicator examples of project purposes (1) The rate of health school graduates employed by health facilities			(2))		
(1) The rate of health school graduates employed by health facilities					
graduates employed by health facilities			project purposes		
health facilities					
[Refer to the following two			health facilities		
[Refer to the following two					
				[Refer to the following two	

continuously produces human pedagogical and technical skills resources for health (medical experts, of teachers of health training preventive medicine personnel, institute in Mozambique nurses, nurses for maternal, neonatal (Term of Cooperation: January 2012 - January 2016) and child health, pharmacy technicians, clinical laboratory technicians) who can provide appropriate health services at health training institutes by improving systems for the quality management of existing teachers and associate teachers as well as human resources for health that are yet to be developed, By standardizing curricula and instruction manuals (instruction procedures for teachers/associate teachers and textbooks for students) for six preferential specialized courses using guidelines that stipulate the development/revision of the curricula and instruction manuals, implementing training for teachers and associate teachers on education and instruction methods, and introducing monitoring and evaluation, supportive supervision and mentoring, and a unified graduation examination, Thereby contributing to the development of quality human resources for health at health training institutes.

To strengthen the health training

By developing and instituting a

system that will form the basis for

nursing education, enhancing the capacity of health training institutes to implement good personnel development programs, and strengthening the coordination mechanism between related organizations for effective

improvement of the health training

Thereby contributing to the development of quality human resources for health and contributing to the improvement of maternal, neonatal and child health services.

University) concept,

system,

system which provides uniform and

quality services based on the CHIPU (Complex Hospital Institute Project

18. Project for Sustainable
Development of Human
Resource for Health to Improve
Maternal, Neonatal and Child
Health Services in Laos (Term
of Cooperation: February 2012 February 2016)

To enhance the capacity of those

32. Support to Human Resource

	1		l I	indicator lists for indicators	offices related to the development of	Development in health sector of
				at a global level:]		DRC in Congo (Term of
				Global Reference List of		Cooperation: November 2010 -
				100 Core Health Indicators	-	October 2013)
				(WHO 2015)	Humaines en Santé (PNDRHS),	Getobel 2013)
				*	· · · · · · · · · · · · · · · · · · ·	
				http://www.who.int/healthi	By enhancing the organizational	
				nfo/indicators/2015/en/SD	operations capacity of those offices	
					related to the development of human	
				SDG Targets and	resources for health, creating and	
				Indicators (also refer to	approving PNDRHS 2011-2015,	
				Sheet 10)	developing regulations within the	
				http://unstats.un.org/sdgs/i	Ministry of Public Health necessary	
				ndicators/indicators-list/	to implement PNDRHS, and	
					establishing an information	
					management system for human	
					resources for health,	
					Thereby contributing to the	
					implementation of PNDRHS.	
					r	
l l						

JICA standard indicator reference and typical lessons learned in technical cooperation projects (Health) Model (7) "Health systems (Health information)"

