



The Global Language of Business

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The Global Language of Business

What does a local multi stakeholder journey to global standardisation entail

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What Does a Local Multi Stakeholder Journey to Global Standardization Entail

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Dr. Saqlain Gillani, National Program Manager, Federal EPI

Dr. Muhammad Tariq, Country Director Pakistan, John Snow, Inc. & USAID |
DELIVER PROJECT, Health Logistics

PAKISTAN

20 April 2016, Dubai



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Pakistan

Total population: >191million^{*1}

Administrative structure: 5 provinces, 143 districts

- High Burden of diseases (both CD and NCD) ^{*2}
- Availability of key medicines 39% ^{*3}
- Pakistan's US\$ 2.3B^{*4} pharmaceutical market is 10th largest in Asia Pacific, behind Philippines & ahead of Vietnam with exports US\$164M
- More than 700 Pharma Enterprises
- 1100 registered molecules, 75,000 Registered brands
- Out of Pocket expenditure on drugs accounts for 63%^{*5}



^{*1} World Meter, April 2016

^{*2} World Bank – 2013

^{*3} Pakistan Pharmaceutical Situation Assessment Survey 2014

^{*4} IMS Health 2009

^{*5} WHO 2004a

CPR:	26%/2012
RI coverage:	54%/2012
Static Facilities:	16,000
EPI Centers:	>13000
CB Health workforce:	100,000
TB-DOT Centers:	6500
MDR Treatment centers:	30



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A Model for the Global Community: Open Source LMIS



LMIS

Pakistan Logistics Management Information System



VACCINES

<http://v.lmis.gov.pk>

After the Measles outbreak in 2012, the Government of Pakistan (GOP) formally requested USAID to support design, development and deployment of vLMIS on the lines of cLMIS, as its 9th recommendation from the federal ombudsman report.... [More](#)

2014

CONTRACEPTIVES

<http://c.lmis.gov.pk>

The cLMIS was launched by the Prime Minister of Pakistan in July 2011 as the first web-based LMIS under the ownership of the Government of Pakistan (GOP), and provides contraceptives logistics data for both health and population departments since January 2010.... [More](#)

2011

TUBERCULOSIS

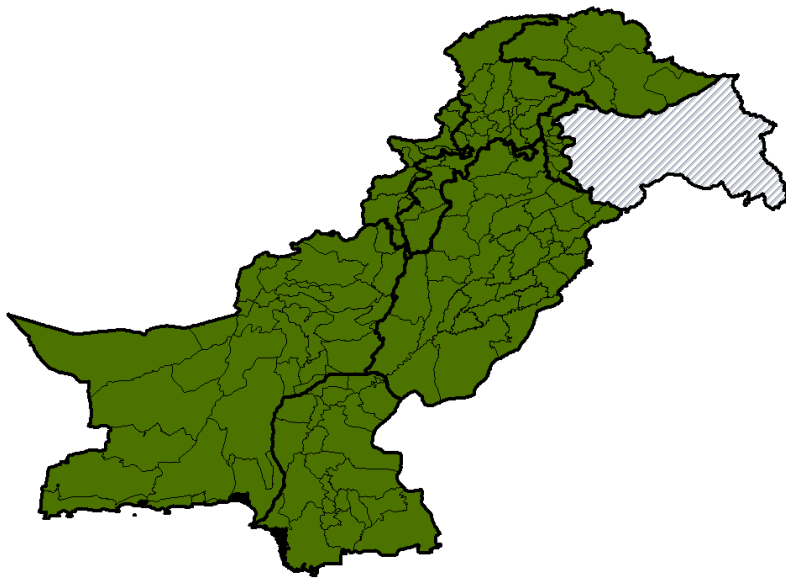
<http://t.lmis.gov.pk>

The Government of Pakistan (NTP/PTP/MNH5RC) with financing and technical assistance from the Global Fund to fight AIDS, Tuberculosis and Malaria (GFATM) and USAID | DELIVER PROJECT launched TB-DMIS in March 2013. TB_DMIS is being reported by [More](#)

