

# HLMIS Journey

MNCH SUPPLY CHAIN SYSTEM  
STRENGTHENING IN SINDH & PUNJAB

March 2019 to July 2020







---

# UNICEF Health LMIS Project

System Strengthening for Maternal, Neonatal,  
and Child Health Supply Chains in Sindh and  
Punjab

---

Health Logistics Management Information System (HLMIS)  
Journey

March 2019 to July 2020





# TABLE OF CONTENTS

LIST OF ACRONYMS .....	VII
ACKNOWLEDGEMENT .....	IX
EXECUTIVE SUMMARY .....	1
PROJECT SCOPE .....	5
1. INCEPTION PHASE .....	6
2. DESIGN AND PLANNING PHASE .....	7
2.1. Preliminary Meetings.....	7
2.2. Consultative Meetings.....	8
2.3. Miscellaneous .....	8
3. DESIGN AND CONCEPTION OF HLMIS AND MNCH VEML FORECAST.....	9
3.1. Preliminary Progress Updates .....	9
3.2. HLMIS Development & Piloting in Punjab and Sindh.....	10
3.3. Five Year MNCH VEML Forecast in Sindh .....	11
4. FINALIZATION OF HLMIS .....	12
5. IT HARDWARE AND HUMAN RESOURCES NEEDS ASSESSMENT .....	13
5.1 & 5.2: Coordinated staff and resource needs assessment in selected districts of Sindh & Punjab	13
6. HLMIS TRAININGS .....	14
Endorsement of Health Logistics Management Information System (HLMIS) .....	14
6.1: Develop Training Plan and Nomination of Master Trainers .....	14
6.2 & 6.3: Develop Training Particulars & Curriculum .....	14
6.4 & 6.5: Develop Selection Criteria and Coordinate Nomination of Master Trainers .....	15
6.6: Conduct Training of Master Trainers .....	15
6.7: Coordinate for the Nomination of District Staff for Roll-Out Trainings.....	17
6.8: Conduct Trainings at District Levels .....	17
7. HLMIS SUSTAINABILITY AND MONITORING & EVALUATION.....	19
7.1 Develop a help desk for ongoing support .....	19
7.2 Develop protocols for providing ongoing technical support for software .....	19
7.3 Develop recommendations to ensure system sustainability .....	19
7.4 Prepare field visits plan for supportive supervision activities.....	20
7.5 Conduct ongoing supportive supervision at all levels through field visits .....	20
NO COST EXTENSION .....	23
7.6 Second HLMIS Technical Working Group Meeting Sindh .....	23
7.7 Third HLMIS Technical Working Group Meeting Punjab.....	23

7.8 Virtual Training of Punjab and Sindh Master Trainers on New HLMIS Dashboards .....	24
7.9 Virtual Training of Punjab and Sindh Nominated Staff on HLMIS Help Desk.....	24
<b>WAY FORWARD .....</b>	<b>24</b>
ANNEX 1: APPROVED EXECUTION PLAN .....	25
ANNEX 2: NOTIFIED MNCH VEML FOR SINDH & PUNJAB.....	27
ANNEX 3: LIST OF STAKEHOLDERS INTERACTED .....	31
ANNEX 4: MINUTES OF MEETING WITH UNICEF – MARCH 18, 2019 .....	32
ANNEX 5: MINUTES OF MEETING WITH UNICEF & MONHSR&C – MARCH 21, 2019.....	33
ANNEX 6: INVITATION & AGENDA - QUARTERLY REVIEW MEETING - TWG ON CHILD SURVIVAL ....	34
ANNEX 7: INVITATION & AGENDA – NATIONAL RMNACH MEETING .....	37
ANNEX 8: MINUTES OF MEETING OF KICK OFF MEETING .....	38
ANNEX 9: INVITATION & AGENDA OF QRM FOR TWG ON CHILD SURVIVAL .....	41
ANNEX 10: EXCEL TOOL FOR MNCH VEML MAPPING FOR SINDH & PUNJAB .....	43
ANNEX 11: AGENDAS – ORIENTATIONS OF PROJECT STAFF .....	47
ANNEX 12: DOH LETTER TO CEOS FOR UNICEF HLMIS PROJECT .....	49
ANNEX 13: LIST OF FACILITIES TO BE VISITED IN PUNJAB & SINDH .....	50
ANNEX 14: MEETING AGENDA, FINALIZED DATA COLLECTION TOOLS & QUESTIONNAIRES & LIST OF FACILITIES VISITED IN PUNJAB & SINDH .....	53
ANNEX 15: LETTERS FROM THE GOVERNMENT FOR PROJECT STAFF PLACEMENT WITHIN GOVERNMENT OFFICES .....	63
ANNEX 16: FACILITIES VISITED AND LETTERS ISSUED BY THE GOVERNMENT .....	77
ANNEX 17: LIST OF STAKEHOLDERS INTERACTED.....	86
ANNEX 18: FINDINGS OF FIELD VISITS.....	96
ANNEX 19: MEETING CORRESPONDENCE AND MINUTES – DISSEMINATION OF INCEPTION REPORT STRENGTHENING MATERNAL, NEONATAL, AND CHILD HEALTH (MNCH) SUPPLY CHAIN IN SINDH & PUNJAB.....	98
ANNEX 20: MEETING CORRESPONDENCE AND MINUTES OF MNCH LMIS DESIGN PUNJAB .....	102
ANNEX 21: MEETING CORRESPONDENCE AND MINUTES - MNCH LMIS DESIGN SINDH.....	111
ANNEX 22: MEETING CORRESPONDENCE AND MINUTES OF MNCH VEML REVISION AND FORECAST .....	120
ANNEX 23: REQUEST LETTER TO DHO ICT BY THE PROJECT AND THEIR RESPONSE.....	138
ANNEX 24: MEETING AGENDA AND MINUTES – PROJECT PROGRESS UPDATE .....	142
ANNEX 25: LIST OF STAKEHOLDERS INTERACTED.....	145
ANNEX 26: NOTIFIED TWG ON HLMIS IN SINDH.....	146
ANNEX 27: NOTIFIED TWG ON HLMIS IN PUNJAB.....	148

ANNEX 28: NOTIFIED DISTRICT TWG IN PUNJAB .....	150
ANNEX 29: MINUTES OF THE MEETING OF IT STAKEHOLDERS/PARTNERS OF SINDH ON HLMIS INTERFACING.....	161
ANNEX 30: MINUTES OF THE FIRST MEETING OF HLMIS TWG IN PUNJAB .....	166
ANNEX 31: APPROVED NOTE TO THE SECRETARY ON DEPLOYMENT OF SOURCE-CODE OF LMIS AT HISDU DATA CENTER.....	170
ANNEX-32: MEETING MINUTES – CONSULTATION ON FINALIZATION OF MNCH VEML FIVE-YEAR FORECAST FOR SINDH.....	173
ANNEX-33: ENDORSEMENT OF MNCH VEML FORECAST AND HANDING OVER OF PRINTED COPIES	178
ANNEX-34: MINUTES - MEETING WITH DEPUTY COUNTRY REPRESENTATIVE .....	180
ANNEX-35: FIRST HLMIS TWG MEETING IN SINDH .....	181
ANNEX-36: SECOND HLMIS TWG MEETING IN PUNJAB.....	186
ANNEX-37: NEED ASSESSMENT TOOLS AND VISIT SCHEDULE SINDH AND PUNJAB.....	190
ANNEX-38: PUNJAB DATA COLLECTION TOOLS .....	195
ANNEX-39: SINDH DATA COLLECTION TOOLS .....	197
ANNEX-40: ENDORSEMENT OF THE HLMIS SYSTEM .....	199
ANNEX-41: SELECTION CRITERIA FOR MASTER TRAINERS .....	201
ANNEX-42: NOMINATIONS FOR MASTER TRAINERS .....	202
ANNEX-43: LIST OF MASTER TRAINERS.....	215
ANNEX-44: AGENDA OF TOT .....	216
ANNEX-45: PARTICIPANT REGISTRATION FORM.....	219
ANNEX-46: PRE- AND /POST-TRAINING ASSESSMENT FOR TOT .....	220
ANNEX-47: PRE- AND POST- TRAINING ASSESSMENT TEST RESULTS FOR TOT .....	224
ANNEX-48: TRAINING EVALUATION FORM .....	225
ANNEX-49: SELECTION CRITERIA FOR DISTRICT STAFF FOR ROT .....	226
ANNEX-50: SELECTION CRITERIA FOR DISTRICT STAFF FOR ROT .....	227
ANNEX-51: NOMINATIONS OF DISTRICT STAFF FOR ROT .....	228
ANNEX-52: AGENDA TRAINING SESSIONS ROT .....	262
ANNEX-53: LIST OF ROT PARTICIPANTS.....	270
ANNEX-54: PRE- AND POST-TRAINING ASSESSMENT FOR ROLL-OUT USER TRAININGS .....	273
ANNEX-55: INDIVIDUAL PRE- AND POST-ROLL-OUT USER TRAINING ASSESSMENT RESULTS.....	276
ANNEX-56: PRE- AND POST-TRAINING ASSESSMENT QUESTION BY QUESTION ANALYSIS .....	280
ANNEX-57: ROT TRAINING EVALUATION FEEDBACK .....	281
ANNEX-58: HLMIS M&E FRAMEWORK.....	283



ANNEX-59: CORRESPONDENCE SUPPORTIVE SUPERVISION ACTIVITIES SINDH AND PUNJAB.....	287
ANNEX-60: MONITORING CHECKLIST – DISTRICT STORES .....	291
ANNEX-61: FIELD VISIT DETAILED SCORING SHEET – SINDH .....	297
ANNEX-62: MONITORING TEAM DETAILS – SINDH .....	301
ANNEX-63: RECORD OF SINDH GOVERNMENT OFFICIALS INTERACTED .....	302
ANNEX-64: FIELD VISIT DETAILED SCORING SHEET – PUNJAB .....	305
ANNEX-65: MONITORING TEAM DETAILS – PUNJAB .....	308
ANNEX-66: LIST OF PUNJAB GOVERNMENT OFFICIALS INTERACTED.....	309
ANNEX-67: LETTER SECOND TWG SINDH MEETING.....	310
ANNEX-68: MEETING MINUTES- SECOND HLMIS TWG MEETING IN SINDH .....	311
ANNEX-69: MEETING MINUTES- THIRD HLMIS TWG MEETING IN PUNJAB.....	322
ANNEX-70: DGHS SINDH NOMINATION LETTER FOR REFRESHER AND NEW DASHBOARDS.....	324
ANNEX-71: NOMINATIONS FOR HLMIS HELP DESK VIRTUAL TRAINING .....	328

## LIST OF ACRONYMS

ANC	Antenatal Care
API	Application Program Interface
BHU	Basic Health Unit
BMGF	Bill & Melinda Gates Foundation
CEO	Chief Executive Officer
cLMIS	Contraceptives Logistic Management Information System
CSV	Comma Separated Value
DHIS	District Health Information System
DHMIS	District Health Management Information System
DHO	District Health Officer
DHQ	District Headquarter Hospital
DDHO	Deputy District Health Officer
DOH	Department of Health
EMA	European Medicines Agency
EML	Essential Medicines List
EMR	Electronic Medical Reporting
ERP	Enterprise Resource Planning
EPI	Expanded Program on Immunization
eLMIS	Electronic Logistics Management Information System
FATA	Federally Administered Tribal Areas
FP	Family Planning
FP&PHS	Family Planning and Primary Healthcare Services
GAPPD	Global Action Plan for Pneumonia & Diarrhea
GD	Government Dispensaries
GRD	Government Rural Dispensaries
HANDS	Health and Nutrition Development Society
HF	Health Facility
HIMS	Health Information Management system
HISDU	Health Information Service Delivery Unit
HIS	Integrated Health Services
IM	Inventory Management
IMNCI	Integrated Management of Neonatal and Childhood Illness
IMR	Infant Mortality Rate
IRMNCH&NP	Integrated Reproductive Maternal Newborn Child Health & Nutrition Program
IT	Information technology
IHS	Integrated Health Services
KP	Khyber Pakhtunkhwa
LHW	Lady Health Worker
LHW MIS	Lady Health Worker, Management Information System
LMIS	Logistic Management Information system
LMU	Logistics Management Unit
MCH	Maternal & Child Health
MCHC	Maternal & Child Healthcare Centers

MEAs	Monitoring & Evaluation Assistants
MERF	Medical Emergency Resilience Foundation
MIMS	Medicine Management Information System
MNCH	Maternal, Neonatal and Child Health
MNCH LMIS	Maternal, Newborn and Child Health, Logistics Management Information System
MNCH VEML	Maternal, Newborn and Child Health, Very Essential Medicines List
MO	Medical Officer
MoIT	Ministry of Information Technology
MoNHSR&C	Ministry of National Health Services, Regulations & Coordination
MTs	Master Trainers
M&L	Medicine and Logistics
NMDs	Newly Merged Districts
NMR	Neonatal Mortality Rate
NTC	National Telecommunication Cooperation
OTP	Outpatient Therapeutic Program
PHFMC	Punjab Health Facility Management Company
PITB	Punjab Information Technology Board
PPHI	People's Primary Healthcare Initiative
PPP	Public Private Partnership
RoT	Roll-out user trainings
RMNACH	Reproductive, Maternal, Newborn & Adolescent Child Health
SC	Stabilization Centers
SDG	Sustainable Development Goal
TA	Technical Assistance
TB	Tuberculosis
TOR	Terms of References
ToT	Training of Trainers
THQ	Tehsil Head Quarters
TWG	Technical Working Group
UHC	Universal Health Coverage
UNICEF	United Nations Children's Fund
UNFPA	United Nations Population Fund
USAID	United States Agency for International Development
VEM	Very Essential Medicines
VEML	Very Essential Medicine List
vLMIS	Vaccines Logistic Management Information System
WHO	World Health Organization
WMO	Women Medical Officers
WMS	Warehouse Management System



## ACKNOWLEDGEMENT

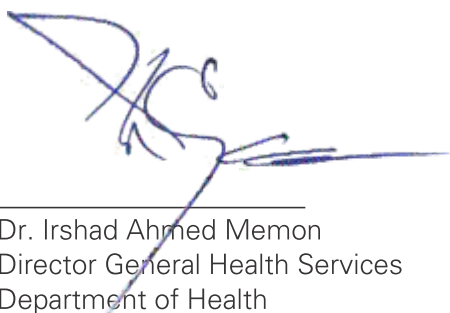
With the technical support of the UNICEF Health LMIS Assessment (HLMIS) Project, implemented by the Chemonics International Inc, the Health Logistics Management Information System (HLMIS) has been developed and implemented in all districts of Sindh and five focused districts of Punjab including Muzaffargarh, Pakpattan, Bahawalnagar, Dera Ghazi Khan and Rahimyar Khan.

To optimize supply chain systems and logistics of the existing provincial and district health systems, our priority has been to ensure greater realization and availability of maternal and child health related products in the health facilities. The HLMIS has brought in a coordinated and multi-level data visibility of product information and logistics data from district stores and health facilities of Punjab and Sindh public and NGO sectors. The technology solution has improved MNCH supply chain functions in both provinces, thus availability of these products is playing a key role in averting maternal and child morbidity and mortality. While focusing GAPPD, the HLMIS which is part of USAID supported Pakistan LMIS ([www.lmis.gov.pk](http://www.lmis.gov.pk)) that provides a national platform to enable integrated reporting of the health system inventories successfully hosted and secured by the Ministry of IT (MoIT) and National Telecommunication Corporation (NTC) under an Memorandum of Understanding with the Ministry of National Health Services, Regulations and Coordination (MoNHSR&C).

This report covers the entire canvas of the HLMIS journey entailing; inception phase, designing, development and implementation of HLMIS, and finalization of MNCH Very Essential Medicines forecasts (2019-23) for Sindh and Punjab provinces.

I would like to recognize Dr. Muhammad Tariq, Country Director, Chemonics International Pakistan, for his leadership role and his dedicated team including Dr. Tanweer Hussain, Provincial Lead Sindh, Mr. Nabeel Ahmad Maqbool, Director VPID; Mr. Ijaz Haider Malik, Director MIS; and Ms. Ambreen Khan, Director, BHS for their devoted efforts for the formulation of this report.

Finally, I would like to express my gratitude to Dr. Andrey Tulisov, Health Specialist, UNICEF and his national and provincial teams including Dr. Ayaz Hussain Soomro, Health Specialist, Sindh; Dr. Syed Kamal Asghar, Health Specialist, Sindh and Dr. Rana Mushtaq, Health Specialist, Punjab for their valuable support and guidance.



Dr. Irshad Ahmed Memon  
Director General Health Services  
Department of Health  
Government of Sindh



Dr. Muhammad Haroon Jahangir Khan  
Director General Health Services  
Department of Health  
Government of Punjab



## EXECUTIVE SUMMARY

Maternal, neonatal and child health (MNCH) care statistics in Pakistan are some of the poorest in South Asia. The most recent estimated Maternal Mortality Ratio (MMR), is close to 178 deaths per 100,000 live births<sup>1</sup>, one of the highest rates in the world. Amongst the many factors contributing to maternal mortality is the inadequate use of health services. Only 55% of pregnant women deliver their children at health facilities, and skilled attendance at birth remains low at only 52%. Most maternal deaths at the time of delivery are attributed to postpartum hemorrhage, eclampsia and other indirect obstetric causes. Along with the lack of adequate services, unavailability of life saving products is another predominant influencer of Pakistan's high maternal deaths.

Given this context, UNICEF awarded a one-year contract to Chemonics International Inc. with funding from the Bill and Melinda Gates Foundation (BMGF) to develop an integrated logistics management information system (LMIS) to foster greater visibility and subsequently improve the availability of Maternal, Newborn, and Child Health (MNCH) Very Essential Medicines (VEMs) in Sindh and Punjab.

The focus of the contract was primarily to improve data visibility and subsequent availability of MNCH commodities that treat pneumonia and diarrhea, and to build provincial- and district-level staff capacity to use the newly established system. The Project's system strengthening technical assistance (TA) was fully aligned with the goals and targets of the Government of Pakistan as envisaged in the National Health Vision 2025, the Universal Health Coverage (UHC) agenda, Sustainable Development Goal 3 (SDG-3), provincial MNCH strategies, and the Planning Commission Documents (PC-1s) of Pakistan.

The Health – Logistics Management Information System (HLMIS) Assessment Project began technical implementation in May 2019. The **inception phase** entailed onboarding and deployment of project staff and a series of multi-stakeholder meetings primarily with UNICEF Country Office and provincial health departments. A detailed action/execution plan with definite timelines, research frameworks, and detailed data collection tools, along with the proposed models for MNCH VEML forecast in Sindh and MNCH LMIS models in Sindh and Punjab, were concretized.

The **design and planning phase** of the Project (July-August 2019), through extensive engagement of Government, public and private sector stakeholders and development partners, built consensus on indicators for inclusion in the HLMIS and forecasting of MNCH-VEML in Sindh, and also initiated integration plans with cLMIS and vLMIS ([www.lmis.gov.pk](http://www.lmis.gov.pk)) and other systems in both provinces. The project team conducted field visits to 110 health facilities in both the Sindh and Punjab provinces and interacted with approximately 336 officials in both the provinces during this stage, to ensure that plans were applicable to the respective geographies and public health structures.

Following approval of HLMIS designs, the project team finalized development of the HLMIS platform in September-October 2019. The Project discussed the detailed technical interfacing modalities extensively

---

<sup>1</sup> MMR <https://knoema.com/atlas/Pakistan/Maternal-mortality-ratio>



with the Departments of Health (DOH) Punjab and Sindh, public and private sector stakeholders, and international development implementing partners to ensure a robust software design. The HLMIS beta version was developed and piloted in ten facilities across Punjab and Sindh (five in each province).

During the **finalization phase of HLMIS**, (November 1- 29, 2019) the Project made significant progress on finalization of the HLMIS system development, based on the pilot testing result in previous months. In light of user feedback collected during pilot testing, iterations were made to the HLMIS system to improve its functionality. Further, Technical Working Group (TWG) meetings on the HLMIS were convened in both Punjab and Sindh provinces, aimed at overseeing progress toward interfacing of vertical information systems with HLMIS and to provide a forum for demonstration of the final HLMIS system to stakeholders including the Health Department, Sindh, private sector stakeholders, UNICEF, and WHO. Five-year MNCH VEML forecast (2019-23) for the Government of Sindh was finalized and printed copies were shared with the department. The project also supported Government of Punjab in revision of MNCH VEML forecasting (2019-23). Both the reports can be accessed through LMIS (<http://mnch.lmis.gov.pk/manuals.php>)

The project conducted a detailed **IT equipment and human resources needs assessment** (December 1-31, 2019) in the selected districts and facilities of Sindh and Punjab, so that the comprehensive needs of the provinces could be understood before implementing any new tools. Results of the assessment were compiled and used to develop a costed implementation plan. During this process, the HLMIS was endorsed by both the provincial governments and Honorable Special Advisor to Prime Minister (SAPM) on Health, National Health Services, Regulations and Coordination (MoNHSR&C) and his delegates in a ceremony held on January 17, 2020.

During the **HLMIS implementation phase**, (January-March 2020), trainings of master trainers (MTs) and district level staff (intended system users) were held. Selection criteria for MTs was developed to ensure that the nominees would be able to successfully and sustainably carry forward training and uptake of the HLMIS system in the districts beyond the project's support. A Training of Trainers (ToT) was organized in Islamabad with 16 MTs selected for participation from both provinces, Punjab and Sindh. Rollout user trainings of district staff were co-facilitated by the MTs and Chemonics staff, with a total of 92 district staff completing hands on training on the inventory management and stock consumption modules of HLMIS. Participants were also oriented to the auto-generated dashboards and the use of data for informed decision-making and efficient inventory management.

Subsequent to the HLMIS implementation, the Project developed field monitoring visit plans in consultation with the provincial governments and conducted **joint field monitoring visits** to five focused districts (DG Khan, Muzaffargarh, Pakpattan, Bahawalnagar and Rahim Yar Khan) of Punjab and all districts of Sindh. The field visits were aimed at monitoring the real time implementation of HLMIS, data quality assessment to gauge the availability of MNCH products in the districts and assessing the gaps in current system. The field teams also provided continued supportive supervision to the provinces for sustainable implementation and handing over.

Consensus on the new analytics was made by both the Sindh and Punjab governments during virtual technical working group meetings, held in June 2020. As a follow-up, project oriented nominated Master Trainers from Sindh on new dashboards/reports, who would further extend, HLMIS implementation at the Taluka Headquarter (THQs), Civil Hospitals and District Headquarter (DHQs) of all districts in the province. In Punjab, an understanding with Health Information and Service Delivery

Unit (HISDU) was developed whereby the source code, database, and web services of HLMIS were shared with them, so that it can be interfaced with Medicine Inventory Management System (MIMS), hosted at the servers of Punjab Information Technology Board (PITB). The virtual refresher training was provided to Punjab Master Trainers as a follow-up of June 2020 technical working group meeting.

As part of **HLMIS sustainability and MEL phase** of the approved execution plan, a help desk was established, where any queries pertaining to the HLMIS software can be raised and addressed. When end user sends email to [support@lmis.gov.pk](mailto:support@lmis.gov.pk), a ticket is automatically created and a confirmation email is sent back to the end user with a unique service request number. A help desk directory was established in the system and for sustainable capacity transfer, the nominated staff from the Sindh and Punjab were trained on the functionality. The project also developed the HLMIS (Monitoring Evaluation and Learning (MEL) framework to guide continuous monitoring and improvement of the system beyond project closeout and shared with both the provinces.

The end to end visibility of MNCH essential medicines through HLMIS empowers the policy and program tiers to make evidence-based decisions. Both governments are committed to continuing implementation in true spirit and taking forward the support of UNICEF, BMGF, and Chemonics International Inc.



## PROJECT SCOPE

Aligned with UNICEF's institutional priorities, the Project's ultimate objective was to contribute towards the supply and monitoring of MNCH VEML medicines/commodities with a focus on pneumonia and diarrhea. This was intended to be achieved by forecasting MNCH VEML products on a scientific basis and introducing a web-based software to enable the complete tracking of the supply chain flow, including procurement, forecasting, storage, and usage of medicines throughout public sector service provision outlets. The approved execution plan that was followed can be found in

[Annex -1](#). Figure - 1 above illustrates the geographic focus of the project: all districts of Sindh, five districts of Punjab, and Islamabad Capital Territory. Figure-2 gives a snapshot of the project deliverables.

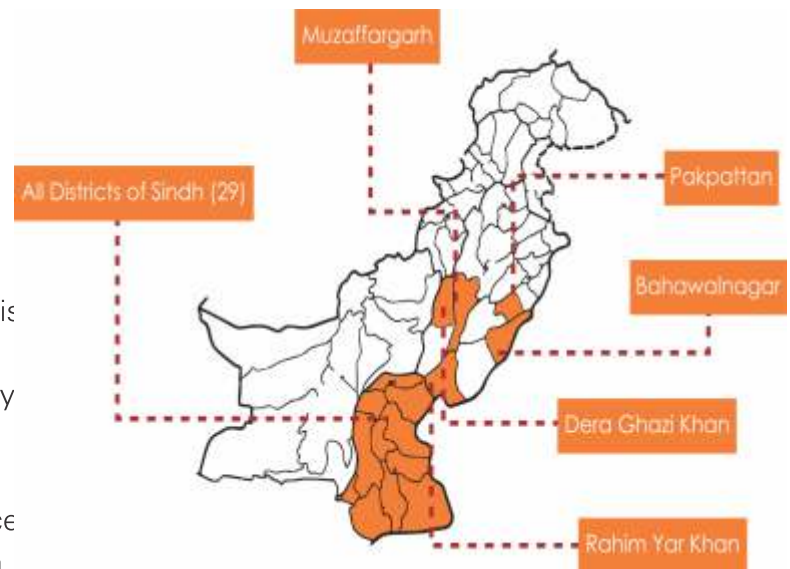


Figure 1: Geographic focus



Figure 2: Project Deliverables

# 1. INCEPTION PHASE

The project had introductory meetings with the stakeholders, introducing them to the Project and aimed primarily to gain an insight into broader supply chain landscape around VEMs in both provinces (Annex -2: Notified MNCH VEM for Sindh & Punjab).

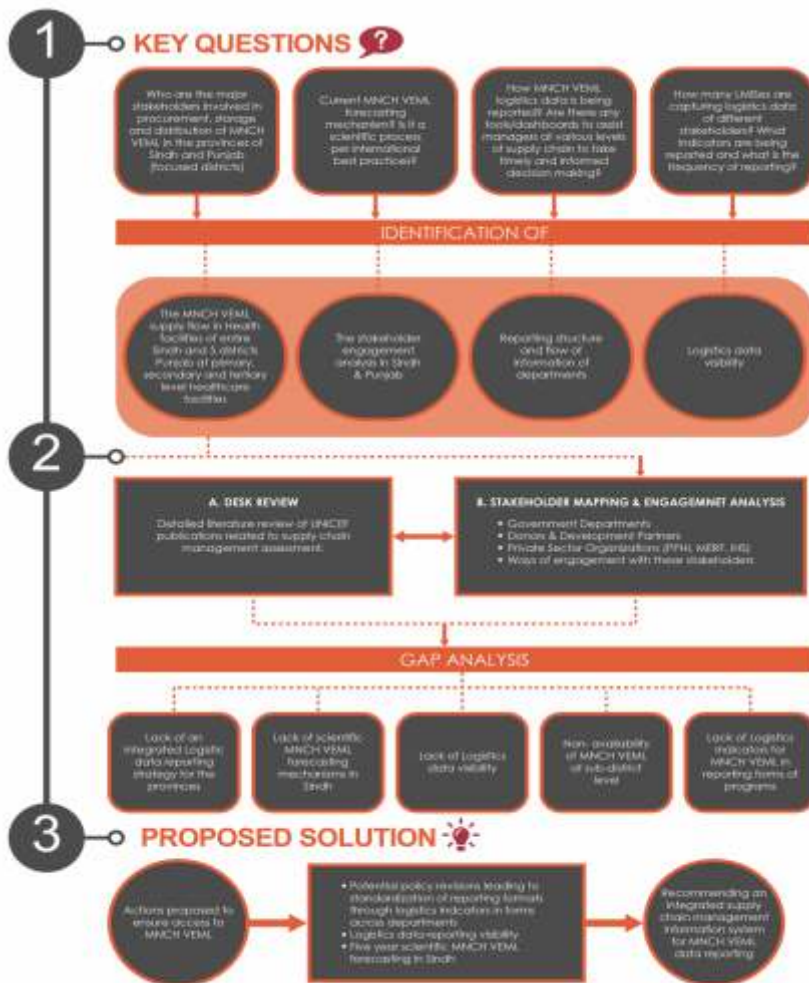


Figure 3: Research Framework

Health (RMNACH), quarterly meetings of TWG on Child Survival in Punjab, as well as Kick off meeting with UNICEF representative and stakeholders from both Sindh and Punjab. (Annex: 3-13). The project aligned the implementation strategy as per the activities mentioned in the GANTT Chart (Annex 1: Project Execution Plan). A finalized research framework is depicted in Figure 3.

Following the signing of the contract between UNICEF and Chemonics International Inc. on March 04, 2019, the Project team had a preparatory meeting on **March 18, 2019** with the UNICEF Country team and provincial UNICEF representatives from Punjab & Sindh to seek guidance and advice on the technical and operational matters, implementation strategies, and a broad work plan. A follow-up meeting of UNICEF team was held with the MoNHSR&C on **March 21, 2019**. Discussions focused on establishing an effective Logistic Management Information System (LMIS), and its linkages with existing District Health Information System (DHIS). Other meetings included a Technical Working Group (TWG) meeting with the National Reproductive, Maternal, Newborn & Adolescent Child



## 2. DESIGN AND PLANNING PHASE

The design and planning phase started on July 1, 2019 and covered all activities pertinent to the consultative meetings on the MNCH LMIS in both provinces, the MNCH VEML forecast in Sindh, and resulted in refining and subsequent approval of proposed models.

### 2.1. Preliminary Meetings

#### 2.1.1. Meeting of Project team on MNCH VEML tools and questionnaire

This phase started with the meeting and orientation of the Project team on MNCH VEML tools and questionnaires for data collection in field visits on July 5, 2019 at the Islamabad Project office. During this meeting, staff members reviewed the details of the execution plan and finalized the data collection tools & questionnaires ([Annex 14: Meeting agenda & finalized data collection tools, questionnaires & list of facilities visited in Punjab & Sindh](#))

#### 2.1.2. Space Allocation for Project Staff

The health departments of Punjab and Sindh provinces issued formal notifications to district managers for Project District Staff to be placed within provincial government offices. All provincial- and district-based staff outside of Islamabad in both provinces were allocated office spaces by district health authorities and managers to co-locate with provincial and district health departments offices ([Annex 15: Letters from the Government for Project Staff placement within Government offices](#)).

#### 2.1.3. Field Visits for Data Collection

The Project's eleven (11) supply chain officers conducted an in-depth inventory assessment of all electronic and paper-based reporting systems implemented at the provincial and district levels that were capturing MNCH-VEML data. During this time, Project district staff validated stakeholder data related to MNCH VEML to wholly track and trace the supply chain processes, commodity flows, and their logistics data visibility in different MIS systems of Sindh and Punjab

There were 110 health facilities visited in Punjab and Sindh which varied in service care delivery levels. Ten facilities in each of the six districts were visited in Sindh, whereas ten facilities in each of the five focused districts were visited in Punjab. These field visits were conducted from July 9-23, 2019 ([Annex 16: Facilities visited and Letters issued by the Government](#)). Project staff received the full support and cooperation of the provincial and district health departments for data collection.

Data was collected through key informant interviews (KII) from focal points and key informants from the various departments and focus group discussions ([Annex 17: List of stakeholders interacted](#)).

#### 2.1.4. Data Analysis and Interpretation

The data collected by project staff was consolidated, analyzed, and interpreted by applying different statistical tools used to validate the preliminary findings contained in the inception report. ([Annex 18: Findings of Field Visits](#)).

### 2.1.5. Dissemination of Inception Report

The Project, in collaboration with UNICEF, organized a meeting to disseminate initial findings and details contained within the Inception Report (Inception Phase) on July 29, 2019 at Health Services Academy (HSA), Islamabad. The meeting was well attended by relevant officials of federal and provincial health departments from all of the targeted provinces and concluded with concrete actions and way forward ([Annex 19: Meeting Correspondence and Minutes for Dissemination of Inception Report](#))

## 2.2 Consultative Meetings

### 2.2.1. Consultative Meetings with Stakeholders in Sindh and Punjab to finalize MNCH LMIS designs

The project held consultative meetings related to design finalization of MNCH LMIS Sindh & Punjab and finalization of factors contributing to MNCH VEML forecast Sindh.

Consultative meeting with the relevant stakeholders in Punjab for finalization of MNCH LMIS design was held on August 5, 2019, at the DGHS Office, Lahore ([Annex 20: Meeting Correspondence and Minutes of Consultative Meeting on MNCH LMIS Design Punjab](#)). In Sindh, the consultation on MNCH LMIS design finalization was held on August 27, 2019, at Karachi. ([Annex 21: Meeting Correspondence and Minutes - MNCH LMIS Design Sindh](#)).

### 2.2.2. Consultative Meetings with Stakeholders in Sindh to finalize methodology and indicators for MNCH VEML forecast

The Project team coordinated a consultative meeting with DOH and relevant stakeholders of Sindh on August 21, 2019 in Hyderabad to acquire baseline information related to MNCH-VEML products for forecasting. ([Annex 22: Meeting Correspondence and Minutes of MNCH VEML Revision and Forecast](#))

## 2.3 Miscellaneous

### 2.3.1. Visit of Chemonics HQ Technical Expert in Pakistan

Chemonics HQ technical expert visited Rural Health Centre (RHC), Tarlai to make observations for better support the Project ([Annex 23: Request letter to DHO ICT by the Project and Response](#)). The technical expert also visited federal Expanded Program for Immunization (EPI) and met with National Program Manager, EPI.

### 2.3.2. Review Meeting of Project Staff with UNICEF

A review meeting on Project updates and progress was held on August 28, 2019, at provincial office, IRMNCH and NP office Lahore. The participants included representatives of IRMNCH & NP, UNICEF and Chemonics International Inc. ([Annex 24: Meeting Agenda and Minutes – Project Progress Update](#))



*Figure 4: Meeting – August 28, 2019*

## 3. DESIGN AND CONCEPTION OF HLMIS AND MNCH VEML FORECAST

To design and conceive the HLMIS and MNCH VEML forecast, a series of technical coordination meetings were held to engage national and provincial stakeholders, in Sindh and Punjab, in the finalization of the HLMIS in each province, which is further detailed below. (Annex 25: List of stakeholders interacted)

### 3.1. Preliminary Progress Updates

#### 3.1.1. Notification of Technical Working Group (TWG) in Sindh and Punjab

On September 11, 2019, the Department of Health Sindh fully endorsed the TWG on HLMIS as a result of consultative meetings with the Project. The purpose of the established TWG was to oversee the development and deployment of HLMIS and to provide policy and strategic recommendations for MNCH supply chain system strengthening across the province. (Annex 26: Notified TWG on HLMIS in Sindh). On September 16, 2019, the DOH Punjab assembled a parallel TWG to that of Sindh as a result of consultative stakeholder meetings on the finalization of the HLMIS design. The TWG included technical representation from the government, programs, and international organizations. (Annex 27: Notified TWG on HLMIS in Punjab)

#### 3.1.2. Notifications of District TWG's in Punjab

To streamline the HLMIS initiatives in selected districts in Punjab, the Project team liaised with district health authorities for notifications of district-level TWG. The district TWG had a functionality similar to that of the provincial TWGs of Sindh and Punjab. These were established to review the progress of HLMIS implementation at district level, its functions, and meet on a monthly basis to address the barriers related to achievement of the Project's Terms of References (TORs) (Annex 28: Notified district HLMIS TWGs in Punjab).

#### 3.1.4. Meeting with IT stakeholders/Partners of Punjab on HLMIS Interfacing

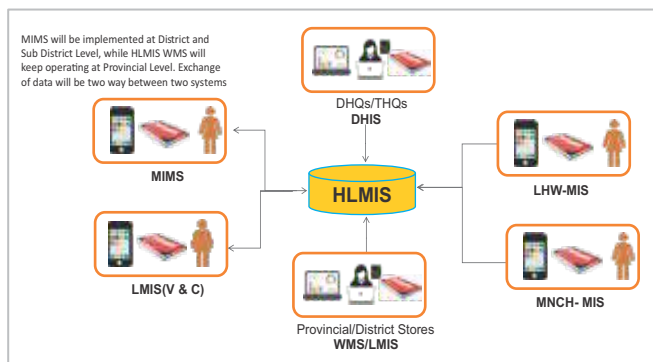


Figure 5: Approved HLMIS Design Punjab

The Medicine Inventory Management System (MIMS) developed by HISDU was implemented in all districts of Punjab and encompassed all of the medicines inventory data generated through different levels of health service delivery. Considering modalities of the approved and finalized HLMIS design, MIMS was approved as a potential system to be interfaced with HLMIS in Punjab. The approved HLMIS design for Punjab functioned such that data from Medicine Inventory Management System (MIS) developed by HISDU, MNCH -MIS, LHW-MIS, vLMIS, cLMIS, DHIS

could be compiled be pulled into the HLMIS system when needed. However, the real-time transactional reporting at provincial and district levels was done through the implementation of inventory management/warehouse management system module of HLMIS system.



### 3.1.5. Meeting with IT stakeholders/Partners of Sindh on HLMIS Interfacing

In Sindh, most health facilities were managed by Public Private Partnership (PPP) node partners. Each partner ran their own parallel reporting system in their respective facilities, thus creating a lack of consolidation and synergy between different data streams at the provincial level. Reflecting on the HLMIS design in Sindh approved as a part of the design and planning phase, the Project team held a meeting with the IT personnel of PPP node partners in Sindh on October 1, 2019. The meeting aimed to discuss interfacing modalities of HLMIS with other existing systems in Sindh and was attended by technical members of Department of Health, PPHI, IHS, MERF and HANDS. (Annex 29: Minutes of the Meeting of IT Stakeholders/Partners of Sindh on HLMIS Interfacing)

HLMIS design for Sindh was unanimously approved by the relevant stakeholders. As per the approved model, it was agreed that the existing information systems would be interfaced with the HLMIS system, fetching the already reported consumption data into the system. However, the real-time transactional reporting at provincial and district levels would be done through the inventory management/warehouse management system module of HLMIS system.

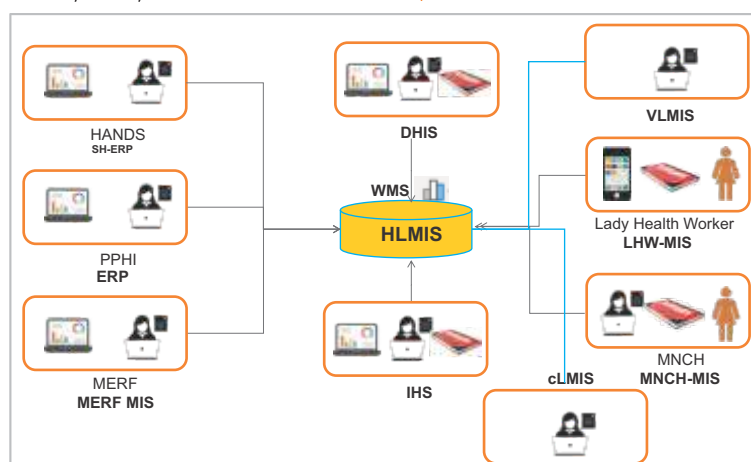


Figure 6: Approved HLMIS Design in Sindh

### 3.1.6. First Meeting of HLMIS TWG in Punjab

The Government of Punjab convened the first TWG meeting in coordination with the Project team on October 2, 2019, to discuss the assessment of both HLMIS and MIMS as previously discussed by both HISDU and the Project team. (Annex 30: Minutes of the first meeting of HLMIS TWG in Punjab)

Following concurrence on decisions and action points of the meeting, a note was moved to the Secretary of the Primary and Secondary Healthcare Department Punjab by DGHS Punjab to seek the Secretary's approval for deployment of source code/database of HLMIS at the HISDU data center, with background and justification of the proposed deployment. The report was formally approved by the Secretary on October 29, 2019 (Annex 31: Approved Note to the Secretary on deployment of source code/database of LMIS at HISDU data center)

## 3.2. HLMIS Development & Piloting in Punjab and Sindh

This section presents technical details of the processes undertaken for the development and finalization of HLMIS, as well as piloting details of HLMIS in selected facilities in Punjab and Sindh. Details and relevant outcomes are included below.

### 3.2.1. Development of Beta version of HLMIS

Based on the approved HLMIS designs in both provinces, the Project MIS team began developing user interfaces for HLMIS. This involved an analysis of the user interface requirements and subsequent design of a system to complement the user specifications. As part of these efforts, the Project MIS team developed an Application Program Interface (API), which included the complete set of rules and specifications a software program needs to facilitate interactions with different, separate systems. API development allowed different streams of data originating from different software or web-based applications to interact with each other within HLMIS. The Project team worked on developing both

modules of HLMIS: inventory management (IM) and consumption reporting. The team also developed visuals and dashboards within HLMIS by adding artificial intelligence layers in the system. The intended use of these visuals and dashboards was to facilitate more accessible information for evidence-based decision-making. As a major output of this phase, the Project MIS team developed a beta HLMIS version (<http://beta.lmis.gov.pk/mnch/>) of the system.

### 3.2.2. HLMIS Piloting in Punjab and Sindh

To test the functionality of HLMIS in Punjab and Sindh, the Project coordinated with the health departments of both provinces. The inventory management module of HLMIS was tested in five districts stores each of Punjab and Sindh.

- Punjab: Muzaffargarh, Dera Ghazi Khan, Rahim Yar Khan, Bahawalnagar and Pakpattan
- Sindh: Malir Karachi, Hyderabad, Larkana, Mirpurkhas, Ghotki

## 3.3. Five Year MNCH VEML Forecast in Sindh

The Project organized a series of consultative meetings with relevant public and private sector stakeholders in Sindh to finalize the five-year MNCH VEML forecast (2019-23). The meetings were held on August 21 and November 13, 2019, at Hyderabad. ([Annex-32: Meeting Minutes-Consultation on finalization of MNCH VEML five-year forecast for Sindh](#))

In consultation with the DoH technical staff, the Project developed a five-year forecast for very essential medicines (VEM) commodities using morbidity and demographic information from various sources. The forecast can be accessed at

[http://mnch.lmis.gov.pk/public/training\\_manuals/MNCH%20Forecast%20Report%20for%20Sindh\\_Jan%202014,2020.pdf](http://mnch.lmis.gov.pk/public/training_manuals/MNCH%20Forecast%20Report%20for%20Sindh_Jan%202014,2020.pdf) . The funding requirements for the prioritized VEM were estimated for the next five years, 2019-20 to 2023-24, and were estimated based on demographics, PC-1 reviews, and consultative meetings with provincial technical groups. The Project designed a framework for indigenous modeling forecast of priority products and recommended a financing of approximately USD 185.22 million for the MNCH very essential products over the 2019-23 forecast period. The forecast was endorsed and printed copies was shared with the department. ([Annex-33: Endorsement of MNCH VEML forecast and handing over of printed copies](#))



Figure 7: Meeting on MNCH VEML forecast finalization

The project also supported the Government of Punjab for revision of MNCH VEML forecast (2019-23). The document can be accessed at

[http://mnch.lmis.gov.pk/public/training\\_manuals/MNCH%20Forecast%20Report%20for%20Punjab\\_Jan%202014,2020.pdf](http://mnch.lmis.gov.pk/public/training_manuals/MNCH%20Forecast%20Report%20for%20Punjab_Jan%202014,2020.pdf)

## 3.4. Meeting with Deputy Country Representative, UNICEF

To discuss the progress of UNICEF-HLMIS Project, a meeting between Chemonics and UNICEF team was held at the UNICEF Pakistan Country Office in Islamabad on September 6, 2019. ([Annex-34: Minutes- Meeting with Deputy Country Representative](#))

## 4. FINALIZATION OF HLMIS

Following consultations with respective stakeholders of both Sindh and Punjab governments, and representatives from UNICEF and WHO, the next phase was to determine a final version of the HLMIS system. The Project's field staff also held a series of consultations at the user level to receive their feedback on the software. The software was finalized with consensus from all relevant government and private stakeholders, including UNICEF and WHO.

### 4.1: Revision of the developed HLMIS

As part of activity 4.1, the Project field staff held a series of consultations at the user level to receive their feedback on the HLMIS software from piloted users, Departments of Health, and UNICEF leadership during and after the piloting period. Prominent recommendations and suggestions were collected at the user level from facility-level users, provincial health departments, UNICEF, and WHO, in addition to the pilot testing results, and were incorporated in the system.

### 4.2: Finalize computerized LMIS requirements

#### 4.2.1. First Meeting of HLMIS TWG in Sindh

Leading efforts to progress the HLMIS interfacing agenda and bring all relevant stakeholders together to review progress of the system, the Government of Sindh convened the first TWG meeting in coordination with the Project team on November 27, 2019 at Karachi, chaired by the Additional Director General Health Services in Sindh. Participants of the meeting included representatives from Directorate General Health Services (DHIS, LHW and MNCH programs), partner organizations including MERF, IHS, PPHI, HANDs, as well as UNICEF. With the Project sharing details on progress and functionality to date, and stakeholders providing their feedback on this progress, all participants were able to unanimously agree on the final HLMIS system design and next steps for moving this vision forward. (Annex-35: Meeting minutes- First HLMIS TWG meeting in Sindh)



*Figure 8: TWG HLMIS Meeting- Sindh*

#### 4.2.2. Second Meeting of HLMIS TWG in Punjab

The second HLMIS TWG meeting was held in Punjab on November 26, 2019 at Director General Health Services in Lahore. The meeting was chaired by the Mr. Bashir Ahmed, Director Health Services MIS. All relevant stakeholders, including provincial government representatives, UNICEF, and WHO, were present during the meeting. As a result of sharing progress and receiving stakeholder feedback during this session, consensus on the final HLMIS system was built. (Annex-36: Meeting minutes- Second HLMIS TWG meeting in Punjab)



*Figure 9: TWG HLMIS Meeting- Punjab*

## 5. IT HARDWARE AND HUMAN RESOURCES NEEDS ASSESSMENT

This section provides details of the IT hardware and human resources needs assessment conducted in select facilities of Sindh and Punjab. As part of the HLMIS implementation, it was essential for government staff to be equipped with the necessary tools to ensure data availability at all levels of the supply chain and in turn guarantee a resilient and uninterrupted supply chain for pneumonia and diarrheal health commodities. The ultimate goal was to create transparency and availability of MNCH commodities to end users and clients across both provinces.

After a joint quantitative and qualitative analysis, estimated costs for IT hardware, capacity building trainings, and M&E requirements were calculated. Two separate costed models were proposed for the two provinces.

### 5.1 & 5.2: Coordinated staff and resource needs assessment in selected districts of Sindh & Punjab

In Sindh and Punjab, 234 and 17 health facilities respectively were visited by the project field staff to conduct an IT hardware and HR needs assessment. A pre-assessment literature review was conducted, whereby internationally approved variables were studied as options for use in the assessment; the WHO health system framework was selected and adopted for data collection and analysis. The Project team outlined the strategy for the need's assessment prior to its initiation, followed by planning, execution, analysis, and report development. Given the high number of health facilities in both provinces, a fixed sampling method was used to select sample facilities for inclusion in the assessment.

The project team designed data collection tools for these facility visits which were held during November 19-22, 2019. The objective of this assessment was to assess the capacity and efficiency of the existing health facility staff operating MISs, specifically those with similar functionality of HLMIS. (Annex-37: Need Assessment Tools and visit schedule; Annex-38: Punjab Data Collection Tools & Annex-39: Sindh Data Collection Tools).

After completing quantitative and qualitative analyses, estimated costs for IT hardware, capacity building trainings, and M&E requirements were considered. Two costed models were proposed for both provinces, short term (PKR 214 million for Punjab and PKR 166 million for Sindh) and long term (PKR 5,793 million for Punjab and PKR 2,069 million for Sindh). In the short-term, HLMIS implementation would be managed at the district level and in the long-term it would be managed at the health facility level. Capacity building sessions for nominated government staff on the HLMIS system were contingent on IT hardware availability at the district and sub-district levels.

Based on the assessment results, a costed implementation plan was synthesized and contained the costed requirements for



*Figure 10: Assessment visits*



IT hardware and HR capacity building support if stakeholders desired to scale HLMIS implementation to facility level.

## 6. HLMIS TRAININGS

### Endorsement of Health Logistics Management Information System (HLMIS)

A formal HLMIS endorsement ceremony was held on January 17, 2020, in Islamabad. SAPM on Health, Dr. Zafar Mirza, chaired the ceremony. The five year costed forecasts of Sindh and Punjab were also handed over to the respective governments.

The event was attended by UNICEF Country Representative, Dr. Aida Girma; Director USAID Health Office, Dr. Han Kang and representatives from the provincial governments, academia, development partners and private sector organizations. (see Annex 40: Endorsement of the HLMIS system)



Figure 11: Endorsement Ceremony - Jan 17

### 6.1: Develop Training Plan and Nomination of Master Trainers

Following the development and endorsement of HLMIS by the respective provincial governments, the HLMIS Project team developed a training plan intended to provide coverage of trained HLMIS users across all project-supported districts.

A two phased approach was taken to conducting trainings for maximized sustainability, with Training of Trainers (ToT) first being conducted to develop a pool of master trainers (MTs) for HLMIS, ensuring that capacitated resources are available to sustain training and roll-out of HLMIS beyond project closeout. Subsequently, Phase-II of the approach encompassing several roll-out user trainings (RoT), co-facilitated by MTs and Chemonics staff for quality assurance of the trainings.

Trainings were conducted in both Sindh and Punjab as per the below schedule:

Sessions	Trainings	City	Dates	No. of Participants
Phase I- Training of Trainers				
Session-1	ToT on HLMIS Punjab & Sindh	Islamabad	January 21-23, 2020	16
Phase II- Roll-out User Trainings				
Session-2	HLMIS RoT of Sindh district staff on HLMIS	Karachi	January 28-29, 2020	21
Session-3	HLMIS RoT of Punjab district	Lahore	January 30-31, 2020	23
Session-4	HLMIS RoT of Sindh district staff	Karachi	February 03-04, 2020	24
Session-5	HLMIS RoT of Sindh district staff	Karachi	February 06-07, 2020	24
Total Participants				108

### 6.2 & 6.3: Develop Training Particulars & Curriculum

Training particulars and curriculum were developed and finalized by the project training team in coordination with the project technical and MIS teams to ensure an appropriate balance of background

logistics concepts, system information, user guidance, and applicability. HLMIS training particulars included the ToT Manual, Participants Guide, Facilitator Manual, and User Guide (<http://mnch.lmis.gov.pk/manuals.php>), which were developed, printed, and distributed to provide participants with detailed learning tools during and after the trainings. The training team also developed pre- and post-training assessments, training evaluation forms, an Excel-based data analysis tool for training results, training agendas, and participant certificates.

## 6.4 & 6.5: Develop Selection Criteria and Coordinate Nomination of Master Trainers

The HLMIS Project team developed specific criteria for the selection of MTs to participate in the ToT, in coordination with the respective provincial government officials, to nominate suitable participants for trainings ([Annex 41 - Selection Criteria for Master Trainers](#)). Based on this selection criteria, provincial governments nominated government officials for participation in the ToT ([Annex 42 - Nominations of Master Trainers](#)). Selected master trainers were highly knowledgeable on information management systems at large, demonstrated a keen interest for learning the ins and outs of the software, and adopting a sustainable approach to digitizing the Maternal Neonatal and Child Health (MNCH) supply chain. A list of selected MTs can be found in [Annex 43 - List of Master Trainers](#).

## 6.6: Conduct Training of Master Trainers

The ToT was held from January 21-23, 2020 at the Marriott Hotel in Islamabad. The overall objective of the ToT was to orient selected MTs on the HLMIS system and improve their understating of its' features. Participants came from 5 districts in Punjab and all 29 districts in Sindh. 16 additional participants were nominated by the respective governments from both the provinces (11 from Sindh, 5 from Punjab) to be trained on various modules of the HLMIS for sustained reporting and data analysis.

ToT sessions were conducted by the Project MIS Training teams. The MIS team primarily focused on the technical sessions while the Training team led communication modules ([Annex 44 – Agenda of ToT](#)).



*Figure 12: TOT Opening Session*

The ToT began with the opening remarks and introductions of all participants. Representatives from UNICEF and Government Health Departments included Dr. Adriana Reitsema, Health Manager at UNICEF, Dr. Malik Muhammad Safi, Director General at MoNHSR&C's, and Dr. Haroon Jahangir, Director General Health Services, Punjab.

Training material packages were distributed to the participants containing a Participants Guide and participant registration form ([Annex 45 – Participant Registration Form](#)). Before the training began, participants completed registration forms and a pre-test. At the conclusion of the technical sessions, a post-test was conducted ([Annex 46 – Pre- and Post-Training Assessment](#)). The participants' evaluation was derived on the basis of these Pre and Post tests scores, which were used to assess the delivery

and retention of knowledge imparted to the trained participants ([Annex 47 – Pre- and Post-Training Assessment Results](#)).

The assessment was comprised of questions related to the features of HLMIS, as well as communications and presentation information. Analysis of these training assessment results showed that the participants’ knowledge of core supply chain, logistics, and HLMIS information improved significantly. The average knowledge gain between pre- and post-training was 34%. Of the 16 ToT participants, two were unable to attend the morning session of the first day of training and thus were unable to complete the pre-training assessment (A1 and A9). Post-training results show a high departing knowledge of these participants, on par or higher than the average departing knowledge. The figure below reflects individual participants’ assessment results of the training session.