Development strategic objective	Mid-term objective	Indicators at a program goal level	Mid-term sub-target	Overall goals/Project purposes and indicator examples	Methods/Policies for setting indicators	Typical lessons learned	Example of project purpose (image of projects)	Reference projects
Development strategic objective	Development thematic issue level to which the cooperation program corresponds	Connection with the target years or indicators in sector/regional development plans by the recipient country's government	Level of thematic issue to solve in individual projects	To (outcome) By/through (output) Thereby contributing to	Ways of thinking, points to remember, and important points in setting indicators	Write in lessons and risks to be necessarily used or reflected in implementing projects corresponding to the "mid-term sub-targets" from the perspectives of: 1) planning stages, and 2) management.	Examples of project purpose	Project information with good practices to refer to
Health systems	5 Health information		collection (Surveillance system) 5-2 Information analysis and utilization	health facilities, (Outcome) By establishing a health information system for collection, organization, analysis, and transmission of information on regional health state, its determining factors, and the performance of health facilities, etc. based on data collected from health facilities or communities in the target area, (Output) Thereby contributing to evidence-based appropriate decision making at each level. (Impact) (Standard indicator examples) 1.Indicator examples of overall goal (Basic) (1) The number of health policies and plans developed based on the evidence obtained from the health information system becomes xx or more.	and information system on human resources for health (in Tanzania, South Sudan, DRC), etc., are also subject to the proposed model description.	case of a problem with the counterpart organization, it is necessary to involve the senior organization of the counterpart organization and the contact organizations for the acceptance of assistance from overseas (Ministry of Health and Economic Affairs Bureau (EAD) in the case of Pakistan) in the early stages in order to solve the problem. (From the Reference Project 10. written on the right)	To perform evidence-based conventional tasks and budget planning using the District Health Information System (DHIS) in Pakistan, By developing a nationwide development strategy for DHIS, approving this strategy at the national health information system management committee, having relevant employees at the National Health Information Resource Center (NHIRC) and the provincial/prefectural health offices take DHIS promotion training at the Ministry of Health, NHIRC, and the provincial health offices, by completely, accurately, and appropriately collecting DHIS data from public primary and secondary medical institutions at the prefectural health office, entering the collected data in the DHIS software as well as aggregating and analyzing the data at the prefectural health office, aggregating and analyzing the results of the aggregation and analysis at the Ministry of Health, NHIRC, and the provincial health offices, identifying and utilizing evidence-based allocation of resources (health staff, medicines, etc.) and items for budget allocation at the prefectural and provincial health offices using the results of the DHIS analysis, and appropriately coordinating DHIS promotion between the Ministry of Health-related organizations and the assistance agencies in other countries, Thereby contributing to the development of an evidence-based national health policy/strategy using DHIS in Pakistan. To operate a surveillance/response	10. DHIS Project for Evidence-Based Decision Making and Management (THE DISTRICT HEALTH INFORMATION SYSTEM PROJECT FOR EVIDENCE-BASED DECISION MAKING AND MANAGEMENT) (Term of Cooperation: July 2009 - June 2012)
				project purposes (Basic) (1) Improved information accuracy (based on the cross check results, accuracy of		community volunteers is essential to establish the community-based surveillance system. In Ethiopia which has relatively strong communities, the project was successfully	system based on effective facilities and communities in the target area, By establishing a surveillance system based on effective facilities in the pilot area, approving the effectiveness	January 2008 - January 2015)

	I	I	I				of the system, developing a	I
				(2) Improved information completeness (xx% of the		select reliable human resources in each community as volunteers. In order to	surveillance system based on established facilities in the target	
				information items is			area, establishing a surveillance	
				provided.)		community volunteers, it is necessary to	system based on effective	
				(3) Improved promptness of		carefully research the situation of the social		
				information transmission			approving the effectiveness of the	
				(Information is			system, developing a surveillance system based on established	
				collected/provided on a regular basis (xx times per			communities in the target area,	
				year/month).)		(From the Reference Project 54. written on		
				(4) Quality assessment in		the right)	response capacity based on	
				accordance with			surveillance data in the pilot area, and	
				international standards (Data			establishing a model that connects the	
				Quality Assessment			facility-based system with the	
				Framework, etc.) is conducted xx times.**			community-based system, Thereby contributing to the operation	
					Indicators for health		of surveillance/response systems	
					information systems,		based on effective facilities and	
					which are provided by		communities in the Amhara Region.	
					WHO according to the six			
					blocks of a health system, can also be a good			
					reference. (e.g. Percentage			
					of districts that submit			
					timely, complete, accurate			
					reports to the national			
					level, etc.)			
					http://www.who.int/healthinfo/systems/WHO MBHS			
					S 2010 full web.pdf			
					5 2010 fun web.pur			
					[Refer to the following two			39. Strengthening Development
					indicator lists for indicators			of Human Resource for Health
					at a global level:] Global Reference List of			in Tanzania (Term of Cooperation: November 2010 -
					100 Core Health Indicators		and training of human resources for	
					(WHO 2015)		health who can provide quality health	
					http://www.who.int/healthi		services,	
					nfo/indicators/2015/en/		By enhancing the planning capacity	
					SDG Targets and		of human resources for health at central, regional, and prefectural	
					Indicators (also refer to		levels, and improving the capacity of	
					Sheet 10)		health training institutions related to	
					http://unstats.un.org/sdgs/i		the improving the quality of health	
					ndicators/indicators-list/		services,	
							Thereby contributing to improving	
							the quality of health services in the target area.	
							target area.	
							To promote the development of	52. Human Resource
							human resources for health through	Development for Health in
								Southern Sudan (Term of
								Cooperation: March 2009 - July
							health offices, By enhancing their organizational	2013)
							capacity to enable the Ministry of	
							Health and provincial health offices	
							to effectively implement policies and	
							plans for human resource for health	
							development, improving and utilizing	
I	I				I	I	the Human Resource Information	l

