Grant Aid Projects/Standard Indicator Reference (Health)

Examples of Setting Indicators for Each Development Strategic Objective

| Sector | Development strategic objectives (*) | Mid-term objectives | Sub-targets of mid-term objectives | Types of infrastructure | Standard indicator examples Policy and mether indicators in the standard indicator examples indicators in the standard ind | Project name | Y of uation |
|---------------------------------|--|---|--|--|--|---|----------------|
| Maternal and child health | 1. Improving maternal and child health conditions | 1-1. Improving maternal health | 1-1-1. Safe childbirth | Obstetrics and gynecology facilities and equipment | The number of Cesarean sections per year The number of gynecological operations per year Supplementary indicators The facility-based delivery rate in the target area (provided that health/hospital statistics are available) The number of high-risk delivery practices (suction, forceps delivery, etc.) per year The number of patients who received antenatal care/postnatal care per year The number of referrals for high-risk delivery The number of referrals for high-risk delivery The target area' covered by the hosp often difficult to mortality (out of 1) | strengthen the function of the National Hospital for Obstetrics and Gynecology (NHOG) as a top referral hospital as well as to strengthen its education and training capacity for lower-level proventions of preventions of after taking the ate into account. could be the area ital, a city, etc. It is compare maternal 00,000 childbirths) ces in each area are to strengthen the function of the National Hospital as well as to strengthen its education and training capacity for lower-level provincial hospitals, by taking the following measures at the NHOG: procuring advanced medical equipment needed to give staff from lower-level hospitals technical guidance on obstetrics and gynecology. The objective of the project was to | 010 |
| | | 1-2. Improving infant health | 1-2-1. Care for the newborn and infants at health facilities | Facilities and equipment for neonatal units and pediatrics departments | Basic indicators The number of patients at neonatal care units The number of operations at pediatrics departments The number of outpatients at pediatrics departments Note that there may number of outpatitreated at primary increases and tertifunctioning properly | nan resources are ted. strengthen the functions of University Clinics of Kinshasa as a tertiary referral hospital, by improving medical hospital, by improving medical thereby increasing the hospital's technical levels and capacity to host ary hospitals stop ractical training. | 010 |

| | | | | | Effect indicators | Supplementary indicators Infant mortality rate (per 1000) in the target area (provided that health statistics are available) Under 5 Mortality Rate (per 1000)in the target area (provided that health statistics are available) | | | | | |
|----------------------------|----------------------------|--|---|---|--|--|--|--|--------|---|-----------|
| | | | 1-2-2. Preventing infectious diseases in infants | Vaccines and cold chain equipment for vaccinations (refrigerators, cold boxes, vaccine carriers, etc.) | Effect indicators Operation indicators | The capacity of the central storage (a cold room or a freezer room) (m²) The capacity of regional/district storage (m²) Supplementary indicators The immunization rate for the DPT3 and measles1 vaccine in the target area (%) The frequency of transporting vaccines from the central to the local (times/year) Vaccine wastage rate (the number wasted(the number procured – the number administered)÷ the number procured) | not increase by improving equipment alone, the expected direct output of equipment improvement may be that the number of vaccine doses discarded would be reduced due to vaccines being stored and transported under appropriate temperature control. Equipment improvement alone would not increase vaccination rates because the success of vaccination projects largely depends on local cultural factors (such as gender) in addition to the availability of an appropriate human resource and operation cost. However, if all the factors are resolved, the incidence of the disease and mortality could become effective | which did not have appropriate cold chain equipment, by replacing their unusable or decrepit refrigerators, cold boxes and vaccine carriers with new ones. The objective of the project was to increase the number of health facilities which can provide regular immunization services (thereby increasing access to immunization services), by improving cold chain | Uganda | The Expanded Programme on Immunization The Project for the Improvement of Uganda National Expanded Programme on Immunization | 2008 |
| Infectious disease control | 1. Measures against HIV | 1-1. Preventing HIV infection | 1-1-1. Strengthening the testing systems and improving access to testing | Rapid test kits for HIV | Effect indicators Operation indicators | | the test kits and the implementation of the tests, those who are HIV positive can access to appropriate care and awareness-raising activities could prevent further spread of infections. | The objective of the project was to increase the number of HIV counseling sessions and tests conducted by strengthening HIV counseling and testing systems through the procurement and supply of rapid test kits for HIV across the country. | - | The Project for HIV/AIDS Control | 2009/2010 |