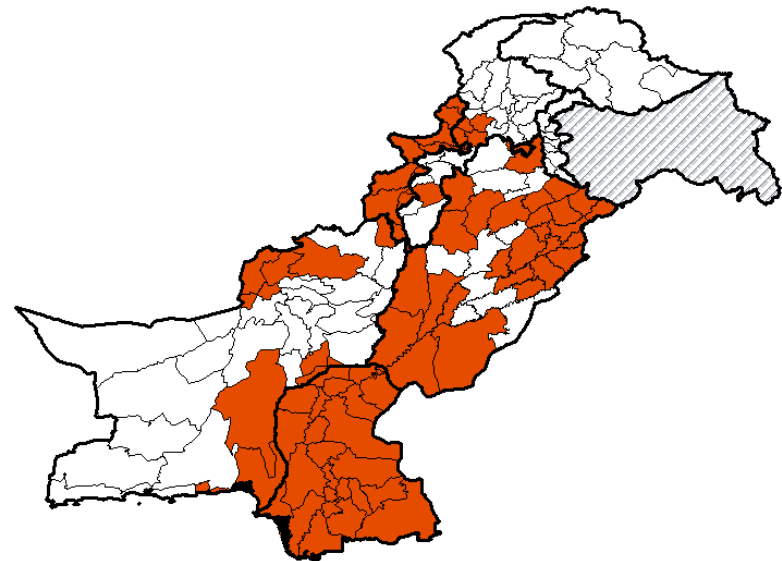
2013



cLMIS & vLMIS Coverage



cLMIS – Data visibility



vLMIS – Data visibility



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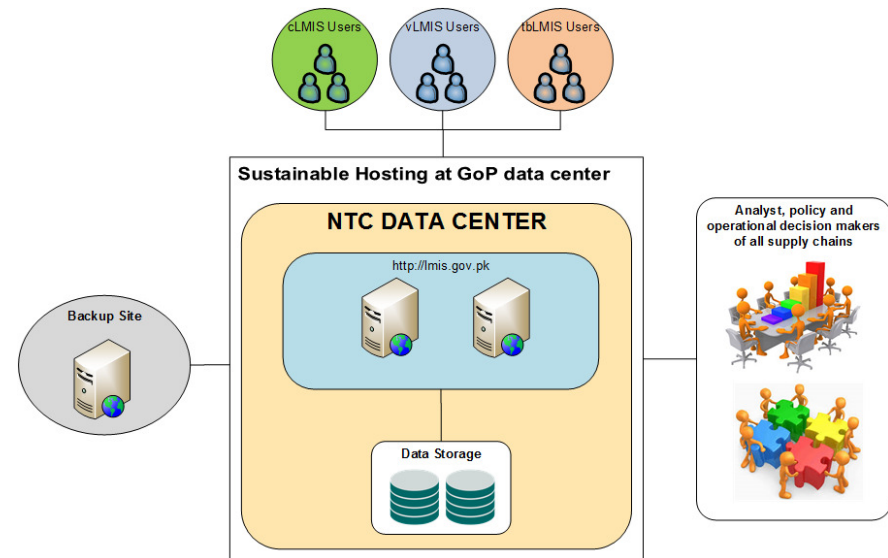
Hardware & Data Hosting Controls, Security and Maintenance with Govt. of Pakistan (GoP)

Hosting Company Data Center



Private data hosting for GoP data with less control

National Telecommunication Corporation (NTC), Ministry of IT – GoP Owned Data Center