							offices related to the development of human resources for health to	32. Support to Human Resource Development in health sector of DRC (Term of Cooperation: November 2010 - October 2013)
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JICA standard indicator reference and typical lessons learned in technical cooperation projects (Health) Model (8) "Health systems (Medical equipment, etc.)"

Developme strategic objective	Mid-term objective	Indicators at a program goal level	Mid-term sub-target	Overall goals/Project purposes and indicator examples	Methods/Policies for setting indicators	Typical lessons learned	Example of project purpose (image of projects)	Reference projects
Developme strategic objective	cooperation program corresponds	Connection with the target years or indicators in sector/regional development plans by the recipient country's government	Level of thematic issue to solve in individual projects	To (outcome) By/through (output) Thereby contributing to	Ways of thinking, points to remember, and important points in setting indicators	implementing projects corresponding to the "mid-term sub-targets" from the perspectives of: 1) planning stages, and 2) management.	Examples of project purpose	Project information with good practices to refer to
Health system	s 6 Medicines, vaccines, and technology		6-2 Stable procurement 6-6 Facility and equipment maintenance		*Based on the assumption that the medical equipment	should also be provided during the project. It is desirable to include the necessary expenses (for repair/maintenance of medical equipment, inventory control training, traveling, and promotional activities, etc.) in the total annual expenses at the time of budget planning. (From the Reference Project 51. written on the right)	maintenance and management of medical materials and equipment at	5. Health Capital Investment Support Project in Zambia (Term of Cooperation: April 2009 - March 2012)
				overall goal (Basic) (1) xx% or more* of "major medical equipment" provided in the guidelines on maintenance and management of medical equipment is functional.	country, in the region, or in			
				medical equipment (specific name) increases by xx% since completion of the				

