



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.

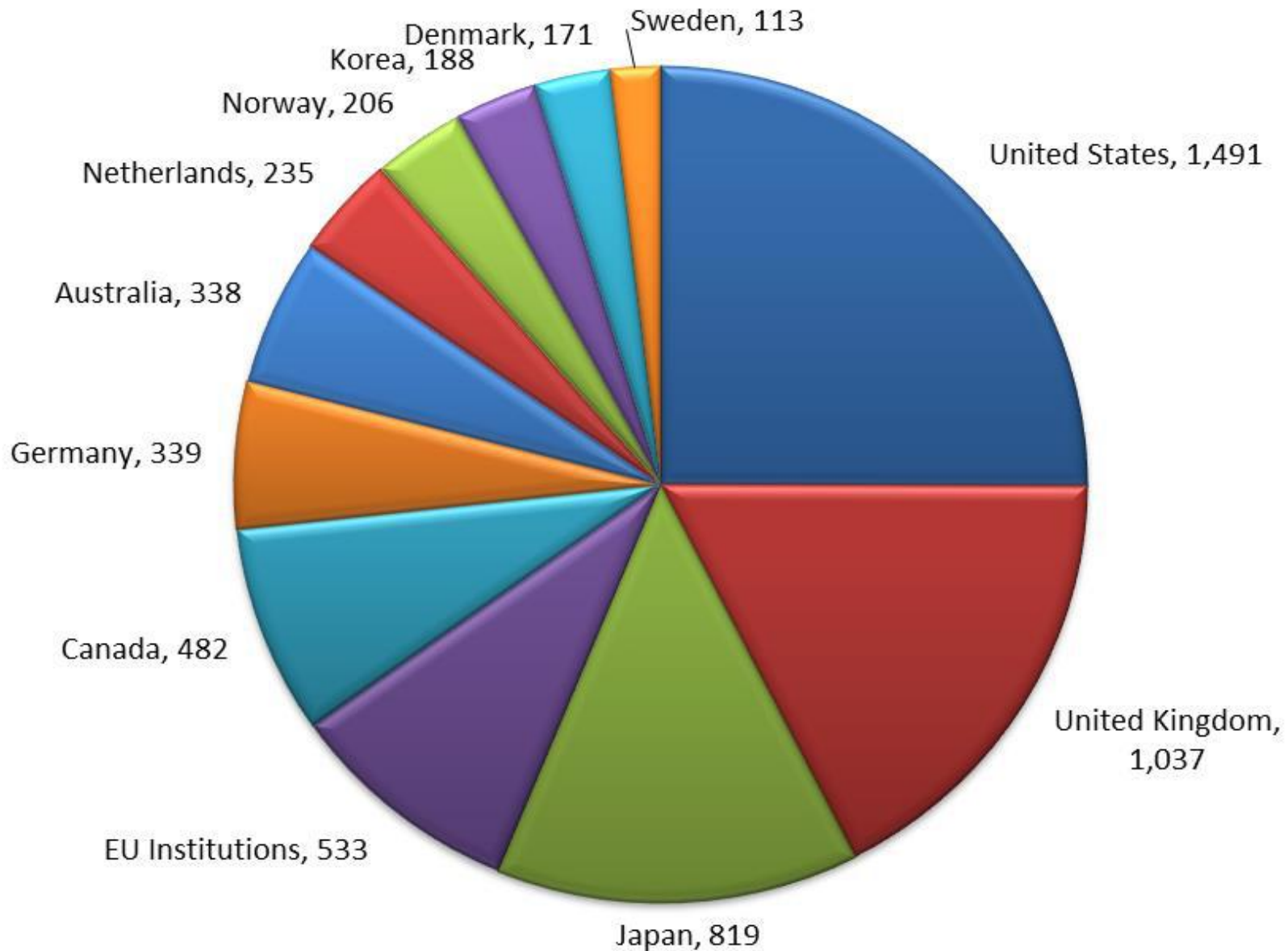
- Tech. Coop.: 1,678 mil.
- ODA Loan: 8,646 mil.
- Grant Aid: 1,416 mil.

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)



Agenda

1. Support for Vaccine Manufacturing

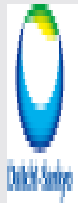
2. Support for Vaccine Safety and Quality

3. Support for Vaccine Supply



1. Support for Vaccine Manufacturing

Project for MR Vaccine Manufacturing In Vietnam (2013-2018)



北里第一三共ワクチン株式会社

KDSV Co.,Ltd.