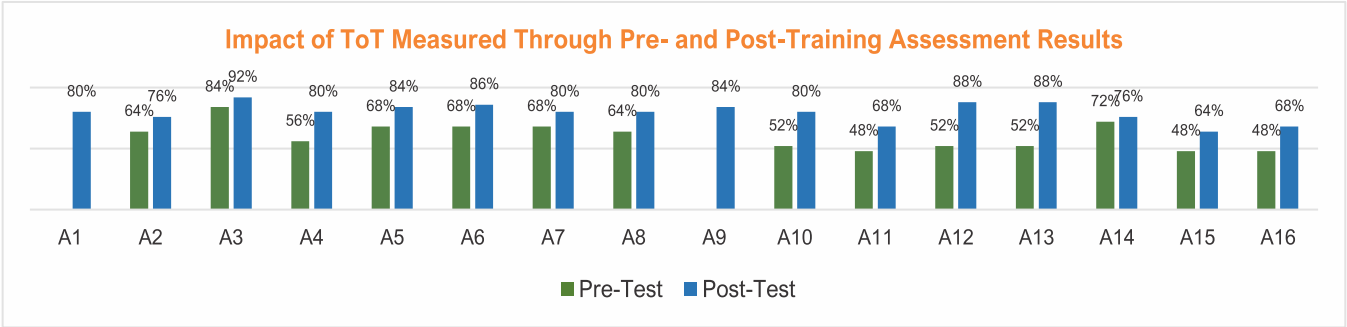


Figure 13: ToT pre and post test results

The quality of both ToT and roll-out user training sessions were evaluated by analyzing feedback received from each participant through the completion of evaluation forms ([Annex 48 – Training Evaluation Form](#), [Annex 49 – Training Evaluation Feedback for ToT](#)) at the end of each session. Consolidated feedback is reflected in the figures below, and shows that participants responded favorably about the quality and applicability of content covered

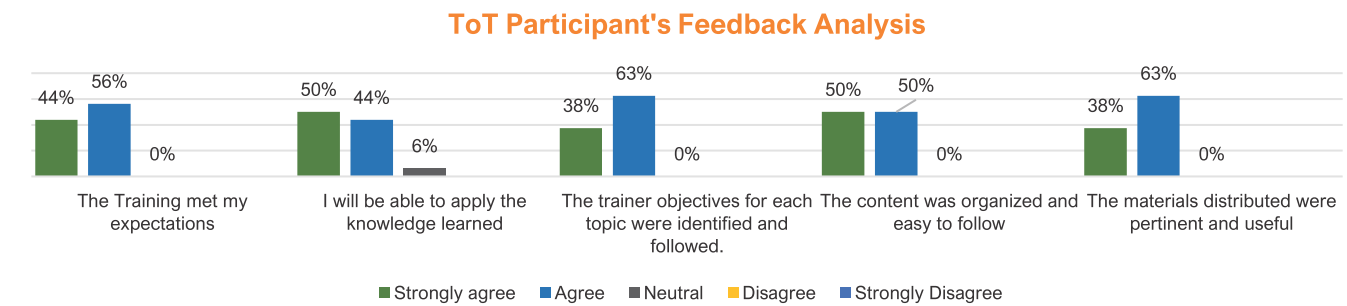


Figure 14: ToT Participant Feedback on Various Facets of Training

This figure illustrates the ToT participants’ overall satisfaction with the training. 56% of participants felt that the training was excellent in overall quality and 44% of participants felt that training experience was good, while no participants reporting that they felt the training was average, poor, or very poor. All 16 ToT participants in attendance provided feedback and individual responses can be seen in [Annex 49 – ToT Training Evaluation Feedback](#). During a conclusive discussion at



Figure 15: Overall training rating by response by master trainer participants

the end of the training, where responses were open ended, participants expressed being generally quite satisfied with having received a digital solution for supply chain data of MNCH very essential medicines, and were eager to see the benefit it would have in their respective districts.

### 6.7: Coordinate for the Nomination of District Staff for Roll-Out Trainings

Following the ToT, district-level roll-out user trainings (RoTs) were organized to train end users at the district level in Sindh and Punjab. Provincial government officials nominated relevant staff to be trained during RoTs through notifications, based on the selection criteria. (Annex 50 - Selection Criteria for District Staff for ROT; Annex 51- Nominations of District Staff for Roll-out User Trainings).

### 6.8: Conduct Trainings at District Levels



Figure 16: MTs imparting ROT

The RoTs focused on giving in-depth understanding and hands on practice to build technical capacity of district operators of provincial/regional programs and eventual HLMIS users on IM modules of the system (Annex 52 - Agenda Training Sessions RoT). A core objective of the trainings was to prepare a targeted taskforce at the district level so that both district- and facility-level data will be fed into the HLMIS in a timely manner. RoTs of district operators in all 34 project-supported districts commenced on January 28th, 2020 and were completed by February 7th, 2020. 92 participants were trained across all RoT sessions, with 69 from all the districts of Sindh and 23 from districts of Punjab. All training sessions were conducted in Karachi or Lahore, where district representatives from throughout the provinces were called (Annexure 53 – List of RoT Trainers).

RoTs were facilitated by MTs trained during the ToT and co-facilitated by the Project MIS and Training Teams. Each participant was given several exercises to complete on laptops, which were provided for the training sessions. The exercises took participants through the complete process of data compilation, entry, uploading and report generation. The User Manual was also shared with participants as a standard package. Participants were requested to complete a registration form so that a data base of trained HLMIS users, their locations, and contact information could be developed by the end for trainings. Facilitators addressed all questions and queries from district staff with regards to the HLMIS software and ensured the full engagement of each participant throughout the sessions. Pre- and post-training assessments were conducted to gauge participants’ understanding of information conveyed during trainings (Annex 54- Pre- and Post-Training Assessment Results; Annex 55 - Individual

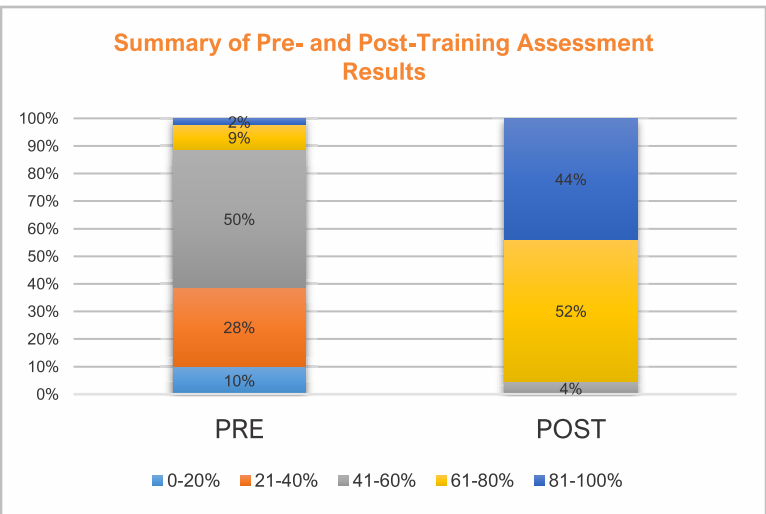


Figure 17: ROT Pre-post test results

Pre- and post-training assessments were conducted to gauge participants’ understanding of information conveyed during trainings (Annex 54- Pre- and Post-Training Assessment Results; Annex 55 - Individual



Pre- and Post-Roll-out User Training Assessment Results). The figure below highlights a summary analysis of pre- and post-training assessment results. Of the 92 participants who attended the roll-out trainings, 88 completed the pre-training assessment and scored, on average, 46% on their starting knowledge of basic logistics and HLMIS concepts. 89 participants completed the post-training assessments and scored, on average, 79%. According to these results, participants who attended a roll-out training session improved their test score by approximately 74%.

A question by question analysis was also completed to further evaluate where participants had particular difficulties and knowledge gaps, and where further training improvement is still warranted. Training feedback was also acquired from each participant through a Participant Feedback form (Annex 56 - RoT Training Evaluation Form). Consolidated participant feedback is reflected in the figures below:

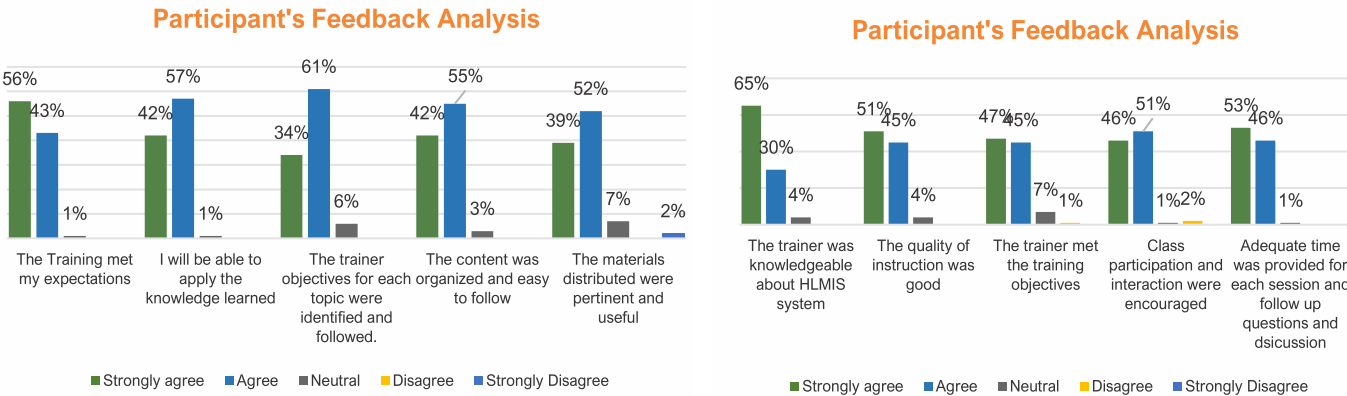


Figure 18: Consolidated Training Feedback of Roll-out User Trainings

The pie chart illustrates the consolidated results of the overall training experience for RoT participants. 53% of participants felt that the training was excellent in overall quality, 43% of participants felt that training experience was good, and 4% felt that the overall experience was average. No participants reported the training sessions as poor or very poor. A total of 89 participants provided feedback (Annex 57 - RoT Training Evaluation Feedback) and all participants were quite satisfied with the trainings sessions and receiving a digital solution for supply chain data of MNCH very essential medicines. The RoT concluded with various closing remarks, notably from representatives of provincial governments and UNICEF.



Figure 19: Overall training evaluations – Roll-out User Trainings

Quality Assurance

Quality assurance was a cross-cutting and vital element of all activities related to HLMIS training. The main purpose was to ensure the quality was consistent across all trainings, as per the international standards and to mitigate challenges faced in early trainings. The following approaches were adopted to monitor and ensure the quality of trainings:

1. The Project Training team and (where applicable) MTs held regular pre- and post-training session meetings to address any issues of quality/coordination.
2. Pre- and post-training assessments of participants were conducted to gauge their level of comprehension and impact of training.
3. Chemonics' technical Project staff co-facilitated RoTs to ensure that all training information was being conveyed adequately to participants, and that participants actively engaged in the training process.

## 7. HLMIS SUSTAINABILITY AND MONITORING & EVALUATION

### 7.1 Develop a help desk for ongoing support

After the successful deployment of HLMIS in five districts of Sindh and five districts of Punjab in Nov, 2019 a help desk was established at the Islamabad Chemonics field office. JIRA software had been configured by the MIS team for auto creation of service request tickets, their tracking and resolution. When end users send an email to [support@lmis.gov.pk](mailto:support@lmis.gov.pk), a ticket is automatically created and a confirmation email sent back to end user with unique service request number. A team of MIS associates were selected to respond to service requests. After a query is addressed, the initiator is informed through an auto-generated email.

### 7.2 Develop protocols for providing ongoing technical support for software

In an effort to provide a more sustainable experience, master trainers nominations were taken from provincial governments and were provided two days of comprehensive training in Islamabad on Jan 21-23, 2020. Four training sessions were then conducted by these Government Master trainers between Jan 27 – Feb 6, 2020, along with the Project training and MIS teams. During trainings, technical support protocols were also communicated to the trainees. After the close-out, in case any end user required additional support, they could communicate with their provincial master trainers who will be responsible for any future service requests.

### 7.3 Develop recommendations to ensure system sustainability

- During selection of Master trainers, it was recommended to government representatives that they must nominate regular and dedicated HR who are government officials.
- Transfer protocol was also agreed upon, whereby no government staff would be transferred until new resource is trained on the system
- Nominated HLMIS focal persons in the district health management team would ensure the regular compliance/ reporting in the system
- A comprehensive HLMIS M&E framework has been shared with the provincial governments ([Annex 58 – HLMIS M&E framework](#))
- Provincial and district level technical working groups can periodically review the progress, suggest new development needs/ enhancements in HLMIS, can take policy decisions and ensure the regular compliance/ reporting.
- Agreements of transfer of technology (source code/historical data) to the provincial government servers would further strength the HLMIS

## 7.4 Prepare field visits plan for supportive supervision activities

The project field teams in Punjab and Sindh coordinated with the respective provincial stakeholders for developing field visit plans for supportive supervision activities in five districts of Punjab and all districts of Sindh. (Annex 59 –Correspondence supportive supervision activities Sindh and Punjab)

## 7.5 Conduct ongoing supportive supervision at all levels through field visits

As part of the implementation of the HLMIS sustainability and MEL phase, project staff and local government officials, including DHOs and master trainers, conducted joint field monitoring visits to five project-supported districts (DG Khan, Muzaffargarh, Pakpattan, Bahawalnagar and Rahim Yar Khan) of Punjab and all project-supported districts of Sindh. The field visits were aimed at monitoring implementation of HLMIS, recording successes, addressing challenges, and providing a forum for users to inform system improvements moving forward. In Sindh, District Health Office stores in all 29 districts were visited, while in Punjab visits were conducted in 13 sites across five focused districts. Uniform monitoring checklists were used for data acquisition across all facilities (Annex 60 –Monitoring Checklist – District stores)

The purpose of conducting field monitoring visits in all supported district facilities in Sindh and Punjab was to:

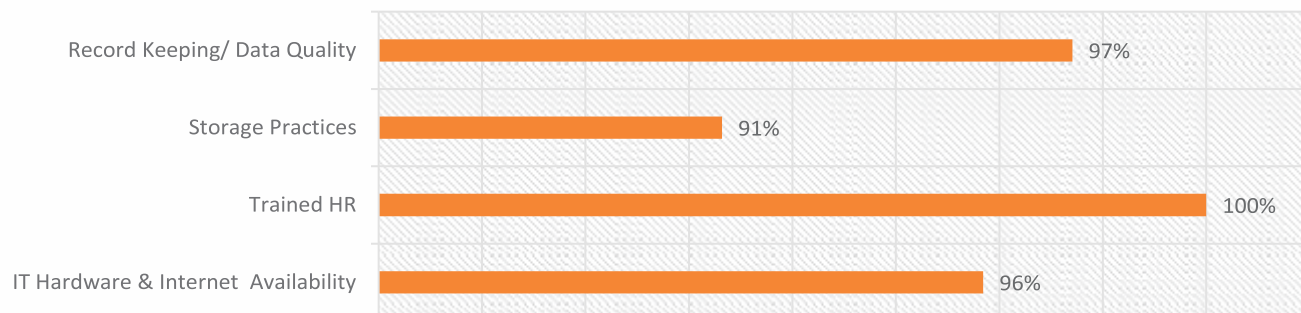
- Monitor the real-time implementation of HLMIS for improvements, challenges,
- Provide on-the-job training of relevant staff serving as HLMIS
- Identify gaps in the current HLMIS system to inform future system changes for improved implementation of HLMIS



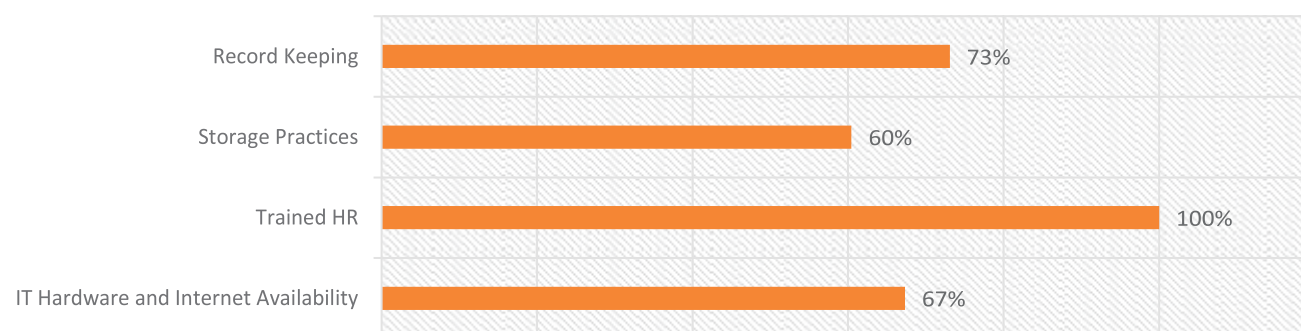
*Figure 20: Field Monitoring Visits*

The table below summarizes the province wise key findings and recommendations gathered by the project team, which can be found in detail in the annexes of this report (Annex 61 –66):

### Sindh Field Monitoring Visit Findings



### Punjab Field Monitoring Visit Findings



Province	Key findings	Recommendations
Sindh	<ul style="list-style-type: none"> <li>Assessment of project-supported facilities revealed that UNICEF supported IT hardware including desktops and printers were present in all districts. A power back-up generator was present in all districts but Dadu, and internet facility was available in only 24 of 29 districts.</li> <li>Trained HR were available and present in all district stores to utilize HLMIS system for informed inventory management.</li> <li>On the job training provided by the HLMIS team was used to further improve already mature storage and record keeping functions identified through our assessment.</li> </ul>	<ul style="list-style-type: none"> <li>Allocation of financial resources to sustain HLMIS implementation and dedicate HR for regular M&amp;E</li> <li>Review and revision of existing job description for public sector and partner staff to include HLMIS for inventory management and warehouse management</li> <li>Desk review (remote follow up) and regular field visits for monitoring of the MNCH and other essential health commodity supply chains through HLMIS made a regular feature of supervisory staff at both provincial and district levels</li> <li>Master Trainers should be engaged to provide refresher trainings on HLMIS operation and</li> </ul>



Province	Key findings	Recommendations
		<p>continuous supportive supervision of district staff for continued HLMIS implementation</p> <ul style="list-style-type: none"> <li>• There should be a policy for inter-intra district transfer of HLMIS operators, whereby back-up/ training of new staff should be ensured</li> <li>• HLMIS needs to be extended to secondary and tertiary health care facilities</li> <li>• Provision of uninterrupted logistics support for smooth implementation of HLMIS including internet facilities, printing facilities, etc.</li> </ul>
Punjab	<ul style="list-style-type: none"> <li>• IT hardware provided by UNICEF – including desktops, laptops, tablets, and printers – were only found to be present in 9 of 13 sites visited. 8 out of 13 sites had power back-up generators or other arrangements, and internet facility was present in 9 of 13 sites. Non-availability of IT hardware was mainly due to manual reporting practices prior to the HLMIS introduction.</li> <li>• Trained HR were available and present in all district stores of CEO, IRMNCH and PHFMCs to utilize HLMIS system for informed inventory management.</li> <li>• Storage practices were relatively lacking with assessment scoring of 60% of facilities undergoing satisfactory practices. Only 3 sites visited were found to have sufficient storage capacity.</li> <li>• Record keeping/ data quality practices were found to be satisfactory.</li> </ul>	<ul style="list-style-type: none"> <li>• Scale-up of HLMIS to the remaining 31 districts of Punjab that are not currently supported.</li> <li>• Advocacy and financing for the provision of IT equipment to the Provincial and District Medicine Stores.</li> <li>• Review and revision of existing job description for public sector staff to include HLMIS for inventory management and warehouse management.</li> <li>• Purpose built storage facilities are required at the district stores of DOH, IRMNCH and PHFMC for improved medicine storage, ensuring availability of quality products at the last mile.</li> <li>• HR and financial resource allocation for regular M&amp;E at the district level by the district health department to ensure uninterrupted use of HLMIS for greater visibility.</li> <li>• Master Trainers should be engaged to provide refresher trainings on HLMIS operation and continuous supportive supervision of district staff for continued HLMIS implementation</li> <li>• There should be a policy for inter-intra district transfer of HLMIS operators, whereby back-up/ training of new staff should be ensured.</li> <li>• Provision of uninterrupted logistics support for smooth implementation of HLMIS including internet facilities, printing facilities etc.</li> </ul>

## No Cost Extension

The COVID-19 virus was confirmed present in Pakistan in February 2020, effecting anticipated technical activities, notably including closeout operations and HLMIS system handover to public sector stakeholders. Owing to this situation, the project was granted a three-month no cost extension in through the end of July 2020. During this time, the field teams continued providing remote technical assistance to the government district staff for timely data entry and smooth HLMIS implementation.

Keeping in view the emergency situation and lock-downs in different parts of the country, the project strategized to adopt virtual approaches, leveraging different technological platforms including Skype, Zoom, Teams, Google Meet, etc. to continue providing assistance to government designated staff for seamless HLMIS implementation.

The remote supportive supervision continued during this phase and the Project staff provided on call support to HLMIS users, as and when necessary, for ensuring reporting compliance. Unique challenges arose during this time where the facilities were closed and data entry operators were working remotely. These challenges mainly included poor internet connectivity, electricity disruption, and telecom signal issues, leading to inability to report consistently, among other things.

### 7.6 Second HLMIS Technical Working Group Meeting Sindh

To deliberate on HLMIS analytics and dashboards and discuss a way forward, the Government of Sindh convened an online second TWG meeting in coordination with the Project team on June 04, 2020, chaired by the Director General Health Services in Sindh (*Annex 67: Letter Second TWG Sindh meeting*). Participants of the meeting included representatives from Directorate General Health Services (DHIS, LHW and MNCH programs), partner organizations including MERF, IHS, PPHI, HANDs, as well as UNICEF. Through the Project sharing details on progress and functionality to date, and stakeholders providing their feedback on this progress, all participants were able to unanimously agree on the new HLMIS analytics and dashboards and next steps for government taking this sustainable intervention forward. (*Annex-68: Meeting minutes- Second HLMIS TWG meeting in Sindh*)

### 7.7 Third HLMIS Technical Working Group Meeting Punjab

The third HLMIS Punjab TWG meeting to discuss the project updates in the wake of No Cost Extension was held on June 25, 2020. A follow-up virtual meeting with HISDU management was held on June 30, 2020. In Punjab, an understanding with Health Information and Service Delivery Unit (HISDU) was developed, whereby, the source code, database and web services of HLMIS were shared with them, so that it can be interfaced with Medicine Inventory Management System (MIMS), hosted at the servers of Punjab Information Technology Board (PITB). (*Annex-69: Meeting minutes- Third HLMIS TWG meeting in Punjab*)

## 7.8 Virtual Training of Punjab and Sindh Master Trainers on New HLMIS Dashboards

With reference to the action points of Second HLMIS Technical Working Group Meeting held on June 4, 2020, the DGHS office, Sindh, nominated the Master Trainers for virtual training on new HLMIS dashboards and refresher on the system (*Annex-70: DGHS Sindh nomination letter for refresher and new dashboards*). The project MIS team provided the virtual training on July 11, 2020. A total 13 Master Trainers and new onboarded UNICEF district staff were trained.

The virtual refresher training was also provided to Punjab Master Trainers on July 11, 2020 as a follow-up of Third HLMIS Technical Working Group Meeting held on June 25, 2020.

## 7.9 Virtual Training of Punjab and Sindh Nominated Staff on HLMIS Help Desk

As part of HLMIS sustainability and the MEL phase of the approved execution plan, the nominated staff of the Sindh and Punjab were trained on the help desk functionalities. With the government own staff trained on help desk, its support functions can be independently managed without project support. (*Annex-71: Nominations for HLMIS help desk virtual training – Sindh and Punjab*)

## WAY FORWARD

In Punjab, the HLMIS is yet to be scaled up to remaining 31 district stores and interfaced with the MIMS being implemented at health facility level. Therefore, it is an unfinished agenda, as only system implementation in the remaining districts and interfacing with MIMS will bring true end to end visibility for MNCH commodities. Similarly, in Sindh, though system has been implemented at all district stores and interfaced with five other MISes of private partners, there is still a long way to go, as only very essential MNCH products are being managed through the system and a multitude of other commodities still remain uncaptured. The following are envisaged to optimal future discourse of the system:

- Government takeovers the system management with any technical and financial assistance by any partner/organization
- Scale up of the system to the health facility level
- Nationwide scaleup of the system to the other provinces and regions
- Ensure financing for M&E
- Systematic use of data for evidence-based decision making

# ANNEX 1: APPROVED EXECUTION PLAN


Project Execution Plan															unicef	
Workplan Activity	Sub Activities	Deliverable	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20		
Activity 0.1	0.1.1	Conduct internal project kick-off and staff onboarding														
	0.1.1	Onboarding of staff														
	0.1.2	Conduct Staff Orientations														
D-0	0.1.3	Establish offices														
		Staff onboarding & orientation														
		Deliverable - 1														
Activity 1.1	Hold preparatory meeting with supervisor & relevant UNICEF Staff															
	1.1.1	Conduct preparatory meeting(s) with UNICEF														
	1.1.2	Finalize Workplan														
Activity 1.2	1.1.3	Conduct inception Meetings with UNICEF provincial representatives in Sindh & Punjab														
	1.2.1	Conduct Desk & Literature Review														
	1.2.2	Develop a Stakeholder's Mapping & Engagement Analysis														
	1.2.3	Develop Research Framework														
	1.2.4	Develop Data Collection Tools & Questionnaires														
	1.2.5	Write Inception Report														
D-1	Inception Report & Execution Plan															
	Deliverable - 2															
Activity 2.1	Conduct coordination/consultative meetings with DOH/stakeholders for the development of integrated computerized LIMS strategy and system and finalizing the monitoring LIMS indicators															
	2.1.1	Data Collection through tools & Questionnaires														
	2.1.2	Data Analysis & Interpretation														
	2.1.3	Verify initial LIMS design proposed in inception report														
	2.1.4	Consultative meetings with Stakeholders in Sindh for MNCH LIMS Design														
	2.1.5	Consultative meetings with Stakeholders in Punjab for MNCH LIMS Design														
	2.1.6	Consolidate Feedback & Identify approved indicators for MNCH LIMS														
	2.1.7	Interface specification														
	2.1.8	Standardize Reporting formats of various systems for approved indicators														
	2.1.9	Develop Integration plans for other Information Systems														
	2.1.10	Develop MNCH LIMS prototype														
	2.1.11	Develop MNCH LIMS draft design for stakeholders														
	2.1.12	Disseminate draft LIMS design in Sindh														
	2.1.13	Disseminate draft LIMS design in Punjab														
	2.1.14	Incorporate feedback on draft design presentation														
	2.1.15	Finalize LIMS beta version														
2.1.16	Prepare presentation of draft report of MNCH MIS															
Activity 2.2	Conduct coordination/consultative meetings with DOH Sindh/ stakeholders for the development of MNCH VEML five-year Forecast for the province of Sindh															
	2.2.1	Consultative Meetings with Stakeholders in Sindh to finalize methodology and indicators for MNCH VEML forecast														
	2.2.2	Prepare data collection tools for finalized indicators for MNCH VEML forecast														
	2.2.3	Prepare draft forecast for Sindh														
	2.2.4	Disseminate draft forecast for Sindh and gather feedback.														
	2.2.5	Incorporate feedback for forecasting														
D-2	Technical Report of consultative meetings with: 1. list of approved indicators for LIMS and forecasting for MNCH VEML Sindh. 2. Integration plans for vLIMS, cLIMS, etc. 3. Power point presentation of draft report to relevant stakeholders.															
	Deliverable - 3															
Activity 3.1	Develop MNCH Logistics Management Information System (LIMS) and pilot it in 10 -12 health facilities of various levels.															
	3.1.1	Develop User Interfaces														



[illegible]

## ANNEX 2: NOTIFIED MNCH VEML FOR SINDH & PUNJAB

### MNCH VEML Sindh



**DIRECTORATE GENERAL  
HEALTH SERVICES SINDH HYDERABAD**  
Phone# 022-9240106 Fax# 022-9240100  
(E-Mail: dghealth@sindh@sindh.gov.pk)

**NO. DGHS / (P.M.W. 58-B) / 6974/77** **DATED: 13-01-2017**

**To,**  
Dr. Muhammad Tariq  
Country Director  
USAID Global Health Supply Chain Program  
Islamabad

**SUBJECT:** REVISION AND PRINTING OF ESSENTIAL MEDICINE LIST AND MNCH VERY ESSENTIAL & PRIORITY MEDICINE LIST FOR SINDH.


**Reference:** Your letter dated July 24 2017, on the above subject matter.

**Dear Dr. Tariq,**

With the approval of Secretary Health Government of Sindh, vide letter No. OSD/MISC/2017, dated September 07, 2017, I am pleased to inform that incorporation of the changes/amendments made in Essential Medicine List and MNCH Very Essential & Priority Medicine List for Primary and Secondary level health facilities during consultation meeting held on August 03, 2017 is endorsed and printing of the same is requested.

Thanks for the continuing technical support to Health Department Government of Sindh by Global Health Supply Chain Program –Procurement Supply Management.

**Enclosed:** Signed Foreword and Acknowledgement.

  
**DIRECTOR GENERAL,  
HEALTH SERVICES SINDH HYDERABAD**

**Cc:**  
Secretary, Department of Health, Government of Sindh Karachi  
Focal Person USAID/GHSC-PSM Project at Directorate General Health Services Sindh, Hyderabad.  
Provincial Supply Chain Coordinator USAID/GHSC-PSM Sindh, Hyderabad.

Atique E:\DGHS Work\Atique Work\Letters.docx



**Revised MNCH Very Essential Medicines List**  
**Department of Health, Government of Sindh**  
**2017**

Sr. #	Generic Drug Name	Form	Strength	Indication
1	misoprostol	tablets	200 mcg	prevention of post-partum hemorrhage
2	oxytocin	injection	10 IU in 1-ml	
3	sodium chloride	infusion	0.9 %	
4	sodium lactate	ringer's lactate infusion	infusion, 1000ml contains calcium chloride 0.2gm; potassium chloride 0.3gm; sodium chloride 6 gm; sodium lactate 3.1gm; sterile water for injection	treatment of post-partum hemorrhage
5	magnesium sulphate	injection	500mg/ml	severe pre-eclampsia and eclampsia
6	hydralazine* (hydrochloride)	injection	powder for injection 20 mg	management of severe hypertension
7	methyl dopa	tablet	250 mg	
8	ampicillin (as sodium salt)	injection	500 mg	maternal sepsis;
9	ceftriaxone	injection	250 mg; 1 gm	neonatal pneumonia
10	metronidazole	injection	500 mg in 100-ml	maternal sepsis
11	gentamycin	injection	40 mg /ml in 2ml	
12	amoxicillin	injection	250 mg; 500 mg	pneumonia
		dispersible tablets	125 mg; 250 mg	
13	dexamethasone (disodium phosphate)	injection	4 mg (as disodium salt) in 1-ml	improvement of fetal lung maturity
14	low osmolarity oral rehydration salts	dry mixture (low osmolarity formula) in sachet for 1 liter of solution	each sachet contains glucose anhydrous 13.5gm , trisodium citrate dihydrate 2.9 gm, potassium chloride 1.5gm, sodium chloride 2.6gm B.P.	diarrhea
15	zinc sulphate	scored dispersible tablets	20 mg	
16	vitamin A	capsules	100,000IU; 200,000IU	
17	vitamin K1* (phytonadione)	injection	10 mg	prematurity
18	paracetamol	syrup	120 mg / 5 ml	
19	diazepam*	suppository	100 mg	palliative care and pain
		rectal gel / solution		
20	chlorhexidine digluconate (7.1%)	gel	equivalent to 4 % chlorhexidine	antiseptic for cord care
21	dextrose	infusion	10% 500 ml	
22	ferrous salt + folic acid	tablets	equivalent to 60 mg iron + 400 mcg folic acid	

\* Restricted items; will only be provided to trained staff



PROGRAM DIRECTOR  
**INTEGRATED REPRODUCTIVE MATERNAL  
 NEWBORN & CHILD HEALTH (IRMNCH) &  
 NUTRITION PROGRAM, PUNJAB**  
 5-Montgomery Road, Lahore  
 Phone 042-99205325-31 Fax: 042-99205329  
 E-mail: pc.punjab@gmail.com



### NOTIFICATION

Following "Very Essential Medicines List (VEML)" for Maternal New Born & Child Health (MNCH) is hereby notified with immediate effect to ensure the stocks availability at primary & secondary level health facilities across the province

Sr. #	Generic Drug Name	Form	Strength	Indication
1	misoprostol	tablets	200 mcg	prevention of post-partum hemorrhage
2	oxytocin	injection	*10 IU in 1-ml	treatment of post-partum hemorrhage
3	sodium lactate	ringer's lactate infusion	infusion, 1000ml contains calcium chloride 0.2gm U.S.P.; potassium chloride 0.3gm U.S.P.; sodium chloride 6 gm U.S.P.; sodium lactate 3.1gm U.S.P.; sterile water for injection	
4	disoprostone (prostaglandin E2) [c]	vaginal gel/tablets / pessary	2/3 mg	induction of labor
5	magnesium sulphate	injection	500mg/ml	severe pre-eclampsia and eclampsia
6	hydralazine (hydrochloride)	injection	20 mg	management of severe hypertension
7	methyldopa	tablets	250mg, 500 mg	
8	Ceftriaxone	injection	250mg, 500 mg and 1 g	maternal sepsis
9	gentamicin (sulfate)	injection	40mg, 80 mg	
10	metronidazole	injection	500 mg in 100-ml	
11	dexamethasone (disodium phosphate)	injection	4 mg / ml	improvement of fetal lung maturity
12	Amoxicillin	syrup	125mg & 250mg /5ml	pneumonia
		Injection	250mg, 500 mg	
		Dispersible Tablets	250 mg, 500mg	

Sr. #	Generic Drug Name	Form	Strength	Indication
13	ORS (low osmolarity)	dry mixture (low osmolarity formula) in sachet for 1 liter of solution	each sachet contains glucose anhydrous 13.5gm B.P., trisodium citrate dihydrate 2.9 gm B.P., potassium chloride 1.5gm B.P., sodium chloride 2.6gm B.P.	diarrhea
14	zinc sulphate	Syrup / scored dispersible tablets	20 mg	
15	chlorhexidine digluconate (7.1%)	gel	equivalent to 4 % chlorhexidine	antiseptics for cord care
16	Ferrous Salt / Folic Acid / Ferrous Sulphate + Folic Acid	tablets	tablet, equivalent to 60 mg iron + 400 mcg folic acid	anemia
17	Condoms	piece	non-colored, silicone lubricated latex	Birth spacing
18	Injectable contraceptives	injection	Medroxyprogesterone acetate – 150 mg/ml in 1 ml vial	Birth spacing
19	Oral contraceptive pills (COC)	Cycle	0.15 mg levonorgestrel + 0.03 mg ethinyl estradiol, 75 mg ferrous fumarate	Birth spacing
	Oral contraceptive pills (POP)	Tablets	Lynestrenol 500mcg	
20	IUCD with graduated inserter	piece	Copper-containing device (TCu380A)	Birth spacing

When the [c] symbol is placed next to the complementary list it signifies that the medicine(s) require(s) specialist diagnostic or monitoring facilities, and/or specialist medical care, and/or specialist training for their use.

\* In Pakistan 5 IU in 1-ml is available

**Program Director**

IRMNCH & Nutrition Program, Punjab

No. 258-333 /IRMNCH Dated Lahore the \_\_\_\_\_, 4<sup>th</sup> Jan, 2019

A copy is forwarded for information and necessary action to

1. The Secretary, Primary & Secondary Healthcare, Govt. of the Punjab
2. The Director General Health Services, Punjab Lahore
3. All Chief Executive Officers, District Health Authorities in Punjab
4. Procurement Specialist, P&SHC Department, Govt. of the Punjab
5. All District Coordinators, IRMNCH & Nutrition Program in Punjab

**Program Director**

IRMNCH & Nutrition Program, Punjab

Page 2 of 2

Scanned by CamScanner

## ANNEX 3: LIST OF STAKEHOLDERS INTERACTED

Sr. #	Key Stakeholders	Officials interacted
Federal Level		
1.	Ministry of National Health Services Regulation and Coordination	Director (Technical)
2.	UNICEF Country Office	Health Specialist
3.		Chief Supply & Logistics
Provincial Level – Punjab & Sindh		
4.	Department of Health, Sindh	Director General Health Services
5.		DHIS Coordinator
6.		MIS GMMCH Sukkur
7.	Sindh Lady Health Worker Program	Field Program Officer
8.		MIS Coordinator
9.	People’s Primary Healthcare Initiative (PPHI)	Program Director
10.		Deputy Director
11.		Sr. Manager I. T
12.	Integrated Health Services (HIS)	Manager SCWH
13.		MEAL Manager
14.	Medical Emergency Resilience Foundation (MERF)	Supply Chain Assistant
15.		Health Service Manager
16.	Nutrition Support Program - Sindh	Capacity Building Officer
17.	Department of Health, Punjab	Director General Health Services
18.		Director M&E
19.		Director Health Services (CDC)
20.	IRMNCH & Nutrition Program Punjab	Program Director
21.		Additional Director
22.		Consultant
23.	Primary & Secondary Healthcare Department, Punjab	Additional Secretary (Technical)
24.	UINICEF, Provincial Representative, Sindh	Health Specialist
25.	UNICEF, Provincial Representative, Punjab	Health Specialist
26.	Policy & Strategic Planning Unit, Punjab	Program Director
27.	Children Hospital Lahore	Dean
28.	Mayo Hospital, Lahore	Professor
29.	Sir Ganga Ram Hospital, Lahore	Associate Professor
30.	Government Medical Stores Depot, Lahore	Manager
31.	Mian Munshi Hospital, Lahore	Paediatrician
32.	Sheikh Zayed Hospital, Lahore	In-Charge PMDC
33.	University of Health Sciences	Representative
34.	Agha Khan University	Representative
35.	Plan Pakistan	Representative



## ANNEX 4: MINUTES OF MEETING WITH UNICEF – MARCH 18, 2019

### Meeting with UNICEF (Action Items and Agreement)

18 March 2019

#### Participants:

UNICEF: Dr. Hana Mostafa, Dr. Rana Mushtaq, Dr. Asghar Kamal

GOP: Director HIS / Dr. Lubna, MONHSR&C

PSM: Tariq, Noman, Zafar, Khurram, Iftikhar

#### **1. Registration:**

UNICEF is happy including registration of UNICEF project under existing registration with BOI. It takes only 1-2 weeks. (Chemonics to go ahead)

#### **2. Travel Policy/Approval processes:**

Monthly before the inception report and later Quarterly Travel Plans will be approved by the UNICEF and invoicing for reimbursement will include travel documents following UNICEF and Chemonics policies and reporting mechanisms (Chemonics will share travel policy including reimbursement and allowances)

#### **3. Submitted GANTT CHART:**

UNICEF liked the presented timelines and proposed 12-month period is fine with UNICEF (go ahead)

Given some travel is needed to strengthen INCEPTION REPORT, UNICEF suggested to have meeting with the federal and two provincial governments. UNICEF is meeting with MoNHSR&C today and will discuss with federal ministry, UNICEF provincial focal persons (Dr. Mushtaq and Dr. Kamal) will coordinate for provincial level meeting vis-à-vis design of Integrated Supply Chain Information System, so that the report is contextualized as per the actual field situation (Chemonics will follow up)

Chemonics will be doing introductory meetings with provinces, while doing desk review process to take them fully onboard on the project goals and immediate to long term objectives/activities. Chemonics will specifically study the recent MIS initiatives; identifying interlinkages in order to model MNCH LMIS as integrated and sustainable solution. (submit travel plan for a month)

#### **4. Coordination Mechanics:**

UNICEF holds quarterly IRMNCH meetings at the national level with other provincial governments, this forum will be used for disseminating findings of the INCEPTION REPORT.

#### **5. Integrated Supply Chain Information Systems:**

UNICEF shared its interest of design, development and execution of integrated systems given priorities of the federal and two provincial governments (emphasizing Pneumonia and Diarrhea), visibility between no of users of services and commodities shall be liked. Chemonics explained the journey in this regard and that a pilot in 10-12 facilities is part of the project plan and that all possible efforts will be made to having existing systems (IHS/PPHI/DHIS/2/LMIS) shall be integrated as much as possible. Understanding between DHIS and LMIS will be made at the Orientation session of the project in the next IRMNCH coordination meeting.

## ANNEX 5: MINUTES OF MEETING WITH UNICEF & MoNHSR&C – MARCH 21, 2019

### Participants:

UNICEF: Dr. Hanadi Mostafa

GOP: Director HIS / Dr. Lubna, MoNHSR&C

PSM: Tariq, Zafar

- I. Though Chemonics would be developing and deploying an Integrated LMIS for data visibility of VEML products in Punjab (five districts) and entire Sindh, using existing platform of c/vLMIS, the system can be scaled up to remaining geographies of the country. Chemonics will share with MoNHSR&C the resources needed for the scale up in remaining provinces including ICT and regional governments soon after inception report.
- II. The enhanced LMIS system bringing visibility around VEMLS will be linked/interfaced with DHIS 2
- III. A TWG composed of representation from Ministry, UNICEF, provincial governments and Chemonics be composed to coordinate and periodically review progress of the project
- IV. In next MNCH meeting (towards end of April) Chemonics will arrange a small demonstration of LMIS and its capabilities.

### Additional Points

- I. Chemonics (PSM) on the request of the Ministry has undertaken a detailed assessment of Drug and Device Inventory Management System for tertiary care hospitals of Islamabad. The design of software and deployment plan for Islamabad district is ready to be presented to the Ministry for moving on with implementation.
- II. Chemonics will provide TA to Ministry to develop Pakistan Integrated Health Dashboard through interfacing of fragmented MISes at provincial levels



## ANNEX 6: INVITATION & AGENDA - QUARTERLY REVIEW MEETING - TWG ON CHILD SURVIVAL



O/O PROGRAM DIRECTOR  
**INTEGRATED REPRODUCTIVE MATERNAL  
NEWBORN & CHILD HEALTH (IRMNCH) &  
NUTRITION PROGRAM, PUNJAB**  
5-Montgomery Road, Lahore  
Phone 042-99205325-31 Fax, 042-99205329  
E-mail: pc.punjab@gmail.com



No. 5874-99 /IRMNCH  
To

Dated Lahore the 11<sup>th</sup> April, 2019

All the Participants  
(As per list Attached)

Subject: **QUARTERLY REVIEW MEETING OF TECHNICAL WORKING  
GROUP ON CHILD SURVIVAL**

With reference to the subject cited above, the IRMNCH & Nutrition Program is conducting quarterly review meeting of TWG on Child Survival. Venue and timing shall be as follows:

Dated 18<sup>th</sup> April, 2019  
Time: 10:00 am to 01:30 pm  
Venue: Dinshaw Hall, Avari Hotel Lahore

Detailed agenda of the meeting is attached with this letter. You are requested to make it convenient to attend this important meeting and provide your valuable feedback and comments on activities related to child health.

*Aliya Nigam*  
**ADDITIONAL DIRECTOR**

IRMNCH & Nutrition Program, Punjab

No. 5800 /IRMNCH

Dated Lahore the 11<sup>th</sup> April, 2019

Copy forwarded for information and necessary action to:-

1. The Director General Health Services, Punjab Lahore

*Aliya Nigam*  
**ADDITIONAL DIRECTOR**  
IRMNCH & Nutrition Program, Punjab

## AGENDA

### CHILD SURVIVAL TECHNICAL WORKING GROUP 18<sup>th</sup> April, 2019

Time	Activity	Facilitator
10 : 00 am	Registration	All participants
10: 30 am	Recitation from Holy Quran	Volunteer
10: 40 am	Round of Introduction	
10: 50 am	Welcome address	DGHS
11: 00 am	Objectives of Meeting	Dr. Mushtaq Hussain Health Specialist UNICEF
11: 15 am	Update on Pneumonia and Diarrhea Project	Dr. Mushtaq Hussain Health Specialist UNICEF
11: 30 am	Update on DHIS Punjab	Dr. Bashir Ahmed
11: 45 am	Update and Orientation on LMIS and Sharing of scope of work of Chemonics for UNICEF project	Dr. Tariq USAID Chemonics
12: 30 pm	Review of IMNCI Wall Charts	By Participants
1: 00 pm	Discussion and Way Forward	
01: 30 pm	Comments by Program Director IRMNCH &NP	
01 :40 pm	Lunch	

### **PARTICIPANTS FOR TWG**

1. Director General Health Services, Punjab
2. Program Director IRMNCH & Nutrition Punjab
3. Additional Secretary (Technical), Primary & Secondary Healthcare Department
4. Director Health Services (EPI), O/o DGHS, Punjab Lahore
5. Program Director (PSPU), Punjab, Lahore
6. The Dean, Children Hospital Lahore
7. Professor Haroon Hamid, Mayo Hospital, Lahore
8. Professor Tariq Iqbal Bhutta, Chairman NITAG
9. Dr. Rameeza Kaleem, Associate Professor Sir Ganga Ram Hospital, Lahore
10. The Manager, Government Medical Store Depot, Lahore
11. Director Health Services (MIS), O/o DGHS, Punjab Lahore
12. Director M&E, O/o DGHS, Punjab Lahore
13. Director Health Services (CDC), O/o DGHS, Punjab Lahore
14. Additional Director, IRMNCH & Nutrition Program, Punjab Lahore
15. Paediatrician Mian Munshi Hospital, Lahore
16. Incharge PMDC, Sheikh Zayed Hospital, Lahore
17. Dr. Akhtar Rashid, Consultant
18. Dr. Amir ud Din Chohan, Consultant
19. Representative, University of Health Sciences
20. Head of Office WHO, Punjab
21. Representative, UNICEF
22. Representative, BMGF
23. Representative, UNFPA
24. Representative, USAID
25. Representative, Agha Khan University
26. Representative, Agha Khan University
27. Representative, Plan Pakistan
28. Representative, Nutrition International
29. Representative, Chemonics Islamabad
30. Representative, Chemonics Lahore

## ANNEX 7: INVITATION & AGENDA – NATIONAL RMNACH MEETING

### MEETING OF NATIONAL TECHNICAL WORKING GROUP ON RMNCAH&N

#### TENTATIVE AGENDA

Venue: Crystal Ball Room, Marriot Hotel, Islamabad

Date: 13<sup>th</sup> June 2019

TIME	AGENDA	PRESENTER/FACILITATOR
08:30 - 09:00	Registration	UNICEF
09:00 - 09:10	Recitation of Holy Quran	
09:10 - 09:20	Round of introduction	All Participants
09:20 - 09:40	Welcome Address & Opening Remarks	MoNHSR&C
09:40 - 10:20	MNCH Supply Chain Systems Strengthening in Sindh and Punjab after Pakistan LMIS for FP and Immunization	Chemonics (UNICEF contracted firm)
TEA BREAK		
10:30-11:15	Updates on IMNCI guidelines	Dr Nandlal (UNICEF consultant)
11:15- 11:45	Update on "Every Child Alive Campaign"	UNICEF
11:45 -12:30	Updates on programmatic support to RMNCAH in Pakistan	WHO
12:30 – 01:15	Updates from national midwifery working group with roadmap for strengthening midwifery services in Pakistan.	UNFPA
LUNCH AND PRAYER		
02:00- 02:45	Global Challenges on Use of Chlorhexidine for umbilical cord care: defining clear way forward for Pakistan	UNICEF
02:45 - 03:20	Review report of Essential Health Services in Pakistan based on DCP3	MoNHSR&C
03:20 – 03:35	Closing remarks	Chairperson RMNCAH TWG MoNHSR&C
TEA		

## ANNEX 8: MINUTES OF MEETING OF KICK OFF MEETING

### Minutes of Inception Meeting

#### UNICEF Health LMIS (HLMIS) Project

#### Strengthening Maternal, Neonatal, and Child Health (MNCH) Supply Chain in Sindh & Punjab

Venue: Beach Luxury Hotel, Karachi

Monday, June 17, 2019

#### Background & Introduction

A meeting of relevant government and public private partnership node teams (*list of participants attached as Annexure-A*) was held on Monday, June 17, 2019. The purpose of the meeting was to apprise the participants about the Project, its intended outcomes and the proposed methodology of implementation.

#### Meeting Proceedings

Meeting started with recitation of Holy Quran followed by brief introduction of participant, UNICEF, Health Specialist, Dr. Syed Kamal Asghar briefed the participants formally about the award of the Project to Chemonics International Inc. for Supply Chains System Strengthening for Maternal, Neonatal, and Child Health. Major Project interventions that would include technical assistance (TA) to the provincial Health Departments to have greater visibility around MNCH very essential medicines (VEMs) through enhancement of current LMIS and carrying out necessary interfacing with relevant MISes. Furthermore, the Project will assist the Health Department, Government of Sindh in development of first ever five years forecast of MNCH VEMs.

Project Director, Mr. Zafar Jamil, briefed the participants about the scope of work of the Project. He also gave the details of Project team and its province wise deployment. Dr. Khurram Shahzad, Deputy Country Director, M&E and Human Resource Capacity discussed about MNCH VEML forecast and its way forward. Mr. Sardar Iftikhar, Director MIS discussed the MNCH VEML data visibility in relevant MISes of stakeholders followed by the larger group discussion on consensus building and way forward. (*Agenda of the meeting is attached as Annexure-B*)

Each stake holder gave a detailed account of respective supply chain flows including the reporting mechanism and its frequency. The details included procurement, warehousing/storage and distribution flows of MNCH VEML commodities and existing MISes capturing logistics data. These details will be incorporated in inception report and would assist in design and development of the MNCH LMIS. All participants agreed that current supply chain environment is highly fragmented and does not portray the real picture about commodity security of MNCH VEMLs. Greater data visibility is needed to take informed management decisions.

#### Action Points:

Following are the action points of the inception meeting;

- III. It was decided to form a group of participants as focal persons of their respective programs/organization for sharing of data and information. This group will be consulted for LMIS development and its deployment
- IV. Based on the interaction with the participants and initial data collection, the Project will share draft inception report with the participants for incorporating their comments if any
- V. As mutually agreed, Project in close coordination with Department of Health, Sindh will, prior to developing forecast, review and update the MNCH Very Essential Medicine List (VEML) revised in 2017
- VI. Project team will visit provincial offices of UNICEF, People's Primary Healthcare Initiative (PPHI) and Integrated Health Services (IHS) on June 18, 2019
- VII. As advised by the Health Specialist, UNICEF, the Project technical team will plan a visit to UNICEF and Nutrition warehouse located port Qasim managed by World Food Program (WFP) at an opportune time
- VIII. All stakeholders will share read only access of their MISes with the Project team
- IX. The DHIS enhancements is still work in progress and Project will be coordinating with DHIS team Sindh till the time its updated
- X. Project will coordinate closely with Department of Health, Government of Sindh for all district level interventions.

The meeting ended with the Vote of Thanks





## ANNEXURE – A

S#	Name	Designation	Organization
1	Dr. Zulfiqar Dharejo	Program Director	PPHI
2	Dr. Zaib Dahar	Deputy Director	PPHI
3	Noman Ahmed	Sr. Manager I. T	PPHI
4	Dr. Ghulam Murtaza	DHIS Coordinator	Department of Health
5	Dr. Tasleem Khamisani	MIS GMMMCH Sukkur	Department of Health
6	Dr. Sheeraz Hyder	Field Program Officer	Sindh Lady Health Worker Program
7	Irfan Pirzada	MIS Coordinator	Sindh Lady Health Worker Program
8	Amna Mahmood	Capacity Building Officer	Nutrition Support Program
9	Haris Iqbal	Manager SCWH	IHS
10	Nisar Ahmed	MEAL Manager	IHS
11	Niaz Ali Brohi	Supply Chain Assistant	MERF
12	Dr. Shahzad	Health Service Manager	MERF
13	Dr. Syed Kamal Asghar	Health Specialist	UNICEF
14	Dr. Sajjad	Consultant	UNICEF
15	Zafar Jamil	Program Director	UNICEF-HLMIS Project
16	Dr. Khurram Shahzad	Deputy Country Director, M&E & HRCD	GHSC-PSM project
17	Sardar Iftikhar	Director MIS	GHSC-PSM project
18	Dr. Tanweer Hussain	Supply Chain Team Lead - Sindh	UNICEF-HLMIS Project
19	Saleha Manzoor	Supply Chain Manager	GHSC-PSM project



## ANNEXURE – B

### Inception Meeting UNICEF Health LMIS (HLMIS) Project Strengthening Maternal, Neonatal, and Child Health (MNCH) Supply Chain in Sindh & Punjab

#### AGENDA

Venue: Beach Luxury Hotel, Karachi  
Monday, June 17, 2019

Time	Session	Facilitator
10:00	Registration & Participant Introduction	
10:05	Welcome Remarks	Dr. Syed Kamal Asghar, Health Specialist, UNICEF
10:15	Introduction & Scope of Work of UNICEF HLMIS Project	Mr. Zafar Jamil, Program Director, UNICEF HLMIS Project
10:45	MNCH VEML Forecast – Way Forward	Dr. Khurram Shahzad, Deputy Country Director, M&E, HRCD & FO
11:15	Tea Break	
11:30	MNCH VEML Data Visibility using existing LMIS platform	Mr. Sardar Iftikhar, Director MIS
12:00	Large Group Discussion – Consensus building	Participants/All stakeholders
12:45	Wrap Up and Next Steps	Mr. Zafar Jamil, Program Director, UNICEF HLMIS Project
13:00	Lunch	
14:00	Work on Inception Report	UNICEF HLMIS Project staff

## ANNEX 9: INVITATION & AGENDA OF QRM FOR TWG ON CHILD SURVIVAL

**O/O PROGRAM DIRECTOR  
INTEGRATED REPRODUCTIVE MATERNAL  
NEWBORN & CHILD HEALTH (IRMNCH) &  
NUTRITION PROGRAM, PUNJAB**

5-Montgomery Road, Lahore  
Phone 042-99205325-31 Fax 042-99205329  
E-mail: pc.punjab@gmail.com

**IRMNCH**  
NUTRITION PROGRAM

No. 9412-33/IRMNCH Dated Lahore the 18<sup>th</sup> June, 2019

To

1. Director Health Services (HQ)	2. Director Health Services (EPI) Punjab
3. Add. Program Director (T) PSPU	4. Chief Procurement Cell, P&SH
5. Chief Drug Controller, Punjab	6. Manager Medical Store Depot, Punjab
7. Director Health Services (MIS) Punjab	8. Director Health Services CDC Punjab
9. Head of Department Preventive Paeds Dept FJMU/ SGR Hospital	10. Chairman National Immunization Technical Advisory Group
11. Chairman Department of Pediatrics KEMU Lahore	12. Project Director / Supply Chain Team Lead, UNICEF HLMIS Project
13. Representative, University of Health Sciences	14. Representative of Education Department
15. Representative PHE Department (WASH)	16. Representative Finance Department
17. Representative Social Welfare Department	18. Representative Pakistan Pediatric Association
19. Representative Children Hospital & ICH	20. Representative, UNICEF
21. Head of Office WHO, Punjab	22. Representative, Agha Khan University

**Subject: QUARTERLY MEETING OF TWG FOR CHILD SURVIVAL PUNJAB**

Kindly refer to the subject noted above.

