

‘Workforce excellence is essential for sustainable health supply chains’

PEOPLE  
that  
DELIVER

# Building Workforce Capacity to Operate a Web-Based Logistics Management System (LMIS) in Pakistan

Dr. Muhammad Tariq, Country Director  
USAID | DELIVER PROJECT

October 2014

Financial sponsors:



# Scope

PEOPLE  
that  
DELIVER

Nearly \$200 million in supply chain management technical and financial support from USAID also included—

- designing, developing, and deploying a web-based LMIS to cater the needs of EPI/PEI and FP programs
- training public sector staff in the use of the LMIS
- IT hardware support at all levels of reporting—federal, provincial, district, and union councils.

# A Model for the Global Community

PEOPLE  
that  
DELIVER

Pakistan placed high emphasis on its major public health supply chains to improve performance

**LMIS**  
Pakistan Logistics Management Information System

## PAKISTAN LOGISTICS MANAGEMENT INFORMATION SYSTEM

The LMIS is a Government of Pakistan's web-based health commodity information system catering the logistics management of health products for both population and health sectors ..

■ □ □

### 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](#)

### 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](#)

### TUBERCULOSIS

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

The Government of Pakistan (NTP/PTP/MNHSRC) 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](#)

# Guiding Principles

PEOPLE  
that  
PEOPLE  
DELIVER

## 1. Supporting the Individual

Trained 100 master trainers and  
2,000 LMIS users

## 2. Supporting Groups, Organizations, and Communities

EPI Program, DoH, LHW, PPHI & PWD

## 3. Changing Practices and Policies

Affected storage and distribution policies and  
developed training manuals, user manuals,  
warehousing manuals, etc.

# Sustainable Capacity Building of the Workforce

PEOPLE  
that  
DELIVER

1. Introduced Master Trainers (MT) approach for rollout trainings.
2. Developed MT selection criteria.
3. Collected 5–10 nominations of qualified MTs from the provincial governments of each province and region.
4. Trained 100 MTs from all of Pakistan's four provinces and three regions.



Advisor to CM Punjab addresses the participants in TOT on vLMIS

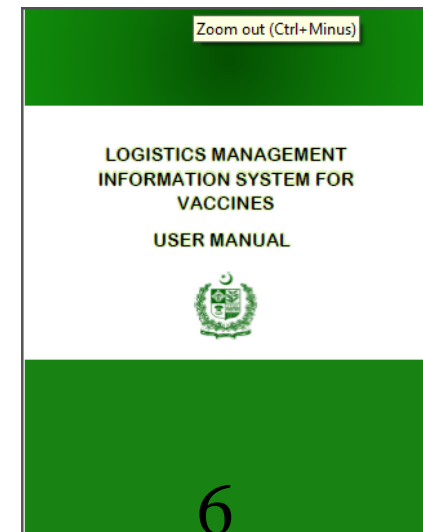
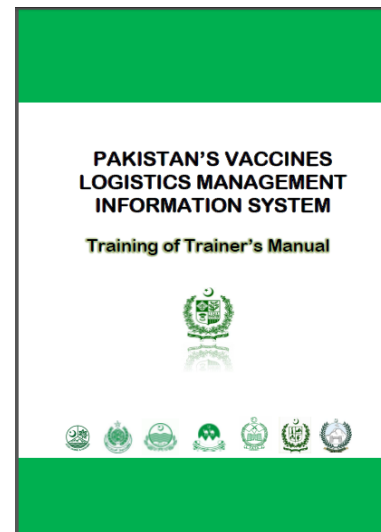
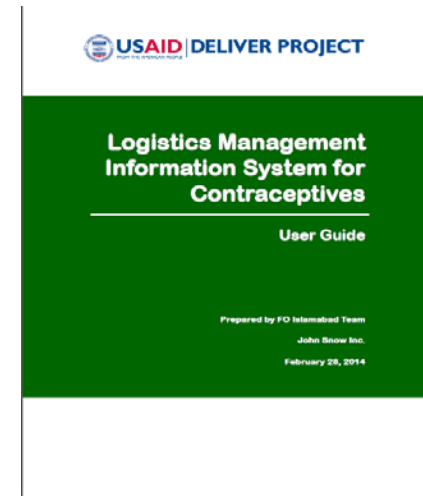
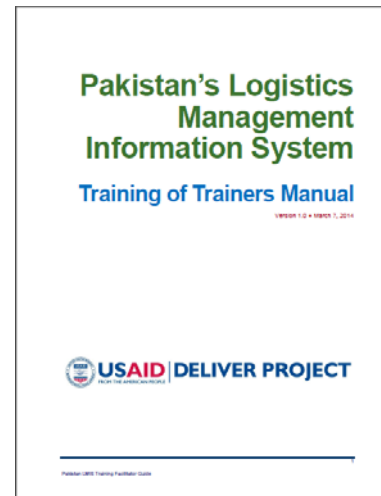