Secure data hosting for GoP data with More control



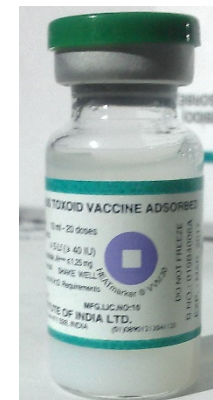
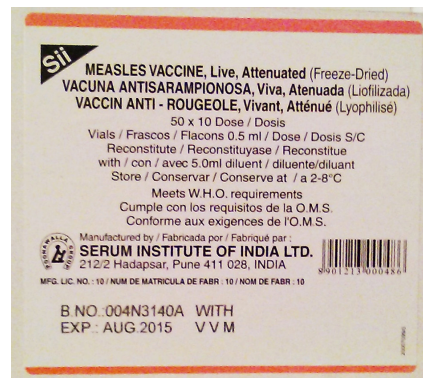
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GS 1 Pilot Products

Contraceptive



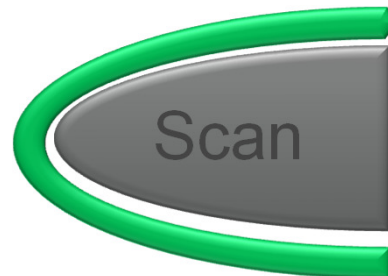
Vaccine (Measles & Tetanus Toxoid)





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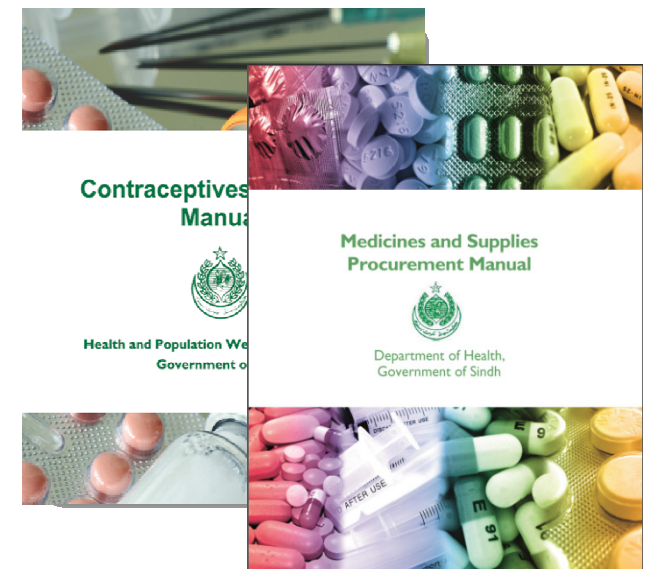
Institutional Capacity Building on Barcoding Technology





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Provincial Governments and DRAP are leading to improve procurement governance & accountability





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Envisioning a track & trace in Pharmaceutical Systems; lives can be saved when implemented (Lahore Tragedy)

Case of IsoTab and Tyno Syrup

Deaths of 186 patients in 2012 at PIC due to Adverse Drug Reaction by ISOTAB; another 1000 patients patients