A meeting of Technical Working Group for Child Survival Punjab is scheduled under the chairmanship of **Director General Health Services Punjab** as per following details:-

**Date:** Monday June 24, 2019  
**Time:** 11:30 to 13:30 Hours  
**Venue:** Hotel Avari Lahore  
**Agenda:** Quarterly Review of Child Survival Situation in the Punjab  
 Progress on BMGF-UNICEF Project on Pneumonia and Diarrhea

All the members are requested to kindly make it convenient to attend the meeting in person.  
**(Agenda of meeting Attached)**

**PROGRAM DIRECTOR**  
IRMNCH & Nutrition Program, Punjab

No. \_\_\_\_\_/IRMNCH Dated Lahore the \_\_\_\_\_ June, 2019

Copy forwarded for information and necessary action to:-

1. Secretary to Govt of the Punjab Primary and Secondary Health Care Department
2. Director General Health Services Punjab
3. Mr. Zafar Jamil, *Project Director*, UNICEF HLMIS Project, Islamabad
4. UNICEF Lahore

**PROGRAM DIRECTOR**  
IRMNCH & Nutrition Program, Punjab

**AGENDA**  
**QUARTERLY REVIEW OF CHILD SURVIVAL SITUATION IN THE PUNJAB**  
**PROGRESS ON BMGF-UNICEF PROJECT ON PNEUMONIA AND DIARRHEA**  
**Monday June 24, 2019 at Hotel Avari Lahore**

11:30 am - 11:35 am	Recitation of Holy Quran	
11:35 am - 11:45 am	Introduction of Participants	
11:45 am - 11:55 am	Welcome address	Program Director IRMNCH & Nutrition Program, Punjab
11:55 - 12:10 pm	Pneumonia / Diarrhoea Project Update	Dr. Rana Mushtaq, UNICEF
12:10 - 12:35 pm	Project update on LMIS	Chemonics International Inc.
12:35 pm - 01:00 pm	Mid Term Project Evaluation Plan	Contech International
01:00 pm - 01:20 pm	Discussion	All participants
01:20 pm - 01:30 pm	concluding Remarks	Director General Health Services, Punjab
01:30 pm	Lunch	

# ANNEX 10: EXCEL TOOL FOR MNCH VEML MAPPING FOR SINDH & PUNJAB

## MNCH VEML Mapping for Sindh

#	Generic Drug Name	Form	Strength	DHIS	LHW	CMW	ERP (PPII)
1	Misoprostol	tablets	200 mcg	DHIS		MNCH MIS	ERP
2	Oxytocin	injection	10 IU in 1-ml			MNCH MIS	Oxytocin 5IU/Litre Injection
3	Sodium Chloride	infusion	0.90%			MNCH MIS	Sodium Chloride 0.45% Infusion
4	Sodium Lactate	ringer's lactate infusion	infusion, 1000ml contains calcium chloride 0.2gm; potassium chloride 0.3gm; sodium chloride 6 gm; sodium lactate 3.1gm; sterile water for injection			MNCH MIS	
5	Magnesium Sulphate	injection	500mg/ml	DHIS		MNCH MIS	Magnesium Sulphate 10ml Injection Magnesium Sulphate 2ml Injection
6	Hydralazine (hydrochloride)	injection	powder for injection 20 mg				Hydralazine Tablets
7	Methyldopa	tablet	250 mg				ERP
8	Ampicillin (as sodium salt)	injection	500 mg			MNCH MIS	Ampicillin 125mg/5ml, 60ml Suspension
9	Ceftriaxone	injection	250 mg				
		injection	1 gm				ERP
10	Metronidazole	injection	500 mg in 100-ml	DHIS		MNCH MIS	
11	Gentamycin	injection	40 mg /ml in 2ml				
12		injection	250 mg				
13		injection	500 mg				
14	Amoxicillin	dispersible tablets	125 mg				
15			250 mg	DHIS		MNCH MIS	
16	Dexamethasone(Disodium Phosphate)	injection	4 mg (as disodium salt) in 1-ml	DHIS			

#	Generic Drug Name	Form	Strength	DHIS	LHW	CMW	ERP (PPII)
17	Low Osmolarity Oral Rehydration Salts (ORS)	dry mixture (low osmolality formula) in sachet for 1 liter of solution	each sachet contains glucose anhydrous 13.5gm , trisodium citrate dihydrate 2.9 gm, potassium chloride 1.5gm, sodium chloride 2.6gm B.P.	DHIS	LHW MIS	MNCH MIS	
18	Zinc Sulphate	scored dispersible tablets	20 mg		LHW MIS		
19	Vitamin A	capsules	100,000IU; 200,000IU				
20	Vitamin K1* (phytonadione)	injection	10 mg				
21	Paracetamol	syrup	120 mg / 5 ml	DHIS	LHW MIS		
22		suppository	100 mg				
23	Diazepam*	rectal gel / solution					
24	Chlorhexidine Digluconate (7.1%)	gel	equivalent to 4 % chlorhexidine	DHIS			
25	Dextrose	infusion	10% 500 ml				
26	Ferrous Salt + Folic Acid	tablets	equivalent to 60 mg iron + 400 mcg folic acid	DHIS			
27	Folic Acid					MNCH MIS	
Medicine present but in different dosage and/or form							
Medicine is present							

# MNCH VEMIL Mapping for Punjab

#	Generic Drug Name	Form	Strength	DHIS	LHW	CMW	cLMIS
1	Misoprostol	Tablets	200 mcg	DHIS		MNCH MIS	
2	Oxytocin	Injection	10 IU in 1-ml	DHIS		MNCH MIS	
3	Sodium Chloride	Infusion	0.90%	DHIS		MNCH MIS	
4	Sodium Lactate	Ringer's lactate infusion	Infusion 1000ml	DHIS		MNCH MIS	
5	Magnesium Sulphate	Injection	500mg/ml	DHIS		MNCH MIS	
6	Hydralazine (hydrochloride)	Injection	Powder for injection 20 mg	DHIS			
7	Methyldopa	Tablet	250 mg	DHIS			
8	Ampicillin (as sodium salt)	Injection	500 mg				
9	Ceftriaxone	Injection	250 mg	DHIS			
		Injection	1 gm	DHIS			
10	Metronidazole	Injection	500 mg in 100-ml	DHIS		Tab. Metronidazole 200mg Tab. Metronidazole 400mg	
11	Gentamycin	Injection	40 mg /ml in 2ml	DHIS			
12		Injection	250 mg	DHIS		Cap. Amoxicillin 500mg	
13		Injection	500 mg	DHIS		Cap. Amoxicillin 250mg	
14	Amoxicillin	Dispersible tablets	125 mg	DHIS			
15		Syrup	250 mg	DHIS			
			125mg & 250mg/5ml	DHIS			
16	Dexamethasone (Disodium Phosphate)	Injection	4 mg (as disodium salt) in 1-ml	DHIS			
		Tablet					
17	Low Osmolarity Oral Rehydration Salts (ORS)	Dry mixture (low osmolarity formula) in sachet for 1 liter of solution	each sachet contains glucose anhydrous 13.5gm, trisodium citrate dihydrate 2.9 gm, potassium chloride 1.5gm, sodium chloride 2.6gm B.P.	DHIS	LHW MIS	MNCH MIS	
18	Zinc Sulphate		20 mg	DHIS	LHW-MIS		



#	Generic Drug Name	Form	Strength	DHIS	LHW	CMW	cLMIS
		Scored dispersible tablets					
		Syrup		DHIS			
19	Vitamin A	Capsules	100,000IU; 200,000IU				
20	Vitamin K1* (phytonadione)	Injection	10 mg				
21	Paracetamol	Syrup	120 mg / 5 ml	DHIS	LHW MIS		
22	Diazepam*	Suppository	100 mg		Tab. Paracetamol	Tab. Paracetamol	
		Rectal Gel/Solution					
23	Chlorhexidine Digluconate (7.1%)	Gel	Equivalent to 4 % chlorhexidine	DHIS			
24	Dextrose	Infusion	10% 500 ml				
25	Ferrous Salt + Folic Acid	Tablets	equivalent to 60 mg iron + 400 mcg folic acid	DHIS (iron + folic acid)		Folic Acid Tab (5mg)	
26	Condoms	piece	non-colored, silicone lubricated latex	DHIS	LHW MIS		cLMIS
27	Injectable Contraceptives	injection	medroxyprogesterone acetate - 150 mg/ml in 1 ml vial	DHIS	LHW MIS		cLMIS
28	Oral Contraceptive Pills (COC)	cycle	0.15 mg levonorgestrel + 0.03 mg ethinyl estradiol, 75 mg ferrous fumarate	DHIS	LHW MIS		cLMIS
29	Oral Contraceptive Pills (POP)	tablets	Lynestrenol 500 mcg				cLMIS
30	IUCD with Graduated Inserter	piece	Copper-containing device (TCu380A)	DHIS	LHW MIS		cLMIS
	Medicine present but in different dosage and/or form						
	Medicine is present						

## ANNEX 11: AGENDAS – ORIENTATIONS OF PROJECT STAFF



### Orientation of Punjab Staff UNICEF Health LMIS (HLMIS) Project

#### AGENDA

Venue: Hospitality Inn, Lahore  
Friday, June 14, 2019

Time	Session	Facilitator
09:30 – 09:45	Registration, Introduction & Session objectives	Mr. Nabeel Ahmed, Provincial Supply Chain Team Lead – Punjab, GHSC-PSM project
09:45 – 10:45	Introduction, Scope of Work & Impact of UNICEF HLMIS Project	Mr. Zafar Jamil, Program Director, UNICEF HLMIS Project/
10:45 – 11:15	Scope of Field Operations, Roadmap for implementation of UNICEF LMIS project interventions at District level and Q&A	Ms. Saleha Manzoor, Supply Chain Manager, GHSC-PSM project
11:15 – 11:30	Tea Break	
11:30 – 12:30	Orientation to HR, Operations & Finance policies & procedures	<ul style="list-style-type: none"> <li>Mr. Jahanzeb Khan, Manager HR &amp; Operations, GHSC-PSM project</li> <li>Mr. Hussan Abdi, Finance Manager, GHSC-PSM project</li> <li>Muhammad Ghawas Khan HR Specialist, UNICEF HLMIS Project</li> </ul>
12:30 -13:00	Security update	Mr. Shahzeb Azmat, Project Director, Business Risk Department
13:00	Lunch & Dispersal	

## Orientation of Sindh Staff UNICEF Health LMIS (HLMIS) Project

### AGENDA

Venue: Beach Luxury Hotel, Karachi  
Thu – Fri, June 19-20, 2019

#### DAY – 1: June 19, 2019

Time	Session	Facilitator
09:30 – 09:45	Registration	
09:45 – 10:00	Participant Introduction & Session objectives	Dr. Tanweer Hussain, Supply Chain Team Lead - Sindh, UNICEF HLMIS Project
10:00 – 11:30	Introduction & Scope of Work of UNICEF HLMIS Project	Mr. Zafar Jamil, Program Director, UNICEF HLMIS Project & Ms. Saleha Manzoor, Supply Chain Manager, GHSC-PSM project
	Scope of Field Operations, Roadmap for implementation of UNICEF LMIS project interventions at District level and Q&A	
11:30 – 11:45	Tea Break	
11:45 – 12:15	Security update	Col. Adil Shahzad Khan Country Director, Business Risk Department
12:15 – 13:30	Overview of Financial policies & procedures	Mr. Noman Kifayatullah Deputy Country Director, Operations, Finance & HR
13:30	Lunch	

#### DAY – 2: Jun 20, 2019

Time	Session	Facilitator
09:30 – 09:45	Registration	
09:45 – 11:15	Orientation to Operations & Administrative protocols and procedures	Muhammad Shahid, Admin Manager, UNICEF HLMIS Project
11:15 – 11:30	Tea Break	
11:30 – 12:30	Orientation to HR policies & procedures	Muhammad Ghawas Khan HR Specialist, UNICEF HLMIS Project
12:30	Lunch & Dispersal	

## ANNEX 12: DOH LETTER TO CEOs FOR UNICEF HLMIS PROJECT



TEL: 9201139  
9201140  
FAX: 9201142

**DIRECTOR GENERAL HEALTH-PUNJAB**

24 - COOPER ROAD, LAHORE - 54000

No. 1304 /P.A  
Dated Lahore the 26<sup>th</sup> June, 2019

To,  
Chief Executive Officers (DHA),  
Muzaffargarh, Pakpattan, Bahawalnagar,  
Dera Ghazi Khan, Rahim Yar Khan.

**Subject: Implementation of Health Logistics Management Information System (HLIMS)**

The Primary & Secondary Healthcare Department is implementing prevention and control of Pneumonia & Diarrhea Project since 2016 with the support of UNICEF in five districts i.e. Muzaffargarh, Pakpattan, Bahawalnagar, Dera Ghazi Khan, Rahim Yar Khan. All commodity and capacity building support is being provided by the UNICEF to the health facilities and Lady Health Workers in the afore mentioned districts.

In order to ensure sufficient stock at all tiers of supply chain, Chemonics International has been engaged by the UNICEF to develop Logistics Management Information System. Chemonics has been awarded the contract to develop and deploy HLMIS in your districts. Chemonics has hired Supply Chain Officers (SCO) to support each District Health Authority for implementation of HLMIS in coordination with DC IRMNCH&NP, Statistical Officers / DHIS Coordinators and District Managers PHFMC. These SCOs will be based at the office of DC IRMNCH & NP.

You are requested to accommodate / facilitate Supply Chain Officers for the effective implementation of the project in the best interest of mothers and children of the province.

DIRECTORATE GENERAL HEALTH SERVICES,  
PUNJAB

C.C.

1. PS to Secretary P&SHD
2. Chief Executive Officer PHFMC
3. Project Director IRMNCH&NP
4. Concerned District Managers of PHFMC
5. Dr. Muhammad Tariq, Country Director, USAID GHSC PSM
6. Dr. Rana Muhammad Mushtaq, Health Specialist, UNICEF

## ANNEX 13: LIST OF FACILITIES TO BE VISITED IN PUNJAB & SINDH

### PUNJAB

List of Health Facilities to be visited for Data Collection- 5 Districts of Punjab			
Sr.#	HF Type	District Name	Health Facilities
1	THQ	DG Khan	Kot Chutta
2	RHC		Sarwar Wali
3	RHC		SHAH DAN LUND
4	BHU 24/7		KOT HAIBAT
5	BHU 24/7		Chabri Zarin
6	BHU 24/7		WADOOR
7	BHU 24/7		SAMINA
8	BHU 24/7		KHAKHI
9	BHU 24/7		HAJI GHAZI GHARBI
10	BHU 24/7		Gadai
1	DHQ	Muzaffargarh	DHQ M. Garh
2	THQ		THQ Kot Addu
3	RHC		RHC Rohillan Wali
4	RHC		RHC Gujrat
5	BHU 24/7		BHU Makwal
6	BHU 24/7		BHU Mehmood Kot
7	BHU 24/7		BHU Khan Pur Boga Sher
8	BHU 24/7		BHU Sharif Chajra
9	BHU		BHU Budh
10	BHU		BHU Umar Pur Janobi
1	DHQ	Bahawalnagar	Bhalwalnagar
2	THQ		Haroon Abad
3	RHC		RHC Donga Bonga
4	RHC		RHC Madrassa
5	BHU 24/7		BHU Kot himraj
6	BHU 24/7		BHU Tuba Kalandar Shah
7	BHU 24/7		BHU Noor sher
8	BHU		BHU Kot ahmad Yar
9	BHU		BHU kot Ganga Singh
10	BHU		BHU Kot Khahdom
1	DHQ	Pakpattan	Pakpattan
2	THQ		Arifwala
3	RHC		Malkan Hans
4	RHC		93/D
5	BHU 24/7		BHU 28 SP'
6	BHU 24/7		84/D
7	BHU		11/SP
8	BHU		Yafar Ali Shah
9	BHU		80/D
10	BHU		72/D
1	THQ	Rahim Yar Khan	Sadiqabad
2	RHC		Trinda SWAY Khan
3	RHC		Kot Samaba
4	BHU 24/7		Basti Abdul Karim
5	BHU 24/7		Khair Pur Khadali
6	BHU 24/7		Basti raees ghulam Rasool
7	BHU 24/7		Golmarg
8	BHU		Adam wali
9	BHU		Gulshan Dara
10	BHU		Kachha
Total Facilities: 50			

## SINDH

List of Health Facilities to be visited for Data Collection – 6 Districts of Sindh					
Sr. #	HF Type	Managed by	District Name	Town / Taluka	Health Facilities
1	HOSP	HANDS	Malir (Karachi)	Bin Qasim	SGH Ibrahim Hyderi
2	GRD	DOH		Bin Qasim	Expr Dispensary Gulshan e Hadeed
3	BHU	HANDS		Bin Qasim	BHU Karamda Jokhio
4	RHC	HANDS		Gaddap	RHC Murad Memon Goth
5	BHU	HANDS		Gaddap	BHU Dumba Goth
6	MCH	HANDS		Gaddap	MCH Kathore
7	BHU	DOH		Gaddap	BHU Haji Abdul Kareem Gabol Goth
8	HOSP	DOH		Gaddap	50 Bedded Hospital Goddap City
9	HOSP	DOH		Malir	SGH Saudabad
10	GRD	DOH		Malir	SGD Jaffer Tayyar
1	DHQ	MERF	Thatta	Thatta	DHQ Civil Hospital Thatta
2	BHU	PPHI		Thatta	BHU Chatto Chand
3	GRD	DOH		Thatta	GD Pir Bux Brohi
4	BHU	PPHI		Thatta	BHU Ali Bhar
5	RHC	MERF		Thatta	RHC Jherruck
6	RHC	MERF		Ghora Bari	RHC Vaar
7	GRD	DOH		Ghora Bari	GD Abdullah Kehar
8	RHC	MERF		Keti Bandar	RHC Keti Bundar
9	BHU	PPHI		Keti Bandar	BHU Sajan Wari
10	BHU	PPHI		Mirpur Sakro	BHU Jokhio Village
1	THQ	DOH	Hyderabad	Latifabad	DGH Shah Bhitai
2	THQ	IHS		Latifabad	DGH Hazrat Khadija Hospital Latifabad NO:08
3	BHU	DOH		Latifabad	BHU Latifabad NO:10
4	THQ	DOH		Qasiamabad	DGH Qasimabad
5	BHU	PPHI		Qasiamabad	BHU Sehrish Nagar
6	THQ	IHS		Hyderabad City	DGH Tanga Stand
7	BHU	DOH		Hyderabad City	BHU Liaquat Colony
8	RHC	PPHI		Hyderabad Rural	RHC Husri
9	RHC	PPHI		Hyderabad Rural	RHC Tando Jam
10	GRD	PPHI		Hyderabad Rural	Govt: Dispensary Hussain Khan Thoro
1	Hospital	IHS	Larkana	Ratodero	Naudero Hospital
2	RHC	IHS		Ratodero	RHC Banguldero
3	THQ	IHS		Ratodero	THQ Ratodero
4	THQ	IHS		Dokri	THQ DOKRI
5	THQ	IHS		Bakrani	THQ ARIJA
6	M H	DOH		Bakrani	Maternity home Bakrani
7	MCHC	DOH		Larkana	MCHC Murad wahan
8	MCHC	PPHI		Larkana	MCHC Beero chandio
9	GD	PPHI		Dokri	GD Lal bux
10	BHU	PPHI		Bakrani	BHU Pathan
1	DHQ	DOH	Mirpurkhas	Mirpurkhas	Civil Hospital Mirpurkhas
2	BHU	PPHI		Mirpurkhas	BHU Hameed Pura Colony
3	RHC	IHS		Sindhri	RHC Phulladiyoon
4	MCH	PPHI		HB Mari	MCH Turk Ali Mari
5	THQ	DOH		Kot GM	THQ Kot Ghulam Muhammad
6	RHC	IHS		Digri	RHC Tando Jan Mohd
7	RHC	IHS		Jhudo	RHC Jhudo
8	BHU	PPHI		Jhudo	BHU Kot Mir Jan Muhammad
9	GRD	PPHI		Shujabad	Govt Dispensary Nizamudin
10	MCH	PPHI		Shujabad	MCH Centre Doulat Leghari
1	BHU	PPHI	Ghotki	Ghotki	BHU Qadirpur
2	RHC	PPHI		Ghotki	RHC Adilpur
3	BHU	PPHI		Ghotki	BHU Umer Dahao
4	DHQ	DOH		Mirpur	DHQ Mirpur Mathelo



List of Health Facilities to be visited for Data Collection – 6 Districts of Sindh					
Sr. #	HF Type	Managed by	District Name	Town / Taluka	Health Facilities
5	BHU	PPHI		Mirpur	BHU Ghari Chakar
6	THQ	DOH		Daharki	THQ Daharki
7	BHU	PPHI		Ubaro	BHU Runti
8	BHU	PPHI		Ubaro	BHU Khambra
9	RHC	PPHI		Ubaro	RHC Reti / Jhangal Malik
10	BHU	PPHI		Ubaro	BHU Kamoshahed
Total Facilities: 60					

## ANNEX 14: MEETING AGENDA, FINALIZED DATA COLLECTION TOOLS & QUESTIONNAIRES & LIST OF FACILITIES VISITED IN PUNJAB & SINDH



### Meeting on LMIS/MNCH VEML Forecasting, Data Collection Tools & Questionnaire

#### UNICEF HLMIS Project AGENDA

Venue: Margallah Hall, Marriott Hotel, Islamabad  
Friday, July 5th, 2019

Time	Session	Facilitator
09:00	Registration	
09:30	Welcome Remarks & Participant Introduction	Ms. Saleha Manzoor, Supply Chain Manager
09:45	UNICEF Health LMIS Project update	Mr. Zafar Jamil, Program Director, UNICEF HLMIS Project
10:45	Tea Break	
11:00	MNCH Forecasting Models, Indicators & Process	Dr. Asif Abbas
11:30	Orientation to LMIS	Ijaz Haider Malik Manager MIS UNICEF HLMIS Project
12:30	MNCH VEML Data Collection Tool, Questionnaire & Methodology	Ijaz Haider Malik Manager MIS UNICEF HLMIS Project / Najim ul Hassan M&E Specialist
13:00	Lunch & Prayer Break	
14:00	Discussions	All Participants
15:00	Group Photograph & Dispersal	

**MNCH VEML**  
***District/Facility Level Supply Chain Assessment Tool***  
***For Sindh and Punjab***

A. Basic Information	
Province and District	
Stakeholders /Department	
Type and Name of Facility	
Name of Respondent and Designation	
Cell Number (Email) if Available	
Monitor/SCO (Name and designation)	
Date of Visit	

Please read each question carefully and select the appropriate answer:

B. Management Information System				
S #	Questions	Y	N	Comments / Explanation
1.	a. Is there any MIS system/Mobile Application currently in place for MNCH Services / Logistics reporting at district/health facility level? (Y/N) <i>If yes, please list which system(s) you are currently using:</i>			
	b. Is it paper-based/online/Automated/Excel based?			
	c. Is consolidated data for District or health facilities/ Service Delivery Point's reported regularly into the MIS?			

2.	<p>Is appropriate hardware currently available at District/Facility Level?</p> <ol style="list-style-type: none"> <li>1. Computer</li> <li>2. Laptop</li> <li>3. Tablet</li> <li>4. Internet</li> <li>5. Smartphones</li> <li>6. Others _____</li> </ol> <p>Encircle all available hardware.</p>			<ol style="list-style-type: none"> <li>1. Computer (At District/Facility for DHIS) _____ (Quantity Available)</li> <li>2. Laptop (At District/Facility for DHIS) _____</li> <li>3. Tablet (At HF for online reporting on android Applications ANC, OTP, EVACC) _____</li> <li>4. Internet _____</li> <li>5. Smartphones (At HF for online reporting on android Applications ANC, OTP, EVACC) _____</li> <li>6. Others _____</li> </ol>
3.	<p>Is there any designated staff available at District/Facility Level for reporting?</p> <p>If Yes, please mention the designation of staff</p>			<p>a) _____</p> <p>b) _____</p>
4.	<p>Does current MIS forms/reports track the following information? (Circle All the Relevant fields)</p> <ol style="list-style-type: none"> <li>a. Stock on hand</li> <li>b. Opening balance</li> <li>c. Quantities used/Consumption/issued</li> <li>d. Losses and adjustments (including reasons for any adjustments e.g. product expiry, damage, Loan etc.)</li> <li>e. Quantities received</li> <li>f. Closing balance</li> </ol>			
5.	<p>List any other logistics indicators (<i>in addition to those mentioned above in Q. 4</i>) which the current MIS system is reporting on, if any.</p>			
6.	<p>What is the frequency of reporting on the current MIS system?</p> <ol style="list-style-type: none"> <li>a. Daily/Real Time</li> <li>b. Weekly</li> <li>c. Monthly</li> <li>d. Quarterly</li> </ol>			
7.	<p>What is the total number of Districts/facilities reporting on the current MIS system?</p>			
8.	<p>Does the current MIS system you are using have any of the following features?</p> <ol style="list-style-type: none"> <li>a. Pipeline monitoring</li> <li>b. Online delivery tracking/inventory management</li> </ol>			

	c. Procurement of commodities d. Forecasting and quantification e. Order/requisition component f. System alerts for stockouts, product ordering, product expiry, etc.			
--	--	--	--	--

9. Select which VEML MNCH products and strength are being reported by the current MIS system from the list below:

Sr. #	Generic Drug Name	Form	Strength	Other Strengths (Please Specify)
1	misoprostol	tablets	200 mcg	
2	oxytocin	injection	10 IU in 1-ml	
3	sodium chloride	infusion	0.9 %	
4	sodium lactate	ringer's lactate infusion	infusion, 1000ml contains calcium chloride 0.2gm; potassium chloride 0.3gm; sodium chloride 6 gm; sodium lactate 3.1gm; sterile water for injection	
5	magnesium sulphate	injection	500mg/ml	
6	dinoprostone (prostaglandin E2) <i>[c]</i>	vaginal gel	2 mg	
7	hydralazine* (hydrochloride)	injection	powder for injection 20 mg	
8	methyldopa	tablet	250 mg	
9	ampicillin (as sodium salt)	injection	500 mg	
10	ceftriaxone	injection	250 mg; 1 gm	
11	metronidazole	injection	500 mg in 100-ml	
12	gentamycin	injection	40 mg /ml in 2ml	
13	amoxicillin	injection	250 mg; 500 mg	
		dispersible tablets	125 mg; 250 mg	
14	dexamethasone (disodium phosphate)	injection	4 mg (as disodium salt) in 1-ml	
15	low osmolarity oral rehydration salts	dry mixture (low osmolarity formula) in sachet for 1 liter of solution	each sachet contains glucose anhydrous 13.5gm, trisodium citrate dihydrate 2.9 gm, potassium chloride 1.5gm, sodium chloride 2.6gm B.P.	
16	zinc sulphate	scored dispersible tablets	20 mg	
17	vitamin A	capsules	100,000IU; 200,000IU	
18	vitamin K1* (phytonadione)	injection	10 mg	
19	paracetamol	syrup	120 mg / 5 ml	
		suppository	100 mg	
20	diazepam*	rectal gel / solution		
21	chlorhexidine digluconate (7.1%)	gel	equivalent to 4 % chlorhexidine	
22	dextrose	infusion	10% 500 ml	
23	ferrous salt + folic acid	tablets	equivalent to 60 mg iron + 400 mcg folic acid	
24	Condoms	piece	53mm non-colored, silicone lubricated latex	

Sr. #	Generic Drug Name	Form	Strength	Other Strengths (Please Specify)
25	Injectable contraceptives	injection	Medroxyprogesterone acetate – 150 mg/ml in 1 ml vial	
26	Oral contraceptive pills	cycle	0.15 mg levonorgestrel + 0.03 mg ethinyl estradiol, 75 mg ferrous fumarate	
27	IUCD with graduated inserter	piece	Copper-containing device (TCu380A)	

C. Stock Requisition and Product Supply Cycle		
1.	Describe the existing MNCH product supply flow, along with supply frequency <i>(from approved supplier to provincial warehouse to district warehouse to health facility)</i>	
2.	Describe the existing MNCH product requisition cycle, along with frequency of stock requisition requests <i>(from health facility to district warehouse to provincial warehouse to approved supplier)</i>	
3.	What is the supply chain strategy for determining the demand? a. Push Based b. Pull Based	
4.	On average, approximately how long does it take between ordering/requisitioning and receiving products?	<input type="checkbox"/> Less than 2 weeks <input type="checkbox"/> 2 weeks to 1 month <input type="checkbox"/> Between 1 and 2 months <input type="checkbox"/> More than 2 months
5.	Who determines resupply quantities for District/Facility store? (Select all that apply)	<input type="checkbox"/> The facility itself <input type="checkbox"/> Higher-level facility <input type="checkbox"/> Other (specify)
6.	How are the resupply quantities for District/Facility store determined?	<input type="checkbox"/> Formula (any calculation) <input type="checkbox"/> Don't know <input type="checkbox"/> Other means



7.	Who is responsible for transporting products from Provincial store to the district/Facility? (Select all that apply)	<input type="checkbox"/> Local supplier delivers <input type="checkbox"/> Higher level delivers <input type="checkbox"/> This facility collects <input type="checkbox"/> Other (specify)
----	---	---

D. Monitoring and Evaluation				
S#	Questions	Y	N	Comments / Explanation
1.	Are there any existing MandE systems in place for stock monitoring at district/facility level? Please describe the current system.			
2.	What key indicators are being monitored by the current MandE system, and at which supply chain level?			
3.	Who conducts MandE in the field? List all the relevant staff members			
4.	What is Min level and Max level of stock at district store for below indicators? a. Stock Out b. Under Stock c. Satisfactory d. Over Stock			
5.	What key MNCH indicators should be monitored and reported regularly? (Select all that apply)			<input type="checkbox"/> Stock out rate at SDPs <input type="checkbox"/> Stock according to plan <input type="checkbox"/> SDP reporting rate <input type="checkbox"/> Other (specify)
6.	a. Is there any existing mechanism for regular review of stock data at the district/facility level? b. What key actions have been taken as a result (if any)?			

D. Monitoring and Evaluation				
S#	Questions	Y	N	Comments / Explanation
7.	a. Is any regular stock analysis conducted to identify and rectify understock situations? b. If yes, who conducts the stock analysis and how? What actions are taken to address understock situations?			
8.	Are any system/department alerts generated to alert and mitigate understock or stock out situations?			
9.	Is there any existing mechanism/process for placing emergency orders? If yes, describe how the current process is being conducted.			

E. Do you have any other suggestions/feedback?

Thank you for your feedback

## List of facilities to be visited in Punjab & Sindh

### PUNJAB

List of Health Facilities to be visited for Data Collection- 5 Districts of Punjab			
Sr.#	HF Type	District Name	Health Facilities
1	THQ	DG Khan	Kot Chutta
2	RHC		Sarwar Wali
3	RHC		SHAH DAN LUND
4	BHU 24/7		KOT HAIBAT
5	BHU 24/7		Chabri Zarin
6	BHU 24/7		WADOOR
7	BHU 24/7		SAMINA
8	BHU 24/7		KHAKHI
9	BHU 24/7		HAJI GHAZI GHARBI
10	BHU 24/7		Gadai
1	DHQ	Muzaffargarh	DHQ M. Garh
2	THQ		THQ Kot Addu
3	RHC		RHC Rohillan Wali
4	RHC		RHC Gujrat
5	BHU 24/7		BHU Makwal
6	BHU 24/7		BHU Mehmood Kot
7	BHU 24/7		BHU Khan Pur Boga Sher
8	BHU 24/7		BHU Sharif Chajra
9	BHU		BHU Budh
10	BHU		BHU Umar Pur Janobi
1	DHQ	Bahawalnagar	Bhalwalnagar
2	THQ		Haroon Abad
3	RHC		RHC Donga Bonga
4	RHC		RHC Madrassa
5	BHU 24/7		BHU Kot himraj
6	BHU 24/7		BHU Tuba Kalandar Shah
7	BHU 24/7		BHU Noor sher
8	BHU		BHU Kot ahmad Yar
9	BHU		BHU kot Ganga Singh
10	BHU		BHU Kot Khahdom
1	DHQ	Pakpattan	Pakpattan
2	THQ		Arifwala
3	RHC		Malkan Hans
4	RHC		93/D
5	BHU 24/7		BHU 28 SP'
6	BHU 24/7		84/D
7	BHU		11/SP
8	BHU		Yafar Ali Shah
9	BHU		80/D
10	BHU		72/D
1	THQ	Rahim Yar Khan	Sadiqabad
2	RHC		Trinda SWAY Khan
3	RHC		Kot Samaba
4	BHU 24/7		Basti Abdul Karim
5	BHU 24/7		Khair Pur Khadali
6	BHU 24/7		Basti raees ghulam Rasool
7	BHU 24/7		Golmarg
8	BHU		Adam wali
9	BHU		Gulshan Dara
10	BHU		Kachha
Total Facilities: 50			

List of Health Facilities to be visited for Data Collection – 6 Districts of Sindh					
Sr. #	HF Type	Managed by	District Name	Town / Taluka	Health Facilities
1	HOSP	HANDS	Malir (Karachi)	Bin Qasim	SGH Ibrahim Hyderi
2	GRD	DOH		Bin Qasim	Expr Dispensary Gulshan e Hadeed
3	BHU	HANDS		Bin Qasim	BHU Karamda Jokhio
4	RHC	HANDS		Gaddap	RHC Murad Memon Goth
5	BHU	HANDS		Gaddap	BHU Dumba Goth
6	MCH	HANDS		Gaddap	MCH Kathore
7	BHU	DOH		Gaddap	BHU Haji Abdul Kareem Gabol Goth
8	HOSP	DOH		Gaddap	50 Bedded Hospital Goddap City
9	HOSP	DOH		Malir	SGH Saudabad
10	GRD	DOH		Malir	SGD Jaffer Tayyar
1	DHQ	MERF	Thatta	Thatta	DHQ Civil Hospital Thatta
2	BHU	PPHI		Thatta	BHU Chatto Chand
3	GRD	DOH		Thatta	GD Pir Bux Brohi
4	BHU	PPHI		Thatta	BHU Ali Bhar
5	RHC	MERF		Thatta	RHC Jherruck
6	RHC	MERF		Ghora Bari	RHC Vaar
7	GRD	DOH		Ghora Bari	GD Abdullah Kehar
8	RHC	MERF		Keti Bandar	RHC Keti Bundar
9	BHU	PPHI		Keti Bandar	BHU Sajan Wari
10	BHU	PPHI		Mirpur Sakro	BHU Jokhio Village
1	THQ	DOH	Hyderabad	Latifabad	DGH Shah Bhitai
2	THQ	IHS		Latifabad	DGH Hazrat Khadija Hospital Latifabad NO:08
3	BHU	DOH		Latifabad	BHU Latifabad NO:10
4	THQ	DOH		Qasiamabad	DGH Qasimabad
5	BHU	PPHI		Qasiamabad	BHU Sehrish Nagar
6	THQ	IHS		Hyderabad City	DGH Tanga Stand
7	BHU	DOH		Hyderabad City	BHU Liaquat Colony
8	RHC	PPHI		Hyderabad Rural	RHC Husri
9	RHC	PPHI		Hyderabad Rural	RHC Tando Jam
10	GRD	PPHI		Hyderabad Rural	Govt: Dispensary Hussain Khan Thoro
1	Hospital	IHS	Larkana	Ratodero	Naudero Hospital
2	RHC	IHS		Ratodero	RHC Banguldero
3	THQ	IHS		Ratodero	THQ Ratodero
4	THQ	IHS		Dokri	THQ DOKRI
5	THQ	IHS		Bakrani	THQ ARIJA
6	M H	DOH		Bakrani	Maternity home Bakrani
7	MCHC	DOH		Larkana	MCHC Murad wahan
8	MCHC	PPHI		Larkana	MCHC Beero chandio
9	GD	PPHI		Dokri	GD Lal bux
10	BHU	PPHI		Bakrani	BHU Pathan
1	DHQ	DOH	Mirpurkhas	Mirpurkhas	Civil Hospital Mirpurkhas
2	BHU	PPHI		Mirpurkhas	BHU Hameed Pura Colony
3	RHC	IHS		Sindhri	RHC Phulladiyoon
4	MCH	PPHI		HB Mari	MCH Turk Ali Mari
5	THQ	DOH		Kot GM	THQ Kot Ghulam Muhammad
6	RHC	IHS		Digri	RHC Tando Jan Mohd
7	RHC	IHS		Jhudo	RHC Jhudo
8	BHU	PPHI		Jhudo	BHU Kot Mir Jan Muhammad
9	GRD	PPHI		Shujabad	Govt Dispensary Nizamudin
10	MCH	PPHI		Shujabad	MCH Centre Doulat Leghari
1	BHU	PPHI	Ghotki	Ghotki	BHU Qadirpur
2	RHC	PPHI		Ghotki	RHC Adilpur
3	BHU	PPHI		Ghotki	BHU Umer Dahao
4	DHQ	DOH		Mirpur	DHQ Mirpur Mathelo

List of Health Facilities to be visited for Data Collection – 6 Districts of Sindh					
Sr. #	HF Type	Managed by	District Name	Town / Taluka	Health Facilities
5	BHU	PPHI		Mirpur	BHU Ghari Chakar
6	THQ	DOH		Daharki	THQ Daharki
7	BHU	PPHI		Ubaro	BHU Runti
8	BHU	PPHI		Ubaro	BHU Khambra
9	RHC	PPHI		Ubaro	RHC Reti / Jhangal Malik
10	BHU	PPHI		Ubaro	BHU Kamoshahed
Total Facilities: 60					

## ANNEX 15: LETTERS FROM THE GOVERNMENT FOR PROJECT STAFF PLACEMENT WITHIN GOVERNMENT OFFICES

The Project's provincial and district teams coordinated and followed up with respective provincial and district DOH authorities for allocation of office space for Project staff to be embedded within the departments. The following letters are attached:

1. DGHS Punjab Letter to Chief Executive Officers, District Health Authorities of Muzaffargarh, Pakpattan, Rahim Yar Khan, Bahawalnagar and Dera Ghazi Khan
2. DGHS, Sindh to Divisional Director District Health and DHO's (Hyderabad, Mirpurkhas, Ghotki and Larkana)
3. Confirmation of the provision of office space in the District coordinator IRMNCH & NP Office, Dera Ghazi Khan
4. Confirmation of the provision of office space in the District coordinator IRMNCH & NP Office, Pakpattan
5. Confirmation of the provision of office space in the District coordinator IRMNCH & NP Office, Bahawalnagar
6. Confirmation of the provision of office space in the District coordinator IRMNCH & NP Office, Rahim Yar Khan
7. Confirmation of the provision of office space in the District coordinator IRMNCH & NP Office, Muzaffargarh
8. Confirmation of the provision of office space in the District Health Officer (DHO) office, Ghotki
9. Confirmation of the provision of office space in the District Health Officer (DHO) office, Mirpurkhas
10. Confirmation of the provision of office space in the District Health Officer (DHO) office, Malir, Karachi
11. Confirmation of the provision of office space in the District Health Officer (DHO) office, Hyderabad
12. Confirmation of the provision of office space in the Director General Health Services (DGHS) office, Hyderabad
13. Confirmation of the provision of office space in the District Health Officer (DHO) office, Larkana



1



TEL: 9201139  
9201140  
FAX: 9201142

**DIRECTOR GENERAL HEALTH-PUNJAB**

24 - COOPER ROAD, LAHORE - 54000

No. 1304 /P.A  
Dated Lahore the 26<sup>th</sup> June, 2019

To,  
Chief Executive Officers (DHA),  
Muzaffargarh, Pakpattan, Bahawalnagar,  
Dera Ghazi Khan, Rahim Yar Khan.

**Subject: Implementation of Health Logistics Management Information System (HLIMS)**

The Primary & Secondary Healthcare Department is implementing prevention and control of Pneumonia & Diarrhea Project since 2016 with the support of UNICEF in five districts i.e. Muzaffargarh, Pakpattan, Bahawalnagar, Dera Ghazi Khan, Rahim Yar Khan. All commodity and capacity building support is being provided by the UNICEF to the health facilities and Lady Health Workers in the afore mentioned districts.

In order to ensure sufficient stock at all tiers of supply chain, Chemonics International has been engaged by the UNICEF to develop Logistics Management Information System. Chemonics has been awarded the contract to develop and deploy HLIMS in your districts. Chemonics has hired Supply Chain Officers (SCO) to support each District Health Authority for implementation of HLIMS in coordination with DC IRMNCH&NP, Statistical Officers / DHIS Coordinators and District Managers PHFMC. These SCOs will be based at the office of DC IRMNCH & NP.

You are requested to accommodate / facilitate Supply Chain Officers for the effective implementation of the project in the best interest of mothers and children of the province.

**DIRECTORATE GENERAL HEALTH SERVICES,  
PUNJAB**

**C.C.**

1. PS to Secretary P&SHD
2. Chief Executive Officer PHFMC
3. Project Director IRMNCH&NP
4. Concerned District Managers of PHFMC
5. Dr. Muhammad Tariq, Country Director, USAID GHSC PSM
6. Dr. Rana Muhammad Mushtaq, Health Specialist, UNICEF

Scanned by CamScanner



NO. DGHSS/STENO PH WING (Chemonics)/753-07  
**DIRECTORATE GENERAL**  
**HEALTH SERVICES SINDH**  
 Hyderabad Dated: 11-07-2019  
 email: dghealthsindh@sindhhealth.gov.pk

To,

**The Divisional Director Health Services,**  
 Karachi Division at Karachi.

**The District Health officer,**  
 Hyderabad, Mirpurkhas, Ghotki, Larkana.

**SUBJECT: PROVIDE SPACE OF OFFICE.**

**Reference:** *letter received from Country Director, Chemonics, dated July 1<sup>st</sup>, 2019 (copy attached)*

With the reference quoted above, you are directed to provide the space/ office to the supply chain officer (SCO) of Chemonics in your district to work, based upon geographic proximity (list of the districts attached) for the project of MNCH-I.MIS.

You are further directed to facilitate the team of Chemonics under intimation to this office.

**DR. MASOOD AHMED SOLANGI**  
**DIRECTOR GENERAL**  
**HEALTH SERVICES SINDH @ HYDERABAD**

*Copy forwarded for information:-*

- The Secretary to Government of Sindh, Health department, Karachi
- The Divisional Director Health Services, Hyderabad, Mirpurkhas, Sukkur, Larkana
- The P.S to Minister for Health & Population Welfare Department, Government of Sindh, Karachi.
- Dr. Muhammed Tariq, Country Director, Chemonics, Islamabad
- Dr. Syed Kamal Asghar, Health Specialist, UNICEF, Sindh, Karachi
- Dr. Tanveer Hussain, Supply Chain Team Lead, UNICEF HIMIS Project, Karachi

3



DEPARTMENT OF HEALTH  
DISTRICT COORDINATOR (IRMNCH) PROGRAMME  
(DHDC BUILDING) DERA GHAZI KHAN

Tel: 064-2473727 Fax: 064-9260219 Email: [irmnch.dgkhan@gmail.com](mailto:irmnch.dgkhan@gmail.com)

IRMNCH

NO. 12120 /IRMNCH, dated D.G.Khan the 18/7 /2019

To,

The Director General,  
Health Services, Punjab, Lahore.

Subject:

PROVISION OF SPACE IN THE OFFICE OF DISTRICT COORDINATOR  
IRMNCH & NUTRITION PROGRAM D.G.KHAN.

I have the honor to submit that this office has accommodated to the Supply Chain Officer (SCO) of Chemonics International in the office of undersigned.

This is for your kind information please.

  
DISTRICT COORDINATOR  
(IRMNCH & NUTRITION PROGRAMME  
DERA GHAZI KHAN)

No.

/IRMNCH,

Copy forwarded for information to Mr. Taimoor Rasheed the Supply Chain Officer (SCO) of Chemonics International.

  
DISTRICT COORDINATOR  
(IRMNCH) & NUTRITION PROGRAM  
DERA GHAZI KHAN

4



**OFFICE OF THE  
DISTRICT COORDINATOR**  
INTEGRATED RE-PRODUCTIVE MATERIAL NEWBORN CHILD HEALTH  
& NUTRITION PROGRAM PAKPATTAN.  
Phone:- 0457-352079, 0457-373071, Fax : 0457-371462  
E-mail: dpu.pakpattan@gmail.com  
irmnchpakpattan@gmail.com  
irmchprogrampakpattan@gmail.com



No. 8574 /IRMNCH/Estt Dated 22 1 07 /2019.  
To,

**The Director General Health Services,  
Punjab, Lahore.**

**SUBJECT: - PROVISION OF SPACE IN OFFICE OF THE DC-IRMNCH & NP PAKPATTAN**

I have the honor to submit that this office has accommodated to Mr. Obaid Ur Rab Supply Chain Officer (SCO) of Chemonics International in the office of IRMNCH & NP District Pakpattan.

  
**DISTRICT COORDINATOR**  
IRMNCH & NP Pakpattan

**No. & Date Even**  
Copy forwarded to Mr. Obaid Ur Rab Supply Chain Officer (SCO) of Chemonics International for information.



Scanned with  
CamScanner



5



OFFICE OF THE  
District Coordinator IRMNCH  
& Nutrition Program  
BAHAWALNAGAR  
☎ 063-9240247



No: 2640 /DC IRMNCH/NP/ BWN

Dated 23/7 /2019.

To,

The Director General,  
Health Services, Punjab, Lahore.

Subject: **PROVISION OF SPACE IN THE OFFICE OF THE DISTRICT  
COORDINATOR IRMNCH & NP BAHAWALNAGAR.**

I have the honour to submit that this office has accommodate to  
Mr. Arslan Ahmad, the supply Chain Officer (SCO) of Chemonics  
International in the Office of IRMNCH & NP Bahawalnagar.

*Kheena*  
DISTRICT COORDINATOR  
IRMNCH & NUTRITION PROGRAM  
INCHARGE NPFOR FP & PHC  
23/7/19 BAHAWALNAGAR

Cc to:-

Mr. Arslan Ahmad, the supply chain officer (SCO) of Chemonics  
International.

6



**DISTRICT COORDINATOR  
INTEGRATED REPRODUCTIVE MATERNAL  
NEWBORN & CHILD HEALTH & NUTRITION  
PROGRAM, DISTRICT RAHIMYARKHAN**

**O/O CEO DHA, RAHIMYARKHAN**  
No. IRMNCH/ 9818 /NP, dated Rahimyarkhan the  
Ph # 068-9230112 Fax # 068-9230144 E-mail: dco@rahimyarkhan.gov.pk

23/07/2019.



To

**The Director General  
Health Services, Punjab, Lahore.**

**SUBJECT: PROVISION OF SPACE IN OFFICE OF DISTRICT COORDINATOR  
IRMNCH & NP RAHIMYARKHAN.**

I have the honor to submit that this office has accommodated to the supply chain officer (SCO) of Chemonics international in the office of undersigned.

This is for your kind information please.

  
**District Coordinator  
IRMNCH & Nutrition Program  
Rahimyarkhan**

No. IRMNCH/ 9819 /NP, dated Rahimyarkhan the

23/07/2019.

Copy forwarded for information to Mr. Hamza Akhlaq the supply chain officer (SCO) of Chemonics international.

  
**District Coordinator  
IRMNCH & Nutrition Program  
Rahimyarkhan**





**OFFICE OF THE DISTRICT COORDINATOR  
IRMNCH PROGRAM, MUZAFFARGARH**

IRMNCH CELL OFFICE OF CEO (DHA) MUGARH  
☎ : 066-9200236, 066-9200239 Fax: 066-9200236  
E-mail: mnch.muzaffargarh@gmail.com



To No 2094 /IRMNCH-N Dated: 07-8 /2019

The Director General  
Health Services, Punjab Lahore

Subject: **PROVISION OF SPACE IN THE OFFICE OF THE DISTRICT COORDINATOR  
IRMNCH & N PROGRAM MUZAFFARGARH**

I have the honour to submit that this office has given accommodation to  
Mr. Muhammad Shahid Kaleem, the supply Chain Officer (SCO) of chemonics international in the office  
of IRMNCH-N Program Muzaffargarh

CC:

1. Program Director IRMNCH-N program Punjab Lahore
2. Chief Executive Officer DHA Muzaffargarh
3. District Health Officer (HR) DHA Muzaffargarh
4. Mr. Shahid Kaleem supply Chain Officer
5. Accountant of IRMNCH-N Program Muzaffargarh

District Coordinator  
IRMNCH-N Program  
Muzaffargarh

District Coordinator  
IRMNCH-N Program  
Muzaffargarh

8



Health Department District Ghotki

☎ 952499 &amp; 950003

Email address: vcehealth@pmhl.com

**OFFICE OF THE  
DISTRICT HEALTH OFFICER  
GHOTKI @ MIRPUR MATHELO**

NO. DHO GHK (ADMIN) 7946-48 of 2019Dated: 15 / 07 / 2019**OFFICE ORDER**

In compliance to letter No. DGHSS/STENO PH Wing (Chemonics) / 753/67 dated: 11.07.2019 received from Honourable Director General Health Services Sindh @ Hyderabad, one Room in the premises of office of the District Health Officer Ghotki @ Mirpur Mathelo (old) is hereby allotted to Supply Chain Officer (SCO) of Chemonics for office use only with immediate effect till further orders.

**Copy for information to:-**

- The Secretary, Government of Sindh Health Department Karachi
- The Director General Health Services Sindh @ Hyderabad.
- ✓ Dr. Tanveer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project Karachi.
- The Supply Chain Officer (Chemonics) District Ghotki.

DISTRICT HEALTH OFFICER  
GHOTKI AT MIRPUR MATHELODISTRICT HEALTH OFFICER  
GHOTKI AT MIRPUR MATHELO

DHO/PHK

Posting address: O/o District Health Officer Ghotki @ Mirpur Mathelo, Opposite Civil Court Building Mirpur Mathelo

4/7/19



OFFICE OF THE  
DISTRICT HEALTH OFFICER DISTRICT MIRPURKHAS

Phone No: 0233-9290097-98 & email: dho\_mpk@hotmail.com

No. DHO / MPS / E-II /

7612/13

Dated 16/07/2019

To,

The Director General,  
Health Services Sindh Hyderabad

Subject: PROVIDE SPACE OF OFFICE.

Reference:- Letter No. DGHSS/STENO PH wing (Chemonics) / 1753 / 67 dated 11.07.2019

I have the honour to submit that this office has accommodated to the Supply Chain Officer (SCO) of Chemonics at the office of undersigned.

This is for your kind information.

  
DISTRICT HEALTH OFFICER  
MIRPURKHAS

Copy to Copy to Mr. Bansi Lal Malhi supply chain officer Chemonics International for information.

  
DISTRICT HEALTH OFFICER  
MIRPURKHAS  
DISTRICT HEALTH OFFICER  
MIRPURKHAS

Scanned by CamScanner



**OFFICE OF THE  
DISTRICT HEALTH OFFICER  
DISTRICT MALIR KARACHI.**

E-mail: [dhmalir@gmail.com](mailto:dhmalir@gmail.com)

NO: DHOK/ (MALIR)/-

DATED:- 27/07/2019 3885/88

To:

The Director General  
Health Services, Sindh  
Hyderabad.

**SUBJECT:- PROVISION OF SPACE IN DISTRICT HEALTH OFFICE MALIR  
KARACHI.**

Reference letter No.DGHS/PH Wing (chemonics)/753/67 dated 11/07/2019 and  
letter No.DGHS/PH Wing (chemonics)/5585-5624 dated 24/07/2019

I have the honour to submit herewith that this office has accommodated to  
Mr. Tanveer Baig, Supply Chain Officer and Team Lead of Chemonics International Inc. in  
this office.

**(DR. AHMED ALI MEMON)  
DISTRICT HEALTH OFFICER  
DISTRICT MALIR KARACHI**

Copy submitted for kind information to:-

1. The Secretary to Government of Sindh Health Department Karachi.
2. The Director Health Services Karachi Division Karachi.
3. Dr. Tanveer Hussain Supply Chain Team Lead, UNICEF HLMIS Project Karachi.

**DISTRICT HEALTH OFFICER  
DISTRICT MALIR KARACHI**





**OFFICE OF THE  
DISTRICT HEALTH OFFICER  
HYDERABAD.**

**(E-mail: edohhyd@yahoo.com.**

**Phone No.9200740.**

**No.DHO/HYD/EPD/-**

**Dated: 01/10/2019.**

13623/24

**To,**

The Director General  
Health Services Sindh Hyderabad

**SUBJECT:- PROVIDE SPACE OF OFFICE.**

**Reference: Letter No: DGHSS/STENO PH wing (Chemonics)/1753/67 Dated: 11-07-2019.**

I have the honour to submit that this office has accommodated to the Supply

Chain Officer (SCO) of Chemonics at the office of undersigned.

This is for your kind information.

*/*  
**District Health Officer  
Hyderabad**

**Cc to:**

- Mr Yar Muhammad Supply Chain Officer Chemonics International for Information.

*/*   
**District Health Officer  
Hyderabad**



NO. D.G.H.S. 43695/699  
 DIRECTORATE GENERAL  
 HEALTH SERVICES SINDH  
 Hyderabad Dated 26/08-2019  
 email: dghs@sindh.gov.pk

### **OFFICE ORDER**

Dr. Muntaz Ali Brohi, Coordinator UNICEF-LHMIS Project (Chemonics International Inc.) and other relevant staff of UNICEF-LHMIS Project will share office allotted to GHSC-PSM Project (Chemonics International Inc.) office at 1<sup>st</sup> floor Directorate General Health Services, Sindh, Hyderabad with immediate effect.

**DR. MASOOD AHMED SOLANGI**  
 DIRECTOR GENERAL  
 HEALTH SERVICES SINDH & HYDERABAD

CC:

- The Secretary to Government of Sindh, Government of Sindh, Karachi
- The PS to Minister Health and Population Welfare department, Government of Sindh.
- Dr. Muhammad Farisq, Country Director, GHSC-PSM Project, Chemonics International Inc. Islamabad
- Dr. Muntaz Brohi, Coordinator UNICEF-LHMIS Project, Hyderabad.





GOVERNMENT OF SINDH  
DIRECTORATE GENERAL  
HEALTH SERVICES SINDH  
Hyderabad Dated: 11-07-2019  
email: dghs@sindh.gov.pk

To,

The Divisional Director Health Services,  
Karachi Division at Karachi.

The District Health officer,  
Hyderabad, Mirpurkhas, Ghotki, Larkana.

**SUBJECT: PROVIDE SPACE OF OFFICE.**

**Reference:** letter received from Country Director, Chemonics, dated July 1<sup>st</sup>, 2019 (copy attached)

With the reference quoted above, you are directed to provide the space/ office to the supply chain officer (SCO) of Chemonics in your district to work, based upon geographic proximity (list of the districts attached) for the project of MNCH-ILMIS.