An MT provides training to GOP LMIS users

# Sustainable Capacity Building of the Workforce [cont'd]

PEOPLE  
that  
DELIVER

5. Developed and provided participants with TOT guidelines for facilitators, a user's manual, training manuals, training CDs, practical exercises, charts, and job aids.
6. MTs conducted training for over 2000 LMIS users in various health and population welfare departments.
7. Sustainable monitoring and follow-up on LMIS implementation continues and is ongoing, with the support of provincial logistics managers, MTs, and other government counterparts.



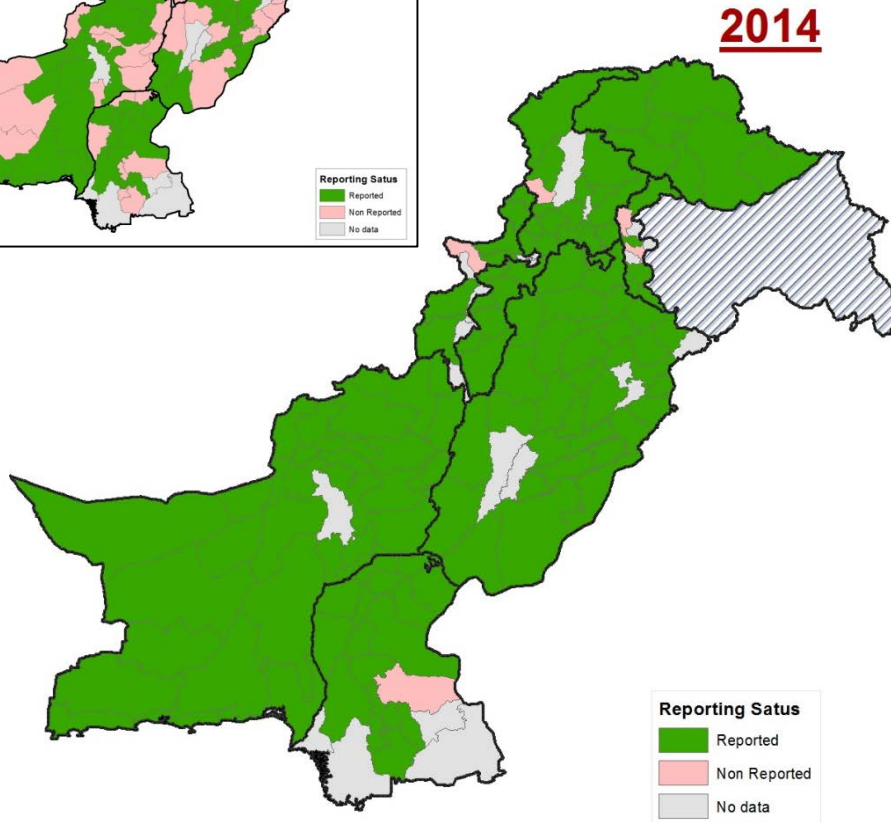
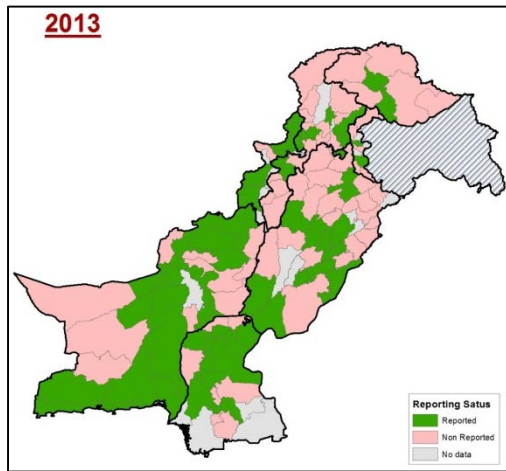
# Streams and Cost of Workforce Capacity Building