| | | 1-2. Treatment of AIDS | 1-2-1. Strengthening AIDS treatment systems at health facilities | The installation of related equipment (such as CD4 count machines) (a type of hospital equipment) | Effect indicators Operation indicators | The number of times CD4 count machines that are used (times/year) | the appropriate doses of ARV | receive care and treatment promptly, by F | Democratic Republic of | The Project for the Improvement of Equipment at University Clinics of Kinshasa | 2010 |
|----------------------------------|-----------------|---|---|--|--|--|---|---|-----------------------------|--|------|
| | 2. Tuberculosis | 2-1. Improving the capacity to conduct DOTS | 2-1-3. Strengthening logistics capacity | Anti-TB drugs and reagents for TB diagnosis | Effect indicators Operation indicators | The DOTS coverage (DOTS: directly observed treatment, short-course) The number of new adult patients who can be treated under the DOTS program (unit: patients) The number of adult relapsing patients who need retreatment and who can be treated under the DOTS program (unit: patients) The number of smear-positive cases newly detected | implementation of DOTS are the supply of anti-TB drugs, reagents for TB testing, etc. as well as the availability of technicians. The number of new patients (the number of positive cases detected), the number of relapsing patients registered, etc. often | distributing anti-TB drugs (for adults) needed to control TB across the country. | The People's Republic of | | 2010 |
| Infectious disease control | Control | 2-2. Improving the capacity to provide treatments beyond DOTS | 2-2-2. Improving the capacity (diagnosis, research and treatment) to control MDR-TB (multidrug-resistant tuberculosis) | The improvement of TB wards, the installation of TB culture laboratories | Effect indicators Operation indicators | The number of imaging tests per year | The increase in the number of cultures performed could lead to improvements in the ability to diagnose in the laboratories. | The objective of the project was to a provide testing and treatment services for the three major infectious diseases, particularly serious respiratory infectious diseases such as MDR-TB and TB/HIV co-infection, by constructing a hospital and procuring equipment in Kabul. | Afghanistan | The Project for Construction of Hospital for Communicable Disease | 2010 |

| 3. Malaria control | 3-1. Prevention of malaria infection | 3-1-1. Strengthening measures to control infection routes and sources of infection | Long-lasting insecticidal mosquito nets, agent kits | Effect indicators Operation indicators | Basic indicators The number of insecticide treated nets (ITNs) owned by each household, the percentage of households which own ITNs (%) The number of ITNs used by children under the age of five and pregnant women per year Basic indicators The number of people who contracted malaria and the number of deaths due to malaria per year in the target area | household. Note that infants, expectant and nursing mothers can only use ITNs if there is more than one ITN in | The objective of the project was to increase the use of long-lasting insecticidal nets (LLINs) by children under the age of five and pregnant women, by procuring and distributing LLINs. The objective of the project was to prevent malaria infection by providing ITNs and the kits containing insecticides and immersion agents needed to control malaria. | | The Project for Malaria Control The Project for Malaria Control | 2006 |
|-----------------------|---|--|--|--|---|---|---|---------|--|------|
| | 3-2. | 3-2-1. Improving testing and diagnostic capacities | Rapid diagnostic test kits, microscopes and related equipment | Operation indicators | Basic indicators The number of outpatients at primary health facilities per year The number of rapid malaria diagnoses performed at primary health facilities per year The number of microscopic diagnoses performed at primary health facilities per year Supplementary indicators An increase in the number of people infected with malaria per year The number of referral patients per year | at primary health facilities which are easy for local residents to access can lead to prompt treatment. However, this measure could result in an increase in the number of patients and infected people diagnosed. | The expected outcomes of the implementation of the project included the following, among others: (1) the strengthening of comprehensive malaria control measures including prevention, diagnosis, treatment and awareness raising would reduce the malaria incidence and mortality; (2) the project would enable about 100,000 expectant and nursing women to sleep in safe conditions; and (3) the project would enable rapid and appropriate malaria diagnosis. | Viger | The Project for Malaria Control | 2008 |
| 3. Malaria control | Strengthening the rapid diagnosis and treatment systems | 3-2-2. Strengthening systems for appropriate treatment | Medicines, vehicles for transporting medicines | Effect indicators Operation indicators | Basic indicators The number of outpatients at each health facility per year The number of patients treated (the number of therapeutic drugs that are used) Basic indicators Malaria mortality in the target area | improved access to medicines because | Through equipping public health I facilities with medicines, malaria patients who could not receive consultation and treatment services at health facilities in the past will be able to receive appropriate malaria diagnosis and treatment at appropriate times, and this will increase the number of patients examined and treated in the divisions and state subject to the project. | Myanmar | The Project for Malaria Control | 2008 |