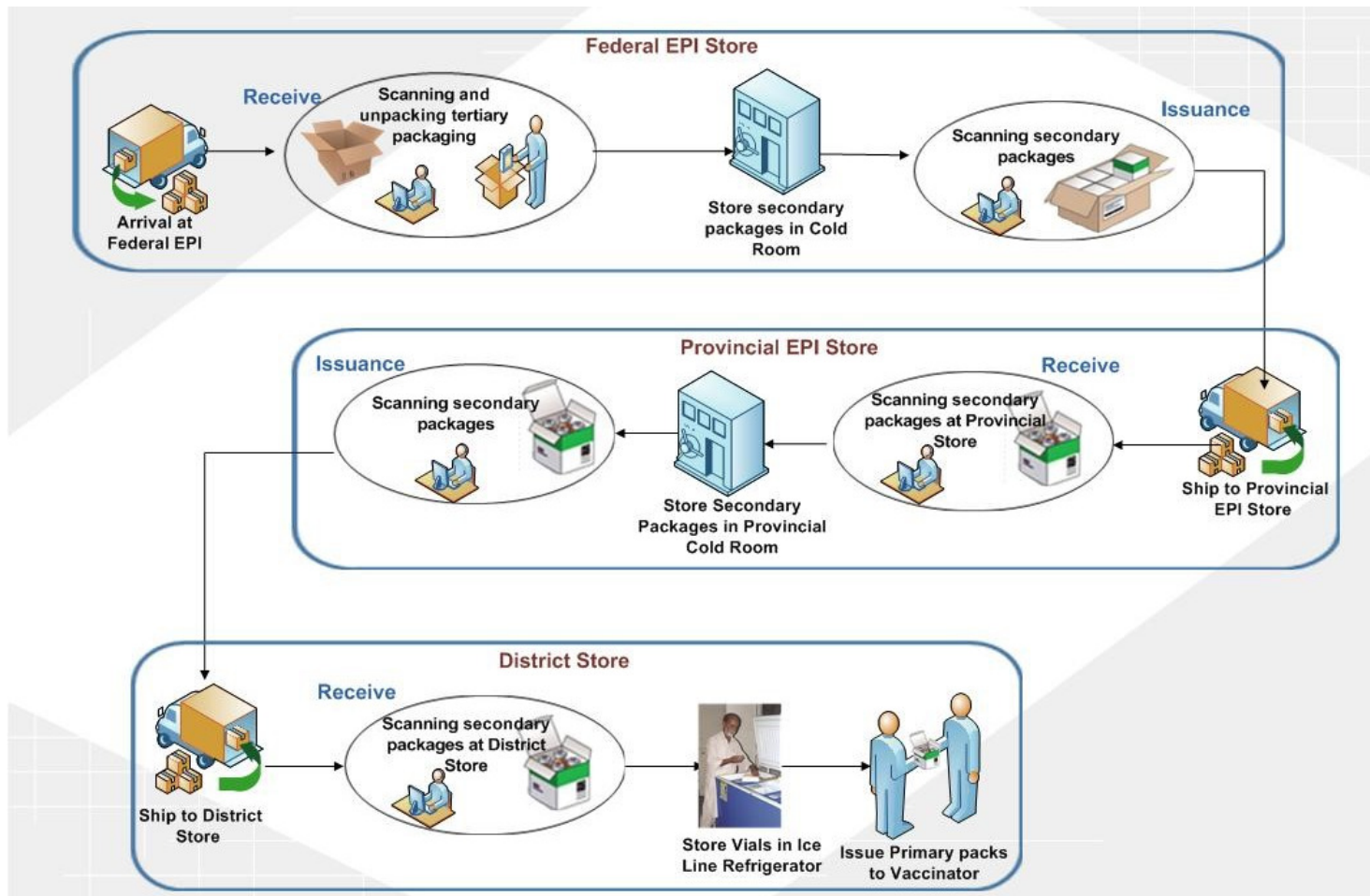
Likewise, in the same year, many patient died due to Tyno Syrup





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Tracking up to dispensation level will make the difference





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PAKISTAN DRUG REGULATORY AUTHORITY INITIATIVE



Our vision to ensure that the products marketed in Pakistan meet the standards of Quality, Safety and Efficacy

Aligning Global Standards

Legislation

- Manufacturer, responsible entities, Exporters, or distributors would have a valid GS1 Company Prefix.
- Manufacturer will print the barcode labels as per GS1 Standards and DRAP requirements for different level of packaging.
- Manufacturers will save GS1 standards Information in their repositories in absence of DRAP central GS1 information database before the drug release in the market.
- The export products will follow exporting country rule



Summary of Recommendations and Way Forward

- Pharmaceutical industry comply to GS 1
- Countries demand GS 1 complaint products
- Local preparedness and institutional capacity building
- Legislation enactment and enforcement
- Centralized database to effectively monitor
- Financing of pharmaceutical bar code system



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Thanks

For more information

www.nhsrc.gov.pk

www.epi.gov.pk

www.dra.gov.pk

www.deliver.jsi.com