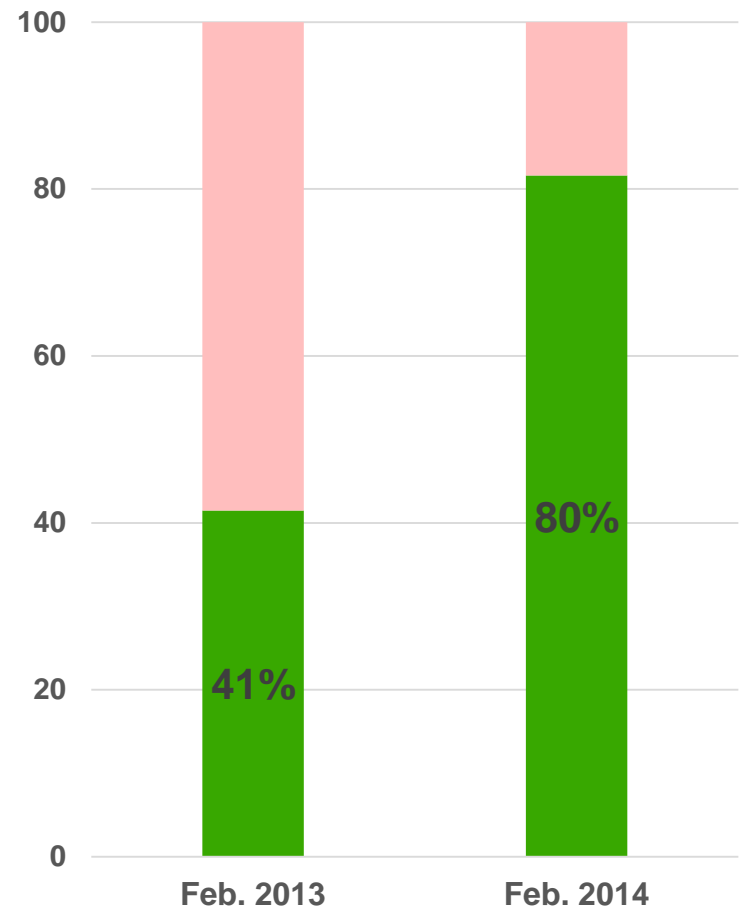
Module	Types	Participant	No.	Cost (\$)
vLMIS	Training of Trainers	Master Trainers	50	35,000
	WMS Trainings	Store Incharges & storekeepers	160	80,000
	Orientation Sessions	Provincial/District Managers	108	32,400
	Consumption Reporting	Data Entry Operators	835	417,500
	Orientation Sessions	Cluster Lead Incharges	452	135,600
<b>vLMIS Total</b>			<b>1,605</b>	<b>700,500</b>
cLMIS	Training of Trainers	Master Trainers	21	14,700
	District Level Trainings	Storekeepers		
		Computer operators		
		Orientation Sessions of EDOs, DHOs & DPWOs	644	322,000
<b>cLMIS Total</b>			<b>665</b>	<b>336,700</b>
TB-DMIS	Training of Trainers	Master Trainers	25	17,500
<b>TB-DMIS Total</b>			<b>25</b>	<b>17,500</b>
<b>Grand Total</b>			<b>2,295</b>	<b>1,054,700</b>