You are further directed to facilitate the team of Chemonics under intimation to this office.

*Dr. Yousaf Ali  
giving office to  
SCO of Chemonics  
in all districts  
for the project  
of MNCH-ILMIS*

**DR. MASOOD AHMED SOLANGI**  
DIRECTOR GENERAL  
HEALTH SERVICES SINDH @ HYDERABAD

Copy forwarded for information: -

- The Secretary to Government of Sindh, Health department, Karachi
- The Divisional Director Health Services, Hyderabad, Mirpurkhas, Sukkur, Larkana
- The P.S to Minister for Health & Population Welfare Department, Government of Sindh, Karachi
- Dr. Muhammed Tariq, Country Director, Chemonics, Islamabad
- Dr. Syed Kamal Asghar, Health Specialist, UNICEF, Sindh, Karachi
- Dr. Tanveer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project, Karachi

*2019  
24/7/19*

## ANNEX 16: FACILITIES VISITED AND LETTERS ISSUED BY THE GOVERNMENT

The Project coordinated with the Government to finalize the list of 110 facilities to be visited for data collection and stakeholder interviews. This annex provides details of the facilities visited and letters issued by the Government to facilitate visits. The following letters are attached:

1. Details of the facilities visited in Sindh and Punjab
2. DGHS, Sindh letter to District Health Officers (29 districts) for cooperation with Project staff for field visits
3. Facilitation letter from the District Health Officer (DHO), Mirpurkhas, for field visits to health facilities for data collection of the MNCH VEML
4. Facilitation letter from the District Health Officer (DHO), Ghotki, for field visits to health facilities for data collection of the MNCH VEML
5. Facilitation letter from the District Health Officer (DHO), Larkana, for field visits to health facilities for data collection of the MNCH VEML
6. Facilitation letter from the District Health Officer (DHO), Hyderabad, for field visits to health facilities for data collection of the MNCH VEML

## List of Health Facilities to be visited for Data Collection – 6 Districts of Sindh

#	Visit Date	HF Type	Managed by	District Name	Town / Taluka	Health Facilities	Responsible Officer
1	17-Jul-19	GRD	DOH	Malir (Karachi)	Bin Qasim	Expr Dispensary Gulshan e Hadeed	Muhammad Yaqoob
2		HOSP	DOH		Malir	SGH Saudabad	Asif Ali
3		GRD	DOH		Malir	SGD Jaffer Tayyar	Tauseef ur Rehman
4	18-Jul-19	BHU	DOH		Gaddap	BHU Haji Abdul Kareem Gabol Goth	Muhammad Yaqoob
5		HOSP	DOH		Gaddap	50 Bedded Hospital Goddap City	Asif Ali
6		HOSP	HANDS		Bin Qasim	SGH Ibrahim Hyderi	Tauseef ur Rehman
7	19-Jul-19	BHU	HANDS		Bin Qasim	BHU Karamda Jokhio	Asif Ali
8		RHC	HANDS		Gaddap	RHC Murad Memon Goth	Tauseef ur Rehman
9		BHU	HANDS		Gaddap	BHU Dumba Goth	Muhammad Yaqoob
10		MCH	HANDS		Gaddap	MCH Kathore	Asif Ali
1	22-Jul-19	DHQ	MERF	Thatta	Thatta	DHQ Civil Hospital Thatta	Yar Muhammad Khan
2		BHU	PPHI		Thatta	BHU Chatto Chand	
3		GRD	DOH		Thatta	GD Pir Bux Brohi	
4	23-Jul-19	BHU	PPHI		Thatta	BHU Ali Bhar	
5		RHC	MERF		Thatta	RHC Jherruck	
6	24-Jul-19	RHC	MERF		Ghora Bari	RHC Vaar	
7		GRD	DOH		Ghora Bari	GD Abdullah Kehar	
8	25-Jul-19	RHC	MERF		Keti Bandar	RHC Keti Bundar	
9		BHU	PPHI		Keti Bandar	BHU Sajan Wari	
10		BHU	PPHI		Mirpur Sakro	BHU Jokhio Village	
1	17-Jul-19	DGH/THQ	DOH	Hyderabad	Latifabad	DGH Shah Bhitai	Yar Muhammad Khan
2		DGH/THQ	IHS		Latifabad	DGH Hazrat Khadija Hospital Latifabad #8	
3		BHU	DOH		Latifabad	BHU Latifabad NO:10	
4	18-Jul-19	RHC	PPHI		Hyderabad Rural	RHC Husri	
5		RHC	PPHI		Hyderabad Rural	RHC Tando Jam	
6		GRD	PPHI		Hyderabad Rural	Government: Dispensary Hussain Khan Thoro	
7	19-Jul-19	DGH/THQ	DOH		Qasiamabad	DGH Qasimabad	
8		BHU	PPHI		Qasiamabad	BHU Sehrish Nagar	
9		DGH/THQ	IHS		Hyderabad City	DGH Tanga Stand	
10		BHU	DOH		Hyderabad City	BHU Liaquat Colony	
1	17-Jul-19	THQ	IHS	Larkana	Dokri	THQ DOKRI	Dr. Yousif Shaikh
2		G.D	PPHI		Dokri	GD Lal bux	
3	18-Jul-19	Hospital	IHS		Ratodero	Naudero Hospital	
4		RHC	IHS		Ratodero	RHC Banguldero	
5		THQ	IHS		Ratodero	THQ Ratodero	
6	19-Jul-19	THQ	IHS		Bakrani	THQ ARIJA	
7		MH	DOH		Bakrani	Maternity home Bakrani	
8		BHU	PPHI		Bakrani	BHU Pathan	
9	22-Jul-19	MCHC	DOH		Larkana	MCHC Murad wahan	
10		MCHC	PPHI		Larkana	MCHC Beero chandio	
1	17-Jul-19	DHQ	DOH	Mirpurkhas	Mirpurkhas	Civil Hospital Mirpurkhas	Bansi Lal Malhi
2		BHU	PPHI		Mirpurkhas	BHU Hameed Pura Colony	
3		MCH	PPHI		HB Mari	MCH Turk Ali Mari	
4	18-Jul-19	RHC	I.H.S		Sindhri	RHC Phulladiyoon	
5		GRD	PPHI		Shujabad	Govt Dispensary Nizamudin	
6		MCH	PPHI		Shujabad	MCH Centre Doulat Leghari	
7	19-Jul-19	THQ	DOH		Kot GM	THQ Kot Ghulam Muhammad	
8		RHC	I.H.S		Digri	RHC Tando Jan Mohd	
9	22-Jul-19	RHC	I.H.S		Jhudo	RHC Jhudo	
10		BHU	PPHI		Jhudo	BHU Kot Mir Jan Muhammad	
11	17-Jul-19	BHU	PPHI	Ghotki	Ghotki	BHU Qadirpur	Altaf Ahmed
12		RHC	PPHI		Ghotki	RHC Adilpur	
13		BHU	PPHI		Ghotki	BHU Umer Dahao	

List of Health Facilities to be visited for Data Collection – 6 Districts of Sindh							
#	Visit Date	HF Type	Managed by	District Name	Town / Taluka	Health Facilities	Responsible Officer
14	19-Jul-19	DHQ	DOH		Mirpur	DHQ Mirpur Mathelo	
15		BHU	PPHI		Mirpur	BHU Ghari Chakar	
16	22-Jul-19	THQ	DOH		Daharki	THQ Daharki	
17		BHU	PPHI		Ubaro	BHU Runti	
18		BHU	PPHI		Ubaro	BHU Khambra	
19	23-Jul-19	RHC	PPHI		Ubaro	RHC Reti / Jhangal Malik	
20		BHU	PPHI		Ubaro	BHU Kamshaheed	

## List of Health Facilities to be visited for Data Collection- 5 Districts of Punjab

#	Visit Date	HF Type	District Name	Health Facilities	Responsible Officer
1	17/7/2019	THQ	DG Khan	Kot Chutta	Taimoor Rasheed
2	16/7/2019	RHC		Sarwar Wali	
3	19/7/2019	RHC		SHAH DAN LUND	
4	07-12-19	BHU 24/7		KOT HAIBAT	
5	07-12-19	BHU 24/7		Chabri Zarin	
6	15/7/2019	BHU 24/7		Yaro Khosa visited instead of (Wadoor)	
7	18/7/2019	BHU 24/7		SAMINA	
8	17/7/2019	BHU 24/7		KHAKHI	
9	18/7/2019	BHU 24/7		HAJI GHAZI GHARBI	
10	16/7/2019	BHU 24/7		Gadai	
1	21/7/2019	DHQ	Muzaffargarh	DHQ M. Garh	Muhammad Shahid Kaleem
2	18/7/2019	THQ		THQ Kot Addu	
3	15/7/2019	RHC		RHC Rohillan Wali	
4	07-11-19	RHC		RHC Gujrat	
5	17/7/2019	BHU		BHU Makwal	
6	20/7/2019	BHU 24/7		BHU Mehmood Kot	
7	07-12-19	BHU 24/7		BHU Khan Pur Boga Sher	
8	07-11-19	BHU 24/7		BHU Sharif Chajra	
9	13/7/2019	BHU		BHU Budh	
10	15/7/2019	BHU		BHU Umar Pur Janobi	
1	15/7/2019	DHQ	Bahawalnagar	Bhalwainagar	Arsalan Ahmed
2	15/7/2019	THQ		Haroon Abad	
3	15/7/2019	RHC		RHC Donga Bonga	
4	18/7/2019	RHC		RHC Madrassa	
5	19/7/2019	BHU 24/7		BHU Kot himraj	
6	17/7/2019	BHU 24/7		BHU Tuba Kalandar Shah	
7	16/7/2019	BHU 24/7		BHU Noor sher	
8	16/7/2019	BHU		BHU Kot ahmad Yar	
9	17/7/2019	BHU		BHU kot Ganga Singh	
10	13/7/2019	BHU		BHU Kot Makhdoom	
1	19/7/2019	DHQ	Pakpattan	Pakpattan	Obaid Ur Rab
2	18/7/2019	THQ		Arifwala	
3	16/7/2019	RHC		Malkan Hans	
4	16/7/2019	RHC		93/D	
5	07-11-19	BHU 24/7		BHU 28 SP'	
6	15/7/2019	BHU 24/7		84/D	
7	17/7/2019	BHU 24/7		11/SP	
8	07-12-19	BHU		Jaffer Ali Shah	
9	07-12-19	BHU		80/D	
10	07-11-19	BHU		72/D	
1	17/7/2019	THQ	Rahim Yar Khan	Sadiqabad	Hamza Akhlaq
2	07-12-19	RHC		Trinda SWAY Khan	
3	07-11-19	RHC		Kot Samaba	
4	17/7/2019	BHU 24/7		Basti Abdul Karim	
5	15/7/2019	BHU 24/7		Khair Pur Khadali	
6	16/7/2019	BHU		Rais Ghulam Rasool	
7	16/7/2019	BHU 24/7		Golmarg	
8	18/7/2019	BHU		Adam wali	
9	16/7/2019	BHU		Gulshan Dara	
10	16/7/2019	BHU		Kachha	
Total Facilities: 50					



NO. DGHSS/PH Wing (chemonics)/5585-5624  
**DIRECTORATE GENERAL  
 HEALTH SERVICES SINDH**  
 Hyderabad Dated: 24-07-2019  
 email: dghealthsindh@sindhhealth.gov.pk

To,

The District Health officer,  
 \_\_\_\_\_ (All)

**SUBJECT: COOPERATION WITH CHEMONICS TEAM**

**Reference:** email received from Chemonics, dated July 1<sup>st</sup>, 2019.

With the reference quoted above, you are advised to fully cooperate with the team of Chemonics. The team will visit your office and you are required to facilitate the team accordingly.

**DR. MASOOD AHMED SOLANGI**  
 DIRECTOR GENERAL  
 HEALTH SERVICES SINDH @ HYDERABAD

*Copy forwarded for information: -*

- The Secretary to Government of Sindh, Health department, Karachi
- The Divisional Director Health Services (All)
- The PS to Minister Health and Population Welfare department, Government of Sindh, Karachi
- Dr. Muhammed Tariq, Country Director, Chemonics, Islamabad
- Dr. Syed Kamal Asghar, Health Specialist, UNICEF Islamabad
- Dr. Tanweer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project, Karachi



3



OFFICE OF THE  
DISTRICT HEALTH OFFICER DISTRICT MIRPURKHAS

Phone No: 0233-9290197-98 & email: edoh\_mpk@hotmail.com

No. DHO / MPS / E-II /-  
To,

Dated 16 / 7 / 2019

764/x

The Civil Surgeon,  
Civil Hospital Mirpurkhas.

The Medical Superintendent  
Taluka Hospital Kot Ghulam Muhammad

The Medical Superintendent  
RHC Tando Jan Muhammad / Phullahdyoon / Jhudo

The Medical Officer,  
I/C BHU Hameed Pura Colony Mirpurkhas/ Kot Mir Jan Muhammad/ MCH  
Center Turk Ali Mari/ Duolat Laghari/ GD Nizamuddin.

Subject: FACILITY ASSESSMENT OF HEALTH FACILITY ON LMIS

Mr. Bansi Lal Malhi supply chain officer Chemonics International will visit your  
Health Facility on any working day for assessment purpose.

You are therefore advised to please facilitate & cooperate with Mr. Bansi Lal  
Malhi in assessment of your Health Facility.

DISTRICT HEALTH OFFICER  
MIRPURKHAS

Cc to:-

The Secretary Government of Sindh Health Department Karachi  
The Director General Health Services Sindh Hyderabad.

✓ Copy to Mr. Bansi Lal Malhi supply chain officer Chemonics international for  
information

  
DISTRICT HEALTH OFFICER  
MIRPURKHAS

DISTRICT HEALTH OFFICER  
MIRPURKHAS

Scanned by CamScanner

4



Email Address: edohealthgtk@gmail.com

**OFFICE OF THE  
DISTRICT HEALTH OFFICER  
GHOTKI @ MIRPUR MATHELO**

☎ 652199 ☎ 650003

NO. DHO GHK (H-R)/

8007/09

Dated:

16-7-

2019

To

The District Manager  
PPHI, Ghotki at Mirpur Mathelo

**SUBJECT: VISIT OF HEALTH FACILITIES FOR DATA COLLECTION OF MNCH VEML**  
Reference letter No. DGHSS/STENO PH (Chemonics) 753-67 dated 11-07-2019

With reference to letter No. quoted above, received from office of the Director General Health Services Sindh at Hyderabad, regarding subjected matter.

Mr. Altaf Ahmed Gujjar SCO is hereby nominate for visit of Health Facilities under your administration control.

Further you are hereby requested to please cooperate with Mr. Altaf Ahmed SCO Chemonics, for data collection of your health facilities regarding MNCH VEML.

**(List of Health Facilities Attached)**

C.c to the:-

- Director General Health Services Sindh at Hyderabad for information
- Dr. Tanveer Hussain, Supply Chain Office Team Lead UNICEF HLMIS Project Karachi, Sindh, for information

DISTRICT HEALTH OFFICER  
GHOTKI AT MIRPUR MATHELO

DISTRICT HEALTH OFFICER  
GHOTKI AT MIRPUR MATHELO

5

TELEPHONE NO: 074-9410711  
 FAX NO: 074-9410723  
 E-Mail: edohlrk@gmail.com  
 NO: DHOL/Estr:- 7513/17

OFFICE OF THE  
 DISTRICT HEALTH OFFICER,  
 LARKANO.

dated 18 July, 2019.

To

- 1) The Senior District Manager,  
 Integrated Health Services (IHS),  
 Larkano.
- 2) The District Manager,  
 PPHI, Larkano.

**SUBJECT: VISIT OF HEALTH FACILITIES FOR DATA COLLECTION OF MNCH VEMI**

**Ref:** Letter No: DGHSS/Steno/PH(Chemonics)753-67 dated 11.07.2019, from the office of the Directorate General, Health Services Sindh Hyderabad.

Dr. Yousif Shaikh, Supply Chain Officer (Chemonics) is hereby nominated for visit of health facilities under your management control.

Further you are hereby requested to please cooperate with above named doctor for data collection of your health facilities regarding MNCH VEMI.

DR. ABDUL RAHMAN BALOCH  
 DISTRICT HEALTH OFFICER  
 LARKANO

Cc to

- The Director General Health Services Sindh Hyderabad.
- Dr. Tanveer Hussain, Supply Chain Officer Team lead UNICEF HLMIS Project Karachi Sindh.
- Dr. Yousif Shaikh, Supply Chain Officer (Chemonics)

DISTRICT HEALTH OFFICER  
 LARKANO

6



**OFFICE OF THE  
DISTRICT HEALTH OFFICER  
HYDERABAD.**

**(E-mail: edohhyd@yahoo.com.)**

**Phone No. 9200740.**

**No. DHO/HYD/EPI/-**

**Dated: 01/10/2019.**

13623/27

To,

The Medical Superintendent / Focal Person (All),  
Incharge Medical Officers (All),  
Incharge Medical Officers PPHI (All),

**SUBJECT:-**

**FACILITY ASSESSMENT OF HEALTH FACILITY ON  
LMIS.**

Mr. Yar Muhammad supply chain officer Chemonics International will  
visit your Health Facility on any working day for assessment purpose.

You are therefore advised to please facilitate & cooperate with  
Mr. Yar Muhammad in assessment of your Health Facility.

  
**District Health Officer  
Hyderabad**

**C.c to:**

- The Secretary Government of Sindh, Health Department Karachi.
- The Director General Health Services Sindh @ Hyderabad.
- Mr Yar Muhammad Supply Chain Officer Chemonis International for Information.

**District Health Officer  
Hyderabad**



## ANNEX 17: LIST OF STAKEHOLDERS INTERACTED

The following lists are included as a part of this annex to substantiate the progress made:

1. List of federal, provincial, and district stakeholders engaged with during consultative meetings
2. List of district stakeholders engaged with during field visits in Sindh
3. List of district stakeholders engaged with during field visits in Punjab

FEDERAL, PROVINCIAL & DISTRICT LEVEL – Consultative meetings			
Sr. #	Officials Interacted	Organization/Department	Province
1.	Director (Technical)	Ministry of National Health Services Regulation and Coordination (MoNHSR&C)	Federal
2.	Research Associate		Federal
3.	Health Specialist	UNICEF Country Office	Federal
4.	Supply & Logistics Officer		Federal
5.	Program Officer		Federal
6.	Director General Health Services	Department of Health, Punjab	Punjab
7.	Director MIS Cell		Punjab
8.	Director EPI		Punjab
9.	Program Officer, MIS Cell		Punjab
10.	Program Director	IRMNCH & Nutrition Program Punjab	Punjab
11.	Senior Consultant		Punjab
12.	Deputy Director		Punjab
13.	Joint Director	Punjab Information Technology Board (PITB)	Punjab
14.	PM		Punjab
15.	Software Developer	Health Information & Service Delivery Unit (HISDU)	Punjab
16.	Software Developer		Punjab
17.	Software Developer		Punjab
18.	Consultant	Punjab Health Facilities Management Company (PHFMC)	Punjab
19.	IT Section		Punjab
20.	UNICEF Punjab	UNICEF Punjab	Punjab
21.	Health Officer		Punjab
22.	Health Specialist	World Health Organization (WHO)	Punjab
23.	NPO		Punjab
24.	Technical Specialist	UNFPA	Punjab
25.	Manager Programs	Pathfinder	Punjab
26.	Evidence & Accountability Advisor	WISH	Punjab
27.	Assistant Director (HE)	Director General Health Services (DGHS) Sindh	Sindh
28.	Director General Health Sindh		Sindh
29.	TSO-PDSRU	Health Department Sindh, Hyderabad	Sindh
30.	Deputy Director (Programs)		Sindh
31.	Assistant Director		Sindh
32.	Assistant Director Health		Sindh
33.	Additional Director Public Health		Sindh
34.	Health Education Officer		Sindh
35.	IT-Incharge		Sindh
36.	Statistical Officer		Sindh
37.	DHIS Coordinator		Sindh
38.	ADD, Sindh LHW Program		Sindh
39.	DHO Hyderabad		Sindh
40.	ADHO		Sindh
41.	PD MNCH		Sindh
42.	Additional Director, TB Control Program		Sindh
43.	Program Manager, P&C Program for Dengue		Sindh

FEDERAL, PROVINCIAL & DISTRICT LEVEL – Consultative meetings			
Sr. #	Officials Interacted	Organization/Department	Province
44.	PM Nutrition Support Program	Department of Health, Sindh	Sindh
45.	Comm. Officer, MNCH Program		Sindh
46.	Senior Health Consultant		Sindh
47.	DHIS Coordinator		Sindh
48.	Additional Director PH Hyderabad		Sindh
49.	Deputy Director RCH Hyderabad		Sindh
50.	Mis Person DHIS Cell DGHSS Hyderabad		Sindh
51.	Director Health Mirpurkhas		Sindh
52.	Health Specialist	UNICEF Sindh	Sindh
53.	NPO-MNCH	World Health Organization (WHO)	Sindh
54.	Health Services Manager Officer	Medical Emergency Resilience Foundation (MERF)	Sindh
55.	Provincial PM MERF		Sindh
56.	Program Director	Sindh Lady Health Worker Program	Sindh
57.	Director DHIS	Directorate General Health Services, KP	KP
58.	Deputy Director	Department of Health, KP	KP
59.	Provincial DHIS Coordinator	Department of Health, Balochistan	Balochistan
60.	Logistics Officer	LHW Program	Balochistan
61.	Program Director	LHW Program	Sindh
62.	Program Manager	MNCH Program	Sindh
63.	MNCH FP Ghotki		Sindh
64.	MNCH FP Larkana		Sindh
65.	Program Manager	Nutrition Support Program, Karachi	Sindh
66.	MNCH Focal Karachi Central	MNCH Program, Karachi	Sindh
67.	MNCH FP Karachi West		Sindh
68.	MNCH FP Karachi South		Sindh
69.	DHO Karachi Korangi	Department of Health	Sindh
70.	DHO Karachi West		Sindh
71.	DHO Malir		Sindh
72.	DHO Ghotki		Sindh
73.	DHO Larkana		Sindh
74.	WMO FP, Sindh Lady Health Worker Program	Health Department Sindh, Hyderabad	Sindh
75.	Gynecologist	Services Hospital, Hyderabad	Sindh
76.	Pediatrician		Sindh
77.	Dermatologist		Sindh
78.	Cardiologist		Sindh
79.	WMO	SG Hospital, Qasimabad	Sindh
80.	WMO	SG Hospital, Paretabad	Sindh
81.	WMO	SG Hospital, Shah Bhittai	Sindh
82.	Gynecologist		Sindh
83.	Medical Officer (MO)	PPHI	Sindh
84.	Store Keeper – RHC Adilpur	PPHI	Sindh
85.	Civil Surgeon	Civil Hospital, Mirpurkhas	Sindh
86.	Monitoring & Evaluation (M&E)	Civil Hospital, Mirpurkhas	Sindh
87.	D.A.A NP LHWs - Ghotki		Sindh
88.	District Health Officer (DHO) - Ghotki	District Health Office, Ghotki	Sindh
89.	District Health Officer (DHO) - Larkana	District Health Office, Larkana	Sindh
90.	District Health Officer (DHO) - Umerkot	District Health Office, Umerkot	Sindh
91.	District Health Officer (DHO) - Ghotki	District Health Office, Ghotki	Sindh
92.	District Manager (DM)	PPHI	Sindh
93.	District Health Officer (DHO)	District Health Office, Hyderabad	Sindh
94.	District Health Officer (DHO)	District Health Office, Mirpurkhas	Sindh
95.	Assistant District Health Officer (ADHO)		Sindh



FEDERAL, PROVINCIAL & DISTRICT LEVEL – Consultative meetings			
Sr. #	Officials Interacted	Organization/Department	Province
96.	Incharge Director Health MIS (DHMIS)	DHMIS	Sindh
97.	MS RHC	RHC	Sindh
98.	Incharge Store Keeper RHC	RHC	Sindh
99.	AMS - Ghotki	District Health Office, Ghotki	Sindh
100.	WMO - Ghotki		Sindh
101.	Store Keeper		Sindh
102.	Medical Officer	Sindh Government Dispensary	Sindh
103.	Medical Officer	Benazir Bhutto Dispensary, Karachi	Sindh
104.	Medical Officer	Basic Health Unit (BHU), Karachi	Sindh
105.	Medical Officer - BHU	PPHI	Sindh
106.	CEO (Health) - Bahawalnagar		Punjab
107.	CEO (Health) - Pakpattan		Punjab
108.	District Health Officer (DHO-MS)	District Health Office, Dera Ghazi Khan	Punjab
109.	CEO (Health) - Muzaffargarh		Punjab
110.	DHA Officers & Officials – Dera Ghazi Khan	District Health Office, Dera Ghazi Khan	Punjab
111.	District Coordinator, Pakpattan – IRMNCH & NP	Health Department Punjab	Punjab
112.	District Coordinator, DG Khan - IRMNCH		Punjab
113.	District Coordinator, RY Khan - IRMNCH		Punjab
114.	District Coordinator, Pakpattan - IRMNCH		Punjab
115.	District Coordinator, Bahawalnagar- IRMNCH		Punjab
116.	District Coordinator, Muzaffargarh - IRMNCH		Punjab
117.	DSM - Pakpattan		Punjab
118.	DSM - Dera Ghazi Khan		Punjab
119.	DSM - Rahim Yar Khan		Punjab
120.	MSEEO, Pakpattan - IRMNCH		Punjab
121.	DSC		Punjab

# DISTRICT LEVEL – SINDH – FIELD VISITS

#	Name of Official	Designation	HF Name	Stakeholder	Town/Taluka	District
1.	Dr. Syed Muhammad Saleem	Medical Superintendent	SGH Shah Bhitaai	DoH	Latifabad	Hyderabad
2.	Dr. Muhammad Ayaz Riaz	Senior Medical Officer	BHU Latifabad 10	DoH	Latifabad	Hyderabad
3.	Mr. Muhammad Raza	Admin and Finance Officer	SGH Hazrat Khadija Hospital Latifabad # 8	IHS	Latifabad	Hyderabad
4.	Dr. Irfan Ashraf	Medical Superintendent	SGH Qasimabad	DoH	Qasimabad	Hyderabad
5.	Dr. Faheem Memon	Senior Medical Officer	BHU Sehrish Nagar	PPHI	Qasimabad	Hyderabad
6.	Dr. Riaz Ur Rehman	Senior Medical Officer	DGH Tanga Stand	IHS	City Hyderabad	Hyderabad
7.	Dr. Kewal Das	Medical Officer	GD Hussain Khan Thora	PPHI	Rural Hyderabad	Hyderabad
8.	Dr. Fayaz Hussain Junejo	Medical Superintendent	RHC Husri	PPHI	Rural Hyderabad	Hyderabad
9.	Dr. Muneer Ahmed	Medical Superintendent	RHC Tando Jam	PPHI	Rural Hyderabad	Hyderabad
10.	Mr. Naveed Khan	Incharge Store	BHU Liaquat Coloney	DoH	City Hyderabad	Hyderabad
11.	Dr. Rasheed Umar	Medical Superintendent	RHC Banguldero	IHS	Ratodero	Larkano
12.	Mr. Wali Muhammad	Store Keeper	RHC Banguldero	IHS	Ratodero	Larkano
13.	Dr. Sikander Ali	Medical Superintendent	RHC Garhi Khudabux	IHS	Ratodero	Larkano
14.	Mr. Saifullah Korejo	Store Keeper	RHC Garhi khudabux	IHS	Ratodero	Larkano
15.	Dr. Gul Mohammad	Medical Superintendent	Naudero Hospital	IHS	Ratodero	Larkano
16.	Mr. Zameer Hussain	Store Keeper	Naudero Hospital	IHS	Ratodero	Larkano
17.	Dr. Nisar Kandhro	Incharge BHU	BHU Pathan	PPHI	Bakrani	Larkano
18.	Mr. Muzammil	Store Keeper	BHU Pathan	PPHI	Bakrani	Larkano
19.	Dr. Riaz Abro	Medical Officer	THQ Dokri	IHS	Dokri	Larkano
20.	Mr. Barkat Ali	Store Keeper	THQ Dokri	IHS	Dokri	Larkano
21.	Dr. Sami	Senior Medical Officer	MH Bakrani	DOH	Bakrani	Larkano
22.	Dr. Sami	Store In charge	MH Bakrani	DOH	Bakrani	Larkano
23.	Dr. Muzaffar Ali	Medical Officer	MCHC Beero ch	PPHI	Larkana	Larkano
24.	Mr. Jameel	Store Keeper	MCHC Beero ch	PPHI	Larkana	Larkano
25.	Dr. Abdullah Arijia	Medical Officer	THQ Arijia	IHS	Larkano	Larkano
26.	Mr. Ayaz Ali	Store Keeper	THQ Arijia	IHS	Larkano	Larkano
27.	Dr. Rakesh	Medical Officer	MCHC Shahbad	PPHI	Larkana	Larkano
28.	Mr. Amjad Hussain	Store Keeper	MCHC Shahbad	PPHI	Larkano	Larkano
29.	Dr. Ramesh	Medical Superintendent	THQ Ratodero	IHS	Ratodero	Larkano
30.	Mr. Jabir	Store Keeper	THQ Ratodero	IHS	Ratodero	Larkano
31.	Dr. Nasir Mehmood	Facility Incharge	GD Jaffar Tayyar	DOH	Malir	Malir
32.	Dr. Mehmood Ahmed	Facility Incharge	Exp. Dispensary Gulshan Hadeed	HANDS	Bin Qasim	Malir
33.	Mr. Amjad Waqas	Store Incharge	Exp. Dispensary Gulshan Hadeed	HANDS	Bin Qasim	Malir
34.	Dr. Agha Jameel	Facility Incharge	BHU Dumba Goth	HANDS	Gadap	Malir
35.	Mr. Nasrullah Palari	Store Incharge	BHU Dumba Goth	HANDS	Gadap	Malir
36.	Dr. Ghulam Farooque Chandio	Facility Incharge	BHU Karamdad Jokhio	HANDS	Bin Qasim	Malir
37.	Mr. Abdul Ghafoor	Store Incharge	BHU Karamdad Jokhio	HANDS	Bin Qasim	Malir
38.	Dr. Rizwan	MO-Incharge	GD Abdul Hakeem Gabol Goth	HANDS	Gadap	Malir
39.	Mr. Saeed	Store Incharge	GD Abdul Hakeem Gabol Goth	HANDS	Gadap	Malir

DISTRICT LEVEL – SINDH – FIELD VISITS						
#	Name of Official	Designation	HF Name	Stakeholder	Town/Taluka	District
40.	Dr. Manzoor Hussain	Facility Incharge	MCH Ghaghar	HANDS	Bin Qasim	Malir
41.	Dr. Ansa Sahar	WMO	MCH Ghaghar	HANDS	Bin Qasim	Malir
42.	Dr. Bakhtawar	WMO	MCH Ghaghar	HANDS	Bin Qasim	Malir
43.	Dr. Almas Rahim Baloch	Facility Incharge	MCH Kathore	HANDS	Gadap	Malir
44.	Dr. Altaf	MO-Incharge	50-Bedded Govt Hospital	DOH	Gadap	Malir
45.	Dr. Muhammad Akbar Abbasi	Facility Incharge	BHU Hyderwah	HANDS	Gadap	Malir
46.	Mr. Muhammad Asif	Store Incharge	BHU Hyderwah	HANDS	Gadap	Malir
47.	Dr. Muhammad Jawaid Shaikh	Facility Incharge	RHC Murad Memon Goth	HANDS	Gadap	Malir
48.	Dr. Sultan Ahmed	MS	SGH Ibrahim Hyderi	HANDS	Bin Qasim	Malir
49.	Dr. Jamil Khan	Clinical MS	SGH Ibrahim Hyderi	HANDS	Bin Qasim	Malir
50.	Dr. Muhammad Khattai	AMS	SGH Ibrahim Hyderi	HANDS	Bin Qasim	Malir
51.	Dr. Abdul Ghafoor Talpur	District Health Officer	District Health Office	DOH	Mirpurkhas	Mirpurkhas
52.	Dr. Jethanand Khatri	ADHO & Incharge DHMIS	District Health Office	DOH	Mirpurkhas	Mirpurkhas
53.	Dr. Abdul Wahid Khaskheli	Civil Surgeon	Civil Hospital Mirpurkhas	DOH	Mirpurkhas	Mirpurkhas
54.	Dr. Sajjan Rahemnoon	M&E	Civil Hospital Mirpurkhas	DOH	Mirpurkhas	Mirpurkhas
55.	Dr. Pirbhat Gir	AMS	THQ Kot Ghulam Muhammad	DOH	Mirpurkhas	Mirpurkhas
56.	Sikander Ali	Store Keeper	THQ Kot Ghulam Muhammad	DOH	Mirpurkhas	Mirpurkhas
57.	Dr. Idrees Soomro	Medical Officer	BHU Hameed Pura	PPHI	Mirpurkhas	Mirpurkhas
58.	Dr. Maherbi Marri	WMO	MCH Center Turk Ali Marri	PPHI	Mirpurkhas	Mirpurkhas
59.	Rubina Nizam	LHV	MCH Center Turk Ali Marri	PPHI	Mirpurkhas	Mirpurkhas
60.	Raheem Bux	Store Keeper	MCH Center Turk Ali Marri	PPHI	Mirpurkhas	Mirpurkhas
61.	Dr. Zaib un Nissa	WMO	MCH Center Doulat Abad	PPHI	Mirpurkhas	Mirpurkhas
62.	Shumalla	LHV	MCH Center Doulat Abad	PPHI	Mirpurkhas	Mirpurkhas
63.	Abdul Jabbar	Store Keeper	MCH Center Doulat Abad	PPHI	Mirpurkhas	Mirpurkhas
64.	Dr. Ramchand Lohana	Medical Officer	BHU Kot Mir Jan Muhammad	PPHI	Mirpurkhas	Mirpurkhas
65.	Dr. Mir Imran Talpur	MS	RHC Jhudo	PPHI	Mirpurkhas	Mirpurkhas
66.	Muhammad Awais	Store Keeper	RHC Jhudo	PPHI	Mirpurkhas	Mirpurkhas
67.	Dr. Siddique Saand	MS	RHC Tando Jan	PPHI	Mirpurkhas	Mirpurkhas
68.	Muhammad Parkash	Store Keeper	RHC Tando Jan	PPHI	Mirpurkhas	Mirpurkhas
69.	Dr. Zahid Hussain Laghari	Medical Officer	GD Nizam Ud Din	PPHI	Mirpurkhas	Mirpurkhas
70.	Mukesh Kumar	Store Keeper	GD Nizam Ud Din	PPHI	Mirpurkhas	Mirpurkhas
71.	Dr. Rasheed Ahmed	MS	RHC Phuladioon	PPHI	Mirpurkhas	Mirpurkhas
72.	Dr. Amar Lal	Medical Officer	BHU Qadirpur	PPHI	Ghotki	Ghotki
73.	Mr. Ayaz Ahmed	Store Keeper	BHU Qadirpur	PPHI	Ghotki	Ghotki
74.	Dr. Abdul Ghaffar	MS	RHC Adilpur	PPHI	Ghotki	Ghotki
75.	Mr. Amar Das	Store Keeper	RHC Adilpur	PPHI	Ghotki	Ghotki
76.	Dr. Muhammad Ali	Medical Officer	BHU Umer Daho	PPHI	Ghotki	Ghotki
77.	Mr. Abdul Rasheed	Store Keeper	BHU Umer Daho	PPHI	Ghotki	Ghotki
78.	Dr. Kishan Lal	Incharge MCHC	MCHC Mirpur	PPHI	Mirpur	Ghotki

DISTRICT LEVEL – SINDH – FIELD VISITS						
#	Name of Official	Designation	HF Name	Stakeholder	Town/Taluka	District
79.	Mr. Sikandar Ali	Store Keeper	MCHC Mirpur	PPHI	Mirpur	Ghotki
80.	Dr. Abdul Latif	Medical Officer	BHU Ghari Chakar	PPHI	Mirpur	Ghotki
81.	Mr. Amjad Ali Somro	Store Keeper	BHU Ghari Chakar	PPHI	Mirpur	Ghotki
82.	Dr. Ghulam Rasool	AMS	THQ Daharki	DOH	Daharki	Ghotki
83.	Mr. Allah Wasayo	Store Keeper	THQ Daharki	DOH	Daharki	Ghotki
84.	Dr. Muhammad Ali	Medical Officer	BHU Rounti	PPHI	Ubaro	Ghotki
85.	Mr. Nadeem Ahmed	Store Keeper	BHU Rounti	PPHI	Ubaro	Ghotki
86.	Dr. Muhammad Nadim	Medical Officer	BHU Khambra	PPHI	Ubaro	Ghotki
87.	Mr. Sarfraz Ahmed	Store Keeper	BHU Khambra	PPHI	Ubaro	Ghotki
88.	Dr. Nazir Ahmed	Medical Officer	RHC Reti	PPHI	Ubaro	Ghotki
89.	Mr. Muhammad Hanif	Store Keeper	RHC Reti	PPHI	Ubaro	Ghotki
90.	Dr. Mansoor	Medical Officer	BHU K. Shaheed	PPHI	Ubaro	Ghotki
91.	Mr. Abdul Qadir	Store Keeper	BHU K. Shaheed	PPHI	Ubaro	Ghotki

# DISTRICT LEVEL – PUNJAB – FIELD VISITS

#	Name of Official	Designation	HF Name	Stakeholder	District
1.	Dr. Khalid Hussain	District Coordinator	IRMNCH & NP	IRMNCH	Bahawalnagar
2.	M. Khurshid	Store Keeper	IRMNCH & NP	IRMNCH	Bahawalnagar
3.	Mr. Rashid Saeed	District Store Keeper	CEO Office	DOH	Bahawalnagar
4.	Mr. Badar Munir	Computer Operator	CEO Office	DOH	Bahawalnagar
5.	Ms. Sehrish Nadeem	Pharmacy Incharge	DHQ Bahawalnagar	DOH	Bahawalnagar
6.	Ms. Khadija Majeed	Hospital Drug Inspector	DHQ Bahawalnagar	DOH	Bahawalnagar
7.	Mr. Muhammad Adnan Saeed	Store Keeper	DHQ Bahawalnagar	DOH	Bahawalnagar
8.	Mr. Muhammad Arslan Aslam	Logistics Officer	DHQ Bahawalnagar	DOH	Bahawalnagar
9.	Muhammad Farooq	Computer Operator	DHQ Bahawalnagar	DOH	Bahawalnagar
10.	Dr. Muhammad Anwer	DMS / Hospital Pharmacist	THQ Haroonabad	DOH	Bahawalnagar
11.	Mr. Muhammad Farooq	Medicine Store Keeper	THQ Haroonabad	DOH	Bahawalnagar
12.	Dr. Zulfiqar Ali	APMO	RHC Dunga Bunga	DOH	Bahawalnagar
13.	Mr. Ali Hussain	Store Keeper	RHC Dunga Bunga	DOH	Bahawalnagar
14.	Mr. Hafiz Mazhar Iqbal	Computer Operator	RHC Dunga Bunga	DOH	Bahawalnagar
15.	Dr. Rana Shamshad	APMO	RHC Madrissa	DOH	Bahawalnagar
16.	Khalid Mehmood	Store Keeper	RHC Madrissa	DOH	Bahawalnagar
17.	Tasneem Arshad	LHV	RHC Madrissa	DOH	Bahawalnagar
18.	Muhammad Ahsan	Junior Clerk	RHC Madrissa	DOH	Bahawalnagar
19.	Dr. Ambreen Yousaf	MO	BHU Kot Hemraj	DOH	Bahawalnagar
20.	Muhammad Rashid	Store Keeper	BHU Kot Hemraj	DOH	Bahawalnagar
21.	Abdul Rauf	Health Technician	BHU Kot Hemraj	DOH	Bahawalnagar
22.	Dr. Rabia Basharat	MO	BHU Noor Sar	DOH	Bahawalnagar
23.	Muhammad Umar	Store Keeper	BHU Noor Sar	DOH	Bahawalnagar
24.	Dr. Tabinda Shahid	MO	BHU Toba Qalandar Shah	DOH	Bahawalnagar
25.	Bakhtiar Ahmed	Store Keeper	BHU Toba Qalandar Shah	DOH	Bahawalnagar
26.	Shabina Perveen	MW	BHU Toba Qalandar Shah	DOH	Bahawalnagar
27.	Aqib	Storekeeper	District Health Facility RY Khan	DOH	Rahim Yar Khan
28.	Irfan	DHIS	District Health Facility RY Khan	DOH	Rahim Yar Khan
29.	Jam Akber	MTPTS	District Health Facility RY Khan	DOH	Rahim Yar Khan
30.	Dr. Bilal	Pharmacist	THQ Sadiqabad	DOH	Rahim Yar Khan
31.	Junaid	IT Incharge	THQ Sadiqabad	DOH	Rahim Yar Khan
32.	Dr. Shahid	MO	RHC Kot Samba	DOH	Rahim Yar Khan
33.	Javed	Storekeeper	RHC Kot Samba	DOH	Rahim Yar Khan
34.	Dr. Irfan	MO	RHC Trinda	DOH	Rahim Yar Khan
35.	M. Akhter	Storekeeper	RHC Trinda	DOH	Rahim Yar Khan
36.	Dr. Usman	MO Transferred	BHU Khairpur Khadali (24/7)	DOH	Rahim Yar Khan
37.	Qammer	Storekeeper	BHU Khairpur Khadali (24/7)	DOH	Rahim Yar Khan
38.	Dr. Ather Nazeer	MO	BHU Gulmarg	DOH	Rahim Yar Khan
39.	Amjad Sb	Storekeeper	BHU Gulmarg	DOH	Rahim Yar Khan

DISTRICT LEVEL – PUNJAB – FIELD VISITS					
#	Name of Official	Designation	HF Name	Stakeholder	District
40.	Ms. Nafees	LHV	BHU Basti Abdul Karim	DOH	Rahim Yar Khan
41.	Ahmad Ali	Storekeeper	BHU Basti Abdul Karim	DOH	Rahim Yar Khan
42.	Dr. Marium	WMO	BHU Gulshan Dara	DOH	Rahim Yar Khan
43.	M. Akhter	Storekeeper	BHU Gulshan Dara	DOH	Rahim Yar Khan
44.	Dr. Khalid Hussain	MO	BHU Kachha	DOH	Rahim Yar Khan
45.	Ijaz Ahmad	Storekeeper	BHU Kachha	DOH	Rahim Yar Khan
46.	Dr. Erum	WMO	BHU Basti Rais Ghulam Rasool	DOH	Rahim Yar Khan
47.	Munawer Hussain	Storekeeper	BHU Basti Rais Ghulam Rasool	DOH	Rahim Yar Khan
48.	M. Yaseen	MT	BHU Adam Wali	DOH	Rahim Yar Khan
49.	Riaz Ahmad	Storekeeper	BHU Adam Wali	DOH	Rahim Yar Khan
50.	Kishwar Sultana	CMW	DHQ Pakpattan	IRMNCH, CEO (H), MSD	Pakpattan
51.	Tariq Mehmood	Pharmacist	DHQ Pakpattan	IRMNCH, CEO (H), MSD	Pakpattan
52.	Naheed Kousar	LHS	THQ Arif Wala	IRMNCH, CEO (H)	Pakpattan
53.	Farheen Zahoor	Pharmacist	THQ Arif Wala	IRMNCH, CEO (H)	Pakpattan
54.	Farhana Rani	LHV	THQ Arif Wala	IRMNCH, CEO (H)	Pakpattan
55.	Dr. Muhammad Ali	LHV	RHC Malkha Hans	PHFMC, IRMNCH, CEO (H)	Pakpattan
56.	Nadia Khalil	LHV	RHC Malkha Hans	PHFMC, IRMNCH, CEO (H)	Pakpattan
57.	M. Mushtaq Ahmed	Store Keeper	RHC Malkha Hans	PHFMC, IRMNCH, CEO (H)	Pakpattan
58.	Dr. Mujeeb	LHV	RHC – 93 D	PHFMC, IRMNCH, CEO (H)	Pakpattan
59.	Farzana Faiz	LHV	RHC – 93 D	PHFMC, IRMNCH, CEO (H)	Pakpattan
60.	Faisal Nadeem	Storekeeper	RHC – 93 D	PHFMC, IRMNCH, CEO (H)	Pakpattan
61.	Dr. Kashif Hussain	LHV	BHU 24/7 – 84/SP	PHFMC, IRMNCH, CEO (H)	Pakpattan
62.	Sadia Tahir	LHV	BHU 24/7 – 84/SP	PHFMC, IRMNCH, CEO (H)	Pakpattan
63.	Farrukh Sohail	Dispenser	BHU 24/7 – 84/SP	PHFMC, IRMNCH, CEO (H)	Pakpattan
64.	Dr. Mugheera Ikram	LHV	BHU 24/7 – 84/D	PHFMC, IRMNCH, CEO (H)	Pakpattan
65.	Robina	LHV	BHU 24/7 – 84/D	PHFMC, IRMNCH, CEO (H)	Pakpattan
66.	M. Suhaib Ali	Dispenser	BHU 24/7 – 84/D	PHFMC, IRMNCH, CEO (H)	Pakpattan
67.	Dr. Ayesha	LHV	BHU 24/7 – 11/SP	PHFMC, IRMNCH, CEO (H)	Pakpattan
68.	Maimoona Afshan	LHV	BHU 24/7 – 11/SP	PHFMC, IRMNCH, CEO (H)	Pakpattan
69.	Azhar Farid	Dispenser	BHU 24/7 – 11/SP	PHFMC, IRMNCH, CEO (H)	Pakpattan
70.	Dr. Ghulam Qadir	CMW	BHU – 80/D	PHFMC, CEO (H)	Pakpattan
71.	Hameeda	CMW	BHU – 80/D	PHFMC, CEO (H)	Pakpattan
72.	Allah Nawaz	Dispenser	BHU – 80/D	PHFMC, CEO (H)	Pakpattan
73.	Dr. Ghulam Mustafa	LHV	BHU – 72/D	PHFMC, CEO (H)	Pakpattan
74.	Zahida Parveen	LHV	BHU – 72/D	PHFMC, CEO (H)	Pakpattan
75.	Qudsia Bano	Pharmacy Manager	DHQ Muzaffargarh	DOH/MSD, CEO DHA, DG Health	Muzaffargarh
76.	Saad Waqas	Store Officer/Pharmacist	THQ Kot Addu	DOH, CEO DHA, IRMNCH	Muzaffargarh
77.	Sahiba Alia	Pharmacy Manager	THQ Kot Addu	DOH, CEO DHA, IRMNCH	Muzaffargarh
78.	Dr. Hafiz Amman Ullah	SMO	RHC Rohlanwali	DOH, CEO DHA, IRMNCH	Muzaffargarh



DISTRICT LEVEL – PUNJAB – FIELD VISITS					
#	Name of Official	Designation	HF Name	Stakeholder	District
79.	Abdul Samad	Dispenser/Store Keeper	RHC Rohlanwali	DOH, CEO DHA, IRMNCH	Muzaffargarh
80.	Dr. Ali Qureshi	SMO	RHC Gujrat	DOH, CEO DHA, IRMNCH & Private Donors	Muzaffargarh
81.	Mulazim Hussein	Dispenser/Store Keeper	RHC Gujrat	DOH, CEO DHA, IRMNCH & Private Donors	Muzaffargarh
82.	Dr. Imtiaz Ahmed	MO	BHU 24/7 – Khan Pur Baga Sheer	DOH, CEO DHA, IRMNCH	Muzaffargarh
83.	Muhammad Yaqub	Dispenser/Store Keeper	BHU 24/7 – Khan Pur Baga Sheer	DOH, CEO DHA, IRMNCH	Muzaffargarh
84.	Dr. Shoaib Iqbal	MO	BHU 24/7 – Sharif Cajhra	DOH, CEO DHA, IRMNCH	Muzaffargarh
85.	Rabnawaz	Dispenser/Store Keeper	BHU 24/7 – Sharif Cajhra	DOH, CEO DHA, IRMNCH	Muzaffargarh
86.	Dr. Shoukat Sohail	MO/Store Keeper	BHU Makwal	DOH, CEO DHA, IRMNCH	Muzaffargarh
87.	Anisa Mumtaz	Midwife	BHU Makwal	DOH, CEO DHA, IRMNCH	Muzaffargarh
88.	Dr. Taimoor Gul	MO	BHU Umar Pur Janobi	DOH, CEO DHA, IRMNCH	Muzaffargarh
89.	Tanvir Ashiq	Dispenser/Store Keeper	BHU Umar Pur Janobi	DOH, CEO DHA, IRMNCH	Muzaffargarh
90.	Manzoor Ul Hassan Abid	Dispenser/Store Keeper	District Store	DOH-MSD & CEO DHA	Muzaffargarh
91.	Dr. Saeed Ahmed	DHO-MS	DHA Office DG Khan	MSD-DGHS	Dera Ghazi Khan
92.	Basheer Ahmed	Store Keeper	DHA Office DG Khan	MSD-DGHS	Dera Ghazi Khan
93.	Babar	Statistical Officer	DHA Office DG Khan	MSD-DGHS	Dera Ghazi Khan
94.	Dr. Shahid Hussain Magsi	CEO	DHA Office DG Khan	MSD-DGHS	Dera Ghazi Khan
95.	Shahid Mehmood	Store Incharge	DHA Office DG Khan	MSD-DGHS	Dera Ghazi Khan
96.	Abid Ali	ADSM	CEO Office DHDC-IRMNCH	IRMNCH	Dera Ghazi Khan
97.	Ameer Taimoor	Store Keeper	CEO Office DHDC-IRMNCH	IRMNCH	Dera Ghazi Khan
98.	Dr. Zohaib	DC-IRMNCH	CEO Office DHDC-IRMNCH	IRMNCH	Dera Ghazi Khan
99.	Nosheen Zahra	Monitoring Officer	CEO Office DHDC-IRMNCH	IRMNCH	Dera Ghazi Khan
100.	Dr. Sadia Majeed	ADC-IRMNCH	CEO Office DHDC-IRMNCH	IRMNCH	Dera Ghazi Khan
101.	M. Nasir Hussain	Accounts Supervisor	CEO Office DHDC-IRMNCH	IRMNCH	Dera Ghazi Khan
102.	Dr. Arshad	HF Incharge/MS	THQ Kot Chutta	DHA, Donors & PHFMC	Dera Ghazi Khan
103.	M. Musa	Store Incharge	THQ Kot Chutta	DHA, Donors & PHFMC	Dera Ghazi Khan
104.	Dr. Abdul Ghafoor Laghari	HF Incharge	RHC Sarwar Wali	DHA & PHFMC	Dera Ghazi Khan
105.	Salahudin	Store Keeper	RHC Sarwar Wali	DHA & PHFMC	Dera Ghazi Khan
106.	Dr. Wajahat Ali	HF Incharge	RHC Shahdan Lund	DHA & PHFMC	Dera Ghazi Khan
107.	M. Rafeeq	Store Incharge	RHC Shahdan Lund	DHA & PHFMC	Dera Ghazi Khan
108.	Dr. Aqsa Sartar	WMO	BHU 24/7 Kot Haibat	PHFMC & IRMNCH	Dera Ghazi Khan
109.	M. Athar	Store Incharge	BHU 24/7 Kot Haibat	PHFMC & IRMNCH	Dera Ghazi Khan
110.	Dr. Muhammad Saqib	HF Incharge	BHU 24/7 Chabri Zarin	PHFMC & IRMNCH	Dera Ghazi Khan
111.	Guulam Abbas	Store Keeper	BHU 24/7 Chabri Zarin	PHFMC & IRMNCH	Dera Ghazi Khan
112.	Dr. Shamsa Kanwal	HF Incharge/WMO	BHU 24/7 Yaroo Khosa	PHFMC & IRMNCH	Dera Ghazi Khan
113.	Abdur Rasheed	Store Keeper	BHU 24/7 Yaroo Khosa	PHFMC & IRMNCH	Dera Ghazi Khan
114.	Muhammad Rehmat Ullah	KPO	BHU 24/7 Yaroo Khosa	PHFMC & IRMNCH	Dera Ghazi Khan
115.	Dr. Zarwasha	HF Incharge	BHU 24/7 Samina	PHFMC & IRMNCH	Dera Ghazi Khan
116.	Tasleem Khan	Store Keeper	BHU 24/7 Samina	PHFMC & IRMNCH	Dera Ghazi Khan
117.	Dr. Shumaila	WMO	BHU 24/7 Khakhi	PHFMC & IRMNCH	Dera Ghazi Khan

DISTRICT LEVEL – PUNJAB – FIELD VISITS					
#	Name of Official	Designation	HF Name	Stakeholder	District
118.	Abdul Aziz	Store Keeper	BHU 24/7 Khakhi	PHFMC & IRMNCH	Dera Ghazi Khan
119.	Zahid Iqbal	KPO	BHU 24/7 Khakhi	PHFMC & IRMNCH	Dera Ghazi Khan
120.	Dr. Maria Khan	WMO	BHU 24/7 Haji Ghazi Gharbi	PHFMC & IRMNCH	Dera Ghazi Khan
121.	Fiaz Hussain	Store Keeper	BHU 24/7 Haji Ghazi Gharbi	PHFMC & IRMNCH	Dera Ghazi Khan
122.	Dr. Misbah Jameel	HF Incharge	BHU 24/7 Gadai	PHFMC & IRMNCH	Dera Ghazi Khan
123.	Ghulam Shabir	Store Keeper	BHU 24/7 Gadai	PHFMC & IRMNCH	Dera Ghazi Khan
124.	Sohail	KPO	BHU 24/7 Gadai	PHFMC & IRMNCH	Dera Ghazi Khan

## ANNEX 18: FINDINGS OF FIELD VISITS

The Project's eleven supply chain officers conducted an in-depth inventory assessment of all electronic and paper-based reporting systems implemented at the provincial and district levels that are capturing MNCH-VEML data. During this time, district-based Project staff validated stakeholder data related to MNCH VEML to wholly track and trace the supply chain processes, commodity flows and their logistics data visibility in different MIS systems of Sindh and Punjab.