| Health | 1. Capacity Building for HRH | 1-2. Development of highly qualified HRH | 1-2-1. Quantitative and qualitative improvement of training for HRH | Facilities and equipment for training schools for HRH | Effect indicators Operation indicators | Basic indicators The classroom floor area per student Supplementary indicators The number of students per teacher The number of teaching aids per student Basic indicators The number of health personnel who receive high quality training (people/year) Supplementary indicators The percentage of graduates from the target schools who passed national qualification test | | environments of nursing schools and improve the levels of medical services provided by nurses, by equipping national universities and nursing | nocratic ublic of Congo | The Project for Improvement of Education Equipment of Nursing The Project for the Improvement of the Health Personnel Center in Kinshasa | 2009 |
|-------------------|--|---|--|--|--|--|--|---|-------------------------------|---|------|
| | Capacity building for HRH | 1-2. Development of highly qualified HRH | 1-2-2. Improving technical skills of new and current health personnel | Equipment for clinical practice at health facilities | Operation indicators | Basic indicators The number of clinical practice sessions for students at health facilities (times/year) The number of clinical practice sessions for current health personnel at health facilities (people/year) The number of trainees hosted at health facilities (people/year) | practice through improvement in the clinical practice environment in health facilities (improvement of observation spaces for delivery rooms and | hospital as a tertiary referral hospital, by improving medical equipment at the hospital, thereby improving its medical | | The Project for the Improvement of the Medical Equipment of the University Teaching Hospital | 2009 |
| Health systems | 2. Improving access to health services | 2-1. Improving access to medical facilities and improving the quality of services | 2-1-1. Qualitative and quantitative improvement of secondary and tertiary medical services | The construction of hospitals and improvement of equipment | Operation indicators | Basic indicators The number of hospital beds (unit: beds) The number of tests performed (tests/year) The number of operations (operations/year) The number of outpatients (people/year) The number of inpatients (people/year) Supplementary indicators The time required to access medical institutions The number of patients referred from lower-level medical facilities (people/year)* Reduction in waiting time at higher-level medical facilities | beds and operating rooms and upgrading of decrepit or malfunctioning equipment will improve the testing and treatment systems. *Upgrading secondary hospitals will contribute to reduce waiting times at neighboring tertiary hospitals because the secondary hospitals can receive more patients referred from primary | The objective of the project was to The provide medical services such as Cesarean operations and other operations including appendectomy that were not available in the Province of Aurora, | ippines | The Project for Improvement of Aurora Memorial Hospital | 2009 |

| | 2-1-2. Qualitative and quantitative improvement of primary medical services | The improvement of primary health facilities using grant aid for community empowerment | Effect indicators Operation indicators | The average radius of the catchment areas of primary health care facilities in target area (km) The number of outpatients (medical examination and vaccination)* Supplementary indicators The number of medical examinations received per | provided that medical personnel and drugs and medicines are allocated at primary health care facilities. The reduction of the number of maternal deaths and the deaths of children under the age of five requires | services by constructing CHPS (Community Based Health Planning and Services) compounds (health posts) along with the provision of necessary equipment in the Upper West Region. | The Project for the Development of CHPS Infrastructure in the Upper West Region | 2012 |
|--|--|---|--|---|---|---|--|------|
| 2-2. Strengthenin g the emergency care systems | 2-2-1. Improving the patient transportation systems and preparedness for receiving patients in emergencies | The improvement of ambulances, and equipment and facilities for the emergency department at hospitals | Operation indicators | Supplementary indicators The number of requests from patients on | appropriate use of them for emergency transportation. Both data collected at hospitals receiving patients and the number of times ambulances were dispatched should be looked at. *The number should be counted for each emergency station. | project was to strengthen emergency medical services in Syria by procuring ambulances, onboard equipment, and radio equipment for six target provinces. The objective of the project was to improve the survival rate of patients through emergency medical care by enabling early diagnosis and treatment. This was achieved by improving the emergency medical equipment at regional hospitals in provincial areas, at general hospitals and emergency transportation centers in the capital city. | The Project for Upgrading Emergency Services The Project for the Improvement of the Medical Equipment of the Regional Level Emergency Centers | 2008 |

^(*) Development strategic objectives which do not apply to any grant aid projects are omitted. Mid-term objectives and sub-targets of mid-term objectives which do not apply to grant aid projects were also omitted.

HRH; human resources for health