# Workforce Capacity Improved cLMIS Reporting Rate

## DOH District Level Reporting



## Overall Reporting Status

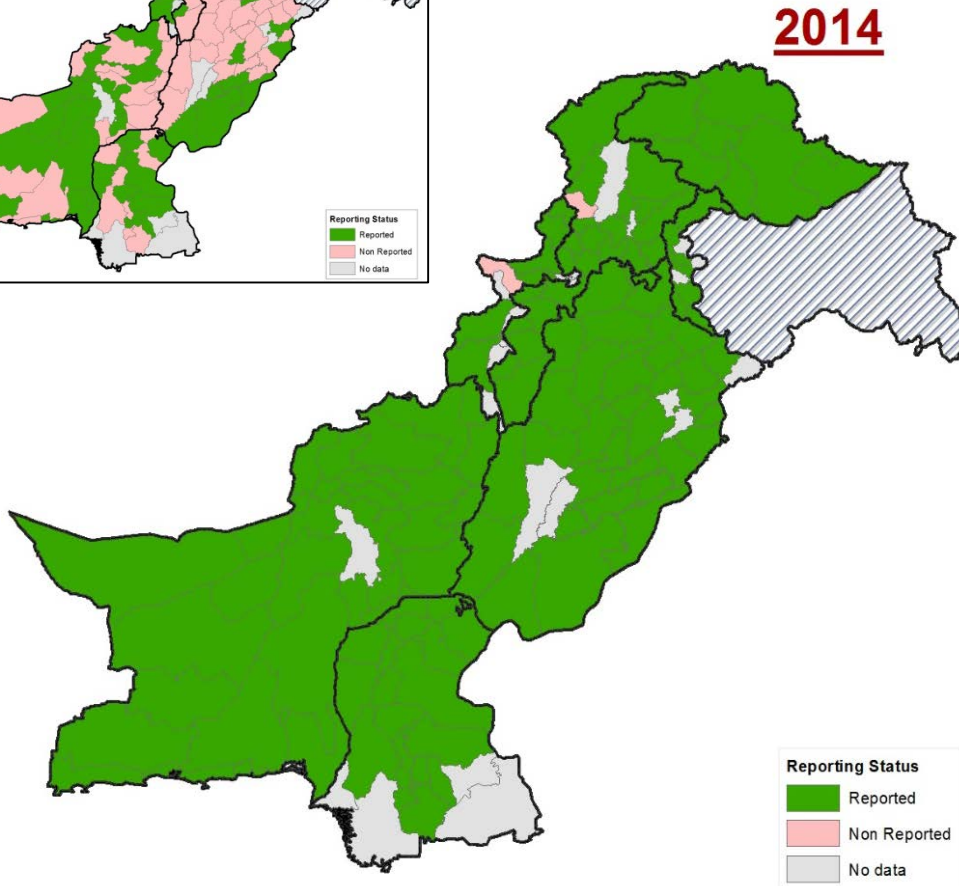
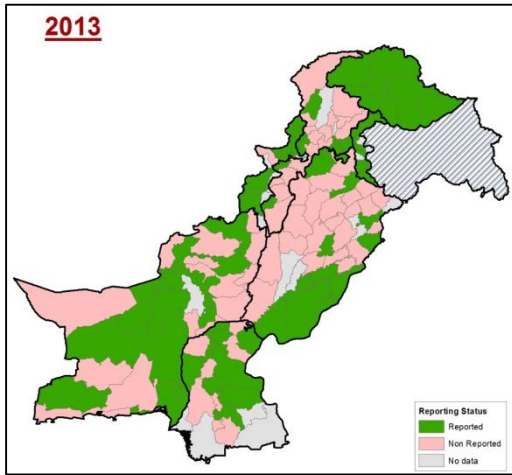




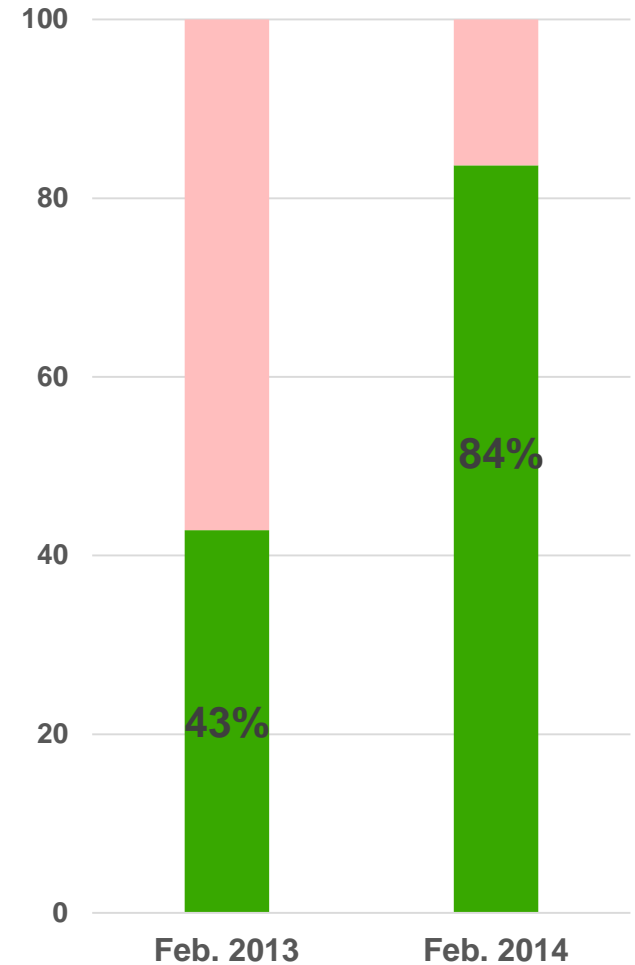
# Workforce Capacity Improved cLMIS Reporting Rate [cont'd]