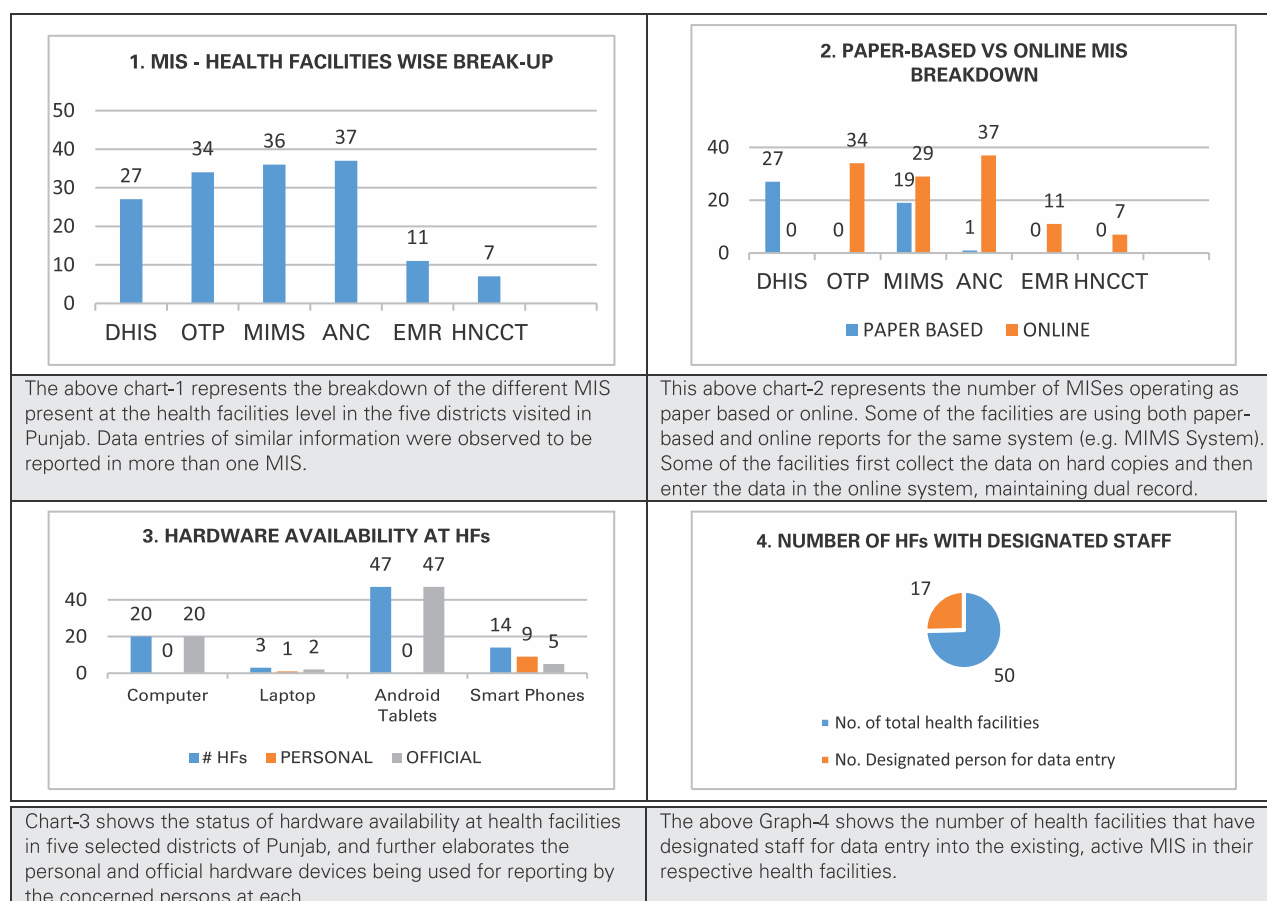
There were 110 (ten in each of the six districts visited in Sindh; ten in each of the five focused districts of Punjab) health facilities visited with varying service care delivery levels. These field visits were conducted from July 9-23, 2019. Project Staff received the full support and cooperation of the provincial and District health departments for data collection.

Data was collected through key informant interviews (KII) from focal points and key informants from the various departments and focus group discussions.

The data collected by our project staff was consolidated, analyzed and interpreted by applying different statistical tools used to validate the preliminary findings contained in the inception report, for example supply chain flows of MNCH VEML and MIS capturing data of these products.

### PUNJAB

Major findings of the field visits of 50 health facilities for Punjab are summarized as below



## SINDH

Major findings of the field visits of 6 sampled districts of Sindh are summarized as below:

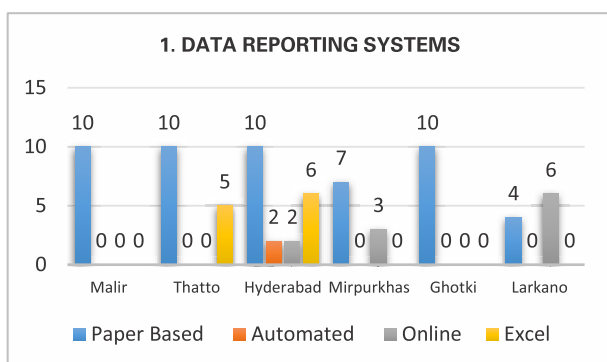


Chart-1 shows that the paper-based reporting system was available in all facilities in each of six sampled districts; Hyderabad also uses an automated system and similarly, Mirpurkhas and Larkana utilize online systems.

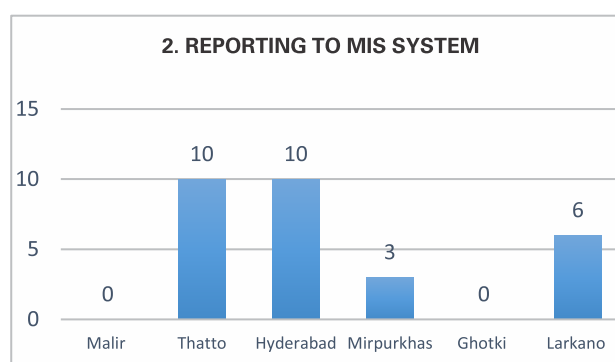


Chart-3 shows regular reporting to the MIS system, based on existing paper reporting systems. The service delivery points prepare reports and share with their respective District offices for further compilation and reporting in the nationally-used DHMIS.

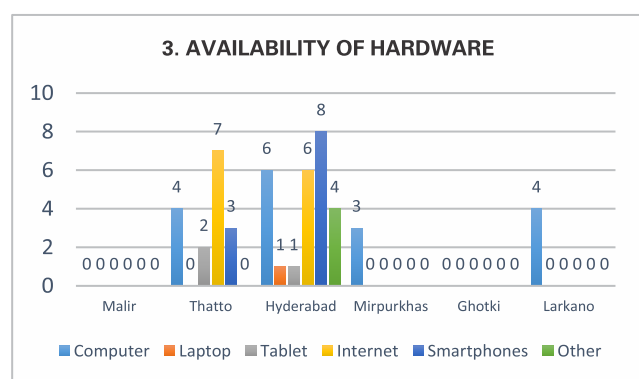


Chart-3 depicts hardware availability at the facility level, managed by MERF in Thatta, DoH in Hyderabad and IHS in Larkana with some facilities utilizing desktop computers; smart phones are available in all EPI centers, they are used for digital entry and record of vaccination data at service delivery points.

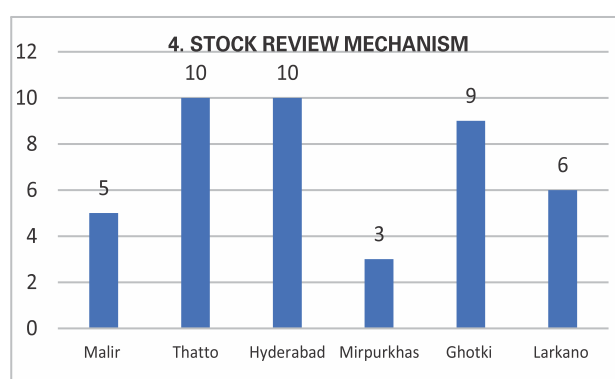


Chart-4 indicates that a stock review mechanism exists in all facilities; local staff are responsible for reviewing and recording data on a daily basis.

## ANNEX 19: MEETING CORRESPONDENCE AND MINUTES – DISSEMINATION OF INCEPTION REPORT

This annex contains all details related to the meeting held on July 29, 2019 for dissemination of the Project. The following are included in this annex:

1. The Project's letter to MoNHSR&C for dissemination of the Inception Report
2. Minutes of the Dissemination of Inception Report meeting including the agenda

1



July 9, 2019

**Dr. Assad Hafeez**  
Director General (Health)  
Ministry of National Health Services, Regulations & Coordination (MoNHSR&C),  
Islamabad

**Subject: Request for the meeting for Dissemination of Inception Report - UNICEF HLMIS Project**

Dear Dr. Assad Hafeez,

Chemonics International Inc., presents its compliments and highly appreciates the role of the MoNHSR&C towards its commitment and resolve for improved health services for the people of Pakistan.

Following the meeting held between MoNHSR&C, UNICEF & Chemonics on March 21, 2019, where Ministry was briefed about the UNICEF funded MNCH HLMIS project in all districts of Sindh and five districts of Punjab, I am pleased to inform that the Project was formally kicked off w.e.f. June 1, 2019 in close coordination with the two provinces. As an inception activity, the Project has completed its initial assessment and interaction with the concerned Governments and relevant stakeholders in both the provinces. Based on these interactions an inception report has been finalized which outlines the methodology and implementation plan aligned with the project deliverables.

To disseminate initial findings and workplan, the project intends to organize a meeting with relevant officials of provincial health departments from all the provinces. May I request you to kindly confirm your availability to Chair this meeting on a date convenient to your schedule preferably in the last week of July or first week of August, 2019. Proposed agenda is enclosed for your kind information.

Looking forward to your kind response  
Together for the people of Pakistan,

Sincerely,

**Dr. Muhammad Tariq**  
Country Director

Enclosed: Tentative Agenda

Copy for Information:

1. Dr. Anjum Javed, Director Programs, MoNHSR&C, Islamabad
2. Dr. Hanadi Mostafa, Health Specialist, UNICEF Country Office, Islamabad
3. Dr. Syed Kamal Asghar, Health Specialist, UNICEF Sindh, Karachi

Islamabad Office, Plot 66-C, 20<sup>th</sup> Floor, Margallah Side, Ufone Tower, Jinnah Avenue, Islamabad, Phone no. +9251-8444 533-36



## Meeting - Dissemination of Inception Report

### UNICEF Health LMIS (HLMIS) Project

Strengthening Maternal, Neonatal, and Child Health (MNCH) Supply Chain in Sindh & Punjab

Venue: Health Services Academy, Islamabad

Monday, July 29, 2019

#### Background & Introduction

A meeting of health department representatives from all provincial governments ([List of participants - Annexure-A](#)) was held on Monday, July 29, 2019. The purpose of the meeting was to disseminate the findings of the inception report of UNICEF HLMIS project to the Ministry and provincial governments

#### Meeting Proceedings

Meeting started with recitation of Holy Quran followed by brief introduction of participants. UNICEF, Health Specialist, Dr. Syed Kamal Asghar welcomed all the participants and briefed them about the award of the Project to Chemonics International Inc. for MNCH Supply Chains System Strengthening and its scope of work.

Dr. Muhammad Tariq, Country Director, Chemonics briefed the participants about the major project interventions that would include technical assistance (TA) to the provincial Health Departments to have greater visibility around MNCH very essential medicines (VEMs) through enhancement of current LMIS and carrying out necessary interfacing with relevant MISes. Furthermore, the Project's TA to the Health Department, Government of Sindh in development of first ever five years forecast of MNCH VEMs was also presented. ([Agenda of the meeting - Annexure-B](#))

Country Director, Chemonics also presented detailed findings of inception report including analysis of current supply chain areas including procurement, warehousing/storage and distribution flows of MNCH VEM commodities and existing MISes capturing logistics data. Findings also included supply chain gaps and challenges along with estimated outcome and impact of the project.

All participants agreed that current supply chain environment is highly fragmented and does not portray the real picture about commodity security of MNCH VEMs, for which greater data visibility is needed to take informed management decisions. Representatives from provincial governments highly appreciated the collaboration of UNICEF and Chemonics for bringing supply chain data visibility of MNCH VEMs in both provinces.

#### Action Points:

Following are the action points of the inception meeting;

- I. It was decided that the Supply Logistics Management System Assessment document developed by UNICEF consultant will be shared among all participants
- II. Both KP and Balochistan representatives requested for the replication of same initiative in their provinces, for which they will have meetings with provincial UNICEF representatives and generate request through their DGHS office.
- III. Country Director, Chemonics assured that if Government of Sindh identifies a public health institute / facility, the Project will provide TA for introduction of three credit hour supply chain management course as already implemented in University of Health Sciences (UHS), Lahore, University of Peshawar (UoP) & Khyber Medical University (KMU), Peshawar in both Punjab & KP
- IV. Project Director, Sindh LHW Program through DGHS office Sindh will put a request letter to UNICEF for building of a purpose-built provincial storage for LHW supplies
- V. DHIS coordinators in Sindh and Balochistan will follow up with the respective tertiary care hospitals in both provinces to ensure compliance to the reporting

The meeting ended with the key notes by Dr. Bashir Ahmed, Director Health Services, MIS, Health Department Punjab and Dr. Zulfiqar Dharejo, Project Director, Sindh LHW Program followed by Vote of Thanks by the Program Director, UNICEF HLMIS Project





## ANNEXURE – A

#	Name	Designation	Organization
1.	Dr. Bashir Ahmed	Director Health Services, MIS	Directorate General Health Services, Punjab
2.	Dr. Zulfiqar Dharejo	Program Director	Sindh Lady Health Worker Program, Sindh
3.	Dr. Azmat Ullah Khan	Director, DHIS	Directorate General Health Services, KP
4.	Mr. Muhammad Moosa Qazi	Assistant Director (HE)	Directorate General Health Services, Sindh
5.	Dr. Khurram Mubeen	Deputy Director	IRMNCH & NP, Punjab
6.	Dr. Asif Anwar	Provincial DHIS Coordinator	Department of Health, Balochistan
7.	Dr. Ghulam Murtaza	DHIS Coordinator	Department of Health, Sindh
8.	Dr. Imran Khan	Deputy Director	Department of Health, KP
9.	Mr. Salahuddin Kasi	Logistics Officer	LHW-Program, Balochistan
10.	Ms. Syeda Sherbano Akhtar	Research Associate	MoNHSR&C
11.	Dr. Syed Kamal Asghar	Health Specialist	UNICEF
12.	Dr. Humaira	Programme Officer	UNICEF
13.	Mr. Maqsood Siddique	Supply & Logistics Officer	UNICEF
14.	Dr. Muhammad Tariq	Country Director	Chemonics
15.	Mr. Zafar Jamil	Program Director	UNICEF-HLMIS Project
16.	Mr. Inamullah khan	Sr. Deputy Country Director	Chemonics
17.	Mr. Jonathan Gatke	Project Manager	Chemonics
18.	Dr. Tanweer Hussain	Supply Chain Team Lead - Sindh	UNICEF-HLMIS Project
19.	Dr. Amir Uddin Chohan	Supply Chain Team Lead - Punjab	UNICEF-HLMIS Project
20.	Mr. Muhammad Abbas Khan	Supply Chain Team Lead - KP	Chemonics
21.	Ms. Saleha Manzoor	Supply Chain Manager	Chemonics
22.	Mr. Ijaz Haider Malik	MIS Manager	UNICEF-HLMIS Project

## Dissemination Meeting UNICEF Health LMIS (HLMIS) Project

### AGENDA

Venue: HEALTH SERVICES ACADEMY ISLAMABAD

Date: 29<sup>th</sup> July, 2020

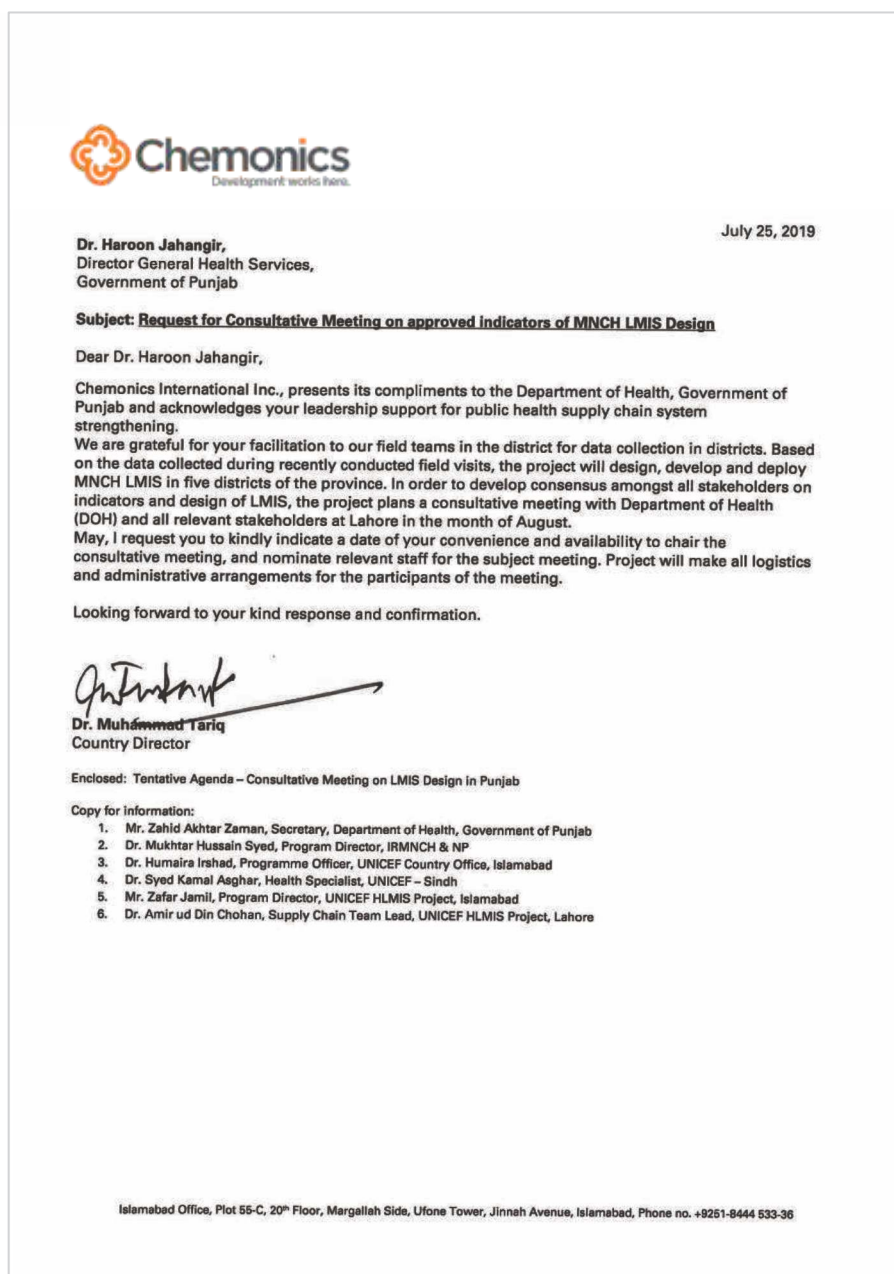
Time	Session	Facilitator
10:45	Registration	Participants
11:00	Recitation of Holy Quran	
11:05	Round of Introduction	Participants
11:15	Welcome Address and Opening Remarks	UNICEF
11:30	Update on UNICEF HLMIS Project	Dr. Muhammad Tariq Country Director, GHSC-PSM Project
12:00	Views and comments by provinces	Provincial representatives
12:30	Key note by the Chair	Dr. Assad Hafeez, Director General (Health) MoNHSR&C
12:45	Way forward and vote of thanks	Mr. Zafar Jamil, Project Director UNICEF HLMIS Project
13:00	Lunch & Dispersal	

## ANNEX 20: MEETING CORRESPONDENCE AND MINUTES OF MNCH LMIS DESIGN PUNJAB

Following lists are part of this annex:

1. Project's letter to DGHS Punjab for request of date finalization of MNCH LMIS design Punjab with tentative agenda
2. DGHS Punjab letter for confirmation of date finalization of MNCH LMIS design Punjab meeting with participant list
3. DGHS Punjab letter for Dissemination of meeting minutes on finalization of MNCH LMIS design Punjab (Agenda, list of participants and approved MNCH LMIS design enclosed<sup>1</sup>)

1



## Consultative Meeting

### On Indicators and draft MNCH LMIS Design in Punjab

### TENTATIVE AGENDA

Venue & Date: TBD

Time	Session	Facilitator
09:15	Registration & Introduction of Participants	UNICEF HLMIS Project
09:30	Project Status, Objectives & Updates	Mr. Zafar Jamil, Program Director, UNICEF HLMIS Project
09:45	LMIS impact	Mr. Sardar Iftikhar, Director MIS
11:00	<b>Tea Break</b>	
11:30	Discussion on proposed LMIS indicators & design, integration plans with other information systems for various levels of health service delivery	Ijaz Haider Malik, Manager MIS
13:00	<b>Lunch &amp; Prayer Break</b>	
14:00	Discussions on Analytics and Dashboards of MNCH LMIS Design	Sardar Iftikhar, Director MIS
15:30	Discussions on Draft LMIS Design	UNICEF HLMIS Project
16:00	Closing Remarks by Chair	Director General Health Services Government of Punjab



**DIRECTORATE GENERAL HEALTH SERVICES PUNJAB,  
24-COOPER ROAD, LAHORE**

Ph No 042-99201139-40, Fax No 042-99201142

NO. 1704 /PA/DGHS

Dated: Lahore, 2<sup>nd</sup> August, 2019

Dear Sir/Madam,

(List attached)

**SUBJECT: CONSULTATIVE MEETING ON DEVELOPMENT OF MNCH LMIS DESIGN**

Primary and Secondary Healthcare Department, Punjab is implementing the Prevention of Pneumonia & Diarrhea project since 2016 with the support of UNICEF in five districts (**Muzaffargarh, Pakpattan, Bahawalnagar, Dera Ghazi Khan, Rahim Yar Khan**) of Punjab. Chemonics International has been engaged to develop Health Logistics Management Information System to strengthen supply chain of MNCH very essential medicines. In order to develop a consensus amongst all stakeholders on indicators and design of HLMIS, a consultative meeting is being organized on **9<sup>th</sup> August, 2019** at Conference Hall, Directorate General Health Office, 24 Cooper Road, Lahore.

You are requested to kindly make it convenient to attend the meeting on the said date and time.

All necessary logistics and administrative arrangements for out stationed participants will be bear by HLMIS Project, Chemonics International Inc.

  
**DIRECTOR GENERAL HEALTH SERVICES**

**PUNJAB**

c.c.

1. PS to Secretary PSHD
2. Program Director IRMNCH&NP
3. CEO PHFMC to allow concerned District Managers of PHFMC attend the meeting.
4. CEOs (H) Muzaffargarh, RY Khan, DG Khan, Bahawalnagar and Pakpattan, to allow DC IRMNCH&NP attend the meeting.
5. Dr. Muhammad Tariq, Country Director, USAID GHSC PSM
6. Dr. Rana Muhammad Mushtaq, Health Specialist, UNICEF





**DIRECTORATE GENERAL HEALTH SERVICES PUNJAB,  
24-COOPER ROAD, LAHORE**

Ph No 042-99201139-40, Fax No 042-99201142

NO. 1770 /PA/DGHS

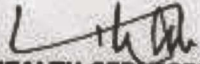
Dated: Lahore, 19<sup>th</sup> August, 2019

Dear Sir/Madam,  
(List attached)

**SUBJECT: MINUTES OF THE CONSULTATIVE MEETING ON DEVELOPMENT OF MNCH  
LMIS DESIGN**

Primary and Secondary Healthcare Department, Punjab appreciates your active participation in the subject meeting held on 9<sup>th</sup> August 2019 at DGHS conference hall for development of Health Logistics Management Information System (HLMIS) to strengthen the supply chain of MNHC very essential medicines.

Kindly find attached minutes of meeting for your information.

  
**DIRECTOR GENERAL HEALTH SERVICES  
PUNJAB**

c.c.

1. PS to Secretary P&SHD
2. Program Director IRMNCH&NP
3. CEO PHFMC
4. CEOs (H) Muzaffargarh, RY Khan, DG Khan, Bahawalnagar and Pakpattan.
5. Dr. Muhammad Tariq, Country Director, USAID GHSC PSM Project.
6. Dr. Rana Muhammad Mushtaq, Health Specialist, UNICEF Punjab.



## Minutes of Consultative Meeting UNICEF Health LMIS (HLMIS) Project

### Strengthening Maternal, Neonatal, and Child Health (MNCH) Supply Chain in Sindh & Punjab

Venue: Director General Health Office - Punjab

Friday, August 09, 2019

#### Background & Introduction

Chemonics International Inc. through UNICEF funding has been awarded a one-year project for supply chain system strengthening of Maternal, Neonatal and Child Health (MNCH) for bringing visibility to MNCH Very Essential Medicine (VEMs) through MNCH LMIS with focus on diarrhea and pneumonia products.

To discuss and develop consensus on the proposed MNCH LMIS design, a meeting with Punjab Government and relevant key stakeholders was held on Friday, August 09, 2019 at Director General Health Services (DGHS) Office Punjab. The meeting was chaired by DG Health, Punjab and was fully represented by all public, private sector stakeholders and development partners i.e. Integrated Reproductive, Maternal, Neonatal and Child Health Program (IRMNCH), Punjab Health Facility Management Company (PHFMC), Punjab Information Technology Board (PITB), Health Information & Service Delivery Unit (HISDU), district health managers and district IRMNCH coordinators of five districts (*List of participants - Annexure-A*)

#### Meeting Proceedings

Meeting started with recitation of Holy Quran followed by brief introduction of the participant. Country Director, Chemonics Dr. Muhammad Tariq while briefly introducing the purpose of meeting appreciated the efforts of Government of Punjab and UNICEF towards MNCH system strengthening in the Province. He shared the experience of successful nationwide implementation of c/vLMIS and how the data generated by these systems is helping all provincial governments to take evidence-based decision making. He also explained that the MNCH LMIS will contribute towards ensuring availability of MNCH VEMs in selected districts of Punjab (Muzaffargarh, Dera Ghazi Khan, Rahim Yar Khan, Pakpattan and Bahawalnagar) (*Agenda of the meeting - Annexure-B*)

Project Director, Mr. Zafar Jamil briefed the participants about the Project's scope of work and major interventions that would include technical assistance (TA) to the provincial Health Departments of Punjab & Sindh to have greater visibility around MNCH VEMs through enhancement of current LMIS and carrying out necessary interfacing with relevant MISes.

Director MIS, Mr. Sardar Iftikhar presented the current supply chain and reporting flow of MNCH VEMs, need of LMIS and proposed models for MNCH LMIS that will cater for enhanced supply chain data visibility of MNCH VEMs particularly those for Pneumonia & Diarrhea. Discussions were held around the proposed models and all provincial & district participants gave their feedback. During discussions, district IRMNCH coordinators and District Managers highlighted major issues and gaps in their respective districts. Major gaps include multiple and parallel systems for data entry and reporting, no or poor internet connectivity, lack of trained HR that is also overburdened and sub optimal utilization of staff at district level. Data use, quality and validations were also some of the major concerns raised by the participants.

Director MIS DGHS, Dr. Bashir Ahmed, emphasized the need of a comprehensive information system that should be used for data analysis, planning, and financing. He recommended the use of LMIS for data visibility and drugs forecast. Joint Director PITB committed to extend full support to the Project team for designing and necessary interfacing of the systems for development of MNCH LMIS. HISDU representatives also recognized the need of LMIS and its related dashboards for policy makers for timely decisions. Senior Consultant IRMNCH, Dr. Akhtar Rasheed also highlighted some major gaps and acknowledged the efforts of UNICEF and Chemonics for the intervention. PHFMC highlighted

the need of regular engagement of all stakeholders at provincial and district level to overcome the challenges at health facility level.

Development partners like WHO and Pathfinder also expressed their views for policy synchronization for data reporting and linking the system with disease epidemiology, that would ultimately lead to reduced child mortality and morbidity. All participants agreed that current supply chain environment is highly fragmented and does not portray the real picture about commodity security of MNCH VEMs. There is a need of consolidation of vertical MISes that will give greater data visibility to take informed management decisions.

Project's Team Lead Punjab summing up the discussion highlighted the key action points accentuated by all stakeholders in the meeting.

The meeting ended with vote of thanks by Project Director

#### **Action Points:**

Following are the action points of the consultative meeting;

- I. Technical working groups (TWG) will be formed that will include technical representation from all stakeholders including IRMNCH and PHFMC, PITB, HISDU, DHIS, UNICEF and Chemonics at provincial and respective district levels. The TWG will meet and oversee implementation of MNCH LMIS. In addition the TWGs will recommend policy decisions pertaining to MNCH supply chain i.e. defining min/max at different levels, streamlining storage and distribution mechanism and forecasting and supply planning.
- II. It was agreed amongst all stakeholders that logistics indicators should be reported for MNCH VEMs for their data visibility (i.e. Opening balance, received, issued, closing balance and adjustments). The inventory and consumption data would enable to track and trace the products flowing into the system and being used by the patients/clients.
- III. Project team will share the Terms of References (TORs) of these TWGs at provincial and district levels
- IV. It was agreed that there is a need for reconciled information system in fragmented and parallel reporting system environment that will be done in close collaboration with provincial and district stakeholders
- V. Project team after development and deployment of MNCH LMIS will build the capacity of relevant staff on data reporting
- VI. District management will be extending full cooperation and support to the Project staff for successful implementation of the system in five pilot districts of Punjab
- VII. After detailed discussions and deliberations, the MNCH LMIS design model was approved with consensus  
*(Approved MNCH LMIS Model- Annexure-C)*

## ANNEXURE – A; List of Participants

#	Name	Designation	Organization
1	Dr. Haroon Jahangir Khan	Directorate General Health Services, Punjab	Health Department, Punjab
2	Dr. Bashir Ahmed Siddique	Director MIS Cell	Health Department, Punjab
3	Dr. Muhammad Saeed	Director EPI	Health Department, Punjab
4	Mr. Muhammad Farooq	Program Officer MIS Cell	Health Department, Punjab
5	Dr. Akhtar Rasheed	Senior Consultant, IRMNCH & NP	Health Department, Punjab
6	Mr. Shahid Akram	Joint Director	PITB
7	Mr. Waqas Akram	PM	PITB
8	Mr. Mudassar Mukhtar	Software Developer	HISDU
9	Mr. Muhammad Bilal	Software Developer	HISDU
10	Mr. Khizer Javed	Software Developer	HISDU
11	Mr. Ali Haider	Consultant	PHFMC
12	Ms. Maryam	IT Section	PHFMC
13	Dr. Zohaib Hassan	District Coordinator, Dera Ghazi Khan - IRMNCH	Health Department, Punjab
14	Dr. Zubair Iqbal	District Coordinator, Rahim Yar Khan - IRMNCH	Health Department, Punjab
15	Dr. Riaz Ahmed	District Coordinator, Pakpattan - IRMNCH	Health Department, Punjab
16	Dr. Khalid Hussain	District Coordinator, Bahawalnagar- IRMNCH	Health Department, Punjab
17	Dr. Shahid Riaz	District Coordinator, Muzaffargarh - IRMNCH	Health Department, Punjab
18	Mr. Aamal Shah	DSM - Pakpattan	Health Department, Punjab
19	Mr. Asad Hassan Qureshi	DSM - Dera Ghazi Khan	Health Department, Punjab
20	Mr. Syed Zeeshan Ahmed	DSM - Rahim Yar Khan	Health Department, Punjab
21	Ms. Uzma Javed	MSEEO, Pakpattan - IRMNCH	Health Department, Punjab
22	Dr. Mujeeb Rehman	DSC	Health Department, Punjab
23	Mr. Usman Ghani	UNICEF - Punjab	UNICEF - Punjab
24	Dr. Saira	Health Officer	UNICEF - Punjab
25	Dr. Irfan Ahmed	Health Specialist	WHO
26	Dr. Yahya Gulzar	NPO	WHO
27	Mr. Muhammad Shoaib	Technical Specialist	UNFPA
28	Mr. Mansoor Riaz	Manager Programs	Pathfinder
29	Dr. Naeem Majeed	Evidence and Accountability Advisor	WISH
30	Dr. Muhammad Tariq	Country Director	Chemomics International Inc.
31	Mr. Zafar Jamil	Project Director	Chemomics, UNICEF-HLMIS Project
32	Mr. Sardar Iftikhar	Director MIS	Chemomics International Inc.
33	Mr. Nabeel Ahmed Maqbool	Supply Chain Team Lead Punjab	Chemomics International Inc.
34	Dr. Amir Ud Din Chohan	Supply Chain Team Lead Punjab	Chemomics, UNICEF-HLMIS Project
35	Mr. Ijaz Haider Malik	HLMIS Manager	Chemomics, UNICEF-HLMIS Project
36	Dr. Ahmed Shafique	Sr. Manager	Chemomics International Inc.
37	Dr. Farah Naz	Training Manager	Chemomics, UNICEF-HLMIS Project
38	Ms. Saleha Manzoor	Supply Chain Manager	Chemomics International Inc.
39	Mr. Furqan Saleem	Provincial Supply Chain Specialist, Punjab	Chemomics International Inc.
40	Mr. Abdul Qayyum	Provincial Supply Chain Specialist, Punjab	Chemomics International Inc.
41	Mr. Syed Zeeshan Ali	Admin & Finance Officer	Chemomics, UNICEF-HLMIS Project

## ANNEXURE – B; Meeting Agenda

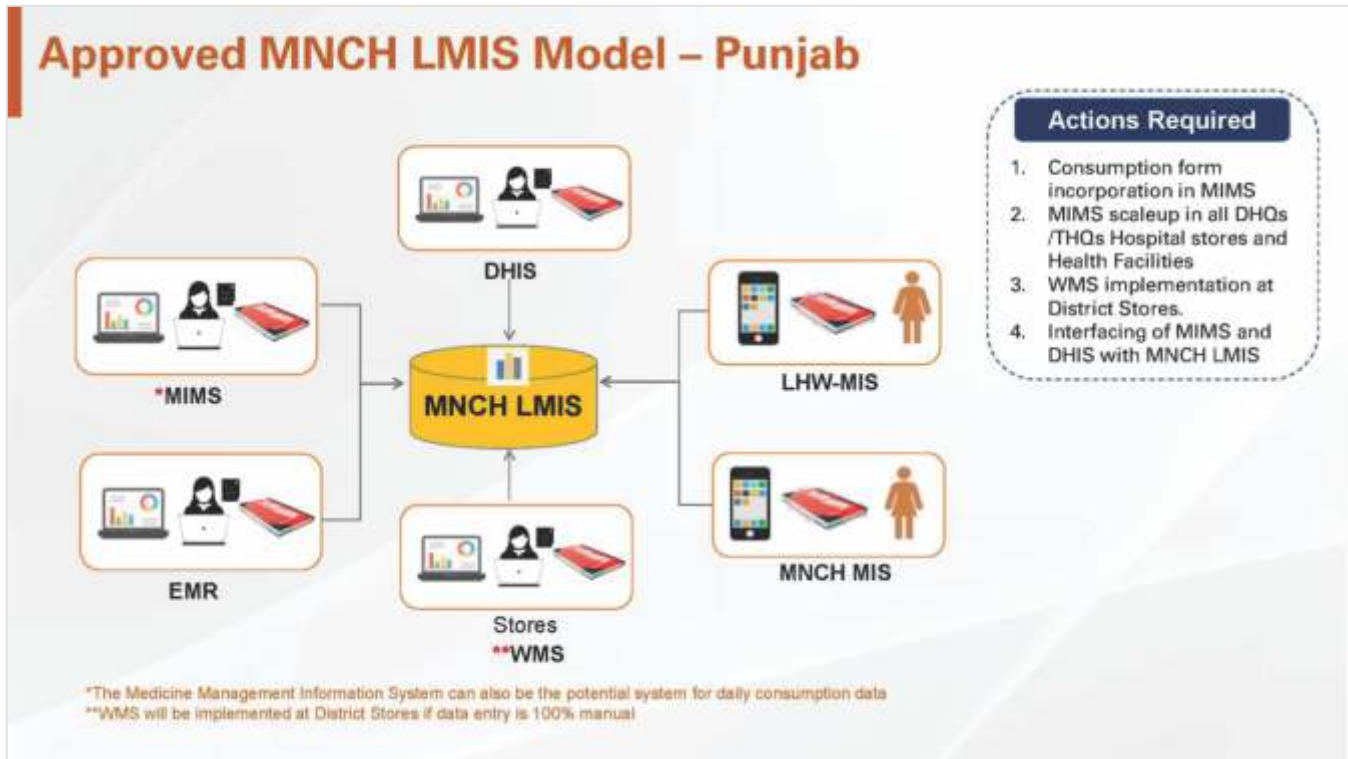
# Consultative Meeting on Indicators and Draft MNCH LMIS Design in Punjab

## FINAL AGENDA

Conference Hall, DG Health Office, Lahore  
 August 9, 2019

Time	Session	Facilitator
09:15	Registration & Introduction of Participants	UNICEF HLMIS Project
09:30	Project Status, Objectives & Updates	Dr. Muhammad Tariq, Country Director, Chemonics International Inc.
09:45	Discussion on proposed LMIS indicators & design, integration plans with other information systems for various levels of health service delivery, Analytics & dashboards	Mr. Sardar Iftikhar, Director MIS Ijaz Haider Malik, Manager MIS
12:30	Closing Remarks by Chair	Director General Health Services Government of Punjab
12:45	Vote of Thanks & Way Forward	Mr. Zafar Jamil Program Director UNICEF HLMIS Project
13:00	Lunch & Dispersal	

ANNEXURE – C; Approved MNCH LMIS Model



## ANNEX 21: MEETING CORRESPONDENCE AND MINUTES - MNCH LMIS DESIGN SINDH

Following lists are part of this annexure:

1. The Project's letter to DGHS, Sindh requesting finalization of the date of MNCH LMIS design in Sindh, followed by the tentative meeting agenda
2. DGHS, Sindh letter of confirmation of date finalization or MNCH LMIS design for Sindh meeting, including confirmed participant list
3. Meeting minutes for finalization of the MNCH LMIS design for Sindh including an agenda, list of participants, and the approved MNCH LMIS design

1



July 25, 2019

**Dr. Masood Ahmed Solangi**  
Director General Health Services,  
Government of Sindh

**Subject: Request for Consultative Meeting on approved indicators of MNCH LMIS Design**

Dear Dr. Masood Ahmed,

Chemonics International Inc., presents its compliments to the Department of Health, Government of Sindh and acknowledges your leadership support for public health supply chain system strengthening. We are grateful for confirmation of your availability for MNCH VEML revision and forecast meeting on July 31, 2019.

Furthermore, the facilitation to our field teams visits for collection of supply chain data is highly appreciated. Based on the data collected during field visits, the project will design, develop and deploy MNCH LMIS. To develop consensus amongst all stakeholders on indicators and design of LMIS, the project plans a consultative meeting with Department of Health (DOH) & Public Private Partnership (PPP) node partners at Karachi in the month of August.

May, I request you to kindly indicate a date of your convenience and availability to chair the consultative meeting, and nominate relevant staff. Project will make all logistics and administrative arrangements for the participants of the meeting.

Looking forward to your kind response and confirmation.

**Dr. Muhammad Tariq**  
Country Director

Enclosed: Tentative Agenda – Consultative Meeting on LMIS Design in Sindh

Copy for information:

1. Mr. Saeed Ahmed Awan, Secretary, Department of Health, Government of Sindh
2. Dr. Humaira Irshad, Programme Officer, UNICEF Country Office, Islamabad
3. Dr. Syed Kamal Asghar, Health Specialist, UNICEF – Sindh
4. Mr. Zafar Jamil, Program Director, UNICEF HLMIS Project, Islamabad
5. Dr. Mumtaz Brohi, UNICEF HLMIS Project, Hyderabad
6. Dr. Tanweer Hussain, UNICEF HLMIS Project, Karachi



## Consultative Meeting

### On Indicators and draft MNCH LMIS Design in Sindh

### TENTATIVE AGENDA

Venue & Date: TBD

Time	Session	Facilitator
09:15	Registration & Introduction of Participants	UNICEF HLMIS Project
09:30	Project Status, Objectives & Updates	Mr. Zafar Jamil, Program Director, UNICEF HLMIS Project
09:45	LMIS impact	Mr. Sardar Iftikhar, Director MIS
11:00	<b>Tea Break</b>	
11:30	Discussion on proposed LMIS indicators & design, integration plans with other information systems for various levels of health service delivery	Ijaz Haider Malik, Manager MIS
13:00	<b>Lunch &amp; Prayer Break</b>	
14:00	Discussions on Analytics and Dashboards of MNCH LMIS Design	Sardar Iftikhar, Director MIS
15:30	Discussions on Draft LMIS Design	UNICEF HLMIS Project
16:00	Closing Remarks by Chair	Director General Health Services Government of Sindh



DIRECTORATE GENERAL HEALTH SERVICES  
SINDH @ HYDERABAD  
Phone # 022-9240106 Fax # 022-9240100  
E-mail: [dghealthsindh@sindhhealth.pk](mailto:dghealthsindh@sindhhealth.pk)

No. DGHSS/ - (PH-Wing-35(Chemonics))-6063/93

DATED 21-08-2019

To,

The Participants,  
List attached.

SUBJECT:- **CONSULTATIVE MEETING ON APPROVED INDICATORS OF MNCH LMIS DESIGN.**

Reference:- Letter dated 25-07-2019 received from Country Director, Chemonics International, Islamabad.

It is to inform you that the subjected meeting on approved Indicators of MNCH LMIS Design with the collaboration of Chemonics International has been scheduled on 27-08-2019 at 09:30 am at Karachi. The meeting will be chaired by the undersigned.

You are hereby advised to attend the subjected meeting as per schedule positively. The Agenda is enclosed herewith. The venue will be communicated latter on.

(DR. MASOOD AHMED SOLANGI)  
DIRECTOR GENERAL  
HEALTH SERVICES SINDH AT HYDERABAD

Encl: As above.

Copy forwarded for information:

1. The Secretary, Government of Sindh, Health Department Karachi.
2. The PS to Minister Health and Population Welfare Department Gpvernemt of Sindh Karachi.
3. Dr. Muhammad Tariq, Country Director, Chemonics International, Islamabad.
4. Dr. Tanveer Hussain, Supply Chai Team Lead, UNICEF HLMIS Project Karachi.
5. Dr. Mumtaz Brohi Coordinator, UNICEF HLMIS Project, Hyderabad.

**LMIS Design Meeting - UNICEF Health LMIS (HLMIS) Project**  
**Tentative List of Participants**

S#	Designation	Name	Department/Organization
1	Director General Health Sindh Hyderabad	Dr. Masood Ahmed Solangi	Department of Health, Sindh
2	Additional Director PH Hyderabad	Dr. Yar Muhammed Khoso	Department of Health, Sindh
3	Deputy Director (HE)	Dr. Younis Shaikh	Department of Health, Sindh
4	Deputy Director RCH Hyderabad	Dr. Rukhsana Channar	Department of Health, Sindh
5	Provincial DHIS Coordinator Hyderabad	Dr. Ghulam Murtaza	Department of Health, Sindh
6	MIS Person DHIS Cell DGHSS Hyderabad	Mr. Shah Nawaz	Department of Health, Sindh
7	Director Health Karachi	Dr. Hashim	Department of Health, Sindh
8	Director Health Hyderabad	Dr. Deen Muhammed	Department of Health, Sindh
9	Director Health Mirpurkhas	Dr. Anwar Qadir	Department of Health, Sindh
10	Director Health Larkana	Dr. Saleem	Department of Health, Sindh
11	Deputy Director Development Karachi	Mr. Mohsin Shaikh	Department of Health, Sindh
12	Program Director	Dr. Zulfiqar Dharejo	Sindh LHW Program Hyderabad
13	MIS Person	Mr. Irfan	Sindh LHW Program Hyderabad
14	Logistic Officer	Mr. Altaf	Sindh LHW Program Hyderabad
15	Program Manager	Dr. Pritnam	MNCH Program, Karachi
16	MIS Person	Dr. Jai	MNCH Program, Karachi
17	Program Manager	Dr. Waqar Mehmood	Nutrition Support Program, Karachi
18	MIS Person	Mr. Rasheed	Nutrition Support Program, Karachi
19	DHO Karachi Central	Dr. Anjum	Department of Health, Sindh
20	MNCH Focal Karachi Central	Dr. Nasreen	MNCH Program, Karachi
21	DHO Karachi West	Dr. Shafique	Department of Health, Sindh
22	MNCH FP Karachi West	Dr. Huma	MNCH Program, Karachi
23	DHO Karachi East	Dr. Ashfaq Ahmed	Department of Health, Sindh
24	MNCH FP Karachi East	Dr. Shams	MNCH Program, Karachi
25	DHO Karachi South	Dr. Ahmed Ali Shaikh	Department of Health, Sindh
26	MNCH FP Karachi South	Dr. Adnan	MNCH Program, Karachi
27	DHO Karachi Korangi	Dr. Rizwana Tahirani	Department of Health, Sindh
28	MNCH FP Karachi Korangi	Dr. Nusrat	MNCH Program, Karachi
29	DHO Malir	Dr. Ahmed Ali Memon	Department of Health, Sindh
30	MNCH FP District Malir	Dr. Mehtab Farooq	MNCH Program, Karachi
31	DHO Hyderabad	Dr. Maqsood Ahmed Abbasi	Department of Health, Sindh
32	MNCH FP Hyderabad	Dr. Farhana Memon	MNCH Program, Hyderabad
33	DHO Mirpurkhas	Dr. Ghafoor Talpur	Department of Health, Sindh
34	MNCH FP Mirpurkhas	Dr. Meer Mukhtiar	MNCH Program, Mirpurkhas
35	DHO Ghotki	Dr. Altaf Soomro	Department of Health, Sindh

36	MNCH FP Ghotki	Dr. Abdul Razzaque	MNCH Program, Ghotki
37	DHO Larkana	Dr. Abdul Rehman	Department of Health, Sindh
38	MNCH FP Larkana	Dr. Shoukat Abro	MNCH Program, Larkana
39	CEO PPHI	Mr. Abdul Wahab	PPHI
40	MIS Person PPHI		PPHI
41	Provincial Coordinator I.H.S		IHS
42	MIS Person I.H.S		IHS
43	Provincial Coordinator HANDS		HANDS
44	MIS Person HANDS		HANDS
45	Provincial PM MERF	Mr. Adam Malik	MERF
46	MIS Person MERF		MERF
47	Representative of WHO Sindh		WHO
48	Representative of UNICEF Sindh		UNICEF

## Minutes of Consultative Meeting UNICEF Health LMIS (HLMIS) Project Strengthening Maternal, Neonatal, and Child Health (MNCH) Supply Chain in Sindh & Sindh

Venue: Movenpick, Ball Room, Karachi

Tuesday, August 27, 2019

### Background & Introduction

Chemonics International Inc. through UNICEF funding has been awarded a one-year project for supply chain system strengthening of Maternal, Neonatal and Child Health (MNCH) for bringing visibility to MNCH Very Essential Medicine (VEMs) through MNCH LMIS with focus on diarrhea and pneumonia products.

To discuss and develop consensus on the proposed MNCH LMIS design, a meeting with Sindh Government and relevant key stakeholders was held on Tuesday, August 27, 2019 at Movenpick Ballroom A, Karachi. The meeting was chaired by Addl. Director General, Preventative Healthcare (DG PH), Sindh and was fully represented by all public, private sector stakeholders and development partners i.e. People's Primary Healthcare Initiative (PPHI), Integrated Health Services (IHS), Health & Nutrition Development Society (HANDS), Medical Emergency Resilience Foundation (MERF) and Sindh Government district representatives (*List of participants - Annexure-A*)

### Meeting Proceedings

Meeting started with recitation of Holy Quran followed by brief introduction of the participants. District Coordinator Sindh, Chemonics Dr. Mumtaz Brohi while briefly introducing the purpose of meeting appreciated the efforts of Government of Sindh and UNICEF towards MNCH system strengthening in the Province. He shared the experience of successful nationwide implementation of c/vLMIS, its journey, challenges and how the data generated by these systems is helping all provincial governments to take evidence-based decision making. He also explained that a consultative meeting was held at Hyderabad to finalize the MNCH VEML after getting consent and suggestions from all stakeholders. He further added that MNCH LMIS will contribute towards ensuring availability of MNCH VEMs in selected all districts of Sindh (*Agenda of the meeting - Annexure-B*)

Additional DG PH, Dr. Yar Muhammad apprised the participants that this project would be beneficial for all the stakeholders and above all support Government of Sindh to minimize Maternal Mortality Rates (MMR) and Infant Mortality Rates (IMR) with the enhance data visibility which will result in stock sufficiency at all nodes of the supply chain. MMR and IMR are highest in Pakistan for last one decade and we must take solid measures to bring it to acceptable level. He emphasized to actively participate and benefit from this informative session.

Dr. Kamal Asghar, Health Specialist UNICEF apprised the participants on UNICEF initiatives to control MMR and IMR. He explained that how UNICEF is providing new improved formulated medicines to DOH as per WHO guidelines. Before, it was difficult to procure these medicines from abroad, but now these medicines are being manufactured in Pakistan and easy to procure from local market. The objective of this meeting is to get feedback from people on ground so that MNCH LMIS will be designed with mutual consent of all stakeholders and once implemented will be benefiting all stakeholders to take evidence-based decisions.

Director MIS, Mr. Sardar Iftikhar thanked presented the current supply chain and reporting flow of MNCH VEMs, need of LMIS and proposed models for MNCH LMIS that will cater for enhanced supply chain data visibility of MNCH VEML particularly those for Pneumonia & Diarrhea. Discussions were held around the proposed models, TWG Formation and addressing the gaps in current vertical information systems. During discussions, stakeholder representatives highlighted major challenges and gaps in medicines' supply chain. Major gaps included data visibility, limited functionality of DHIS with reference to supply chain, ICT infrastructure and capacity building.

All participants praised UNICEF and Chemonics initiative and bringing all stakeholders under one roof to discuss in detail MNCH LMIS Design. PPP & Development partners like PPHI, MERF, IHS and HANDS also expressed their views for policy synchronization for data reporting and interfacing their system with MNCH LMIS, that would ultimately lead to reduced child mortality and morbidity. All participants agreed that current supply chain environment is highly



fragmented and does not portray the real picture about commodity security of MNCH VEMLS. There is a need of consolidation of vertical MISes that will give greater data visibility to take informed management decisions.

Project's Team Lead Sindh summing up the discussion highlighted the key action points accentuated by all stakeholders in the meeting. With mutual consent of Additional DG, Dr. Yar Muhammad and all participants, chairperson and members names been finalized for TWG

The meeting ended with vote of thanks by Project Team Sindh and Chairperson.

#### **Action Points:**

Following are the action points of the consultative meeting;

- I. Technical working group (TWG) was formed that includes technical representation from all stakeholders including Sindh, DOH, PPHI, MERF, IHS, HANDS and Chemonics at provincial level. The TWG will meet and oversee implementation of MNCH LMIS. In addition, the TWG will recommend policy decisions pertaining to MNCH supply chain i.e. defining min/max at different levels, streamlining storage and distribution mechanism and forecasting and supply planning. Below table shows the list of TWG members:

S#	Name	Department
1	Dr. Yar Muhammad – TWG Chairperson	Ad. DG PH
2	Dr. Ghulam Murtaza	DHIS Coordinator
3	Dr. Jai Ram Das	Comm Officer - MNCH
4	Mr. Irfan Mirza	LHW
5	Mr. Nauman Ahmed	PPHI
6	Mr. Hisham bin Shafique	MERF
7	Mr. Maqbool Baloch	Hands
8	Mr. Kashif Ali Raza	Project Manager IHS
9	Mr. Ihsan	Directorate
10	Dr. Arif Rasheed	DHIS
11	Dr. Waqar Mahmood	Nutrition
12	Dr. Sheeba	Deputy Director - Directorate
13	DHO (TBD)	DHO
14	Dr. Tanweer Hussain	Chemonics International Inc.
15	MIS Focal Person	Chemonics International Inc.