project purposes essential medicines, where the project purposes essential medicines, where the project purposes essential medicines, where the project purposes is a second of the project purposes.			(3) Medical equipment requiring repair reduces by xx%.* (4) The inventory reduces to xx in terms of monetary amount. 2. Indicator examples of project purposes (Basic) (1) The "medical equipment management monitoring score" becomes xx or more. (2) The time required between request and action to renew medical equipment and the purchase of spare parts is shortened. (3) The number of days of out-of-medical equipment/spare parts	medicines, etc.) http://www.who.int/heal nfo/systems/WHO_MBI S_2010_full_web.pdf [Refer to the following t indicator lists for indicat at a global level:] Global Reference List of 100 Core Health Indicat (WHO 2015) http://www.who.int/heal nfo/indicators/2015/en/ SDG Targets and Indicators (also refer to
			(Basic) (1) The "medical equipment management monitoring score" becomes xx or more. (2) The time required between request and action to renew medical equipment and the purchase of spare parts is shortened. (3) The number of days of out-of-medical equipment/spare parts	are provided by WHO according to the six blood of a health system, can be a good reference. (e. Existence and year of the last update of the publis national list of essential medicines, etc.) http://www.who.int/heanfo/systems/WHO_MB_S_2010_full_web.pdf
(1) The "medical equipment management monitoring score" becomes xx or more. (2) The time required between request and action to renew medical equipment and the purchase of spare parts is shortened. (3) The number of days of out-of-medical equipment/spare parts (1) The "medical equipment according to the six blo of a health system, can be a good reference. (e Existence and year of t last update of the public national list of essential medicines, etc.) http://www.who.int/he.mfo/systems/WHO_MI			inventory reduces to xx.	indicator lists for indicatata global level:] Global Reference List o 100 Core Health Indicat (WHO 2015) http://www.who.int/heanfo/indicators/2015/en/ SDG Targets and Indicators (also refer to Sheet 10) http://unstats.un.org/sdg
(1) The "medical equipment management monitoring score" becomes xx or more. (2) The time required between request and action to renew medical equipment and the purchase of spare parts is shortened. (3) The number of days of out-of-medical equipment/spare parts inventory reduces to xx. [Refer to the following indicator lists for indic at a global level:] Global Reference List 100 Core Health Indicators (also refer to Sheet 10) http://www.who.int/henfo/indicators/2015/en				ndicators/indicators-list
(1) The "medical equipment management monitoring score" becomes xx or more. (2) The time required between request and action to renew medical equipment and the purchase of spare parts is shortened. (3) The number of days of out-of-medical equipment/spare parts inventory reduces to xx. [Refer to the following indicator lists for indic at a global level:] Global Reference List 100 Core Health Indicators (also refer to Sheet 10) http://www.who.int/henfo/indicators/2015/en				

To establish the "Medical Equipment Management System of Cambodia" and implement medical equipment management through collaboration between the National Workshop Team (NWT) of the Ministry of Health, the target Complementary Package of Activities 3/National Hospital (CPA3/NH), and the target Complementary Package of Activities 2 (CPA2),

By establishing systems for medical equipment management (including maintenance, inspection, simple repair, allocation, and budget planning, etc.) to be implemented by the entire CPA3/NH, strengthening medical equipment management activities at leading CPA3/NH which play a central role in the "Medical Equipment Management System of Cambodia", enhancing the capacity necessary to provide instructions to CPA2, building the basis of a consultation, support, and supervision network for medical equipment management between NWT, leading CPA3/NH, and the target CPA2, and enhancing the supervisory function of NWT for medical equipment management, Thereby contributing to stabilizing

the "Medical Equipment Management System of Cambodia" established in this project and spreading the system to CPA2 other than the target CPA2.

To establish systems for the efficient and appropriate, management and utilization of medicines, medical products, and medical equipment at national and prefectural levels, By establishing systems to support the national and prefectural levels through the Medical Equipment Service Center (MES) and the logistics center, improving the management, maintenance, and repair capacity of medical equipment maintenance engineers at MES and central/prefectural hospitals, improving the managerial capacity of managers at central/prefectural hospitals, and improving the capacity of personnel in charge of inventory

45. The Project on Strengthening of Medical Equipment
Management in Referral
Hospitals in Cambodia (aka
"MEDEM-2") (Term of
Cooperation: July 2009 - June
2014)