## LHW District Level Reporting



## Overall Reporting Status

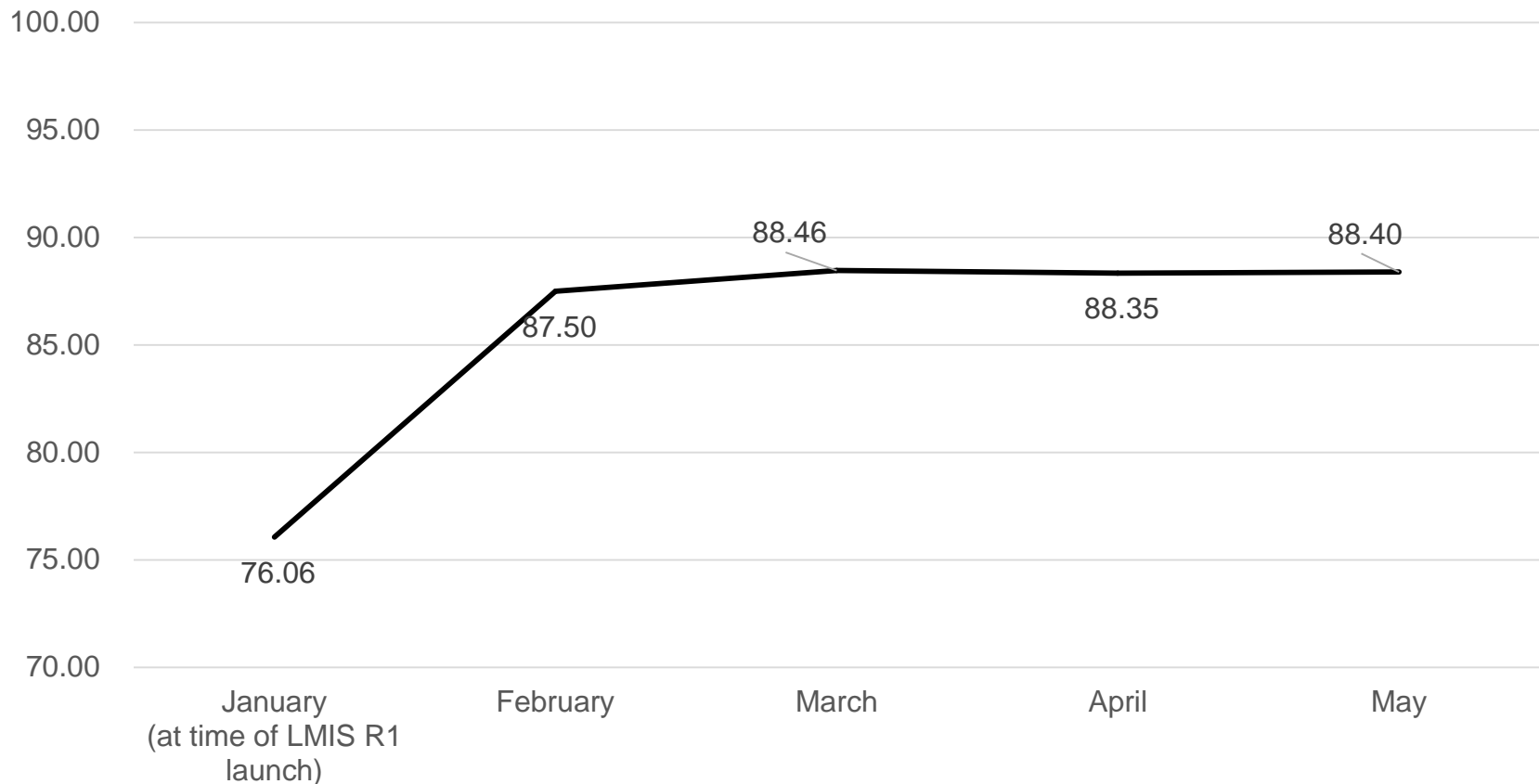


# Workforce Capacity Improved vLMIS Reporting Rate [cont'd]



## EPI Facility Level Reporting

### vLMIS Reporting Rate (%)



# Outcomes

---

PEOPLE  
that  
PEOPLE  
DELIVER

- Improved workforce knowledge
- Improved reporting rate for greater data visibility
- Enhanced health organization capacity on supply chains
- Better supply planning and distribution
- Improved functions of procurement and financing

# Conclusions

---

PEOPLE  
that  
DELIVER

## **Local public sector capacity building—**

- improves supply chain reporting rates and data quality
- is sustainable
- increases data utilization for policy, management and operations.

## **Globally—**

- the open source Pakistan LMIS can be easily adapted by other countries in the region.

# Thank You!

PEOPLE  
that  
DELIVER

For more information, please visit—

[www.lmis.gov.pk](http://www.lmis.gov.pk)

[www.deliver.jsi.com](http://www.deliver.jsi.com)



**USAID**  
FROM THE AMERICAN PEOPLE

**DELIVER PROJECT**