- II. It was agreed that all partners (PPHI, MERF, IHS, Hands) will be providing interfacing APIs, six months' supply chain data on Excel / CSV format and read only credentials to Chemonics International.
- III. Reporting frequency will be monthly and alerts / notifications will be weekly.
- IV. Warehouse Management System (WMS) will be implemented at Provincial and District Stores by Chemonics International, starting with pilot districts.
- V. Project team after development and deployment of MNCH LMIS will build the capacity of relevant staff on data reporting
- VI. District management will be extending full cooperation and support to the Project staff for successful implementation of the system in five pilot districts of Sindh
- VII. Official letter will be issued from office of DG DOH to all stakeholders for TWG formation, interfacing and data sharing with Chemonics.
- VIII. After detailed discussions and deliberations, the MNCH LMIS design model was approved with consensus ([Agenda of the meeting - Annexure-C](#))



## ANNEXURE – A; List of Participants

#	Name	Designation	Organization
1	Dr. Yar Muhammad	Ad. Dis. (P.H)	Health Department
2	Dr. Aijaz Ali Memon	M&E Officer	Health Department
3	Mr. Shahnawaz	IT Incharge	Health Department
4	Dr. Rukhsana Channar	Deputy Director	Health Department
5	Dr. Anwar Qadir Memon	Director Health Mirpurkhas	Health Department
6	Dr. Fareed Memon	DCO	Health Department
7	Dr. Abdul Rahman Baloch	DHO Larkana	Health Department
8	Dr. Shoukat Abro	DFP MNCH Larkana	MNCH / Health
9	Dr. Zafar Anjum	District Project Manager (DPM)	HANDS
10	Dr. Khalil	PD PPP Project	HANDS
11	Dr. Huma	Gynecologist	D-West
12	Dr. Mariyam Nawaz	DFP MNCH	District Malir
13	Mr. Irfan Pirzada	Provincial MIS Coordinator	PPIU Hyderabad
14	Mr. Bilal Rafique	Assistant Logistic Officer	PPIU Hyderabad
15	Dr. Jairam	Comm. Officer	MNCH Program Sindh
16	Mr. Adam Malik	Regional Program Manager	MERF
17	Mr. Niaz Ali Brohi	Supply Chain Assistant	MERF
18	Dr. Altaf Ahmed Soomro	DHO District Ghokti	Health Department
19	Dr. Nasreen Anwar	M.S MCH Center	Health Department
20	Dr. Shafique Ahmad	DHO West	Health Department
21	Dr. Muhammad Adnan Rizwan	FD. DHO South	Health Department
22	Dr. Nusrat Jahan	Focal Person DHIS (FPD)	Health Department
23	Dr. Rizwana Tahirani	DHO Korangi	Health Department
24	Dr. Gobind	DHO MPS	Health Department
25	Dr. Kanwal	Health Specialist	UNICEF
26	Dr. SH. Murtaza	DHIS Coordinator	Health Department
27	Dr. Nasreen	DHO District East	Health Department
28	Dr. Syed Ali Anjum	DHO Central Karachi	Health Department
29	Dr. Waqar Mehmood	PM Sindh	Health Department
30	Dr. A. Razaq Minhas	ADHO Ghotki	Health Department
31	Dr. Zulfiqar Dharejo	PD	LHW Program
32	Dr. Ahmed Ali Memon	DHO Malir Karachi	Health Department
33	Dr. Pritam	PD MNCH Sindh	Health Department
34	Dr. Hashim Shah	Director Health Karachi	Health Department
35	Mr. Sardar Iftikhar Khan	Director MIS	Chemonics
36	Dr. Tanweer Hussain	Supply Chain Team Lead	Chemonics
37	Dr. Mumtaz Brohi	District Coordinator	Chemonics
38	Ijaz Haider Malik	MIS Manager	Chemonics
39	Dr. Yousif Shaikh	Supply Chain Officer	Chemonics
40	Dr. Tanweer Hussain	Supply Chain Team Lead	Chemonics
41	Ijaz Haider Malik	MIS Manager	Chemonics
42	Mr. Asif Jatoi	Supply Chain Officer	Chemonics
43	Bansi Malhi	Supply Chain Officer	Chemonics
44	Yaqoob Laghari	Supply Chain Officer	Chemonics
45	Yar Muhammad Khan	Supply Chain Officer	Chemonics
46	Tauseef Anwar Baig	Supply Chain Officer	Chemonics



## ANNEXURE – B; Meeting Agenda

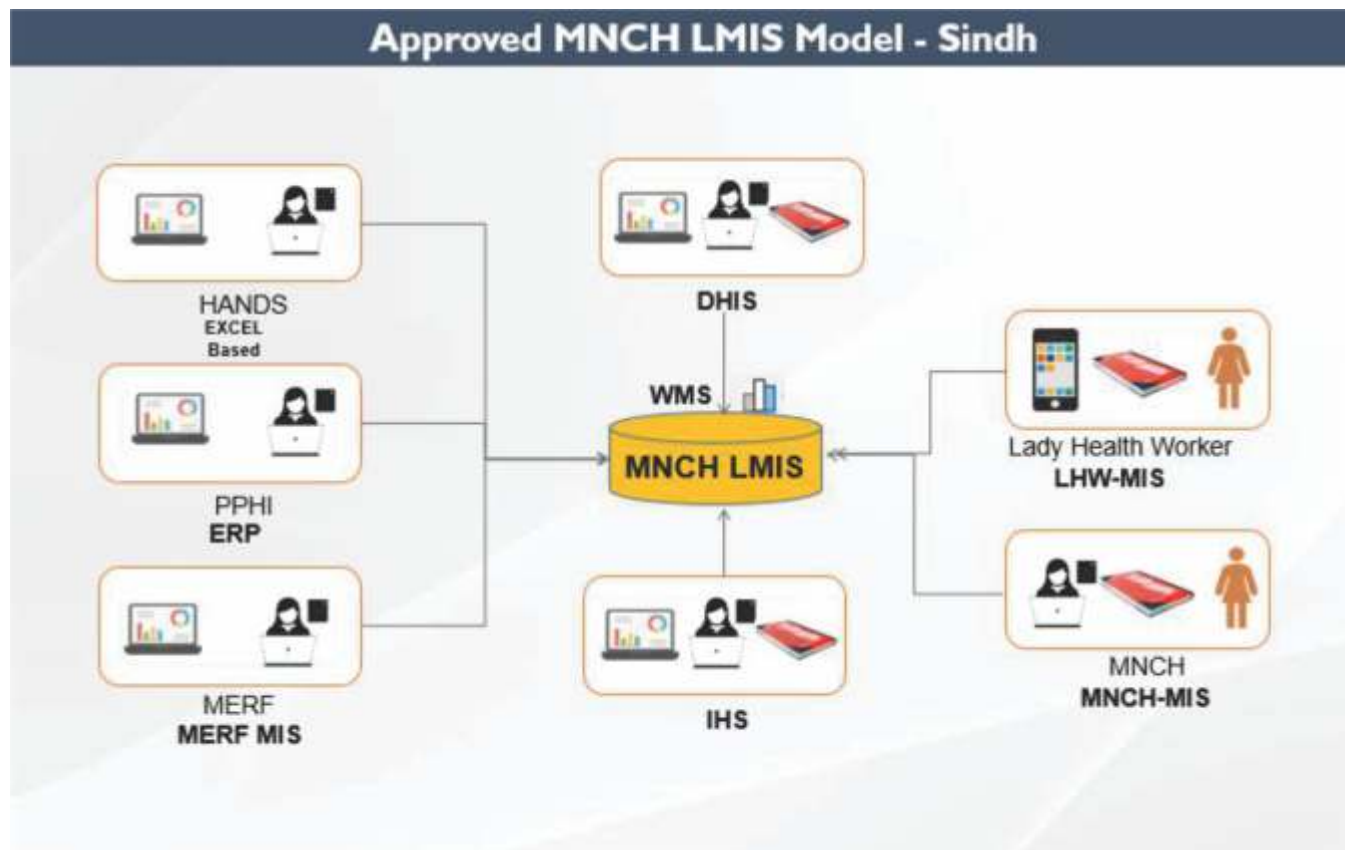
# Consultative Meeting on Indicators and Draft MNCH LMIS Design in Sindh

## FINAL AGENDA

Movenpick Ball Room, Karachi  
August 27, 2019

Time	Session	Facilitator
09:15	Registration & Introduction of Participants	UNICEF HLMIS Project
09:30	Project Status, Objectives & Updates	Mr. Zafar Jamil, Program Director, UNICEF HLMIS Project
09:45	Discussion on proposed LMIS indicators & design, integration plans with other information systems for various levels of health service delivery, Analytics & dashboards	Mr. Sardar Iftikhar, Director MIS Chemonics International Inc.  Mr. Ijaz Haider Malik Manager MIS UNICEF HLMIS Project
12:30	Closing Remarks by Chair	Dr. Masood Ahmed Solangi Director General Health Services, Government of Sindh
12:45	Way Forward & Vote of Thanks	Dr. Mumtaz Ali Brohi District Coordinator UNICEF HLMIS Project
13:00	Lunch & Dispersal	

## ANNEXURE C: Approved MNCH LMIS Model – Sindh



## ANNEX 22: MEETING CORRESPONDENCE AND MINUTES OF MNCH VEML REVISION AND FORECAST

The following are the contents of this annex:

1. Project's request to DGHS, Sindh for finalization of the MNCH VEML revision and the MNCH VEML forecast including a list of UNICEF HLMIS Project staff, the tentative agenda, and June 17, 2019 meeting minutes
2. Letter from DGHS, Sindh to the Project for confirmation of date finalization for the MNCH VEML revision and draft MNCH forecast on July 31, 2019
3. Letter from DGHS, Sindh to participants for confirmation of date finalization of MNCH VEML revision and draft MNCH forecast on July 31, 2019
4. DGHS, Sindh letters of notice of postponement of the July 31, 2019 meeting
5. DGHS, Sindh letter of notice of the rescheduled meeting date on August 21, 2019
6. Meeting minutes from revision of the MNCH VEML and draft MNCH VEML forecast Sindh shared with DGHS, Sindh (Final agenda, list of participants& revised MNCH VEML)



July 1, 2019

**Dr. Masood Ahmed Solangi**  
Director General Health Services,  
Government of Sindh

**Subject: Request to consult potential revision of VEML & Consensus on indicators for the MNCH Forecast**

Dear Dr. Masood Ahmed,

Chemonics International Inc. presents its compliments to the Department of Health, Government of Sindh and acknowledges your leadership support for public health supply chain system strengthening. We are very grateful for nomination of Dr. Ghulam Murtaza Memon to represent DOH in a consultative meeting of all public and private sector stakeholders in connection with launch of UNICEF HLMIS Project in Sindh on June 17, 2019 (*Minutes of the meetings are enclosed*). As a major outcome of the meeting, it was agreed that current MNCH-VEML will be reviewed and revised, if necessary, through a consultative process.

For this consultation, may I request you to indicate a date of your convenience and availability to chair the meeting, and nominate relevant staff. Project will make all logistics and administrative arrangements for the participants of the meeting.

Furthermore, to develop and implement MNCH-LMIS, the Project has onboarded staff district-based staff (Supply Chain Officers) to coordinate with district/sub-district level officials. Each district supply chain officer (SCO) will be looking after a cluster of districts, based upon geographic proximity (*list attached*). It will be highly appreciated if relevant district authorities including PPP node partners are informed about the staff representing the Project with a request to facilitate and provide suitable office space at the base districts as indicated in the list.

Looking forward to your kind confirmation.

**Dr. Muhammad Tariq**  
Country Director

**Enclosed:**

1. List of UNICEF HLMIS Sindh Staff
2. Tentative Agenda - Revision of MNCH VEML & Identification of Forecast Indicators
3. Minutes of Meeting – Inception Meeting of UNICEF HLMIS Project with Stakeholders

**Copy for information:**

4. Mr. Saeed Ahmed Awan, Secretary, Department of Health, Government of Sindh
5. Dr. Humaira Irshad, Programme Officer, UNICEF Country Office, Islamabad
6. Dr. Syed Kamal Asghar, Health Specialist, UNICEF – Sindh
7. Mr. Zafar Jamil, Program Director, UNICEF HLMIS Project, Islamabad
8. Dr. Tanweer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project, Karachi

UNICEF-HLMIS Project Sindh Staff				
#	Name	Designation	Base Districts	District Cluster
1.	Dr. Tanweer Hussain	Supply Chain Team Lead	Karachi	All Districts
2.	Dr. Mumtaz Ali Brohi	Regional Coordinator		
3.	Mr. Yar Muhammad	Supply Chain Officer	Hyderabad	Hyderabad, Matiari, Tando Muhammad Khan, Tando Allahyar, Badin, Jamshoro, Dadu, Thatta, Sujawal, Benazirabad and Naushahro Feroze (11)
4.	Mr. Yaqoob Laghari	Supply Chain Officer		
5.	Mr. Asif Ali Jatoi	Supply Chain Officer	Karachi	6 Districts of Karachi
6.	Mr. Tauseef Anwer Baig	Supply Chain Officer		
7.	Mr. Bansi Malhi	Supply Chain Officer	Mirpurkhas	Mirpurkhas, Umerkot, Tharparkar, Sanghar (4)
8.	Mr. Altaf Ahmed Gujjar	Supply Chain Officer	Ghotki	Ghotki, Kashmore, Jacobabad and Sukkur (4)
9.	Dr. Yousuf Sheikh	Supply Chain Officer	Larkana	Larkana, Qambar Shahdadkot, Shikarpur and Khairpur (4)

Islamabad Office, Plot 55-C, 20<sup>th</sup> Floor, Margallah Side, Ufone Tower, Jinnah Avenue, Islamabad, Phone no. +9251-8444 533-36

## **Consultative Workshop**

### Revision of MNCH VEML & Identification of Forecast Indicators

#### **TENTATIVE AGENDA**

Venue & Date: TBD

<i>Time</i>	<i>Session</i>	<i>Facilitator</i>
09:30	Registration & Participant Introduction	UNICEF HLMIS Project
09:45	Welcome Remarks	Dr. Syed Kamal Asghar, Health Specialist, UNICEF Sindh
10:10	UNICEF Health LMIS Project & MNCH Supply Chains System Strengthening	Mr. Zafar Jamil, Program Director, UNICEF HLMIS Project
10:20	Background & Rationale for Review and Discussion on Revision of VEML	Dr. Syed Asif Abbas, UNICEF HLMIS Project
11:45	Tea Break	
12:00	Discussion on Proposed MNCH VEML Forecasting indicators, Data Collection Methodology & Finalization	Dr. Syed Asif Abbas UNICEF HLMIS Project
13:15	Closing Remarks by Chair	Dr. Masood Ahmed Solangi Director General Health Services, Government of Sindh
13:30	Lunch	



## Minutes of Inception Meeting

### UNICEF Health LMIS (HLMIS) Project

#### Strengthening Maternal, Neonatal, and Child Health (MNCH) Supply Chain in Sindh & Punjab

Venue: Beach Luxury Hotel, Karachi

Monday, June 17, 2019

#### Background & Introduction

A meeting of relevant government and public private partnership node teams (*list of participants attached as Annexure-A*) was held on Monday, June 17, 2019. The purpose of the meeting was to apprise the participants about the Project, its intended outcomes and the proposed methodology of implementation.

#### Meeting Proceedings

Meeting started with recitation of Holy Quran followed by brief introduction of participant, UNICEF, Health Specialist, Dr. Syed Kamal Asghar briefed the participants formally about the award of the Project to Chemonics International Inc. for Supply Chains System Strengthening for Maternal, Neonatal, and Child Health. Major Project interventions that would include technical assistance (TA) to the provincial Health Departments to have greater visibility around MNCH very essential medicines (VEMs) through enhancement of current LMIS and carrying out necessary interfacing with relevant MISes. Furthermore, the Project will assist the Health Department, Government of Sindh in development of first ever five years forecast of MNCH VEMs.

Project Director, Mr. Zafar Jamil, briefed the participants about the scope of work of the Project. He also gave the details of Project team and its province wise deployment. Dr. Khurram Shahzad, Deputy Country Director, M&E and Human Resource Capacity discussed about MNCH VEML forecast and its way forward. Mr. Sardar Iftikhar, Director MIS discussed the MNCH VEML data visibility in relevant MISes of stakeholders followed by the larger group discussion on consensus building and way forward. (*Agenda of the meeting is attached as Annexure-B*)

Each stake holder gave a detailed account of respective supply chain flows including the reporting mechanism and its frequency. The details included procurement, warehousing/storage and distribution flows of MNCH VEML commodities and existing MISes capturing logistics data. These details will be incorporated in inception report and would assist in design and development of the MNCH LMIS. All participants agreed that current supply chain environment is highly fragmented and does not portray the real picture about commodity security of MNCH VEMLs. Greater data visibility is needed to take informed management decisions.

#### Action Points:

Following are the action points of the inception meeting;

- XI. It was decided to form a group of participants as focal persons of their respective programs/organization for sharing of data and information. This group will be consulted for LMIS development and its deployment
- XII. Based on the interaction with the participants and initial data collection, the Project will share draft inception report with the participants for incorporating their comments if any
- XIII. As mutually agreed, Project in close coordination with Department of Health, Sindh will, prior to developing forecast, review and update the MNCH Very Essential Medicine List (VEML) revised in 2017
- XIV. Project team will visit provincial offices of UNICEF, People's Primary Healthcare Initiative (PPHI) and Integrated Health Services (IHS) on June 18, 2019
- XV. As advised by the Health Specialist, UNICEF, the Project technical team will plan a visit to UNICEF and Nutrition warehouse located port Qasim managed by World Food Program (WFP) at an opportune time
- XVI. All stakeholders will share read only access of their MISes with the Project team
- XVII. The DHIS enhancements is still work in progress and Project will be coordinating with DHIS team Sindh till the time its updated
- XVIII. Project will coordinate closely with Department of Health, Government of Sindh for all district level interventions.

The meeting ended with the Vote of Thanks



## ANNEXURE – A

S#	Name	Designation	Organization
1.	Dr. Ghulam Murtaza	DHIS Coordinator	Department of Health
2.	Dr. Tasleem Khamisani	MIS GMMMCH Sukkur	Department of Health
3.	Dr. Zulfiqar Dharejo	Program Director	Sindh Lady Health Worker Program
4.	Dr. Sheeraz Hyder	Field Program Officer	Sindh Lady Health Worker Program
5.	Irfan Pirzada	MIS Coordinator	Sindh Lady Health Worker Program
6.	Dr. Zaib Dahar	Deputy Director	PPHI
7.	Noman Ahmed	Sr. Manager I. T	PPHI
8.	Amna Mahmood	Capacity Building Officer	Nutrition Support Program
9.	Haris Iqbal	Manager SCWH	IHS
10.	Nisar Ahmed	MEAL Manager	IHS
11.	Niaz Ali Brohi	Supply Chain Assistant	MERF
12.	Dr. Shahzad	Health Service Manager	MERF
13.	Dr. Syed Kamal Asghar	Health Specialist	UNICEF
14.	Dr. Sajjad	Consultant	UNICEF
15.	Zafar Jamil	Program Director	UNICEF-HLMIS Project
16.	Dr. Khurram Shahzad	Deputy Country Director, M&E & HRCD	GHSC-PSM project
17.	Sardar Iftikhar	Director MIS	GHSC-PSM project
18.	Dr. Tanweer Hussain	Supply Chain Team Lead - Sindh	UNICEF-HLMIS Project
19.	Saleha Manzoor	Supply Chain Manager	GHSC-PSM project

## ANNEXURE – B

### Inception Meeting UNICEF Health LMIS (HLMIS) Project Strengthening Maternal, Neonatal, and Child Health (MNCH) Supply Chain in Sindh & Punjab

#### AGENDA

Venue: Beach Luxury Hotel, Karachi  
Monday, June 17, 2019

Time	Session	Facilitator
10:00	Registration & Participant Introduction	
10:05	Welcome Remarks	Dr. Syed Kamal Asghar, Health Specialist, UNICEF
10:15	Introduction & Scope of Work of UNICEF HLMIS Project	Mr. Zafar Jamil, Program Director, UNICEF HLMIS Project
10:45	MNCH VEML Forecast – Way Forward	Dr. Khurram Shahzad, Deputy Country Director, M&E, HRCD & FO
11:15	Tea Break	
11:30	MNCH VEML Data Visibility using existing LMIS platform	Mr. Sardar Iftikhar, Director MIS
12:00	Large Group Discussion – Consensus building	Participants/All stakeholders
12:45	Wrap Up and Next Steps	Mr. Zafar Jamil, Program Director, UNICEF HLMIS Project
13:00	Lunch	
14:00	Work on Inception Report	UNICEF HLMIS Project staff



NO.DGHSS/PH-Wing/(chemonics)/5571-73  
 DIRECTORATE GENERAL  
 HEALTH SERVICES SINDH  
 Hyderabad Dated: 22-07-2019  
 email: dghealthsindh@sindhhealth.gov.pk

To,

Dr. Muhammad Tariq,  
 Country Director,  
 USAID Global Chain Program-Procurement & Supply Management,  
 Islamabad.

**SUBJECT REQUEST TO CONSULT POTENTIAL REVISION OF VEML & CONSENSUS ON INDICATORS FOR THE MNCH FORECAST**

**Reference: Your office letter No. Chemonics dated: July 1, 2019.**

With the reference quoted above, it is appreciated that Chemonics has always played a vital role and provided valuable assistance to health department, Government of Sindh. In the context of your letter the tentative date for the said meeting is proposed to be July 31<sup>st</sup>, 2019. You are requested to organize the said meeting on the mentioned date.

**DR. MASOOD AHMED SOLANGI**  
 DIRECTOR GENERAL  
 HEALTH SERVICES SINDH @ HYDERABAD

**Copy forwarded for information: -**

- The Secretary to Government of Sindh, Health Department, Karachi
- The P.S to Minister for Health & Population Welfare Department, Government of Sindh, Karachi.

# Consultative Workshop

## Revision of MNCH VEML & Identification of Forecast Indicators

### AGENDA

Date: July 31, 2019 - Hyderabad

Time	Session	Facilitator
09:30	Registration & Participant Introduction	UNICEF HLMIS Project
09:45	Welcome Remarks	Dr. Syed Kamal Asghar, Health Specialist, UNICEF Sindh
10:10	UNICEF Health LMIS Project & MNCH Supply Chains System Strengthening	Mr. Zafar Jamil, Program Director, UNICEF HLMIS Project
10:20	Background & Rationale for Review and Discussion on Revision of VEML	Dr. Syed Asif Abbas, UNICEF HLMIS Project
11:45	Tea Break	
12:00	Discussion on Proposed MNCH VEML Forecasting indicators, Data Collection Methodology & Finalization	Dr. Syed Asif Abbas UNICEF HLMIS Project
13:15	Closing Remarks by Chair	Dr. Masood Ahmed Solangi Director General Health Services, Government of Sindh
13:30	Lunch	



NO. DGHSS/PH Wing/chemonics/5645-26  
**DIRECTORATE GENERAL  
 HEALTH SERVICES SINDH**  
 Hyderabad Dated: 25-07-2019  
 email: dghealthsindh@sindhhealth.gov.pk

To,

**The Participants**  
 (List Attached).

**SUBJECT: CONSULTATIVE MEETING ON POTENTIAL REVISION OF VEML  
 & CONSENSUS ON INDICATORS FOR THE MNCH FORECAST**

It is to inform that meeting has been scheduled on July 31<sup>st</sup>, 2019, 9:30am at committee room of this Directorate General Health Services, Sindh, Hyderabad office for review and revised of current MNCH-VEML with collaboration of Chemonics International (UNICEF HLMIS Project). The Meeting will be chaired by undersigned.

You are advised to attend the said meeting within given time positively.

**DR. MASOOD AHMED SOLANGI**  
 DIRECTOR GENERAL  
 HEALTH SERVICES SINDH @ HYDERABAD

*Copy forwarded for information: -*

- The Secretary to Government of Sindh, Health department, Karachi
- The PS to Minister Health and Population Welfare department, Government of Sindh, Karachi
- Dr. Muhammed Tariq, Country Director, Chemonics International, Islamabad
- Dr. Tanveer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project, Karachi
- Dr. Mumtaz Brohi, Coordinator, UNICEF HLMIS Project, Hyderabad



4



**DIRECTORATE GENERAL HEALTH SERVICES  
SINDH @ HYDERABAD**

Phone # 022-9249106 Fax # 022-9240100

E-mail: dghealthsindh@sindhhealth.pk

No. DGHSS/ - (PH-Wing-35)(Chemonics)-569/5705

DATED

30-07-2019

To,

**The Participants,  
List attached.**

**SUBJECT:-**

**CONSULTATIVE MEETING ON POTENTIAL REVISION OF VEML  
& CONSUSSENSUS ON INDICATORS FOR THE MNCH FORECAST.**

**Reference:-**

**This office letter No. DGHSS/PH-Wing(Chemonics)5645/26 dated  
25-07-2019**

It is to inform you that the subjected meeting on Potential Revision of  
VEML & Consensus on Indicators for the MNCH Forecast scheduled to be held on  
31-07-2019 at 09:30 am in the committee room of this office has been postponed, due to  
heavy rain. The new date will be communicated later on.

**For DIRECTOR GENERAL  
HEALTH SERVICES SINDH AT HYDERABAD**

**Copy forwarded for information:**

1. The Secretary, Government of Sindh, Health Department Karachi.
2. The PS to Minister Health and Population Welfare Department Government of Sindh Karachi.
3. Dr. Muhammad Tariq, Country Director, Chemonics International, Islamabad.
4. Dr. Tanveer Hussain, SupplyChain Team Lead, UNICEF HLMIS Project Karachi.
5. Dr. Mumtaz Brohi Coordinator UNICEF HLMIS Project, Hyderabad.



**DIRECTORATE GENERAL HEALTH SERVICES**

**SINDH @ HYDERABAD**

Phone # 022-9240106 Fax # 022-9240100

E-mail: [dghealthsindh@sindhhealth.pk](mailto:dghealthsindh@sindhhealth.pk)

No. DGHSS/ - (PH-Wing-35(Chemonics))- *5964/94*

DATED

16-08-2019

To,

The Participants,  
List attached.

SUBJECT:-

**CONSULTATIVE MEETING ON POTENTIAL REVISION OF VEML  
& CONSENSUS ON INDICATORS FOR THE MNCH FORECAST.**

Reference:-

This office letter No. DGHSS/PH-Wing(Chemonics)5645/26 dated 25-07-2019 and No. 5690/5705 dated 30-07-2019.

It is to inform you that the subjected meeting on Potential Revision of VEML & Consensus on Indicators for the MNCH Forecast has been re-scheduled on 21-08-2019 at 09:30 am in the committee room of this Directorate General Health Services Sindh Hyderabad. The meeting will be chaired by the undersigned.

You are hereby advised to attend the subjected meeting as per schedule positively. The Agenda is enclosed herewith.

**(DR. MASOOD AHMED SOLANGI)**  
DIRECTOR GENERAL  
HEALTH SERVICES SINDH AT HYDERABAD

Copy forwarded for information:

1. The Secretary, Government of Sindh, Health Department Karachi.
2. The PS to Minister Health and Population Welfare Department Govperment of Sindh Karachi.
3. Dr. Muhammad Tariq, Country Director, Chemonics International, Islamabad.
4. Dr. Tanveer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project Karachi.
5. Dr. Mumtaz Brohi Coordinator, UNICEF HLMIS Project, Hyderabad.

D:\E Drive Data\Trg-35.doc

## Minutes of Consultative Meeting

### UNICEF Health LMIS (HLMIS) Project

#### Strengthening Maternal, Neonatal, and Child Health (MNCH) Supply Chain in Sindh & Punjab

Venue: Director General Health Office - Sindh

Wednesday, August 21, 2019

#### Background & Introduction

Chemonics International Inc. through UNICEF funding has been awarded a one-year project for supply chain system strengthening of Maternal, Neonatal and Child Health (MNCH) for bringing visibility to MNCH Very Essential Medicine (VEMs) through MNCH LMIS with focus on diarrhea and pneumonia products.

As an action point of the inception meeting held with public and private sector stakeholders of Sindh on June 17, 2019 and also as part of Deliverable – 2 of the Project, a consultative meeting on revision of MNCH VEML of Sindh (previously notified by DGHS, Sindh in 2017) was held on Wednesday, August 21, 2019 at Director General Health Services (DGHS) Office, Hyderabad, Sindh. Further, the meeting aimed to discuss and develop consensus on factors contributing to forecast strategy for revised MNCH VEML. The meeting was chaired by DG Health, Sindh and was fully represented by all public, private sector stakeholders including Health Department Sindh, Public Private Partnership (PPP) node partners & development partners i.e. Program Managers of different vertical programs, Sindh Lady Health Worker (LHW) Program, Women Medical Officers (WMOs) and Specialists (Gynecologists and Pediatrician) from Services Hospital, Hyderabad, Medical Emergency Resilience Foundation (MERF), and World Health Organization (WHO) (*List of participants - Annexure-A*)

#### Meeting Proceedings

Meeting started with the recitation of Holy Quran followed by brief introduction of the participant. Dr. Masood Ahmed Solangi, DGHS Sindh during opening remarks appreciated the efforts of UNICEF and Chemonics towards MNCH supply chain system strengthening in the province with focus on Pneumonia & Diarrhea. He also acknowledged the collaborative efforts of both partners in devising first ever 5-year MNCH VEML forecast strategy that would help the Government in determining the needs of MNCH VEML for the entire province, that would ultimately contribute towards increased availability of these priority medicines. (*Agenda of the meeting - Annexure-B*)

Program Director, Mr. Zafar Jamil briefed the participants about the Project's scope of work and major interventions that would include technical assistance (TA) to the provincial Health Department of Sindh for devising strategy for MNCH VEML forecast for Sindh, that would improve the financing environment of these products and their availability at the last mile. He also explained about the Project's TA to provincial health departments of Sindh & Punjab to bring greater visibility around MNCH VEMs through enhancement of current LMIS and carrying out necessary interfacing with relevant MISes in the provinces.

Sr. Forecasting and Supply Planning (FASP) Specialist. Dr. Asif Abbas while highlighting the objectives of the meeting presented the background and rationale for review of MNCH VEML notified in 2017. All participants reviewed the MNCH VEML and gave their mutual feedback for incorporation of some of the most essential medicines in the list, which was finalized with addition of three medicines in previously notified list.

Leading the second technical session of the workshop, Dr. Asif briefly discussed the quantification process and the baseline indicators that contribute towards scientific forecasting of health products and possible data acquisition sources. Discussions were held around the proposed indicators and factors, data requirements & collection process, methodology and model. Participants expressed their views that only demographic and morbidity data sets are available while no or very limited data is available for logistics and services of MNCH VEML products. Challenges and limitations for development of forecast strategy were also discussed followed by the way forward.



All participants agreed on the absence of a structured forecasting mechanism and the need for scientific forecasting methodology for ensuring access to the very essential MNCH products that would ultimately lead to reduced child mortality and morbidity. As a way forward, MNCH VEML forecast factors were identified and model was approved with mutual consensus.

The meeting ended with vote of thanks by district coordinator of the Project

#### Action Points:

Following are the action points of the consultative meeting;

- I. MNCH VEML has been revised with incorporation of three priority medicines into the list. Revised list will be notified by DGHS Sindh (*Revised MNCH VEML Sindh 2019 - Annexure-C*)
- II. Factors attributing towards forecast were identified and approved by the participants following detailed discussions and deliberations (*Approved factors contributing to MNCH VEML forecast strategy - Annexure-D*)
- III. Project will provide TA to DOH Sindh for developing five-year provincial MNCH VEML forecast strategy for which DOH will extend full cooperation and support to the Project for data collection
- IV. Provincial MNCH VEML forecast can be adapted for developing forecast of any district by incorporating district population.
- V. The draft strategy for MNCH VEML forecast will be disseminated in a follow up meeting with Health Department Sindh for review, finalization & endorsement



## ANNEXURE – A; List of Participants

#	Name	Designation	Organization
1	Dr. Masood Ahmed Solangi	Director General Health Sindh	Health Department Sindh, Hyderabad
2	Dr. Naveed Masood	TSO-PDSRU	Health Department Sindh, Hyderabad
3	Dr. Aftab Ahmed Kazi	Deputy Director (Programs)	Health Department Sindh, Hyderabad
4	Dr. Ghayas Sanjrani	Assistant Director	Health Department Sindh, Hyderabad
5	Dr. Moosa Qazi	Assistant Director Health	Health Department Sindh, Hyderabad
6	Dr. Yar Muhammad Khoso	Additional Director Public Health	Health Department Sindh, Hyderabad
7	Ms. Zahida Shah	Health Education Officer	Health Department Sindh, Hyderabad
8	Mr. Shahnawaz	IT-Incharge	Health Department Sindh, Hyderabad
9	Mr. Qurban Ali	Statistical Officer	Health Department Sindh, Hyderabad
10	Dr. Ghulam Murtaza Memon	DHIS Coordinator	Health Department Sindh, Hyderabad
11	Dr. Abdul Sattar	ADD, Sindh LHW Program	Health Department Sindh, Hyderabad
12	Dr. Maqsood Ahmed Abbasi	DHO Hyderabad	Health Department Sindh, Hyderabad
13	Dr. Parvez Ahmed	ADHO	Health Department Sindh, Hyderabad
14	Dr. Pritam Jasrani	PD MNCH	Health Department Sindh, Hyderabad
15	Dr. Abdul Khaliq Domki	Additional Director, TB Control Program	Health Department Sindh, Hyderabad
16	Dr. Mahmood Iqbal	Program Manager, P&C Program for Dengue	Health Department Sindh, Hyderabad
17	Dr. Waqar Mehmood Memon	PM Nutrition Support Program	Health Department Sindh, Hyderabad
18	Dr. Jairam Das	Comm. Officer, MNCH Program	Health Department Sindh, Hyderabad
19	Dr. Fareena Memon	WMO FP, Sindh Lady Health Worker Program	Health Department Sindh, Hyderabad
20	Dr. Saeeda Memon	Gynaecologist	Services Hospital, Hyderabad
21	Dr. Muhammad Azam Memon	Pediatrician	Services Hospital, Hyderabad
22	Dr. Jahan Ara	Dermatologist	Services Hospital, Hyderabad
23	Dr. Shehzeen Kherro	Cardiologist	Services Hospital, Hyderabad
24	Dr. Pareesa Mohsin	WMO	SG Hospital, Qasimabad
25	Dr. Aneela	WMO	SG Hospital, Paretabad
26	Dr. Kiran Batool	WMO	SG Hospital, Shah Bhittai
27	Dr. Abiba Parveen	Gynaecologist	SG Hospital, Shah Bhittai
28	Dr. Syed Kamal Asghar	Health Specialist	UNICEF Sindh
29	Dr. Badar Munir	NPO-MNCH	WHO Sindh
30	Dr. Shahzad Ali	Health Services Manager	MERF
31	Dr. Soomar Khan	Senior Health Consultant, Contech International	Health Department Sindh, Hyderabad
32	Mr. Zafar Jamil	Program Director	UNICEF-HLMIS Project
33	Dr. Tanweer Hussain	Provincial Team Lead-Sindh	UNICEF-HLMIS Project
34	Dr. Mumtaz Brohi	District Coordinator-Sindh	UNICEF-HLMIS Project
35	Ms. Saleha Manzoor	Supply Chain Manager	Chemonics International Inc.
36	Dr. Asif Abbas	Sr. FASP Consultant	UNICEF-HLMIS Project
37	Mr. Yar Muhammad Khan	Supply Chain Officer	UNICEF-HLMIS Project
38	Mr. Tanzeeb Ali Abro	Admin & Finance Officer	UNICEF-HLMIS Project

## ANNEXURE – B; Meeting Agenda

# Consultative Workshop

## Revision of MNCH VEML & Identification of Forecast Indicators

### FINAL AGENDA

Date: August 21, 2019 - Hyderabad

Time	Session	Facilitator
09:30	Registration & Participant Introduction	UNICEF HLMIS Project
09:45	Welcome Remarks by the Chair	Dr. Masood Ahmed Solangi Director General Health Services, Government of Sindh
10:00	Remarks by UNICEF	Dr. Syed Kamal Asghar, Health Specialist, UNICEF Sindh
10:10	UNICEF Health LMIS Project & MNCH Supply Chains System Strengthening	Mr. Zafar Jamil, Program Director, UNICEF HLMIS Project
10:20	Background & Rationale for Review and Discussion on Revision of VEML	Dr. Syed Asif Abbas, Sr. FASP Specialist UNICEF HLMIS Project
11:45	Tea Break	
12:00	Discussion on Proposed MNCH VEML Forecasting indicators, Data Collection Methodology & Finalization	Dr. Syed Asif Abbas Sr. FASP Specialist UNICEF HLMIS Project
13:15	Way Forward & Vote of Thanks	Dr. Tanweer Hussain/Dr. Mumtaz Brohi Team Lead Sindh/District Coordinator, UNICEF HLMIS Project
13:30	Lunch	



## ANNEXURE – C; Revised MNCH VEML Sindh 2019

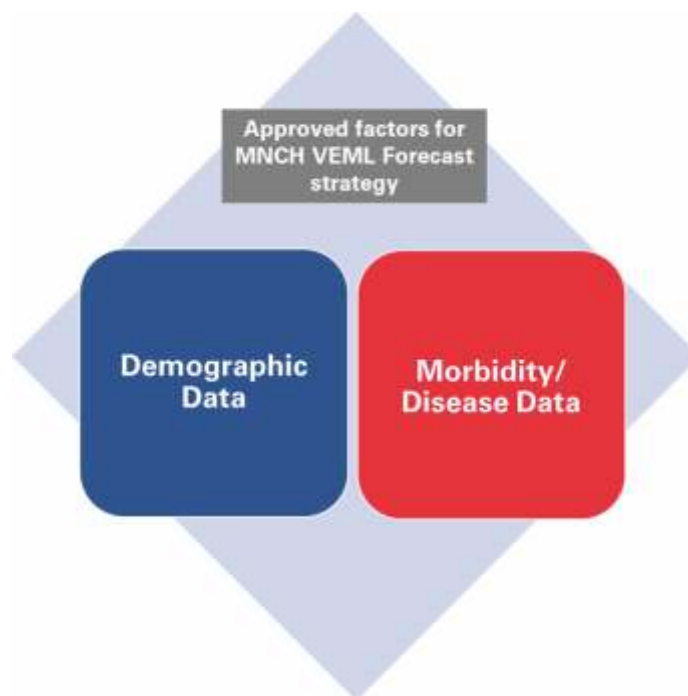


### Revised MNCH Very Essential Medicines List Department of Health, Government of Sindh 2019

Sr. #	Generic Drug Name	Form	Strength	Primary Health Care Facilities					Secondary Health Care Facilities	
				LHW	CMW	CD	BHU	RHC	THQ	DHQ
Oxytocic										
1	Misoprostol	tablets	200 mcg		✓		✓	✓	✓	✓
2	Oxytocin	injection	10 IU in 1-ml		✓		✓	✓	✓	✓
Parental Solution Correcting Water, Electrolyte & Acid Base Balance										
3	Sodium chloride	infusion	0.9 %			✓	✓	✓	✓	✓
4	Sodium lactate	ringer's lactate infusion	infusion,1000ml contains calcium chloride 0.2gm; potassium chloride 0.3gm; sodium chloride 6 gm; sodium lactate 3.1gm; sterile water for injection			✓	✓	✓	✓	✓
5	Dextrose	infusion	5 & 10%			✓	✓	✓	✓	✓
Anticonvulsants										
6	Magnesium sulphate	injection	300mg/ml (Eclampsia only)		✓	✓	✓	✓	✓	✓
7	Diazepam*	rectal gel/solution	5 mg/ml in 0.5 ml, 2 ml, 4 ml tubes				✓	✓	✓	✓
		injection	10 mg				✓	✓	✓	✓
Antihypertensive										
8	Hydralazine* (hydrochloride)	injection	powder for injection 20 mg			✗	✗	✗	✓	✓
		tablets	25 & 50 mg			✗	✗	✗	✓	✓
9	Methyldopa	tablet	250 mg; 500 mg				✓	✓	✓	✓
Medicines Used in Diarrhea										
10	Low osmolality oral rehydration salts	dry mixture (low osmolality formula) in sachet for 1 liter of solution	each sachet contains glucose anhydrous 13.5 gm, trisodium citrate dihydrate 2.9 gm, potassium chloride 1.5gm, sodium chloride 2.6gm B.P.	✓	✓	✓	✓	✓	✓	✓
11	Zinc sulphate	scored dispersible tablets/syrup	20 mg	✓	✓	✓	✓	✓	✓	✓
Fat-soluble vitamins										
12	Vitamin A	capsules	500,000; 100,000IU; 200,000IU		✓	✓	✓	✓	✓	✓
13	Vitamin K1* (phytonadione)	injection	10 mg			✗	✗	✓	✓	✓
Pain & Palliative Care										
14	Paracetamol	syrup	120 mg / 5 ml	✓	✓	✓	✓	✓	✓	✓
		tablets	500 mg	✓	✓	✓	✓	✓	✓	✓
		Injection	150 mg / ml			✗	✗	✓	✓	✓
		suppository	100 mg			✗	✓	✓	✓	✓
Antiseptic										
15	Chlorhexidine gluconate (2.1%)	gel	equivalent to 4 % chlorhexidine	✓	✓	✓	✓	✓	✓	✓
Anti-anemia										
16	Ferrous salt + folic acid	tablets	equivalent to 60 mg iron + 400 mcg folic acid	✓	✓	✓	✓	✓	✓	✓
Anthelmintic										
17	Mebendazole	tablets chewable	100 mg (Adults only)	✓	✓	✓	✓	✓	✓	✓
		syrup	100 mg per 5 ml	✓	✓	✗	✓	✗	✓	✓
Anti-asthmatic / Bronchodilator										
18	Salbutamol	tablets	2 & 4 mg			✓	✓	✓	✓	✓
		syrup	2 mg per 5 ml				✓	✓	✓	✓
		solution	5 mg / ml			✗	✓	✓	✓	✓
Anti-Allergic & Anaphylactic										
19	Chlorpheniramine maleate	tablets	4 mg			✓	✓	✓	✓	✓
		syrup	2 mg per 5 ml			✓	✓	✓	✓	✓
		injection	10 mg /ml			✗	✓	✓	✓	✓
20	Dexamethasone (disodium phosphate)	injection	4 mg (as disodium salt) in 1-ml				✓	✓	✓	✓
		tablet	0.5 mg			✗	✓	✓	✓	✓
Antibacterial										
21	Ampicillin (as sodium salt)	injection	250 mg			✗	✓	✓	✓	✓
		syrup	125 & 250 mg / 5 ml			✗	✗	✓	✓	✓
		capsules	250; 500 mg			✗	✗	✓	✓	✓
22	Ceftriaxone	injection	250 mg; 500; 1 gm				✗	✗	✓	✓
		infusion	5 mg / ml in 100-ml			✗	✗	✓	✓	✓
23	Metronidazole	tablet	200; 400 mg		✓	✓	✓	✓	✓	✓
		syrup	200 mg / 5 ml		✓	✓	✓	✓	✓	✓
24	Gentamycin	injection	40 mg; 80 mg			✗	✗	✓	✓	✓
		injection	250 mg; 500 mg			✗	✓	✓	✓	✓
25	Amoxicillin	Dispersible tablet / capsule	500 mg; 250 mg	✓	✓		✓	✓	✓	✓
		syrup	125 mg; 250 mg / 5 ml	✓	✓	✓	✓	✓	✓	✓

\* Restricted items; will only be provided to trained staff

## ANNEXURE – D; Approved factors contributing to revised MNCH VEML Forecast Strategy



## ANNEX 23: REQUEST LETTER TO DHO ICT BY THE PROJECT AND THEIR RESPONSE

Following lists are part of this annex:

1. Project's letter to DHO, ICT requesting for facilitation of Chemonics team for visit to any ICT facility (One pager- UNICEF HLMIS Project enclosed)
2. DHO ICT Letter to the Project for confirmation of visit to RHC Tarlai on August 7, 2019

1



August 2, 2019

**Dr. Muhammad Najeeb Khan Durrani,**  
Director Health Officer,  
Islamabad Capital Territory (ICT)

**Subject: Request for Facilitation of Chemonics team for visit to any ICT Health Facility**

Dear Dr. Najeeb Khan,

Chemonics International Inc., presents its compliments and acknowledges the role of District Health Office for improving health indicators and supply chain systems in the Islamabad Capital Territory.

I am pleased to inform that under the Pneumonia and Diarrhea Project, UNICEF is supporting Department of Health (DoH) Punjab & Sindh in establishing MNCH Logistic Management Information System (LMIS), and Chemonics International Inc. has been commissioned to design, develop and deploy the system. In close coordination and support of Ministry of National Health Services, Regulations & Coordination (MoNHSR&C), the Inception Report, being first deliverable, was disseminated in a larger meeting of provincial health departments on July 29<sup>th</sup>, 2019 at the Health Services Academy, Islamabad.

I am pleased to introduce Mr. Jonathan Gatke, Program Manager, Chemonics Head Quarters in Washington. Given his presence in Pakistan, it will be good if he can make observations for better supporting the project. We would highly appreciate if his visit to any of the nearby health facilities (BHU or RHC) be coordinated on Wednesday, August 7, 2019 during working hours. Your kind nomination of a suitable facility in ICT for the visit of Mr. Jonathan and advisory to the relevant staff for facilitation will be highly appreciated.

Looking forward to your kind response and facilitation

**Dr. Muhammad Tariq**  
Country Director

Enclosed: UNICEF HLMIS Project Brief

Copy for information:

1. Dr. Assad Hafeez, Director General Health, MoNHSR&C, Islamabad
2. Dr. Hanadi Mostafa, Health Specialist, UNICEF Country Representative, Islamabad

## UNICEF HEALTH LMIS PROJECT

### System Strengthening for Maternal, Neonatal and Child Health Supply Chains in Sindh and Punjab

#### Introduction and Background

The most recently estimated Maternal Mortality Ratio (MMR) in Pakistan, is about 178 deaths per 100,000 live births—one of the highest rates in the world. Only 55% of pregnant women deliver at health facilities, and skilled attendance at birth remains low at 52%. Neonatal, infant, under-five mortality and annual deaths due to diarrhea and pneumonia are shown in Fig 1. and 2, respectively. Various progressive interventions of Government and stakeholders have been made to improve the maternal, newborn and child health care in Pakistan under the Global Action Plan for Pneumonia & Diarrhea (GAPPD) launched by WHO and UNICEF with the goal to end preventable childhood deaths due to pneumonia and diarrhea by 2025 and in line with the Integrated Management of Neonatal and Childhood Illness (IMNCI) guidelines. As a part of the child survival project, funded by Bill and Melinda Gates Foundation (BMGF), UNICEF is supporting the Governments of Sindh and Punjab by providing technical support to develop need-based procurement/supply plans with improved quantification and forecasting for pneumonia and diarrhea commodities. This target can only be achieved by establishing an effective Logistics Management Information System (LMIS) and its linkages with the District Health Information System (DHIS). For this purpose, UNICEF has awarded a one-year contract to Chemonics International Inc. to develop an integrated LMIS for MNCH that includes all Very Essential Medicine List (VEML) products in Sindh and Punjab and to build capacity for using the system. The UNICEF Health LMIS project leverages USAID GHSC-PSM project's platform by cost-sharing the staff, office space, and training resources. The experienced staff of GHSC-PSM, Pakistan providing strategic guidance and oversight is a big advantage to the project.



Fig. 1: Neonatal, Infant and Under-five Mortality per 1000 Live Births [1]

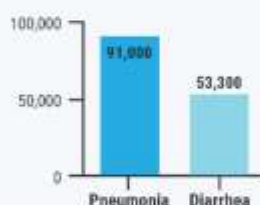


Fig. 2: Annual Deaths due to Diarrhea and Pneumonia [2]

#### Project Scope

The project scope includes designing, development and deployment of a real-time LMIS around respective MNCH VEML products for the provinces of Punjab (Five districts: Muzaffargarh, Bahawalnagar, DG Khan, Pakpattan, Rahim Yar Khan) and Sindh (all 29 districts), reflecting transactional data at multiple levels of healthcare. This model will be a comprehensive MNCH-LMIS and would serve as an all-inclusive system, encompassing all data fields in real-time. Analytics will be an inherent part of the system, with a minimum number of indicators making it an absolute decision-making tool for different tiers of health management. MNCH VEML five-year forecast for Sindh, based on mortality, morbidity, logistics and demographics data.



Fig. 3: Geographic focus-UNICEF HLMIS Project

unicef   
for every child

#### Pakistan

##### Project Deliverables

- Inception report & execution plan
- Technical Report for approved indicators for MNCH-VEML forecast, Sindh and LMIS Design
- MNCH LMIS 1st Version & five year forecast Sindh
- Final version MNCH LMIS
- Report for IT Hardware Need Assessment Report
- Training of Government Staff
- UNICEF MNCH MIS Final report

##### Consideration for Development of MNCH LMIS

- Design with the user understanding and existing ecosystem
- Design for scalability
- Build for sustainability
- Be data driven
- Use an open approach
- Address privacy and security
- Be Collaborative

[1] USAID GHSC-PSM First Forecasting Exercise for the Very Essential MNCH Commodities selected by the Department of Health, Government of Punjab, Khyber Pakhtunkhwa & Balochistan  
[2] Interventions to address deaths from childhood Pneumonia and Diarrhea: what works and at what cost? (Vol 1 second, Volume 3B), No. 6875, p. 1417-1425, 28 April 2013



## UNICEF HEALTH LMIS PROJECT

### Major Implementation Tasks

1. Develop an integrated computerized LMIS, design a software solution, test the software, write the reference material, deploy the software and conduct training at provincial and district levels
2. Capture data transactions at multiple levels of healthcare on one platform, integrate it into the unified e-health systems used at various vertical programs like vLMIS, eLMIS, LHMIS, MNCH MIS etc.
3. Determine IT-related infrastructure capacity at each level of the planned network, including computers, phonelines, and internet access at each point (central, mid-level, health facilities).
4. Conduct detail assessment for the need of equipment and staff for the implementation of LMIS Integration
5. Develop capacity of provincial and district staff on use of software and reporting mechanism
6. Forecast MNCH very essential medicines for five years in Sindh, based on morbidity, mortality, supply, consumption and demographic indicators to support Department of Health for strengthening the supply chain system of these commodities

### Expected Outcome and Impact

The project system strengthening TA is fully aligned with goals and targets of Government of Pakistan envisaged as National Health Vision 2025, Universal Health Coverage (UHC), Sustainable Development Goals -3 (SDG-3), provincial MNCH strategies & PC-1s. The project is expected to result in significant reduction in maternal and infant mortality rates caused due to diarrhea and pneumonia. HLMIS reporting will improve storage practices, thus reducing waste and expiry of commodities. This will have a positive impact on improving commodity security of VEML products in the two provinces (Sindh and Punjab), avert stock-outs, improve data quality and visibility at all levels, reduce wastage of resources, optimize financing as well as enhance the decision making ability of the government's health managers and supply chain professionals in terms of data management, forecasting and supply planning. Better record-keeping is also likely to improve transparency and reduce pilferage. In essence, the project will help significantly improve the accessibility of quality health care products to women and children in need, regardless of their location or socio-economic background (Fig. 3).

### Improved Mother and Child Health

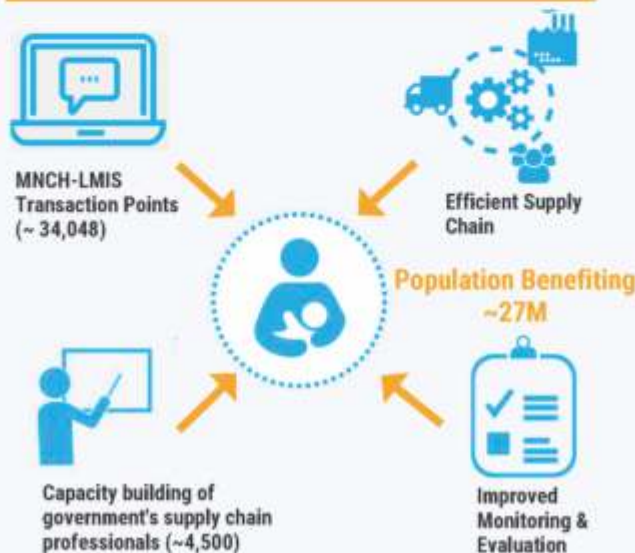


Fig. 4: Estimated Impact of HLMIS Project



**GOVERNMENT OF PAKISTAN  
OFFICE OF THE DISTRICT HEALTH OFFICER  
ISLAMABAD**

No. 21(03)-Health/ICT/2019/1529

Dated: 5<sup>th</sup> August, 2019

**To:** **Dr. Nadeem Gondal**  
Medical Officer RHC, Tarlai  
Islamabad.

**SUBJECT: HIGH PROFILE VISIT AT RHC TARLAI, 7<sup>th</sup> AUGUST 2019**

With reference to the ongoing efforts towards establishing MNCH Logistic management Information System (LMIS) under Pneumonia and Diarrhea project (UNICEF), and Chemonics International Inc. has been commissioned to designed, developed and deploy the system.

As such the Program manager, Chemonics International Head Quarters (Washington) will visit RHC Tarlai on Wednesday 7<sup>th</sup> August 2019, during working hours to make observation for better supporting the project.

You are directed to take all possible measures to make this high profile visit a success by your presence and facilitation.

(Copy of request is attached)

  
**District Health Officer**  
**Health Department**  
**Islamabad**

**Copy to:-**

- Dr. Assad Hafeez DG Health Ministry of NHR&C, Islamabad
- Dr. Muhammad Tariq, Country Director, Chemonics.



# ANNEX 24: MEETING AGENDA AND MINUTES – PROJECT PROGRESS UPDATE

## Minutes of Meeting

### UNICEF Health LMIS (HLMIS) Progress and Updates - Punjab

Strengthening Maternal, Neonatal, and Child Health (MNCH) Supply Chain in Sindh & Sindh

Venue: IRMNCH & NP Provincial Office, Lahore

Tuesday, August 28, 2019

#### Background & Introduction

Chemonics International Inc. through UNICEF funding has been awarded a one-year project for supply chain system strengthening of Maternal, Neonatal and Child Health (MNCH) for bringing visibility to MNCH Very Essential Medicine (VEMs) through MNCH LMIS with focus on diarrhea and pneumonia products.

To discuss the so far progress of UNICEF-HLMIS Project, a meeting with IRMNCH Punjab and UNICEF team, was held at IRMNCH & Nutrition Program Office at 5-Montgomery Road, Lahore ([List of participants - Annexure-A](#))

#### Meeting Proceedings

Meeting started with the recitation of Holy Quran followed by the welcoming remarks by Dr. Muhammad Tariq, Country Director, Chemonics International. Punjab Team Lead, UNICEF HLMIS Project apprised the participants on Project's engagement with stakeholders, field survey conducted in five selected districts (50 facilities) of Punjab focused on supply chain indicators and logistics reporting systems and approved MNCH LMIS design to be developed and implemented in the Province through a detailed presentation. The participants were also briefed about the implementation of Warehouse Management System – LMIS at IRMNCH provincial store and were given a live run down on the system. ([Meeting Agenda – Annexure-B](#))

Senior Consultant, IRMNCH & NP, Dr. Akhtar Rasheed, while appreciating the efforts made jointly by UNICEF and Chemonics requested for a quick stock assessment of health facilities and its comparison with the stock data collected by Monitoring Evaluation Assistants (MEAs).

Program Director, Dr. Mukhtar Hussain Syed, expressed the confidence that the HLMIS implementation will enable the policy makers to take evidence-based decisions, contributing towards timely product availability at the end user level.

Given the engagement and credibility of Chemonics on design, development and deployment of supply chain information systems, UNICEF discussed potential ways of contributing to planning the DHIS2 establishment and enrolment plan in Punjab.

#### Action Points

Following are the action points of the consultative meeting;

1. Project would have a separate meeting with IRMNCH & NP leadership to prioritize its action in line with program objectives.
2. It was proposed by UNICEF that a costed implementation plan could be delivered along with deliverable 5 in November, this year instead of December.
3. Project staff in Punjab will carry out comparative analysis of UNICEF assisted formative assessment and Monitoring and Evaluation Assistants (MEAs) reported data to find out any variances.
4. As a way forward, it was agreed that Government of Punjab requires Policy/Standards for MNCH Supply Chain just like Pakistan has exemplified for FP supply chain.