Technical
Corporation



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



-Past cases of Vaccine Manufacturing

Project for Measles Vaccine Manufacturing In Vietnam (2005-2010)



**Technical
Corporation**



POLYVAC



学校法人
北里研究所
THE KITASATO INSTITUTE

Kitasato Institute

Basis of the present MR Vaccine Manufacturing Support



-Past cases of Vaccine Manufacturing

Technical Corporation for Measles, OPV manufacturing (from 1989 to 1997)



**Technical
Corporation**



Prequalified by
WHO in 1997
on OPV and MV



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)

3. Support for Vaccine Supply

**Good Manufacturing
without Proper Supply and Access
is non-significant**

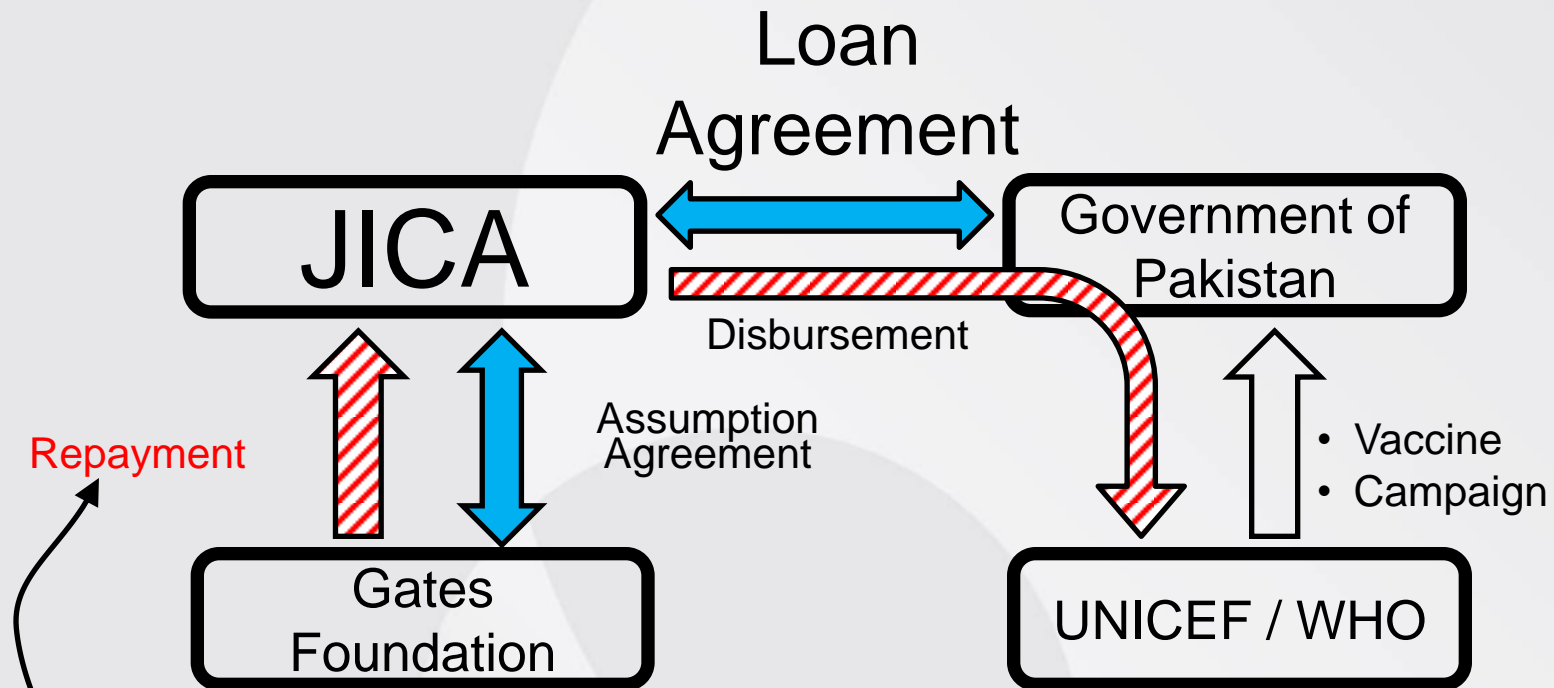


-Support for Vaccine Supply (Polio) Partnership with BMGF

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



-Support for Vaccine Supply Partnership with UNICEF

Budgetary Support to UNICEF for Procurement of Vaccine and Cold Chain 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 for Strengthening of Routine Immunization in Pakistan (2014-2017)

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.