51. Project for Strengthening Medical Logistics in Laos (Term of Cooperation: May 2005 -April 2008)

					management and utilization, By expanding 5S-KAIZEN-TQM activities to the target hospital,	28. Project on Improvement of Health Service through Health Infrastructure Management in Uganda (Term of Cooperation: March 2011 - June 2014)
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3.1 By 2030, reduce the global maternal mortality ratio to less than 70 per	3.1.1 Maternal mortality ratio		
100,000 live births	3.1.2 Proportion of births attended by skilled health personnel		
3.2 By 2030, end preventable deaths of newborns and children under 5 years of age, with all countries aiming to reduce neonatal mortality to at least as low as 12 per 1,000 live births and under-5 mortality to at least as low as 25 per	3.2.1 Under-five mortality rate 3.2.2 Neonatal mortality rate		
1,000 live births			
	3.3.1 Number of new HIV infections per 1,000 uninfected population, by sex, age and key populations		
3.3 By 2030, end the epidemics of AIDS, tuberculosis, malaria and neglected	3.3.2 Tuberculosis incidence per 1,000 population		
tropical diseases and combat hepatitis, water-borne diseases and other	3.3.3 Malaria incidence per 1,000 population		
communicable diseases	3.3.4 Hepatitis B incidence per 100,000 population		
	3.3.5 Number of people requiring interventions against neglected tropical		
	diseases		
3.4 By 2030, reduce by one third premature mortality from non-communicable	3.4.1 Mortality rate attributed to cardiovascular disease, cancer, diabetes or		
diseases through prevention and treatment and promote mental health and	chronic respiratory disease		
well-being	3.4.2 Suicide mortality rate		
	3.5.1 Coverage of treatment interventions (pharmacological, psychosocial and		
3.5 Strengthen the prevention and treatment of substance abuse, including	rehabilitation and aftercare services) for substance use disorders		
narcotic drug abuse and harmful use of alcohol	3.5.2 Harmful use of alcohol, defined according to the national context as alcoho		
·	per capita consumption (aged 15 years and older) within a calendar year in litres of pure alcohol		
3.6 By 2020, halve the number of global deaths and injuries from road traffic accidents	3.6.1 Death rate due to road traffic injuries		
3.7 By 2030, ensure universal access to sexual and reproductive health-care	3.7.1 Proportion of women of reproductive age (aged 15-49 years) who have their		
services, including for family planning, information and education, and the	need for family planning satisfied with modern methods		
integration of reproductive health into national strategies and programmes	3.7.2 Adolescent birth rate (aged 10-14 years; aged 15-19 years) per 1,000 womer in that age group		
	3.8.1 Coverage of essential health services (defined as the average coverage of		
	essential services based on tracer interventions that include reproductive,		
3.8 Achieve universal health coverage, including financial risk protection,	maternal, newborn and child health, infectious diseases, non-communicable		
access to quality essential health-care services and access to safe, effective,	diseases and service capacity and access, among the general and the most		
quality and affordable essential medicines and vaccines for all	disadvantaged population)		
	3.8.2 Number of people covered by health insurance or a public health system per 1,000 population		
	3.9.1 Mortality rate attributed to household and ambient air pollution		
3.9 By 2030, substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water and soil pollution and contamination	3.9.2 Mortality rate attributed to unsafe water, unsafe sanitation and lack of hygiene (exposure to unsafe Water, Sanitation and Hygiene for All (WASH) services)		
	3.9.3 Mortality rate attributed to unintentional poisoning		
3.a Strengthen the implementation of the World Health Organization	3.a.1 Age-standardized prevalence of current tobacco use among persons aged		
Framework Convention on Tobacco Control in all countries, as appropriate	15 years and older		
3.b Support the research and development of vaccines and medicines for the communicable and non-communicable diseases that primarily affect developing countries, provide access to affordable essential medicines and	3.b.1 Proportion of the population with access to affordable medicines and vaccines on a sustainable basis		
vaccines, in accordance with the Doha Declaration on the TRIPS Agreement and Public Health, which affirms the right of developing countries to use to the full the provisions in the Agreement on Trade-Related Aspects of			
Intellectual Property Rights regarding flexibilities to protect public health, and, in particular, provide access to medicines for all	3.b.2 Total net official development assistance to medical research and basic health sectors		
3.c Substantially increase health financing and the recruitment, development,			
training and retention of the health workforce in developing countries,	3.c.1 Health worker density and distribution		
especially in least developed countries and small island developing States			
3.d Strengthen the capacity of all countries, in particular developing countries, for early warning, risk reduction and management of national and global health risks	3.d.1 International Health Regulations (IHR) capacity and health emergency preparedness		