## ANNEXURE – A: List of Participants

Sr.	Names	Designation	Organization
1.	Dr. Mukhtar Hussain Syed	Program Director	IRMNCH & NP
2.	Dr. Akhtar Rasheed	Senior Consultant	IRMNCH & NP
3.	Miss. Nadia Kiran	In-charge MIS	IRMNCH & NP
4.	Dr. Hanadi Mostafa	Health Specialist	UNICEF
5.	Dr. Humaira Irshad	Program Officer	UNICEF
6.	Dr. Muhammad Tariq	Country Director	Chemonics International Inc.
7.	Mr. Nabeel Ahmad Maqbool	Provincial Team Lead - Punjab	Chemonics International Inc.
8.	Dr. Ahmed Shafique	Senior Manager IDs & Labs	Chemonics International Inc.
9.	Mr. Abdul Qayyum	Provincial Supply Chain Specialist	Chemonics International Inc.
10.	Mr. Furqan Saleem	Provincial Supply Chain Specialist	Chemonics International Inc.
11.	Dr. Amir Ud Din Chohan	Team Lead Punjab	UNICEF HLMIS Project
12.	Mr. Syed Zeeshan Ali	Admin & Finance Officer	UNICEF HLMIS Project
13.	Mr. Shaf Chaudhry	Supply Chain Officer	UNICEF HLMIS Project

## ANNEXURE – B: Meeting Agenda



### ***UNICEF HLMIS PROJECT Progress & Updates Province of Punjab***

Date: August 28, 2019

Venue: Directorate IRMNCH & Nutrition, 5-Montgomery Road, Park Ghari Shahu, Lahore

<i>Time</i>	<i>Session</i>	<i>Facilitator</i>
10:30	Registration & Participant Introduction	
10:45	Welcome UNICEF Team Dr. Hanadi Mostafa et al	Dr. Muhammad Tariq Country Director Chemonics International Inc.
11:00	UNICEF Health LMIS Project & MNCH Supply Chains System Strengthening in Punjab / Upcoming Activities	Dr. Amir ud Din Chohan Team Lead Punjab UNICEF HLMIS Project
11:30	Discussions / Q&A	All
12:15	Impressions from the Government of Punjab IRMNCH & Nutrition Program	Dr. Mukhtar Hussain Syed Program Director, IRMNCH & NP Government of Punjab
13:00	Lunch & Dispersal	

## ANNEX 25: LIST OF STAKEHOLDERS INTERACTED

#	Name	Designation	Organization
1.	Dr. Tajudeen Oyewale	Deputy Representative	UNICEF
2.	Adriana Rietsema	Acting Country Representative	UNICEF
3.	Dr. Hanadi Mostafa	Project Manager	UNICEF
4.	Mr. Inamullah Khan	Health & Nutrition Officer	UNICEF
5.	Dr. Naeem Majeed	Consultant	UNICEF
6.	Dr. Humaira Irshad	Programme Officer	UNICEF
7.	Dr. Zulfiqar Dharejo	Project Director	Sindh LHW Program
8.	Dr. Waqar Mahmood	Project Manager	Nutrition Sindh, Health Department
9.	Dr. Ghulam Murtaza	Provincial DHIS Coordinator	Health Department, Sindh
10.	Mr. Shahnawaz	IT In-charge	Health Department, Sindh
11.	Dr. Jairam Das	Communications Officer	MNCH Program Sindh
12.	Mr. M. Noman	Program Assistant	MNCH Program Sindh
13.	Mr. Adam Malik	Regional Manager	MERF
14.	Mr. Hasham Bin Shafiq	Pharmacist	MERF
15.	Mr. Kashif Hasnain	GM IT	HANDS
16.	Dr. Khalil Shaikh	Project Director	HANDS
17.	Mr. Maqbool Baloch	DPM	HANDS
18.	Mr. Irfan Pirzada	Provincial MIS Coordinator	Sindh LHW Program
19.	Dr. Sheeraz Hyder	Field Program Officer	Sindh LHW Program
20.	Mr. Zeeshan Shahid	CTO	IHS
21.	Mr. Haris Iqbal	SCWM	IHS
22.	Mr. Abdul Rasheed Memon	Data Analyst	NSP
23.	Dr. Zakir Ali	Prov. Manager DHIS	PPHI
24.	Mr. Noman Ahmed	Sr. Manager IT	PPHI
25.	Dr. Haroon Jahangir Khan	Directorate General Health Services, Punjab	Health Department, Punjab
26.	Dr. Akhtar Rasheed	Senior Advisor FP & Nutrition	MDU, P&SHD
27.	Mr. Muhammad Rao Alamgir	Director Procurement, DGHS	Health Department, Punjab
28.	Mr. Muhammad Farooq	Program Officer MIS Cell	Health Department, Punjab
29.	Ms. Aleena Tahir	Data Analyst, MIS-Cell / DGHS	Health Department, Punjab
30.	Mr. Aziz Ullah	Software Developer, MIS-Cell / DGHS	Health Department, Punjab
31.	Ms. Nadia Kiran	In-charge MIS, IRMNCH & NP	Health Department, Punjab
32.	Mr. Mudassar Khan	AO, MSD	Health Department, Punjab
33.	Mr. Shahid Akram Khan	Joint Director	PITB
34.	Ms. Sarah Wahid	SPM	PITB
35.	Mr. Waqas Akram	PM	PITB
36.	Mr. Ahmer	Senior Manager HIDSU	HIDSU
37.	Mudassir Mukhtar	Developer	HIDSU
38.	Khizer Javed	Developer	HIDSU
39.	Dr. Yahya Gulzar	NPO	WHO

## ANNEX 26: NOTIFIED TWG ON HLMIS IN SINDH



**NO.DGHSS/PH-Wing/5833/8.**  
**DIRECTORATE GENERAL**  
**HEALTH SERVICES SINDH**  
**Hyderabad Dated: 11-09-2019**  
 email: dghealthsindh@sindhhealth.gov.pk

### NOTIFICATION

A "Technical Working Group on HLMIS", is hereby constituted with an immediate effect, for the oversight and recommendations of MNCH supply chain system strengthening, development and deployment of HLMIS in Sindh, in pursuance of decision made during stakeholder's consultation meeting at Karachi on HLMIS, on 27<sup>th</sup> August, 2019.

The TWG core membership includes the following:

Sr. #	Designation / Place of Posting	Status
1.	Additional Director PH DG Health Office, Hyderabad	Convener
2.	Program Manager Sindh LHWP, Hyderabad	Member
3.	Program Director MNCH Program, Karachi	Member
4.	Representative Nutrition Support Program Karachi	Member
5.	Epidemiologist DGHSS office, Hyderabad	Secretary
6.	Representative of EPI Program	Member
7.	Representative of PPHI	Member
8.	Representative of IHS	Member
9.	Representative of MERF	Member
10.	Representative of HANDS	Member
11.	Representative of UNICEF	Member
12.	Representative of WHO	Member
13.	Representative of USAID GHSC PSM Project	Member
14.	Representative of Chemonics – HLMIS Project	Member
15.	Any Co-opted Member as & when required including MNCH products related pharma company(s) representatives	Co-opted Member

### **TORs:**

1. Recommend policy decisions pertaining to MNCH supply chain i.e. defining min/max for stock at different levels, streamlining storage and distribution mechanism and forecasting/supply planning.
2. Ensure timely development and deployment of HLMIS as per agreed design during consultation process with the members.
3. Ensure that design of HLMIS includes a comprehensive transactional and analytical reporting (Business Intelligence) for evidence-based decision making.
4. Identify technical gaps and advocate mobilization resources both internally and externally as needed.
5. Ensure that no duplicate efforts or other Information system is being developed in silos that can be part of HLMIS.
6. Meet on monthly basis, however, extraordinary meetings may be called when required.



**DR. MASOOD AHMED SOLANGI**  
DIRECTOR GENERAL

HEALTH SERVICES SINDH @ HYDERABAD

### **C.C.**

- The Secretary, Government of Sindh, Health Department, Karachi.
- The Health Specialist, UNICEF Sindh Karachi.
- The Head, WHO Sub-Office Sindh Karachi.
- The District Health Officers \_\_\_\_\_ All.
- The Committee Members \_\_\_\_\_ All.



## ANNEX 27: NOTIFIED TWG ON HLMIS IN PUNJAB



**DIRECTORATE GENERAL HEALTH SERVICES PUNJAB,  
24-COOPER ROAD, LAHORE**  
Ph No 042-99201139-40, Fax No 042-99201142

NO. 1885-98 /PDGHS

Dated: Lahore, September 16, 2019

### **Notification**

No. 1885-98 The Competent Authority, is pleased to constitute "Technical Working Group on HLMIS", with an immediate effect, for the oversight and recommendations for strengthening of MNCH supply chain system, development and deployment of HLMIS in Punjab, in pursuance of decision made during stakeholder's consultation meeting on HLMIS on 9<sup>th</sup> August, 2019, at Directorate General Health Services, Punjab, Lahore.

The TWG core membership includes the following:

Sr. #	Designation / Place of Posting	Status
1.	Director Health Services (MIS), Punjab	Convener
2.	Representative of IRMNCH & NP	Member
3.	General Manager MSD, DGHS Punjab	Member
4.	Representative of HISDU	Member
5.	Representative of PHPMC	Member
6.	Representative of PITB	Member
7.	Director Procurement, DGHS, Punjab	Member
8.	Representative of UNICEF, Punjab	Member
9.	Senior Advisor FP & Nutrition, MDU	Member
10.	Representative of WHO, Punjab	Member
11.	Representative of USAID GHSC PSM Project	Member
12.	Representative of Chemonics – HLMIS Project	Member
13.	Any Co-opted Member as & when required including MNCH products related pharma company(s) representatives	Co-opted Member

**TORs:**

The members of the Technical Working Group will:

1. Recommend policy decisions pertaining to MNCH supply chain i.e. defining min/max for stock at different levels, streamlining storage and distribution mechanism and forecasting/supply planning.
2. Ensure timely development and deployment of HLMIS as per agreed design (interfacing of LMIS with MIMS, etc.) during consultation process with the members.
3. Ensure that design of HLMIS includes a comprehensive transactional and analytical reporting (Business Intelligence) for evidence-based decision making.
4. Identify technical gaps and advocate mobilization resources both internally and externally as needed.
5. Ensure that no duplicate efforts or other Information system is being developed in silos that can be part of HLMIS.
6. Meet on monthly basis, however, extraordinary meetings may be called when required.

  
**DIRECTOR GENERAL HEALTH SERVICES  
PUNJAB**

No. Even, Dated Lahore, the 16.09, 2019

Copy of the above is forwarded for information and necessary action to the:

1. Secretary, Primary & Secondary Healthcare Department, Punjab
2. Health Specialist, UNICEF Punjab
3. Head, WHO Sub-office Punjab
4. Country Director/Team Lead Punjab, USAID GHSC PSM Project
5. CEOs DHA Districts (Muzafargarh, DG Khan, RY Khan, Bahawalnagar, Pakpattan) with the request to notify the "District TWG on HLMIS" by including all relevant stakeholders
6. All the Members of TWG

## ANNEX 28: NOTIFIED DISTRICT TWG IN PUNJAB

The following notifications are attached:

1. TWG Notification – Bahwalnagar
2. TWG Notification – Dera Ghazi Khan
3. TWG Notification – Muzaffargarh
4. TWG Notification – Pakpattan
5. TWG Notification – Rahim Yar Khan



**OFFICE OF THE  
CHIEF EXECUTIVE OFFICER  
DISTRICT HEALTH AUTHORITY  
BAHAWALNAGAR**



No. 50990-1003 /CEO DHA  
Dated 30-09-2019

**Notification.**

Reference letter No. 1885/98/PA/DGHS dated September 16, 2019, a Technical Working Group is hereby constituted with an immediate effect for the implementation of Health Logistics Management Information System in District Bahawalnagar. This Technical Working Group would meet on monthly basis to review the progress and address issues in line with the TORs laid down below.

The TWG core membership includes the following:

Sr.	Designation / Place of Posting	Status
1	Chief Executive Officer (DHA)	Chair
2	District Coordinator IRMNCH&NP	Convener
3	Statistical Officer/ DHIS Coordinator/ Computer Operator	Member
4	MSE / Social Organizer IRMNCH&NP	Member
5	Accounts Supervisor IRMNCH&NP	Member
6	Computer Operator IRMNCH & NP	Member
7	Store Keeper / Store In-charge DHA	Member
8	Computer Operator / District MIMS Operator	Member
9	Supply Chain Officer, Chemonics International – UNICEF, HLMIS Project	Secretary


**TORs:**

The members of Technical Working Group will ensure:

- 1- Timely nominations and trainings of district focal person/data entry operators (preferably computer literate official / store keeper) for implementation of real time Warehouse Management module at district stores of District Health Authority, PHFMC, etc.
- 2- Implementation of Inventory Management modules of EMR (where implemented) and MIMS at primary and secondary level healthcare facilities.
- 3- Necessary IT hardware support and good quality internet connectivity is available.
- 4- Manual recording and reporting tools (Stock registers) for inventory management are updated regularly at district store and facilities



- 5- Identification and nomination of a focal person who will be responsible to review district dashboards regularly and present actionable findings to the concerned district officials and in the TWG meetings
- 6- Ensure, end users are fully aware of the significance of data accuracy during HLMIS reporting as this data is used extensively at different levels for stock monitoring and key decisions like forecasting, procurement and distribution of health commodities.
- 7- No duplicate efforts or other information system is developed, piloted or implemented in silos.
- 8- Any point may be discussed with the permission of the chair of the TWG.
- 9- Meet on Monthly basis, however extraordinary meetings may be called when required.

  
**CHIEF EXECUTIVE OFFICER  
DISTRICT HEALTH AUTHORITY  
BAHAWALNAGAR** ✓

Cc:

1. Director General Health Services Punjab
2. Director Health Services (MIS) DGHS- Punjab, Lahore.
3. Team Lead Punjab, Chemonics - HLMIS Project, Lahore.
4. All the Committee Members.



**OFFICE OF THE  
CHIEF EXECUTIVE OFFICER  
DISTRICT HEALTH AUTHORITY**



No.  
Dated

18365  
30/9/19

/CEO DHA  
/2019

**Notification.**

Reference letter No. 1885/96/PA/DGHS dated September 16, 2019, a Technical Working Group is hereby constituted with an immediate effect for the implementation of Health Logistics Management Information System in District Dera Ghazi Khan. This Technical Working Group would meet on monthly basis to review the progress and address issues in line with the TORs laid down below.

The TWG core membership includes the following:

Sr.	Designation / Place of Posting	Status
	Chief Executive Officer	Chair
1	District Coordinator IRMNCH&NP	Convener
2	Statistical Officer/ DHIS Coordinator/ Computer Operator	Member
3	District Manager PHFMC	Member
4	M&E / Social Organizer IRMNCH&NP	Member
5	Accounts Supervisor IRMNCH&NP	Member
6	Store Keeper / Store In-charge DHA	Member
7	Computer Operator / District MIMS Operator	Member
8	Supply Chain Officer, Chemonics International – UNICEF, HLMIS Project	Secretary
9	Any Co-opted member	Member

**TORs:**

The members of Technical Working Group will ensure:

- 1- Timely nominations and trainings of district focal person/data entry operators (preferably computer literate official but not a store keeper) for implementation of real time Warehouse Management module at district stores of District Health Authority, PHFMC, etc.
- 2- Implementation of Inventory Management modules of EMR (where implemented) and MIMS at primary and secondary level healthcare facilities.




- 3- Necessary IT hardware support and good quality internet connectivity is available.
- 4- Manual recording and reporting tools (Stock registers) for inventory management are updated regularly at district store and facilities
- 5- Identify and nominated focal points responsible to review district dashboards regularly and present actionable findings to the concerned district officials and in the TWG meetings
- 6- End users are fully aware of the significance of data accuracy during HLMIS reporting as this data is used extensively at different levels for stock monitoring and key decisions like forecasting, procurement and distribution of health commodities.
- 7- No duplicate efforts or other information system is developed, piloted or implemented in sites.
- 8- Any point may be discussed with the permission of the chair of the TWG.
- 9- Meet on Monthly basis, however extraordinary meetings may be called when required.


  
**CHIEF EXECUTIVE OFFICER  
DISTRICT HEALTH AUTHORITY**

Cc:

1. Director General Health Services Punjab
2. Director Health Services (MIS) DGHS- Punjab, Lahore.
3. Team Lead Punjab, Chemonics - HLMIS Project, Lahore.
4. All the Committee Members.



**OFFICE OF THE  
CHIEF EXECUTIVE OFFICER  
DISTRICT HEALTH AUTHORITY**



No. **4020**  
 Dated **27/9**

/CEO DHA  
 /2019

**Notification.**

Reference letter No. 1685/98/PA/DGHS dated September 16, 2019, a Technical Working Group is hereby constituted with an immediate effect for implementation of Health Logistics Management Information System in District Muzaffargarh. This Technical Working Group will arrange a meeting on monthly basis to review the progress and address issues in line with the TORs laid down below.

The TWG core membership includes the following:

Sr.	Designation / Place of Posting	Status
1	Chief Executive Officer DHA	Chairman
2	District Coordinator IRMNCH&NP	Convener
3	District Officer Medical Services	Member
4	Statistical Officer/ DHIS Coordinator	Member
5	M&E / Social Organizer IRMNCH&NP	Member
6	Store Keeper IRMNCH&NP	Member
7	Store Keeper / Store In-charge DHA	Member
8	Computer Operator / District MIMS Operator	Member
9	Supply Chain Officer, Chemonics International – UNICEF, HLMIS Project	Secretary

**TORs:**

The members of Technical Working Group will ensure:

- 1- Timely nominations and trainings of District focal person/data entry operators (preferably computer literate official but not a store keeper) for implementation of real time Warehouse Management module at district stores of District Health Authority.
- 2- Implementation of Inventory Management modules of EMR (where implemented) and MIMS at primary and secondary level Healthcare facilities.
- 3- Necessary IT hardware support and good quality internet connectivity is available.


- 4- Manual recording and reporting tools (Stock registers) for inventory management are updated regularly at district store and facilities
- 5- Identify and nominated focal points responsible to review district dashboards regularly and present actionable findings to the concerned district officials and in the TWG meetings
- 6- End users are fully aware of the significance of data accuracy during HLMIS reporting as this data is used extensively at different levels for stock monitoring and key decisions like forecasting, procurement and distribution of health commodities.
- 7- No duplicate efforts or other information system is developed, piloted or implemented in silos.
- 8- Any point may be discussed with the permission of the chair of the TWG.
- 9- Meet on Monthly basis, however extraordinary meetings may be called when required.

  
CHIEF EXECUTIVE OFFICER  
DISTRICT HEALTH AUTHORITY


Cc:

1. Director General Health Services Punjab
2. Director Health Services (MIS) DGHS- Punjab, Lahore.
3. Team Lead Punjab, Chemonics - HLMIS Project, Lahore.
4. All the Committee Members.





**OFFICE OF THE  
CHIEF EXECUTIVE OFFICER  
DISTRICT HEALTH AUTHORITY PAKPATTAN**



No. **14378** /CEO DHA  
Dated **30-09** /2019

**Notification.**

Reference letter No. 1885/98/PA/DGHS dated September 16, 2019, a Technical Working Group is hereby constituted with an immediate effect for the implementation of Health Logistics Management Information System in District Pakpattan. This Technical Working Group would meet on monthly basis to review the progress and address issues in line with the TORs laid down below.

The TWG core membership includes the following:

Sr.	Designation / Place of Posting	Status
1	Chief Executive Officer (DHA) Pakpattan	Chairman
2	District Coordinator IRMNCH& NP Pakpattan	Convener
3	Statistical Officer/ DHIS Coordinator/ Computer Operator	Member
4	District Manager PHFMC	Member
5	M&E / Social Organizer IRMNCH&NP	Member
6	Accounts Supervisor IRMNCH&NP	Member
7	Store Keeper / Store In-charge DHA	Member
8	Computer Operator / District MIMS Operator	Member
9	Supply Chain Officer, Chemonics International – UNICEF, HLMIS Project	Secretary

**TORs:**

The members of Technical Working Group will ensure:

- 1- Timely nominations and trainings of district focal person/data entry operators (preferably computer literate official but not a store keeper) for implementation of real time Warehouse Management module at district stores of District Health Authority, PHFMC, etc.
- 2- Implementation of Inventory Management modules of EMR (where implemented) and MIMS at primary and secondary level healthcare facilities.
- 3- Necessary IT hardware support and good quality internet connectivity is available.

- 4- Manual recording and reporting tools (Stock registers) for inventory management are updated regularly at district store and facilities
- 5- Identify and nominated focal points responsible to review district dashboards regularly and present actionable findings to the concerned district officials and in the TWG meetings
- 6- End users are fully aware of the significance of data accuracy during HLMIS reporting as this data is used extensively at different levels for stock monitoring and key decisions like forecasting, procurement and distribution of health commodities
- 7- No duplicate efforts or other information system is developed, piloted or implemented in silos.
- 8- Any point may be discussed with the permission of the chair of the TWG.
- 9- Meet on Monthly basis, however extraordinary meetings may be called when required.

*Handwritten signature and date*  
29/9/19

CHIEF EXECUTIVE OFFICER  
DISTRICT HEALTH AUTHORITY  
PAKPATTAN

Cc:

1. Director General Health Services Punjab
2. Director Health Services (MIS) DGHS- Punjab, Lahore.
3. Team Lead Punjab, Chemonics - HLMIS Project, Lahore.
4. All the Committee Members.



OFFICE OF THE  
CHIEF EXECUTIVE OFFICER  
DISTRICT HEALTH AUTHORITY  
RAHIMYARKHAN



No. 31645 ST /CEO DHA  
Dated 30-09-2019

Notification

Reference letter No. 1885/98/PA/DGHS dated September 16, 2019, a Technical Working Group is hereby constituted with an immediate effect for the implementation of Health Logistics Management Information System in District Rahimyar Khan. This Technical Working Group would meet on monthly basis to review the progress and address issues in line with the TORs laid down below.

The TWG core membership includes the following:

Sr.	Designation / Place of Posting	Status
1	Dr. Sakawat Ali Randhawa, Chief Executive Officer, DHA, Rahimyar Khan.	Chair
2	Dr. Muhammad Zahid, Program Director DHDC Rahimyar Khan.	Member
3	Dr. Zubair Iqbal, District Coordinator IRMNCH&NP, Rahimyar Khan.	Convener
4	Mr. Jam Muhammad Akbar DHIS Coordinator	Member
5	Mr. Syed Zeeshan Ahmad, District Manager PHFMC, Rahimyar Khan.	Member
6	Mr. Anjum Sarwar, Accounts Supervisor IRMNCH&NP, Rahimyar Khan.	Member
7	Mr. Aqib Touqeer, Store Keeper, DHA, Rahimyar Khan.	Member
8	Mr. Bilal Ashraf Pharmacist/ District MIMS Focal Person	Member
9	Mr. Hamza Akhlaq, Supply Chain Officer, Chemonics International – UNICEF, HLMIS Project	Secretary
10	Mr. Rao Imran, Store Keeper IRMNCH&NP, Rahimyar Khan.	Member
11	Mr. Zubair Ahmed, Store Keeper PHFMC, Rahimyar Khan.	Member
12	Dr. Amjad Yasin, DHO(PS), Rahimyar Khan	Co-opted/Member

**TORs:**

The members of Technical Working Group will ensure:

- 1- Timely nominations and trainings of district focal persons/data entry operators (preferably computer literate official but not a store keeper) for implementation of



real time Warehouse Management module at district stores of District Health Authority, PHFMC, etc.

- 2- Implementation of Inventory Management modules of EMR (where implemented) and MIMS at primary and secondary level healthcare facilities.
- 3- Necessary IT hardware support and good quality internet connectivity is available.
- 4- Manual recording and reporting tools (Stock registers) for inventory management are updated regularly at district store and facilities
- 5- Identify and nominated focal points responsible to review district dashboards regularly and present actionable findings to the concerned district officials and in the TWG meetings
- 6- End users are fully aware of the significance of data accuracy during HLMIS reporting as this data is used extensively at different levels for stock monitoring and key decisions like forecasting, procurement and distribution of health commodities.
- 7- No duplicate efforts or other information system is developed, piloted or implemented in silos.
- 8- Any point may be discussed with the permission of the chair of the TWG.
- 9- Meet on Monthly basis, however extraordinary meetings may be called when required.

  
**CHIEF EXECUTIVE OFFICER  
DISTRICT HEALTH AUTHORITY**

Cc:

1. Director General Health Services Punjab
2. Director Health Services (MIS) DGHS- Punjab, Lahore.
- ✓ 3. Team Lead Punjab, Chemonics - HLMIS Project, Lahore.
4. All the Committee Members.

## ANNEX 29: MINUTES OF THE MEETING OF IT STAKEHOLDERS/PARTNERS OF SINDH ON HLMIS INTERFACING



DIRECTORATE GENERAL HEALTH SERVICES  
SINDH @ HYDERABAD

Phone # 022-9240106 Fax # 022-9240100

E-mail: dghealthsindh@sindhhealth.pk

No. DGHSS/ - (PH-Wing-35(Chemonics))- **6709/25** DATED 17-10-2019

To,

The Participants,  
List attached.

SUBJECT:- MINUTES OF CONSULTATIVE MEETING UNICEF HEALTH LMIS (HLMIS) PROJECT.

Enclosed find herewith Minutes of Consultative meeting UNICEF Health LMIS (HLMIS) Project held on 01-10-2019 at Avari Hotel Karachi for your information and necessary action.

Encl: As above.

(DR. MASOOD AHMED SOLANGI)  
DIRECTOR GENERAL  
HEALTH SERVICES SINDH AT HYDERABAD

Copy forwarded for information:

1. The Secretary, Government of Sindh, Health Department Karachi.
2. The PS to Minister Health and Population Welfare Department Government of Sindh Karachi.
3. Dr. Muhammad Tariq, Country Director, Chemonics International, Islamabad.
4. Dr. Tanveer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project Karachi.
5. Dr. Mumtaz Brohi Coordinator, UNICEF HLMIS Project, Hyderabad.

## Minutes of Consultative Meeting UNICEF Health LMIS (HLMIS) Project

### Strengthening Maternal, Neonatal, and Child Health (MNCH) Supply Chain in Sindh & Punjab

Venue: Indus Extension Hall, Avari Hotel, Karachi  
Tuesday, Oct 1, 2019

#### Background & Introduction

Chemonics International Inc. through UNICEF funding has been awarded a one-year project for supply chain system strengthening of Maternal, Neonatal and Child Health (MNCH) for bringing visibility to MNCH Very Essential Medicine (VEMs) through MNCH LMIS with focus on diarrhea and pneumonia products.

As a follow up of MNCH LMIS design meeting on August 27, 2019 at Karachi, a technical meeting on interfacing of MNCH LMIS with vertical / partners information systems in Sindh was held on Tuesday, Oct 1, 2019 at Avari Hotel, Karachi. The meeting aimed to discuss interfacing model, data required for interfacing and technical details of interfacing with all stakeholders.

The meeting was chaired by Project Director Lady Health Workers (LHW) Program, fully represented by all public and private sector stakeholders. Participants included representatives from LHW Program, District Health Information System (DHIS), Maternal, Neonatal and Child Healthcare (MNCH) Program and Public Private Partners (PPP) node partners i.e. People's Primary Healthcare Initiative (PPHI), Integrated Health Services (IHS), Medical Emergency and Resilience Foundation (MERF) and Health and Nutrition Development Society (HANDS) ([List of participants - Annexure-A](#))

#### Meeting Proceedings

Meeting started with the recitation of Holy Quran followed by a brief introduction of the participants. District Coordinator, Dr. Mumtaz Brohi from the Project during his opening remarks apprised the participants on the agenda and objectives of the meeting ([Meeting Agenda - Annexure-B](#))

Manager MIS, Mr. Ijaz Haider taking lead on the technical session of the meeting briefed about the interfacing model and its specifications and requested master data from all vertical programs and partners to map it with MNCH LMIS for data interoperability. Requisite information of master data required for interfacing including all specifications of the products, facilities and geographical locations was discussed in detail. He also requested partners to share their supply chain and services data for last six months to 1 year so that analytics and dashboards can be populated as a quick start for stakeholders

Vertical programs and partners representatives suggested renaming of some data labels for further clarity. They also suggested that the system should be capable of generating alerts and notifications when the stock levels reach below satisfactory levels. Few participants shared the data during the meeting and agreed to share detailed data by the end of first week of October with the Project team. It was identified during the discussions that the contract of MNCH MIS vendor has expired, for which MNCH team need support of the Project MIS team to capture the supply chain data either by making changes in MNCH MIS code or by deploying MNCH LMIS inventory management module, both options are subject to MNCH management's prerogative.

In the later session of the meeting, Project MIS team presented interfacing model and document pertaining to technical modalities of interfacing. Detailed discussions on the technical interfacing document about each data item, security, protocols and schedule jobs were held and all participants shared their feedback.

Participants while expressing their views agreed and appreciated that the technical document covers all aspects and specifications. As a way forward, all partners representatives affirmed that they will develop Application Program Interfaces (APIs) in their systems and share with the Project team.

The meeting ended with vote of thanks by Dr. Tanweer, Supply Chain Team Lead of the Project

#### Action Points:

Following are the action points of the consultative meeting;

- I. A formal letter from Director General Health Services (DGHS) Sindh will be sent to all PPP node and private partners (PPHI, IHS, MERF & HANDS) to share master data with the Project team as per required specifications for data operability;
- II. Vertical Programs and partners to develop APIs / webservises for interfacing with MNCH LMIS as per shared technical document. In addition, owing to the security reasons, live IPs will also be shared to be added in whitelist of LMIS servers;
- III. MNCH LMIS will have inherent capability of generating stock alerts / notifications based on generic names, their strengths and stock levels;
- IV. Dr. Murtaza from DHIS cell Sindh will share template for facility related data with the Project team. Option will be developed in MNCH LMIS for concerned DHIS staff to update facility related information on the provided template as and when required;
- V. MNCH Sindh team will check with vendor for source code so that Project team can incorporate supply chain indicators in MNCH form. As an alternative option, MNCH management will request Project team to extend consumption form for CMWs to report supply chain data;
- VI. Once MNCH LMIS will be developed, the logins will also be shared with partners so that they can see the analytics and dashboards;
- VII. As supply chain and services systems of PPHI are separate, MNCH LMIS will be interfaced with two separate systems of PPHI;
- VIII. In case of data discrepancy at source system side, like difference between last month closing balance and current month opening balance, HLMIS Project team will inform the custodian of system to fix the issue in the source system and inform Project team to reload the data.



## ANNEXURE – A; List of Participants

#	Name	Designation	Organization
1	Dr. Zulfiqar Dharejo	Project Director	Sindh LHW Program
2	Dr. Waqar Mahmood	Project Manager	Nutrition Sindh, Health Department
3	Dr. Ghulam Murtaza	Provincial DHIS Coordinator	Health Department
4	Mr. Shah Nawaz	IT In-charge	DG Health
5	Dr. Jairam Das	Communications Officer	MNCH Program Sindh
6	Mr. M. Noman	Program Assistant	MNCH Program Sindh
7	Mr. Adam Malik	Regional Manager	MERF
8	Mr. Kashif Hasnain	GM IT	HANDS
9	Dr. Khalil Shaikh	Project Director	HANDS
10	Mr. Maqbool Baloch	DPM	HANDS
11	Mr. Irfan Pirzada	Provincial MIS Coordinator	Sindh LHW Program
12	Dr. Sheeraz Hyder	Field Program Officer	Sindh LHW Program
13	Mr. Zeeshan Shahid	CTO	IHS
14	Mr. Haris Iqbal	SCWM	IHS
15	Mr. Hasham Bin Shafiq	Pharmacist	MERF
16	Mr. Abdul Rasheed Memon	Data Analyst	NSP
17	Dr. Zakir Ali	Prov. Manager DHIS	PPHI
18	Mr. Noman Ahmed	Sr. Manager IT	PPHI
19	Dr. Tanweer Hussain	Provincial Team Lead	UNICEF HLMIS Project
20	Dr. Mumtaz Ali Brohi	District Coordinator	UNICEF HLMIS Project
21	Mr. Asif Jatoti	Supply Chain Officer	UNICEF HLMIS Project
22	Mr. Anwar Ali	Support Staff	UNICEF HLMIS Project
23	Mr. Yaqoob Laghari	Supply Chain Officer	UNICEF HLMIS Project
24	Ms. Iqra Javed	MIS Associate	UNICEF HLMIS Project
25	Mr. Ijaz Haider Malik	MIS Manager	UNICEF HLMIS Project
26	Mr. Azeem Asghar	MIS Associate	UNICEF HLMIS Project
27	Mr. Anib Aslam	Training Associate	UNICEF HLMIS Project

## ANNEXURE – B; Meeting Agenda

# Consultative Workshop

## Interfacing MNCH LMIS with Vertical / Partner Information Systems


### FINAL AGENDA

Date: October 01, 2019 - Karachi

Time	Session	Facilitator
09:15	Registration & Introduction of Participants	UNICEF HLMIS Project
09:30	Meeting Objectives	Dr. Tanweer Hussain, Supply Chain Team Lead Dr. Mumtaz Brohi, District Coordinator UNICEF HLMIS Project
09:45	Discussion on six months to 1 Year Supply data from vertical programs and partners for HLMIS	Ijaz Haider, MIS Manager UNICEF HLMIS Project
10:15	Tea Break	
10:30	Discussion on Interfacing between HLMIS and Vertical Programs / Partners' Information Systems	Azeem Asghar, MIS Associate Iqra Javed, MIS Associate UNICEF HLMIS Project
13:00	Lunch Break	
14:00	Technical discussion on Interfacing Web Services / API Specifications, Fields, Controls, Frequencies	Azeem Asghar, MIS Associate Iqra Javed, MIS Associate UNICEF HLMIS Project
15:00	Closing Remarks	Chairperson



## ANNEX 30: MINUTES OF THE FIRST MEETING OF HLMIS TWG IN PUNJAB

**DIRECTORATE GENERAL HEALTH SERVICES PUNJAB,  
24-COOPER ROAD, LAHORE**  
Ph No 042-99201139-40, Fax No 042-99201142


NO. 2053 /PA/DGHS  
Dated: Lahore, 8th October, 2019

Dear Sir/Madam,  
(List attached)

**SUBJECT: MINUTES OF MEETING OF HLMIS TECHNICAL WORKING GROUP**

The first meeting of technical working group (TWG) was held under the chairmanship of Directorate General Health Services, Punjab at Committee Room of Directorate General Health on October 2, 2019.

Minutes of meeting are attached for your information.

  
**DIRECTOR GENERAL HEALTH SERVICES  
PUNJAB**

CC:

1. Secretary, P&SHD, Govt. of the Punjab
2. Additional Secretary (Technical), P&SHD
3. Program Director IRMNCH&NP
4. Director Health Services (HQ)
5. CEO PHFMC, Punjab
6. Project Director (HISDU), P&SHD
7. CEOs (DHA) Muzaffargarh, RY Khan, DG Khan, Bahawalnagar and Pakpattan.
8. Dr. Muhammad Tariq, Country Director, USAID GHSC PSM
9. Dr. Naqam Majeed, Consultant, UNICEF
10. All members

## Minutes of First Technical Working Group (TWG) Meeting

### UNICEF Health Logistics Management Information System (HLMIS) Project

#### Strengthening Maternal, Neonatal, and Child Health (MNCH) Supply Chain in Sindh & Punjab

Venue: Director General Health Services - Punjab  
Wednesday, October 02, 2019

#### **Background & Introduction**

Chemonics International Inc. through UNICEF funding has been awarded a one-year project for supply chain system strengthening of Maternal, Neonatal and Child Health (MNCH) for bringing visibility to MNCH Very Essential Medicine (VEMs) through HLMIS Project with focus on diarrhea and pneumonia products.

As an action point of the consultative meeting with stakeholders for finalization of MNCH LMIS design in Punjab on 9<sup>th</sup> August, 2019, a TWG was constituted. The first meeting of TWG on LMIS was held on 2<sup>nd</sup> October, 2019 at the Conference Room, DGHS office, chaired by Dr. Haroon Jahangir, Director General Health Services (DGHS) Punjab. The participants included representatives from Primary and Secondary Healthcare Department (PHSD), Punjab Information Technology Board (PITB) along with development partners i.e. UNICEF, WHO. The meeting aimed to review the progress made towards MNCH LMIS development, interfacing with information systems and its deployment and to provide recommendations for MNCH supply chain system strengthening in Punjab.

#### **Meeting Proceedings**

The meeting started with recitation of Holy Quran followed by brief introduction of the participant. Dr. Amir ud Din Chohan, Team Lead, UNICEF HLMIS Project apprised the group about specific objectives of the TWG and also shared the progress (*Agenda of the meeting - Annexure-B*).

Detailed discussions were held on the approved design of MNCH LMIS, that included interfacing of MNCH LMIS and Medicine management information system developed and implemented by Health Information & Service Delivery Unit (HISDU), Punjab. It was unanimously agreed and decided that instead of interfacing, only one system would be implemented in PSHD Punjab for supply chain management of health products. This would encompass all the vertical supply chains and will be implemented across the board in 36 districts in a phased manner.

Hosting modalities, source code, system and database maintenance of MNCH LMIS were also discussed in details. Though implementation of system in 36 districts and training of the whole staff is beyond Project's agreed mandate, however, Project will extend its full support for deployment, development and training of district store staff. It was also highlighted that IT and hardware support would be required for MNCH LMIS implementation in the districts. For this, Project will carry out an assessment of IT hardware required at district stores for MNCH LMIS implementation in month of November, as part of Project's deliverable -5. Based on this assessment, a Costed Implementation Plan (CIP) will be developed by the Project.

All the participants agreed that it's very important to take policy decisions pertaining to MNCH supply chain i.e. defining min/max for stock at different levels, streamlining storage and distribution mechanism and forecasting/supply planning. These policy decisions will help improving the commodity security of MNCH products at the last mile.

Meeting ended with vote of thanks by Project Team Lead Punjab

#### **Action Points:**

Following are the action points of the meeting:

1. MNCH LMIS Punjab developed and implemented by the Project will be contextualized and adapted by HISDU-PSHD for supply chain management of all drugs and ancillary items procured by the department;
2. The system will be implemented for automation of supply chain data and to ensure end to end visibility at all tiers of PSHD i.e. provincial, district and health facilities;
3. LMIS source code and database currently hosted at National Telecommunication Centre, Ministry of Information Technology, Islamabad, will be hosted and managed by HISDU data center at PSHD;
4. An agreement/Letter of understanding will be signed off between HISDU-PSHD and the Project to clearly identify the roles and responsibilities of both entities;
5. UNICEF will be requested formally by PSHD for resource allocation of the CIP;

6. Supply chain standards/guidelines, min/max levels for MNCH products will be discussed in next monthly TWG meeting.



## ANNEXURE – A; List of Participants

#	Name	Designation	Organization
1	Dr. Haroon Jahangir Khan	Directorate General Health Services, Punjab	Health Department, Punjab
2	Dr. Akhtar Rasheed	Senior Advisor FP & Nutrition	MDU, P&SHD
3	Mr. Muhammad Rao Alamgir	Director Procurement, DGHS	Health Department, Punjab
4	Mr. Muhammad Farooq	Program Officer MIS Cell	Health Department, Punjab
5	Ms. Aleena Tahir	Data Analyst, MIS-Cell / DGHS	Health Department, Punjab
6	Mr. Aziz Ullah	Software Developer, MIS-Cell / DGHS	Health Department, Punjab
7	Ms. Nadia Kiran	In-charge MIS, IRMNCH & NP	Health Department, Punjab
8	Mr. Mudassar Khan	AO, MSD	Health Department, Punjab
9	Mr. Shahid Akram Khan	Joint Director	PITB
10	Ms. Sarah Wahid	SPM	PITB
11	Mr. Waqas Akram	PM	PITB
12	Dr. Naeem Majeed	Consultant	UNICEF
13	Dr. Yahya Gulzar	NPO	WHO
14	Mr. Nabeel Ahmed Maqbool	Team Lead Punjab	Chemonics International Inc.
15	Dr. Amir Ud Din Chohan	Team Lead Punjab	UNICEF HLMIS Project
16	Mr. Syed Zeeshan Ali	Admin & Finance Officer	UNICEF HLMIS Project
17	Mr. Shaf Chaudhry	Supply Chain Officer, Lahore	UNICEF HLMIS Project


## ANNEXURE – B; Meeting Agenda

### First HLMIS TWG Meeting FINAL AGENDA

Conference Room, DG Health Office, Lahore  
October 2, 2019

Time	Session	Facilitator
10:00 AM	Registration & Introduction of Participants	UNICEF HLMIS Project
10:15 AM	Project Status, Objectives of the meeting	Team Lead Punjab, UNICEF - HLMIS Project
10:30 AM	Discussions on TORs and Strategies for HLMIS/MIMS deployment in Punjab	Team Lead Punjab, Chemonics International Inc. & All Participants
12:45 PM	Recommendations and Way Forward	Director General Health Services, Government of Punjab
1:00 PM	Refreshment	

## ANNEX 31: APPROVED NOTE TO THE SECRETARY ON DEPLOYMENT OF SOURCE-CODE OF LMIS AT HISDU DATA CENTER



**DIRECTOR GENERAL HEALTH-PUNJAB**  
24 - COOPER ROAD, LAHORE - 54000

TEL: 4211111  
4211111  
FAX: 4211111

**NOTE FOR SECRETARY  
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT**

**SUBJECT: DEPLOYMENT OF SOURCE CODE DATA BASE OF LOGISTICS  
MANAGEMENT INFORMATION SYSTEM AT HISDU DATA CENTER**

The provision of effective healthcare services is the primary responsibility of every public health system around the globe. There is dire need of a robust Supply Chain Management Information system implemented across all tiers of service delivery to ensure access of quality products where they needed most. An efficient supply chain MIS timely provides quality information for evidence based decision making to improve visibility, efficiency, accuracy, and timeliness of logistics functions.

2. Since 2010, USAID through its DELIVER and Global Health Supply Chain Program has been providing technical and financial support to the department of health for strengthening of public health supply chain. These initiative include supply chain strategy for FPMNCH, standards and guidelines, SBGs for contraceptive procurement, capacity building of staff and development of a web based Logistics Management Information System for Family Planning, routine immunization, Tuberculosis and Maternal & Neonatal Health supply chains. Presently, Medical Store Depot and Sub MSDs at Lahore and Multan have been automated by implementing a warehouse management system.

3. Currently, LMIS is being managed by USAID GHSC PSM team and hosted at National Telecommunication Corporation's data center, Islamabad, acting as a national repository. ([www.lmis.gov.pk](http://www.lmis.gov.pk))

4. A sustainable Management Information System is dependent on three areas: ownership, hosting/maintenance, and use of data. Ideally, MIS must have an owner within the department of health equipped with a software development team to update MIS in line with the vision and scope of government, plan MIS improvement, and protect data by hosting in its own data center. Fortunately, in-house capacity is available in the form of Health Information Service Delivery Unit (HISDU) which has the mandate to interface and integrate all supply chain data into a single platform.

5. Keeping in view the above stated scenario, the permission for transfer of

PS TO AS(TECH)PESHCD  
DIARY NO 1948-N  
DATE 11-10-2019

Scanned by CamScanner





TEL: 920119  
920110  
FAX: 920112

**DIRECTOR GENERAL HEALTH PUNJAB**

24 - COOPER ROAD, LAHORE - 54000

technology i.e. deployment of source code and data base at HISDU servers may be granted for a sustainable solution. And USAID GHSC PSM team may be requested for necessary training of the HISDU team to complete this exercise.

6. Proposed at para 5/ante is submitted for approval and/or further orders please.

D.G. Health Chapter

7

No. 2054

Date: 11/10/19

DIRECTOR GENERAL HEALTH SERVICES  
PUNJAB

*[Signature]*  
10.10.19

8

ADDITIONAL SECRETARY (TECHNICAL)  
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT

*I add your views in the  
light of discussion at para 4/ante  
before submitting to Secretary PSM.*

9

SECRETARY  
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT

*[Signature]*  
11/10/19

10

*10 His/04.*

*A mtg has been conducted with the  
IT team of USAID.  
The System shall be integrated with  
Medicine Inventory Management System and cover the  
Supply chain requirement. There is no cost*

Scanned by CamScanner



involved in it. System shall be taken over  
by HHSOU and HHSOU shall get it  
implemented.

11 Keeping in view para 5/n is endorsed. PD. HHSOU  
1334  
17.10.19

Arman.  
17/10/19

12 AS(Tech) please.

Para 5/n read with 10/n endorsed.



Secretary/ HSH.

Ai.  
21/10/19

OK. 22/10/19 -

AS(T)

Ai.  
28/10/19

DGHS/

DIRECTORATE GENERAL

2549

No. 29 OCT 2019

HEALTH SERVICES PUNJAB

D/MIS

RG  
29.10.19

Scanned by CamScanner

## ANNEX-32: MEETING MINUTES – CONSULTATION ON FINALIZATION OF MNCH VEML FIVE-YEAR FORECAST FOR SINDH



DIRECTORATE GENERAL HEALTH SERVICES  
SINDH @ HYDERABAD

Phone # 022-9240106 Fax # 022-9240100

E-mail: [dghealthsindh@sindhhealth.pk](mailto:dghealthsindh@sindhhealth.pk)

No. DGHSS/ - (PH-Wing-35(Chemonics))/- 7878/83 DATED 04-12-2019

To,

The Participants,  
List attached.

SUBJECT:- MINUTES OF CONSULTATIVE MEETING UNICEF HEALTH LMIS (HLMIS) PROJECT.

Enclosed find herewith Minutes of Consultative meeting UNICEF Health LMIS (HLMIS) Project held on 13-11-2019 at Directorate for your information and necessary action.

Encl: As above.

(DR. MASOOD AHMED SOLANGI)  
DIRECTOR GENERAL  
HEALTH SERVICES SINDH AT HYDERABAD

Copy forwarded for information:

1. The Secretary, Government of Sindh, Health Department Karachi.
2. The PS to Minister Health and Population Welfare Department Gpvperment of Sindh Karachi.
3. Dr. Muhammad Tariq, Country Director, Chemonics International, Islamabad.
4. Dr. Tanveer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project Karachi.
5. Dr. Mumtaz Brohi Coordinator, UNICEF HLMIS Project, Hyderabad.

## Minutes of Consultative Meeting

### UNICEF Health LMIS (HLMIS) Project

#### Strengthening Maternal, Neonatal, and Child Health (MNCH) Supply Chain in Sindh & Punjab

Venue: DGHS Office, Hyderabad

Tuesday, November 13, 2019

#### Background & Introduction

Chemonics International Inc. through UNICEF funding has been awarded a one-year project for supply chain system strengthening of the Maternal, Neonatal and Child Health (MNCH). Project focuses information technology solutions to bring about systems and visibility to the MNCH Very Essential Medicine (VEMs). This is being done by adapting Pakistan vLMIS technology for the MNCH LMIS while focusing both GAPPD for diarrhea and pneumonia products as well as a platform for other health products.

A consultative meeting for reviewing and finalization of the MNCH-VEM 5 Year Forecast 2019-2023 was held on Wednesday, 13 November 2019. This was a follow up of the action point of the meeting held with public and private sector partners of Sindh province on 21 August 2019. The meeting held at the Committee Room of the Directorate General Health Services, Department of Health, Sindh.

Director General Health Services, Sindh, Dr. Masood Ahmed Solangi chaired the meeting which was fully represented by all public and private sector stakeholders and partners including Lady Health Workers (LHW), Maternal, Neonatal and Child Healthcare (MNCH) programs; Medical Emergency and Resilience Foundation (MERF), People's Primary Healthcare Initiative (PPHI), DHIS and Integrated Health Services (IHS). ([Annexure-A: List of participants](#); [Annexure-B: Agenda](#))

#### Meeting Proceedings

Meeting started with recitation of the Holy Quran followed by a brief introduction of the participants. Dr. Mumtaz Brohi, Coordinator, UNICEF HLMIS Project welcomed the participants and spoke about objectives of the meeting.

Dr. Syed Kamal Asghar, Health Specialist, UNICEF, during his opening remarks gave a brief overview of project progress in Sindh.

Dr. Asif Abbas, Forecasting and Supply Planning (FASP) Specialist gave a detailed presentation on the forecasting methodology and parameters taken into consideration for subject forecast.

All the participants from private and public sector actively participated and came up with a few suggestions regarding prevalence of maternal sepsis to be updated to 7%, chlorhexidine for live births to be updated to 2.7%, and ARI prevalence in 0-59-month children rather just Pneumonia to be considered for forecasting of standard Antibiotics.

The meeting concluded with the closing remarks by the chair, Dr. Masood Ahmed Solangi

#### Action Points:

Following are the action points of the consultative meeting;

- I. The MNCH-VEM 5-year forecast document will be shared with the DGHS Sindh for endorsement after recommended changes incorporation

- II. Department of Health to ensure compliance to the recommendations and constitute a Technical Working Group (TWG) for FASP



## ANNEXURE – A: List of Participants

Sr. No.	Name	Designation	Organization
1	Dr. Masood Ahmed Solangi	DGHS-Sindh	Health Department
2	Dr. Syed Kamal Asghar	Health Specialist	UNICEF
3	Dr. Younas Asad	Addl. Director, DGHS	Health Department
4	Dr. Yar Muhammad	Addl. Director(P.H), DGHS	Health Department
5	Dr. Ghayas Sanjrani	Assistant Director, DGHS	Health Department
6	Muhammad Moosa Qazi	Assistant Director, DGHS	Health Department
7	Qurban Ali	Statistical Officer, DGHS	Health Department
8	Shahnawaz	I.T Incharge, DGHS	Health Department
9	Dr. Soomar Khoso	Senior Health Consultant	Health Department
10	Dr. Waqar Mahmood	Program Manager, Nutrition	Health Department
11	Dr. Ghulam Murtaza	DHIS Coordinator	Health Department
12	Dr. Masud Ahmed	DHO Hyderabad	Health Department
13	Dr. Tasleem Akhtar Khamisani	MS-GMMMCH Hosp. Sukkur	Health Department
14	Dr. Kiran Batool	WMO, SGBH	Health Department
15	Dr. Anila	Chief MO	Health Department
16	Dr. Aneela Baloch	WMO, SGH Paretabad	Health Department
17	Dr. Haris Iqbal	SCWM	IHS
18	Dr. Abdul Rashid	Consultant	IHS
19	Hasham Bin Shafiq	Pharmacist	MERF
20	Dr. Shahzeen Khero	Cardiologist	Services Hospital
21	Dr. Jahan Ara Manan	Dermatologist	Services Hospital
22	Dr. Naheed Haroon	Paeditrician	Services Hospital
23	Dr. Saeeda Memon	Sr. Gynecologist	Services Hospital
24	Dr. Zahida	PHEO	DHSS
25	Dr. Fareena Memon	DFP	DHO Office
26	Asma Jatoi	Health Educationist Officer	Sindh LHW Program
27	Ghulam Fatima	LHV	Hussainabad Govt. Dispensary
28	Asgari	LHV	Hussainabad Govt. Dispensary
29	Dr. Bahar Ali	Reg. Public Health Specialist	PPHI
30	Dr. Mumtaz Brohi	District Coordinator	Chemonics
31	Dr. Tanweer Hussain	Prov. Team Lead	Chemonics
32	Ambreen Khan	National SC Coordinator	Chemonics
33	Dr. Asif Abbas	FASP Specialist	Chemonics
34	Yar Muhammad	SCO	Chemonics
35	Tanzeb Ali Abro	Admin & Finance Officer	Chemonics
36	Anib Aslam	Training Associate	Chemonics

## ANNEXURE – B: Meeting Agenda

# Consultative Meeting with Department of Health, Sindh

## Review and Finalization of MNCH Very Essential Medicines Forecast 2019-2023

November 13, 2019 - Hyderabad

### AGENDA

Time	Session	Facilitator
09:30	Registration & Participant Introduction	UNICEF HLMIS Project
09:45	Welcome Remarks & Objectives of Meeting	Dr. Tanweer Hussain/Dr. Mumtaz Brohi Team Lead Sindh / District Coordinator, UNICEF HLMIS Project
09:50	Remarks by UNICEF	Dr. Syed Kamal Asghar, Health Specialist, UNICEF Sindh
10:00	<b>Forecasting Exercise for Very Essential Medicines for Mothers;</b> Joint review, discussion and consensus building on approach, methodology, data and assumptions.	Dr. Syed Asif Abbas, Sr. FASP Specialist UNICEF HLMIS Project
11:30	Tea Break	
11:45	<b>Forecasting Exercise for Very Essential Medicines for Newborn &amp; U-5 Children;</b> Joint review, discussion and consensus building on approach, methodology, data and assumptions.	Dr. Syed Asif Abbas Sr. FASP Specialist UNICEF HLMIS Project
13:15	Closing Remarks	Dr. Masood Ahmed Solangi Director General Health Services, Government of Sindh
13:25	Way Forward & Vote of Thanks	Dr. Tanweer Hussain/Dr. Mumtaz Brohi Team Lead Sindh / District Coordinator, UNICEF HLMIS Project
13:30	Lunch	



## ANNEX-33: ENDORSEMENT OF MNCH VEML FORECAST AND HANDING OVER OF PRINTED COPIES



DIRECTORATE GENERAL HEALTH SERVICES

SINDH @ HYDERABAD

Phone # 022-9240106 Fax # 022-9240100

E-mail: [dghealthsindh@sindhhealth.pk](mailto:dghealthsindh@sindhhealth.pk)

No. DGHSS/ - (PH-Wing-Trg-(58-B))-  
To,

7884/90

Dated 04-12-2019

Dr. Muhammad Tariq,  
Country Director  
USAID Global Health Supply Chain Program-  
Procurement & Supply Management  
Islamabad.

SUBJECT: - FORECASTING EXERCISE FOR VERY ESSENTIAL MNCH COMMODITIES  
PRIORITIZED BY THE DEPARTMENT OF HEALTH GOVERNMENT OF SINDH.

Department of Health acknowledges and appreciates the services and effort of Chemonics International Inc. for the improvement of health system.

The undersigned endorse the documents focused on forecasting of MNCH very Essential Medicine List (VEML).

It is requested that copies of the documentary be printed in booklet form so it can be distributed at all health facilities of Sindh.

(DR. MASOOD AHMED SLONAGI)  
DIRECTOR GENERAL  
HEALTH SERVICES SINDH AT  
HYDERABAD

Copy forwarded for information:

- The Secretary, Government of Sindh, Health Department Karachi.
- The PS to Minister Health and Population Welfare Department Government of Sindh Karachi.
- Dr. Syed Kamal Asghar, Health Specialist, UNICEF Karachi.
- Dr. Muhammad Tariq, Country Director, Chemonics International, Islamabad.
- Dr. Tanveer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project Karachi.
- Dr. Mumtaz Brohi Coordinator, UNICEF HLMIS Project, Hyderabad.

February 07, 2020

**Dr. Mobin Ahmed Memon**  
Director General Health Services,  
Government of Sindh

**Subject: Final MNCH very Essential Medicines Forecast (2017-22)**

Dear Dr. Mobin Ahmed,

With reference to your office letter No. DGHSS/ - (PH-Wing-Trg-(58-B))/- dated December 04, 2019 on the subject captioned above, I take this opportunity to share the fifty printed copies of forecasting of very Essential Medicines (VEM).

We look forward to your kind acknowledgement.

