JICA Partnerships in Vaccine Manufacturing and Immunization

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Overview of JICA

Several Secotors;
- Education
- **Health**
- Water
- Peace-Building
- Transportation
- Natural Resources
- Economic Policy
- Agricultural/Rural Dev.
- Environment
- Urban Dev. etc.

Budget:

- **about 11.75 billion USD.**
- Tech. Coop.: 1,678 mil.
- ODA Loan: 8,646 mil.
- Grant Aid: 1,416 mil.

About **250-350 mill. allocated for Health**

**Key Priorities of JICA’s Health Sector**

1. Health Systems (capacity, services, workforce etc.) to advance UHC
2. MCH and infectious disease control
3. Utilization of Japanese health technology
Top 12 OECD DAC donor health disbursements totalling USD6,588mn in 2012 (USD millions)

- United States, 1,491
- United Kingdom, 1,037
- Japan, 819
- Canada, 482
- EU Institutions, 533
- Germany, 339
- Australia, 338
- Netherlands, 235
- Norway, 206
- Korea, 188
- Denmark, 171
- Sweden, 113
1. Support for Vaccine Manufacturing
2. Support for Vaccine Safety and Quality
3. Support for Vaccine Supply
1. Support for Vaccine Manufacturing


- Technical Transfer of MR Vaccine Manufacturing Technology of Japan
- To achieve domestic supply and utilize routine EPI in Vietnam

KDSV Co., Ltd.

Technical Corporation
Past cases of Vaccine Manufacturing


Technical Corporation

Kitasato Institute

Basis of the present MR Vaccine Manufacturing Support
Technical Corporation for Measles, OPV manufacturing (from 1989 to 1997)

Prequalified by WHO in 1997 on OPV and MV
- Value of Support for Vaccine manufacture

Contribution for Global Health;

- Stable domestic supply and Emergency Supply (ex, Measles Outbreak in Vietnam, 2014)

- Satisfy worldwide demand through the export (ex, Biofarma)

- Supply for EPI Campaign by International Organization, such as UNICEF
2. Support for Vaccine Safety and Quality

Assistance for NRA (National Regulatory Authorities) Strengthening for Vaccine Safety and Quality

Implement the JICA Training Program for NRA Strengthening (2014-2016)

Participants;
India, Indonesia, Viet Nam, Mongolia, Pakistan and Bangladesh

In collaboration with Japanese NRAs;
- MHLW (Ministry of Health, Labour and Welfare)
- NIID (National Institute of Infection Diseases)
Good Manufacturing without Proper Supply and Access is non-significant
Yen Loan for Polio Eradication:

- Pakistan (4.9 billion USD, 2011): to procure 165 million polio vaccine doses

- Nigeria (8.2 billion USD, 2014): to procure 476 million polio vaccine doses.

- Partnership with Bill & Melinda Gates Foundation as a "Loan Conversion" mechanism.
Partnership with BMGF
“Loan Conversion”

- If the performance audit evaluates the project’s outcome as satisfactory, “Loan Conversion” is triggered.
- Then, Gates Foundation assumes the debt of Pakistan, and repays, on behalf of Pakistan.
Budgetary Support to UNICEF for Procurement of Vaccine and Cold Chin Equipment

- 2014
  Afghanistan (11.6 mil), Pakistan (3.8 mil)

- 2013
  Afghanistan (13.0 mil), Pakistan (2.4 mil), Zambia (2.3 mil), Nigeria (2.7 mil)

- 2012
  India (1.46 mil), Nigeria (7.3 mil), Afghanistan (13.0 mil)

- 2011
  India (2.3 mil), Afghanistan (5.5 mil), Angola (4.6 mil), Liberia (3.7 mil), Zimbabwe (5.6 mil), Pakistan (2.6 mil)
Support for Vaccine Supply
JICA Technical Cooperation


Project Area: KHYBER PAKHTUNKHWA (KP Province)

Objective: The number of immunized children with measles and PENTA vaccines under two years old is increased.

Outputs;
1. EPI service delivery by Lady Health Workers (LHWs) is strengthened
2. EPI service management programme is strengthened
3. Vaccine Logistics is strengthened
4. The reporting and follow-up system of zero vaccinated children is established
Thank you for your Attention.