Sincerely,



**Dr. Muhammad Tariq**  
Country Director

Enclosed: MNCH Forecast document Sindh (2017-22)

Copy for information:

1. Mr. Zahid Ali Abbasi, Secretary, Department of Health, Government of Sindh
2. Dr. Hanadi Mostafa, Project Director, UNICEF Country office, Islamabad
3. Dr. Tanweer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project, Karachi

## ANNEX-34: MINUTES - MEETING WITH DEPUTY COUNTRY REPRESENTATIVE



### Meeting Minutes - UNICEF Health LMIS (HLMIS) Progress and Updates

Strengthening Maternal, Neonatal, and Child Health (MNCH) Supply Chain in Sindh & Punjab

Venue: UNICEF Pakistan Country Office, Islamabad

Tuesday, October 15, 2019

#### Background

To discuss and share the feedback on technical report of deliverable-2, UNICEF-HLMIS Project, a meeting between Chemonics and UNICEF team, was held at UNICEF Pakistan Country Office, Islamabad. Following were the meeting participants:

Sr.	Names	Designation
1.	Dr. Hanadi Mostafa	Project Manager, UNICEF
2.	Dr. Naeem	UNICEF, Punjab
3.	Dr. Humaira Irshad	Programme Officer, UNICEF
4.	Dr. Muhammad Tariq	Country Director, Chemonics International Inc.
5.	Ms. Saleha Manzoor	National Supply Chain Coordinator, Chemonics International Inc.
6.	Ms. Ambreen Khan	National Supply Chain Coordinator, Chemonics International Inc.

#### Meeting Proceedings and Takeaways

Meeting started with the brief introduction by all participants and progress of UNICEF HLMIS project were held. Following were the main discussion points:

- UNICEF will share detailed technical feedback of UNICEF HQ on deliverable-2 report with Chemonics.
- It was advised by UNICEF that D2 should cover the holistic picture of the information system to be established in a way that it has inherent capacity to integrate any health product.
- The system will be named as Health LMIS and will have capability to be integrated ultimately with DHIS2 as part of future roadmap.
- The Project will conduct IT hardware assessment for HLMIS in both provinces in November, this year instead of December. A costed implementation plan will be shared with UNICEF in early December
- The Project in coordination with UNICEF will conduct quarterly review meeting of all development partners in early December



## ANNEX-35: FIRST HLMIS TWG MEETING IN SINDH



DIRECTORATE GENERAL HEALTH SERVICES  
SINDH @ HYDERABAD

Phone # 022-9240106 Fax # 022-9240100

E-mail: [dghealthsindh@sindhhealth.pk](mailto:dghealthsindh@sindhhealth.pk)

No. DGHSS/ - (PH-Wing-35(Chemonics))- 8252/58 DATED 24-12-2019

To,

The Participants,  
List attached.

SUBJECT:- MINUTES OF FIRST TECHNICAL WORKING GROUP (TWG) MEETING UNICEF HEALTH LOGISTICS MANAGEMENT INFORMATION SYSTEM (HLMIS) PROJECT

Enclosed find herewith minutes of First Technical Working Group (TWG) meeting UNICEF Health Logistics Management Information System (HLMIS) Project held on 27-11-2019 at Movenpick Hotel Karachi for your information and necessary action.

Encl: As above.

(DR. MASOOD AHMED SOLANGI)  
DIRECTOR GENERAL  
HEALTH SERVICES SINDH AT HYDERABAD

Copy forwarded for information:

1. The Secretary, Government of Sindh, Health Department Karachi.
2. The PS to Minister Health and Population Welfare Department Gpvpermmt of Sindh Karachi.
3. Dr. Muhammad Tariq, Country Director, Chemonics International, Islamabad.
4. Dr. Syed Kamal Asghar, Health Specialist, UNICEF, Karachi
5. Dr. Tanveer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project Karachi.
6. Dr. Mumtaz Brohi Coordinator, UNICEF HLMIS Project, Hyderabad.

## Minutes of First Technical Working Group (TWG) Meeting

### UNICEF Health Logistics Management Information System (HLMIS) Project

#### Strengthening Maternal, Neonatal, and Child Health (MNCH) Supply Chain in Sindh & Punjab

Venue: Movenpick Hotel, Karachi

Tuesday, November 27, 2019

#### **Background & Introduction**

Chemonics International Inc. through UNICEF funding has been awarded a one-year project for supply chain system strengthening of Maternal, Neonatal and Child Health (MNCH) for bringing visibility to MNCH Very Essential Medicine (VEMs) through HLMIS Project with focus on diarrhea and pneumonia products.

A HLMIS Technical Working Group was notified by DGHS Sindh vide letter No. DGHSS/PH-Wing/5833/80 to oversee the progress made on the implementation of agreed design and recommendations for effective supply chain management of MNCH products. The TWG meeting was held on 27<sup>th</sup> November, 2019, at Movenpick Hotel, Karachi, chaired by Dr. Yar Muhammad Khoso, Additional Director General Health Services. The participants included representatives from Directorate General Health Services (DHIS, LHW & MNCH programs), partner organizations including MERF, IHS, PPHI, HANDs, along with development partners i.e. UNICEF. The meeting was aimed to review the progress made towards HLMIS development, interfacing with information systems and its deployment (*Participants List – Annexure A; Agenda of the meeting – Annexure-B*).

#### **Meeting Proceedings**

Meeting started with the recitation. After the brief introduction of participants, Ms. Ambreen Khan, National Supply Chain Coordinator, Chemonics International Inc apprised the participants on meeting objectives, including scope of project, deliverables, status of activities, salient features of HLMIS, and support required from all stakeholders to bridge the gaps. UNICEF HLMIS MIS team presented the MNCH District Store Inventory Management module, dashboards and requested the partners and government stakeholders to share the product profile, geographical location data, and health facilities list for data mapping, being a pre-requisite for interfacing. The team clarified to all participants that only MNCH VEML data and its interfacing is required.

All the participants agreed that it's very important to take policy decisions pertaining to MNCH supply chain i.e. defining min/max for stock at different levels, streamlining storage and distribution mechanism and forecasting/supply planning. These policy decisions will help improving the commodity security of MNCH products at the last mile.

Dr. Ayaz Soomro and Dr. Kamal Asghar from UNICEF shared that the HLMIS data would enable evidence-based planning and resource allocations.

Additional Director General Health Services concluded the meeting and thanked partners for the Department of Health and partners for participation and valuable feedback on the system.

#### **Action Points:**

Following are the action points of the meeting:

1. All the participants from different stakeholders unanimously agreed on the final HLMIS system
2. It was agreed that all the stakeholders will share the data with UNICEF HLMIS team by 6<sup>th</sup> December, 2019
3. DGHS office will issue a formal notification of Min-Max for MNCH VEML product and circulate among all stakeholders
4. Training of Trainers and roll-out trainings will be conducted of all relevant staff of 29 districts in January-February 2019
5. Next TWG meeting will be convened by the first week of January 2020.







## ANNEXURE – A; List of Participants

#	Name	Designation	Organization
1	Dr. Yar Muhammad Khoso	Additional Director Public Health	Health Department Sindh, Hyderabad
2	Dr. Ghulam Murtaza Memon	DHIS Coordinator	Health Department Sindh, Hyderabad
3	Mr. Irfan Pirzada	Provincial MIS Coordinator	Sindh LHW Program, Hyderabad
4	Dr. Naveed Bhutto	Policy Officer	Nutrition Support Program Sindh, Karachi
5	Dr Teerath Das	Deputy Program Director	MNCH Sindh, Karachi
6	Dr. Zaib Dahar	Senior Technical Advisor	PPHI Sindh, Karachi
7	Dr. Ahsansullah	Technical Focal Person	EPI Sindh, Karachi
8	Dr. Abdul Rashid	Consultant	IHS, Karachi
9	Mr. Kashif Hasnain	IT Officer	HANDS, Karachi
10	Mr. Maqbool Ahmed	District Program Manager	HANDS, Karachi
11	Mr. Adam Malik	Regional Program Manager	MERF, Thatta
12	Dr. Ayaz Hussain	Health Specialist	UNICEF, Karachi
13	Dr. Kamal Asghar	Health Specialist	UNICEF, Karachi
14	Dr. Tanweer Hussain	Supply Chain Team Lead Sindh	Chemonics International, Hyderabad
15	Dr. Mumtaz Brohi	Coordinator	Chemonics International, Hyderabad
16	Ms. Ambreen Khan	National Supply Chain Coordinator	Chemonics International, Islamabad
17	Mr. Ijaz Haider	Manager MIS	Chemonics International, Islamabad
18	Mr. Tanzeb Ali Abro	Admin & Finance Officer	Chemonics International, Hyderabad
19	Mr. Tauseef Baig	Supply Chain Officer	Chemonics International, Karachi
20	Mr. Yaqoob Laghari	Supply Chain Officer	Chemonics International, Karachi
21	Mr. Asif Jatoi	Supply Chain Officer	Chemonics International, Karachi
22	Mr. Anwer Ali	Support Staff	Chemonics International, Hyderabad

## ANNEXURE – B; Meeting Agenda

# HLMIS TWG Meeting

## MNCH Supply Chain System Strengthening

### AGENDA

Venue: Conference Room, Movenpick, Karachi  
November 27, 2019

Time	Session	Facilitator
09:30 AM	Registration & Introduction of Participants	UNICEF HLMIS Project
09:45 AM	Opening Remarks	Chairperson
10:00 AM	Project Status, Objectives of the meeting	UNICEF HLMIS Project
10:30 AM	Status on Interfacing of vertical and partner systems with MNCH HLMIS	UNICEF HLMIS Project (MIS Team)
11:00 AM	Decide action points for completion of interfacing of vertical and partner systems with MNCH HLMIS	UNICEF & UNICEF HLMIS Project, All Participants
11:30 AM	Strategies for HLMIS/MIMS deployment in Sindh	UNICEF & UNICEF HLMIS Project, All Participants
12:45 PM	Recommendations and Way Forward	Chairperson
1:00 PM	Refreshment	

## ANNEX-36: SECOND HLMIS TWG MEETING IN PUNJAB



**DIRECTORATE GENERAL HEALTH SERVICES PUNJAB,  
24-COOPER ROAD, LAHORE**

Ph No 042-99201139-40, Fax No 042-99201142

NO. 4125-39 /PA/MIS  
Dated: Lahore, 26<sup>th</sup> November, 2019

Dear Sir/Madam,  
(List attached)

**SUBJECT: MINUTES OF MEETING OF HLMIS TECHNICAL WORKING GROUP**

The second meeting of technical working group (TWG) was held under the chairmanship of Director MIS, Punjab at Committee Room of Directorate General Health on November 26, 2019.

Minutes of meeting are attached for your information.

  
**DIRECTOR HEALTH SERVICES (MIS)**  
**PUNJAB**

**CC**

1. Secretary P&SHD, Punjab
2. Director General Health Services, Punjab
3. Program Director IRMNCH&NP
4. CEO PHFMC, Punjab
5. CEOs (H) Muzaffargarh, RY Khan, DG Khan, Bahawalnagar and Pakpattan.
6. Dr. Muhammad Tariq, Country Director, USAID GHSC PSM
7. Dr. Naeem Majeed, Consultant, UNICEF
8. Dr. Ameer-ud din Chohan, Punjab Team Lead, HLMIS UNICEF.
9. All members

## Minutes of Second Technical Working Group (TWG) Meeting

### UNICEF Health Logistics Management Information System (HLMIS) Project

#### Strengthening Maternal, Neonatal, and Child Health (MNCH) Supply Chain in Sindh & Punjab

Venue: Director General Health Services - Punjab

Tuesday, November 26, 2019

#### **Background & Introduction**

Chemonics International Inc. through UNICEF funding has been awarded a one-year project for supply chain system strengthening of Maternal, Neonatal and Child Health (MNCH) for bringing visibility to MNCH Very Essential Medicine (VEMs) through HLMIS Project with focus on diarrhea and pneumonia products.

A HLMIS Technical Working Group was notified by DGHS Punjab to oversee the progress made on the implementation of agreed design and recommendations for effective supply chain management of MNCH products. The 2nd meeting of TWG was held on 26<sup>th</sup> November, 2019, at the Conference Room, DGHS office, chaired by Dr. Bashir Ahmed, Director Health Services MIS. The participants included representatives from Directorate General Health Services, Primary and Secondary Healthcare Department (PHSD), Punjab Information Technology Board (PITB) along with development partners i.e. UNICEF, WHO. The meeting aimed to review the progress made towards HLMIS development, interfacing with information systems and its deployment.

#### **Meeting Proceedings**

The meeting started with recitation of Holy Quran followed by brief introduction of the participants. Dr. Amir ud Din Chohan, Team Lead, UNICEF HLMIS Project apprised the group about specific objectives of the TWG and also shared the progress (*Agenda of the meeting - Annexure-B*).

Detailed discussions were held on the deployment of HLMIS that included interfacing with Medicine Inventory Management System developed and implemented by Health Information & Service Delivery Unit (HISDU), Punjab. Warehouse Management module encompassing all vertical supply chains has been deployed at provincial warehouses and 5 Pneumonia & Diarrhea intervention district stores. This would be scaled up and implemented to the district stores of all 36 district stores of Punjab.

As agreed earlier the HLMIS has been deployed at HISDU data center for test run. The process of interfacing is also in process., only one system would be implemented in PSHD Punjab for supply chain management of health products.

Dr. Chohan apprised the participants about the situational analysis of IT hardware and human resource available in the 5 districts on the basis of his recent visits for preparation of costed implementation plan. He briefed that tablets are available along with good internet facility at most of the health facilities, however, provincial and district stores have no hardware or software support. It was also discussed that computer operators are not available at any tier and at least three people per facility should be trained for smooth functioning.

All the participants agreed that it's very important to take policy decisions pertaining to MNCH supply chain i.e. defining min/max for stock at different levels, streamlining storage and distribution mechanism and forecasting/supply planning. These policy decisions will help improving the commodity security of MNCH products at the last mile.

Meeting ended with vote of thanks by Project Team Lead Punjab.

#### **Action Points:**

Following are the action points of the meeting:

1. HLMIS should also include inventory management of equipment and ancillary items along with drugs.
2. An administrative/executive dashboard will be provided for provincial and district managers for visualizing the complete stock position at all tiers of supply chain.
3. Financial reports will be added for administrative purposes at provincial dashboards.
4. Consumption data entry will be started for 24/7 BHUs at 5 Pneumonia and Diarrhea districts.
5. The consumption data of 24/7 will be added on monthly basis to start with instead of real time.
6. Auto alerts will be generated on the basis of thresholds guided by procurement cell of DGHS.
7. Training of three nominated staff per facility to use the HLMIS for uninterrupted regular reporting.
8. Interfacing of HLMIS with MIMS will be expedited in consultation with HISDU.



## ANNEXURE – A; List of Participants

#	Name	Designation	Organization
1	Dr. Bashir Ahmad	DHS-MIS	Health Department, Punjab
2	Dr. Akhtar Rasheed	Senior Advisor FP & Nutrition	MDU, P&SHD
3	Mr. Muhammad Rao Alamgir	Director Procurement, DGHS	Health Department, Punjab
4	Mr. Muhammad Farooq	Program Officer MIS Cell	Health Department, Punjab
5	Ms. Aleena Tahir	Data Analyst, MIS-Cell / DGHS	Health Department, Punjab
6	Mr. Aziz Ullah	Software Developer, MIS-Cell / DGHS	Health Department, Punjab
7	Ms. Nadia Kiran	In-charge MIS, IRMNCH & NP	Health Department, Punjab
8	Mr. Mudassar Khan	AO, MSD	Health Department, Punjab
9	Mr. Waqas Akram	PM	PITB
10	Dr. Naeem Majeed	Consultant	UNICEF
11	Mr. Nabeel Ahmed Maqbool	Team Lead Punjab	Chemonics International Inc.
12	Dr. Amir Ud Din Chohan	Team Lead Punjab	UNICEF HLMIS Project
13	Mr. Syed Zeeshan Ali	Admin & Finance Officer	UNICEF HLMIS Project
14	Mr. Shaf Chaudhry	Supply Chain Officer, Lahore	UNICEF HLMIS Project
15	Dr. Ahmad Shafique	Director program Punjab	JSI
16	Harris Khalid	Supply chain Associate	UNICEF HLMIS Project
17	Dr. Jamshaid Ahmad	Head WHO	WHO
18	Abdul Qayyum	Supply Chain Specialist	PPT

## ANNEXURE – B; Meeting Agenda

### Second HLMIS TWG Meeting FINAL AGENDA

Conference Room, DG Health Office, Lahore  
November 26, 2019

Time	Session	Facilitator
10:00 AM	Registration & Introduction of Participants	UNICEF HLMIS Project
10:15 AM	Project Status, Objectives of the meeting	Team Lead Punjab, UNICEF - HLMIS Project
10:30 AM	Discussions on Actions Points and Strategies for HLMIS/MIMS deployment in Punjab	UNICEF & Chemonics International Inc. & All Participants
12:45 PM	Recommendations and Way Forward	Director Health Services (MIS), Government of Punjab
1:00 PM	Refreshment	



## ANNEX-37: NEED ASSESSMENT TOOLS AND VISIT SCHEDULE SINDH AND PUNJAB



**Dr. Masood Ahmed Solangi**  
Director General Health Services  
Government of Sindh

November 14, 2019

**Subject: Need Assessment of Staff and Resources in Selected Districts of Sindh**

Dear Dr. Masood Ahmed Solangi,

Chemonics International Inc., presents its compliments to the Department of Health, Government of Sindh and acknowledges your leadership support for public health supply chain system strengthening in the province.

I am pleased to inform you that as part of HLMIS implementation, the next step entails conducting a detailed needs assessment for staff and resources in selected districts and facilities of Sindh. The assessment would be aimed to evaluate the equipment/hardware and staff required for seamless implementation of HLMIS system province-wide. Tentative visit plan is enclosed herewith for your kind reference.

We would appreciate, if the department kindly issues the necessary instructions to concerned DHOs regarding visits and notification of the focal person at the district level to accompany the team.

We further request the department to kindly share the attached data acquisition template with the districts so that facility-wise equipment and HR requirement could be objectively gauged.

Looking forward to your kind response.

Sincerely,

**Dr. Muhammad Tariq**  
Country Director

Enclosed: 1. Needs Assessment Visit Plan  
2. Data acquisition template

Copy for information:

1. Mr. Zahid Ali Abbasi, Secretary, Department of Health, Government of Sindh
2. Dr. Humaira Ishaq, Programme Officer, UNICEF Country Office, Islamabad
3. Dr. Syed Kamel Asghar, Health Specialist, UNICEF – Sindh
4. Dr. Tanweer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project, Karachi

Islamabad Office, NUST Science and Technology Park (INSTP) H12, Islamabad, 46000, Pakistan, Phone no. +9251-8914 633 36

## Visit Plan Need Assessment of Staff and Resources in Sindh

S#	Districts	Days	Date
1	West & Central Karachi	4	Nov 19-22, 2019
2	Malir & Korangi	4	Nov 19-22, 2019
3	South & East Karachi	4	Nov 19-22, 2019
4	Jamshoro	2	Nov 19-20, 2019
5	Matlari	2	Nov 21-22, 2019
6	TA Yar	2	Nov 18 & 20, 2019
7	Hyderabad	2	Nov 21-22, 2019
8	Sukkur	2	Nov 19-20, 2019
9	Khairpur	1	Nov 21, 2019
10	Mirpurkhas	2	Nov 19-20, 2019
11	Umerkot	2	Nov 21-22, 2019
12	Ghotki	2	Nov 19-20, 2019
13	Kashmore	2	Nov 21-22, 2019
14	Larkana	2	Nov 19-20, 2019
15	Kamber	2	Nov 21-22, 2019
<b><i>Note: 2 facilities per district will be visited</i></b>			

[illegible]

1



**DIRECTORATE GENERAL HEALTH SERVICES PUNJAB**  
**24-COOPER ROAD, LAHORE**  
Ph No 042-99201139-40, Fax No 042-99201142

No. 2225-38 /PA/DGHS

Dated: Lahore, 14<sup>th</sup> November, 2019

**Chief Executive Officer**

**District Health Authority (Muzaffargarh, RY Khan, DG Khan, Pakpattan, Bahawalnagar)**

**Subject: Preparation of CIP Plan for IT Hardware Support for Implementation of HLMIS**

Department of Health Punjab is implementing the Prevention of Pneumonia & Diarrhea project since 2016 with the support of UNICEF in five districts (Muzaffargarh, Pakpattan, Bahawalnagar, Dera Ghazi Khan, Rahim Yar Khan) of Punjab. Chemonics International has been engaged to develop Health Logistics Management Information System to strengthen supply chain of MNCH very essential medicines.

In order to develop a costed implementation plan for IT hardware support required at your district, a joint team comprising of DGHS representatives, Mr. Farooq Ahmed/MIS Cell and Dr. Amir-ud-din Chohan, Team Lead UNICEF HLMIS project will visit the district as per attached schedule.

You are directed to extend all possible support to carry out the exercise smoothly.

**DIRECTOR GENERAL HEALTH SERVICES,**  
**PUNJAB**

C.C.

1. PS to Secretary PSHD
2. Chief Executive Officer PHFMC
3. Project Director IRMNCH&NP
4. Concerned District Managers of PHFMC
5. Dr. Muhammad Tariq, Country Director, USAID GHSC PSM
6. Dr. Naeem Majeed, Health Specialist, UNICEF
7. Dr. Amir Ud Din Chohan, Team Lead HLMIS Project, UNICEF
8. Mr. Farooq Ahmed, Computer Program Officer, MIS Cell, DGHS Office

Visits Schedule for IT Hardware Assessment / Prepration of Implementation plan for HLMIS		
Visit	Date	Name of District
	19-Nov-19	Dera Ghazi Khan
	20-Nov-19	Muzaffargarh
	21-Nov-19	Bahawalnagar/Rahim Yar Khan
	22-Nov-19	Pakpattan

## ANNEX-38: PUNJAB DATA COLLECTION TOOLS

Details of assessment data can be accessed through [PUNJAB NOV 2019.xlsx](#)

### District Level- Staff and IT Assessment Form

District Name: \_\_\_\_\_

S #	Faci lity Na me	Computer Infrastructure					Alternate Power			No. of Com puter Oper ators	MIS			Facility In charge	
		N o. of P C s	No. of Lapt ops	No. of Tabl ets	No. of Prin ters	Inter net Avail able (Yes/ No)	UPS (Yes/ No)	Gene rator (Yes/ No)	Solar Pow er (Yes/ No)		DHI S (Yes/ No)	LMI S (Yes/ No)	Any other MIS (Menti oned Name)	Na me	Con tact num ber



## Facility Level - Staff and IT Assessment Form

Facility Name \_\_\_\_\_ In-Charge name \_\_\_\_\_

Stakeholder \_\_\_\_\_ In-Charge Contact number & Email \_\_\_\_\_

Category	#	Description	Response	Government Data	Difference
Computer Infrastructure	1	Number of Personal Computers (PCs) in facility?			
	2	Number of Laptops in facility?			
	3	Number of Tablets in facility?			
	4	Number of Printers?			
	5	Internet available (Yes/No)?			
Alternate Electric Supply	6	UPS available (Yes/No)?			
	7	Generator available (Yes/No)?			
	8	Solar Power available (Yes/No)?			
HR	9	Number of Data Entry Operators?			
MIS	10	Are you using MIMS System (Yes/No)?			
	11	Are you using DHIS (Yes/No)?			
	12	Are you using LMIS(Yes/No)?			

## ANNEX-39: SINDH DATA COLLECTION TOOLS

Details of assessment data can be accessed through [SINDH NOV 2019.xlsx](#)

### District Level- Staff and IT Assessment Form

District Name: \_\_\_\_\_

S #	Facility Name	Computer Infrastructure					Alternate Power			No. of Com puter Oper ators	MIS			Facility In charge	
		N o. of P C s	No. of Lapt ops	No. of Tabl ets	No. of Prin ters	Inter net Avail able (Yes/ No)	UPS (Yes/ No)	Gene rator (Yes/ No)	Solar Pow er (Yes/ No)		DHI S (Yes/ No)	LMI S (Yes/ No)	Any other MIS (Menti oned Name)	Na me	Con tact num ber

## Facility Level - Staff and IT Assessment Form

Facility Name \_\_\_\_\_ In-Charge name \_\_\_\_\_

Stakeholder \_\_\_\_\_ In-Charge Contact  
number & Email \_\_\_\_\_

Category	#	Description	Response
Computer Infrastructure	1	Number of Personal Computers (PCs) in facility?	
	2	Number of Laptops in facility?	
	3	Number of Tablets in facility?	
	4	Number of Printers?	
	5	Internet available (Yes/No)?	
Alternate Electric Supply	6	UPS available (Yes/No)?	
	7	Generator available (Yes/No)?	
	8	Solar Power available (Yes/No)?	
HR	9	Number of Data Entry Operators?	
MIS	10	Are you using MIMS System (Yes/No)?	
	11	Are you using DHIS (Yes/No)?	
	12	Are you using LMIS(Yes/No)?	

## ANNEX-40: ENDORSEMENT OF THE HLMIS SYSTEM



**DIGITIZING HEALTH SECTOR**

**ENDORSEMENT**

**Health Logistics Management Information System (HLMIS)**



**unicef**

for every child



*"I genuinely appreciate the collective efforts of Provincial Governments, UNICEF, BMGF, WHO, USAID and NGOs for strengthening the public health supply chain systems for improved access of essential health commodities across the country"*

*Dr. Zafar Mirza, State Minister for Health*



*"It is a great achievement that HLMIS has brought data visibility of very essential MNCH medicines at provincial & district stores and health facilities in Punjab & Sindh. UNICEF envisages that other provinces and regions shall follow the suit"*

*Dr. Aina Girma, UNICEF Country Representative*





The Health Logistics Management Information System (HLMIS) has been developed by Chemonics International Inc. with the technical and financial support of UNICEF and the Bill & Melinda Gates Foundation for the public and NGO sectors of Punjab and Sindh provinces. The HLMIS system has been engineered to bring about visibility and subsequent improved availability of Maternal, Newborn and Child Health (MNCH) Very Essential Medicines (VEMs) with a focus on commodities that treat pneumonia and diarrhea. While focusing on the Global Action for Pneumonia and Diarrhea (GAPPD), the HLMIS provides a national platform to enable integrated reporting of the health system inventories successfully hosted and secured by the Ministry of IT and National Telecommunications under a memorandum of understanding with the Ministry of National Health Services Regulation and Coordination (MoNHSR&C). To ensure the uninterrupted availability of very essential MNCH products to the mothers and children of Pakistan, Chemonics International also developed a 5-year costed forecast based on the services, demographics, and logistics data. The forecast has been duly endorsed by both the provincial governments.

A formal HLMIS endorsement ceremony was held on January 17, 2020, at Islamabad. State Minister of Health, Dr. Zafar Mirza chaired the ceremony. The five year costed forecasts of Sindh and Punjab were also handed over to the respective governments.

The event was attended by UNICEF Country Representative, Dr. Aina Girma; Director USAID Health Office, Dr. Han Kang and representatives from the provincial governments, academia, development partners and private sector organizations.

The end to end visibility of MNCH essential medicines through HLMIS would empower the policy and program tiers to take evidence-based decisions. The technology solution will improve MNCH supply chain system and functions in both provinces thus availability of these products to women, children, infants and neonates. The technology intervention would contribute towards reducing differentials between public health policy and access.



**Chemonics**  
Development works here.

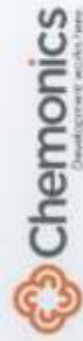


## ENDORSEMENT

### Health Logistics Management Information System (HLMIS)

  
Government of Punjab

  
Government of Sindh



## ANNEX-41: SELECTION CRITERIA FOR MASTER TRAINERS

- Proficiency in operating computer including functional knowledge and skills in using Windows 7, Microsoft Office 2007 and above, Internet Explorer, Mozilla Firefox and Google
- Hand-on experience on health management information system
- Experience at provincial or district level logistics management information system and reporting
- Good communication and training skills
- Willingness and availability to travel in districts as and when required
- Regular government employee
- Working at provincial/ district store



## ANNEX-42: NOMINATIONS FOR MASTER TRAINERS



**Dr. Haroon Jahangir Khan**  
Director General Health Services,  
Government of Punjab

January 13, 2020

**Subject: Nomination of Participants for ToT and District Staff training workshops on HLMIS**

Dear Dr. Haroon Jahangir,

Chemonics International Inc. presents its compliments to Department of Health, Government of Punjab and acknowledges your great leadership & support for successful development of MNCH LMIS in selected districts of Punjab.

As the development of HLMIS has been successfully accomplished, the next step is to train the government staff on MNCH LIMS, in this context a three-day ToT workshop has been organized in Islamabad from 21<sup>st</sup> Jan to 23 Jan 2019 to train the group of master trainers on MNCH – LIMS and two-days district staff training work-shop organized at Lahore from January 30-31, 2020 to train district staff.

In above context, may I request you to please, nominate five participants from your province for ToT workshop and fifteen participants for district staff training workshop. The selection criterias for ToT participants (*Annex-I*) and district staff participants (*Annex-II*) is enclosed along with training plan in (*Annex-III*).

It is requested to please share the nominations of training participants by the end of this week to timely ensure logistics and administrative arrangements.

Thank you for your kind support

**Dr. Muhammad Tariq**  
Country Director

Copy for information:

1. Capt. Retd. Muhammad Usman, Secretary, PSHD, Punjab
2. Mr. Rao Alamgir, Director Procurement, DGHS, Punjab
3. Mr. Farooq Ahmed, MIS cell, DGHS Punjab
4. Dr. Hanadi Mostafa, Project Director, UNICEF Country Office, Islamabad
5. PS to MOS, MONHSR&C, Islamabad

Islamabad Office, NUST Science and Technology Park (NSTP) H12, Islamabad, 44000, Pakistan, Phone no. +9251-9444 533-36

**Dr. Yar Muhammad Khoso**  
Director General Health Services,  
Government of Sindh

January 13, 2020

**Subject: Nomination of Participants for ToT and District Staff training workshops on HLMIS**

Dear Dr. Yar Muhammad,

Chemonics International Inc. presents its compliments to Department of Health, Government of Sindh and acknowledges your great leadership & support for successful development of MNCH LMIS in selected districts of Sindh.

As the development of HLMIS has been successfully accomplished, the next step is to train the government staff on MNCH LIMS. In this context a three-day ToT workshop has been organized in Islamabad from January 21-23, 2020 to train the group of master trainers on MNCH – LIMS and two-days district staff training work-shop has been organized at Karachi from January 28-29, 2020 to train district staff.

In above context, may I request you to please, nominate five participants from your province for ToT workshop and Twenty-five participants for district staff training workshop. The selection criteria for ToT participants (*Annex-I*) and district staff participants (*Annex-II*) is enclosed along with training plan (*Annex-III*)

It is requested to please share the nominations of training participants by the end of this week to timely ensure logistics and administrative arrangements.

Thank you for your kind support



**Dr. Muhammad Tariq**  
Country Director

Copy for information:

1. Dr. Zahid Ali Abbasi, Secretary, Department of Health, Sindh
2. Dr. Mir Muhammad Dahiri, Program Director, Sindh LHW Program
3. Program Director, MNCH Program, Sindh
4. Dr. Ghulam Mortaza Memon, Epidemiologist and DHIS Coordinator, DGHS Sindh
5. Dr. Waqar Mahmood Memon, Project Director, Sindh Nutrition Program
6. Dr. Hanadi Mostafa, Project Director, UNICEF Country Office, Islamabad
7. PS to MOS, MCNHSR&C, Islamabad

## Selection Criteria fo Master Trainer

- Proficiency in operating computer including functional knowledge and skills in using Windows 7, Microsoft Office 2007 and above, Internet Explorer, Mozilla Firefox and Google
- Hands-on experience on health management information system
- Experience at provincial or district level logistics management information system and reporting
- Good communication and training skills.
- willingness and availability to travel in districts as and when required.
- Regular government employee.
- Working at district/provincial store.

## *Annexure - II*

### Selection Criteria fo Participants of District Staff Training Workshop

- Familiar with WMS
- Familiar basic arithmetic Calculations.
- Familiar with basic computer skills
- Familiar with use Internet and MS office.
- Regular staff of Department of Health / Employee of partner organization

Annexure-III

Training Plan - January 2020					
S#	Participant	Activity/Purpose	Destination	Days	Travelling Date/Week
1	15 Govt. Staff	ToT on HLMIS for Sindh/Punjab	Islamabad	3	(Tentatively Jan 21-22-23)
2	15 Govt/Partner Organization Staff	Session 2 - Training of Punjab provincial/district staff on HLMIS (30 participants)	Lahore	2	(Tentatively Jan 30-31)

**Mr. Irfan Nawaz Memon**  
Chief Executive Officer, PHFMC  
Government of Punjab

January 13, 2020

**Subject: Nomination of Participants for ToT workshops on HLMIS – Islamabad (January 21-23, 2020)**

Dear Dr. Irfan,

Chemonics International Inc. presents its compliments to Department of Health, Government of Punjab and acknowledges your great leadership & support for successful development of MNCH - LMIS in selected districts of Punjab.

As the development of HLMIS has been successfully accomplished, the next step is to train the government staff on MNCH - LMIS, in this context a three day ToT workshop has been organized in Islamabad from 21<sup>st</sup> Jan to 23<sup>rd</sup> Jan, 2020 to train the group of master trainers on MNCH - LMIS.

In above context, may I request you to please, nominate one participant from your department for ToT workshop. The selection criteria for ToT participants is referred in *(Annex-I)*.

It is requested to please share the nomination of training participant by the end of this week to timely ensure logistics and administrative arrangements.

Thank you for your kind support



**Dr. Muhammad Tariq**  
Country Director

Copy for information:

1. Dr. Muhammad Haroon Jhangir Khan, DGHS, Punjab
2. Capt. Rtd. Muhammad Usman, Secretary, PSMD, Punjab
3. Mr. Rao Alamgir, Director Procurement, DGHS, Punjab
4. Mr. Farooq Ahmed, MIS cell, DGHS Punjab
5. Dr. Hanadi Mostafa, Project Director, UNICEF Country Office, Islamabad
6. PS to MOS, MONHSR&C, Islamabad



Mr. Ahmar Khan  
Project Director, HISDU  
Government of Punjab

January 13, 2020

**Subject: Nomination of Participants for ToT workshops on HLMIS – Islamabad (January 21-23, 2020)**

Dear Dr. Ahmar,

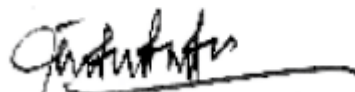
Chemonics International Inc. presents its compliments to Department of Health, Government of Punjab and acknowledges your great leadership & support for successful development of MNCH - LMIS in selected districts of Punjab.

As the development of HLMIS has been successfully accomplished, the next step is to train the government staff on MNCH - LMIS, in this context a three-day ToT workshop has been organized in Islamabad from 21<sup>st</sup> Jan to 23<sup>rd</sup> Jan, 2020 to train the group of master trainers on MNCH - LMIS.

In above context, may I request you to please, nominate one participant from HISDU for ToT workshop. The selection criteria for ToT participants is referred in *(Annex-I)*.

It is requested to please share the nomination of training participant by the end of this week to timely ensure logistics and administrative arrangements.

Thank you for your kind support



**Dr. Muhammad Tariq**  
Country Director

Copy for information:

1. Dr. Muhammad Haroon Jahangir Khan, DGHS, Punjab
2. Capt. Retd. Muhammad Usman, Secretary, PS&D, Punjab
3. Mr. Rao Alamgir, Director Procurement, DGHS, Punjab
4. Mr. Farooq Ahmed, MIS cell, DGHS Punjab
5. Dr. Hanadi Mostafa, Project Director, UNICEF Country Office, Islamabad
6. PS to MCG, MONHSR&C, Islamabad

**Dr. Mukhtar Hussain Syed**  
Project Director, IRMNCH  
Government of Punjab

January 13, 2020

**Subject: Nomination of Participants for ToT workshops on HLMIS – Islamabad (January 21-23, 2020)**

Dear Dr. Mukhtar,

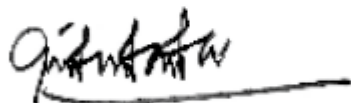
Chemonics International Inc. presents its compliments to Department of Health, Government of Punjab and acknowledges your great leadership & support for successful development of MNCH - LMIS in selected districts of Punjab.

As the development of HLMIS has been successfully accomplished, the next step is to train the government staff on MNCH - LMIS, in this context a three-day ToT workshop has been organized in Islamabad from 21<sup>st</sup> Jan to 23<sup>rd</sup>, 2020 to train the group of master trainers on MNCH – LMIS.

In above context, may I request you to please, nominate one participant from your program for ToT workshop. The selection criteria for ToT participants is referred in *(Annex-I)*.

It is requested to please share the nomination of training participant by the end of this week to timely ensure logistics and administrative arrangements.

Thank you for your kind support



**Dr. Muhammad Tariq**  
Country Director

Copy for information:

1. Dr. Muhammad Haroon Jahangir Khan, DGHS, Punjab
2. Capt. Retd. Muhammad Usman, Secretary, PSHD, Punjab
3. Mr. Rao Alamgir, Director Procurement, DGHS, Punjab
4. Mr. Farooq Ahmad, MIS cell, DGHS Punjab
5. Dr. Hanadi Mostafa, Project Director, UNICEF Country Office, Islamabad
6. PS to MOS, MONHSR&C, Islamabad



DIRECTORATE GENERAL HEALTH SERVICES  
SINDH @ HYDERABAD

Phone # 022-9240106 Fax # 022-9240100

E-mail: [dghealthsindh@sindhhealth.pk](mailto:dghealthsindh@sindhhealth.pk)

No. DGHSS/ - (PH-Wing-Trg-(58-B))-

428/35

Dated 15-01-2020

To,

Dr. Muhammad Tariq,  
Country Director  
USAID Global Health Supply Chain Program-  
Procurement & Supply Management  
Islamabad.

SUBJECT: - NOMINATION OF PARTICIPANTS FOR TOT AND DISTRICT STAFF TRAINING WORKSHOP ON HLMIS.

Reference:- Your office letter dated 13-01-2020

Department of Health Government of Sindh in collaboration with Chemonics International, have planned a three day ToT workshop on HLMIS. Schedule to be held from 21-23 January, 2020 at Islamabad.

The following officers and official are hereby nominated regarding the subjected workshop.

1. Dr. Khalid Nawaz Qureshi, DHO Office Thatta
2. Dr. Khalid Nawaz Qureshi, DHO Office Thatta Dr. Ghulam Murtaza Memon, Epidemiologist, / Focal Person DHIS at Directorate General.
3. Dr. Ghayasuddin Sanjrani, Assistant Director (RCH) at Directorate General Health Services Sindh at Hyderabad.
4. Dr. Aijaz Ali Memon, Medical Officer, DHO Office Hyderabad.
5. Dr. Dilbar Mari, DHIS Coordinator, DHO Office, Mirpurkhas.
6. Dr. Wahid Bux Chadhar, Medical Officer, DHO Office Ghotki.
7. Mr. Irfan Pirzada, MIS Coordinator, Sindh LHW Program Hyderabad.
8. Dr. Shahid Hussain Khokhar, Medical Officer, DHO Office Larkana.
9. Dr. Muhammad Baqar Abro, Medical Officer, DHO Office Naushahro Feroze.
10. Mr. Shahnawaz Memon, Computer Operator Directorate General Health Services Sindh at Hyderabad.

The Chemonics International will support in logistic arrangements. For any further information contact with Mr. Tanzeeb Ali on cell # 0334-5000252.

DIRECTOR GENERAL  
HEALTH SERVICES SINDH AT HYDERABAD

Copy forwarded for information:

- The Secretary, Government of Sindh, Health Department Karachi.
- The Program Director, Sindh LHW Program Hyderabad.
- The District Health Officer, Hyderabad / Mirpurkhas Larkana / Naushahro Feroze / Ghotki / Thatta
- Dr. Syed Kamal Asghar, Health Specialist, UNICEF Karachi.
- Dr. Muhammad Tariq, Country Director, Chemonics International, Islamabad.
- Dr. Tanveer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project Karachi.
- Dr. Mumtaz Brohi Coordinator, UNICEF HLMIS Project, Hyderabad.



DIRECTORATE GENERAL HEALTH SERVICES  
SINDH @ HYDERABAD  
Phone # 022-9240106 Fax # 022-9240100  
E-mail: [dghealthsindh@sindhhealth.pk](mailto:dghealthsindh@sindhhealth.pk)

No. DGHSS/ - (PH-Wing-Trg-(58-B))-

494/500

Dated 17-01-2020

To,

Dr. Muhammad Tariq,  
Country Director  
USAID Global Health Supply Chain Program-  
Procurement & Supply Management  
Islamabad.

SUBJECT: - **NOMINATION OF PARTICIPANTS FOR TOT AND DISTRICT STAFF  
TRAINING WORKSHOP ON HLMIS.**

Reference:- Your office letter dated 13-01-2020

In continuation of this office letter No. DGHSS/- (PH-Wing-Trg-(58-B)/  
428/35 dated 15-01-2020, Mr. Toufeeque Noonari, Pharmacist (BPS-17) District Health Office  
Hyderabad is hereby nominated regarding the training on HLMIS. Schedule to be held from  
21-23 January, 2020 at Islamabad.

The Chemonics International will support in logistic arrangements. For any  
further information contact with Mr. Tanzeb Ali on cell # 0334-5000252.

DIRECTOR GENERAL  
HEALTH SERVICES SINDH AT  
HYDERABAD

Copy forwarded for information:

- The Secretary, Government of Sindh, Health Department Karachi.
- The District Health Officer, Hyderabad
- Dr. Syed Kamal Asghar, Health Specialist, UNICEF Karachi.
- Dr. Tanveer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project Karachi.
- Dr. Mumtaz Brohi Coordinator, UNICEF HLMIS Project, Hyderabad.
- Copy to Mr. Toufeeque Noonari, Pharmacist (BPS-17) District Health Office Hyderabad





**O/D PROGRAM DIRECTOR**  
**INTEGRATED REPRODUCTIVE MATERNAL NEWBORN &**  
**CHILD HEALTH & NUTRITION (IRMNCH) PROGRAM,**  
**PUNJAB**  
**5-MONTGOMERY ROAD, LAHORE.**  
Email address: [pc.punjab@gmail.com](mailto:pc.punjab@gmail.com)  
☎ 042- 99200982, 99201098; FAX: 99203394




No. 801 /IRMNCH

Dated Lahore 15 Jan, 2020

### **OFFICE ORDER**

Ms Nadia Kiran, MIS, IRMNCH & Nutrition Program is hereby directed to attend the TOT Workshop on HLMIS – Islamabad (January 21-23, 2020) organized by HLMIS Chemonics International.

  
Program Director  
IRMNCH & N PROGRAM PUNJAB, LAHORE

No. 802-03 /IRMNCH

Dated Lahore 15 Jan, 2020

Copy is forwarded for information and necessary action to:-

1. The Secretary Primary & Secondary Healthcare Department, Govt. of Punjab.
2. The Director General Health services, Punjab Lahore.
3. Dr. Muhammad Tariq, Country Director, Chemonics International.
4. Dr. Amir ud Din Chohan, Punjab Team Lead, HLMIS Project, Chemonics International.
5. Establishment Section, IRMNCH & Nutrition Program.
6. Office Copy.

  
Program Director  
IRMNCH & N PROGRAM PUNJAB, LAHORE



No. MIS (HISDU)1-5/2020  
GOVERNMENT OF THE PUNJAB  
PRIMARY & SECONDARY HEALTHCARE  
DEPARTMENT

Date Lahore, 16<sup>th</sup> January, 2020

To,

The Country Director,  
Chemonics International Inc.  
Islamabad Office, Nust Science and Technology Park (NSTP),  
H12, Islamabad

Subject: **NOMINATION OF PARTICIPANTS FOR ToT WORKSHOPS ON HLMIS-  
ISLAMABAD (JANUARY 21-23, 2020)**

Please refer to your letter on subject cited above dated 13-1-2020, in which you have requested to nominate one participant from HISDU for three days (January 21 to 23, 2020) ToT workshop on HLMIS.

2. Following are hereby nominated as participant for the ToT workshop on HLMIS:

Sr.	Name	Designation	E-Mail	Cell No.
1	Mudassir Mukhtar	Software Developer (HISDU)	mukhtarmudassir@gmail.com	0349-6927320

MANAGER MIS (HISDU)  
Primary & Secondary Healthcare  
Department

CC:

1. PSO to Secretary, Primary & Secondary Healthcare Department
2. PSO to Additional Secretary (Admin/Tech), Primary & Secondary Healthcare Department
3. PA to DGHS, Primary & Secondary Healthcare Department
4. Mr. Rao Alamgir, Director Procurement, DGHS, Primary & Secondary Healthcare Department
5. Mr. Farooq Ahmed, MIS Cell, DGHS, Primary & Secondary Healthcare Department
6. Dr. Hanadi Mostafa, Projected Director UNICEF Country Office, Islamabad
7. PS to MOS, MONHSR&C, Islamabad



Dr. Haroon Jahangir Khan  
Director General Health Services,  
Government of Punjab

January 13, 2020

**Subject: Nomination of Participants for ToT and District Staff training workshops on HLMIS**

Dear Dr. Haroon Jahangir,


Chemonics International Inc. presents its compliments to Department of Health, Government of Punjab and acknowledges your great leadership & support for successful development of MNCH LIMS in selected districts of Punjab.

As the development of HLMIS has been successfully accomplished, the next step is to train the government staff on MNCH LIMS, in this context a three-day ToT workshop has been organized in Islamabad from 21<sup>st</sup> Jan to 23 Jan 2019 to train the group of master trainers on MNCH - LIMS and two-days district staff training workshop organized at Lahore from January 30-31, 2020 to train district staff.

In above context, may I request you to please, nominate five participants from your province for ToT workshop and fifteen participants for district staff training workshop. The selection criteria for ToT participants (Annex-1) and district staff participants (Annex-2) is enclosed along with training plan in Annex-3.

It is requested to please share the nominations of training participants by the end of this week to finally ensure logistic and administrative arrangements.

Thank you for your kind support.

  
Dr. Muhammad Tariq  
Country Director

For further information:

1. Syed Raza Muhammad Usman, Secretary, F&HC, Punjab
2. Mr. Poo, Alamgir, Director Procurement, DGHS, Punjab
3. Mr. Farooq Ahmed, MIS cell, DGHS Punjab
4. Dr. Fouad Moazziz, Project Director, UNICEF Country Office, Islamabad
5. Mr. Umer, MNCHSRSC, Islamabad

1) Farooq Ahmed  
CPD Mr  
2) Mr. Alamgir  
EPS  
3) Mr. Farooq Ahmed  
SK, MSB  
4) Dr. Fouad Moazziz  
5) Mr. Umer  
14/1/20

## ANNEX-43: LIST OF MASTER TRAINERS

List of Participants – ToT January 21-23, 2020 Islamabad				
Sindh				
S. No	Name	Designation	Department	District
1	Dr. Khalid Nawaz	DHO	DGHS	Thatta
2	Dr. Ghulam Murtaza Memon	Epidemiologist/Focal Person DHIS	DGHS	Hyderabad
3	Dr. Ghayasuddin Sanjrani	Assistant Director (RCH)	DGHS	Hyderabad
4	Dr. Aijaz Ali Memon	Medical Officer	DHO Office	Hyderabad
5	Dr. Dilbar Marri	DHIS Coordinator	DHO Office	Mirpur
6	Dr. Wahid Bux Chadhar	Medical Officer	DHO Office	Ghotki
7	Mr. Irfan Pirzada	MIS Coordinator	Sindh LHW Program	Hyderabad
8	Dr. Shahid Hussain Khokhar	Medical Officer	DHO Office	Larkana
9	Dr. Muhammad Baqar Abro	Medical Officer	DHO Office	Nausharo Feroze
10	Mr. Shahnawaz Memon	Computer Operator	DGHS	Hyderabad
11	Mr. Tiufeeque Noonari	Pharmacist	DGHS	Hyderabad
Punjab				
1	Mr. Farooq Ahmed	Program Officer-DHIS Cell	DGHS	Lahore
2	Ms. Nadia Kiran	In Charge MIS	IRMNCH&NP	Lahore
3	Mr. Mudassar Mukhtar	Software Developer	HISDU, P&SHD	Lahore
4	Mr. Mudassar Ahmed	Budget and Accounts Officer	MSD, Punjab	Lahore
5	Faraz Ahmad Shaikh	Statistical Officer	Department of Health	Lahore

## ANNEX-44: AGENDA OF ToT

### Training of Trainers Pakistan Health Logistics Management Information System AGENDA January 21-23, 2020

Day-I: January 21, 2020

Time	Activity	Facilitator
09:00 – 09:15	Registration by Participants	HLMIS Program Team
09:15 – 10:00	Opening Remarks	Dr. Malik Muhammad Safi, Director General, MoNHSR&C
		Dr. Haroon Jahangir, DGHS, Punjab
		Dr Adriana Reitsema, Health Manager, UNICEF
		Dr. Muhammad Tariq, Country Director, Chemonics International Inc.
10:00 – 10:15	Introduction & Objectives	Dr. Farah Naz, HLMIS
10:15 – 10:30	Pre-Test	HLMIS Team
10:30 – 10:45	Module 1 – Introduction to Training of Trainers (TOT) for the web based HLMIS Course (The difference between modules and sessions)	HLMIS Program Team (Kayhan, Anib)
10:45 – 11:30	MNCH Supply Chain	HLMIS Program Team (Kayhan, Anib)
	Basic Logistics Concepts	HLMIS Program Team (Kayhan, Anib)
11:30 – 12:00	Getting Started with HLMIS	HLMIS Program Team (Kayhan, Anib)
12:00 – 13:00	Inventory Management—I	HLMIS MIS Team (Iqra, Azeem)
13:00 – 14:00	<b>Lunch &amp; Prayer Break</b>	
14:00 – 15:00	Hands on practice on Inventory Management—I	HLMIS Team
15:00 – 16:00	Inventory Management—II	HLMIS MIS Team (Iqra, Azeem)
16:00 – 16:45	Hands on practice on Inventory Management—II	HLMIS Team
16:45 – 17:00	Day Close and handing over of study material pertaining to:  1. Module 2 – Introduction to "Can Talks" 2. Module 3: Experiential Learning Cycle (How Adults learn)	HLMIS Program Team (Dr. Farah, Kayhan, Anib)

## Day-II: January 22, 2020

Time	Activity	Facilitator
09:00 – 09:15	Recap Day-I	Ijaz Haider
09:15 – 10:15	Inventory Management—III	HLMIS MIS Team (Iqra, Azeem)
10:15 – 11:15	Hands on practice on Inventory Management—III	HLMIS Team
11:15 – 13:00	Presentations on Inventory Management and home assignment	HLMIS MIS Team (Iqra, Azeem)
13:00 – 14:00	<b>Lunch &amp; Prayer Break</b>	
14:00 – 14:30	Monthly Reporting Forms	HLMIS MIS Team (Iqra, Azeem)
14:30 – 15:45	Consumption Reporting	HLMIS MIS Team (Iqra, Azeem)
15:45 – 16:15	Hands on practice on monthly reporting	HLMIS MIS Team (Iqra, Azeem)
16:15 – 17:00	Dashboards and Analytics	HLMIS MIS Team (Iqra, Azeem)
17:00	<p>Day Close, assign topics for practice sessions and handing over of study material pertaining to:</p> <ol style="list-style-type: none"> <li>1. Module 5: Following a Prepared Curriculum (The ABCs of training with a curriculum)</li> <li>2. Module 4: Traditional Teaching Style versus Adult Learning Theory (ALT) Methods for training adults</li> </ol>	HLMIS Program Team (Kayhan, Anib)

## Day-III: January 23, 2020

Time	Activity	Facilitator
09:00 – 09:15	Recap Day-II	Dr. Farah
09:15 – 10:15	Dashboards and Analytics	HLMIS MIS Team (Iqra, Azeem)
10:15 – 11:15	Reports	HLMIS MIS Team (Iqra, Azeem)
11:15 – 11:45	IM graphs and reports	HLMIS MIS Team (Iqra, Azeem)
11:45 – 12:00	HLMIS Explorer / Troubleshooting & Helpdesk	HLMIS MIS Team (Iqra, Azeem)
12:00 – 12:30	Module 6: ZAPP! As Applied To Training (The art of motivation)	HLMIS Program Team (Kayhan, Anib)

Time	Activity	Facilitator
12:30 – 12:45	Module 8 Norms for Trainer Team (How to work on a training team)	HLMIS Program Team (Kayhan, Anib)
12:45 – 13:05	HLMIS Post Test	HLMIS Team
13:05 – 14:00	<b>Lunch &amp; Prayer Break</b>	
14:00 – 15:30	Practice Presentations by Selected Participants in groups	HLMIS Team
15:30 – 16:00	Certificate distribution	Dr. Muhammad Tariq & Dr. Mubeen Ahmed Memon, DGHS Sindh
16:00 – 16:30	Closing Remarks	Dr. Mubeen Ahmed Memon

## ANNEX-45: PARTICIPANT REGISTRATION FORM

Training on Health Logistics Information System (HLMIS)

Date: \_\_\_\_\_

District: \_\_\_\_\_

Province: \_\_\_\_\_

### Participant Registration Form

Name in Full: \_\_\_\_\_

CNIC NO: \_\_\_\_\_

Designation: \_\_\_\_\_

Department / Organization: \_\_\_\_\_

Employment Status (Please tick the applicable one):

i) Contract Employee

ii) Regular Employee

District and Province: \_\_\_\_\_

Complete Postal Address: \_\_\_\_\_

\_\_\_\_\_

Email Address: \_\_\_\_\_

Contact Numbers:

*Office with Area Code:* \_\_\_\_\_

*Mobile:* \_\_\_\_\_

Name and Designation of Supervisor: \_\_\_\_\_

Signature: \_\_\_\_\_



## ANNEX-46: PRE- AND /POST-TRAINING ASSESSMENT FOR TOT

Health Logistics Management Information System (HLMIS) Training

### Pre- / Post-Training Assessment

Unique Identification Number: \_\_\_\_\_ District: \_\_\_\_\_

Date \_\_\_\_\_

*Note: Please answer all questions.*

1. What are the “Six Rights” of a Logistics System?

- |    |    |    |
|----|----|----|
| 1) | 2) | 3) |
| 4) | 5) | 6) |

2. At what levels of supply chain is stock received, stored, and issued but not consumed?

- a) Provincial store
- b) District / divisional store
- c) Tehsil store
- d) All of above except “c”

3. The District level storekeeper / user can issue stock directly to one of the following:

- a) National store
- b) Provincial store
- c) Health facilities
- d) None of the above

4. The Inventory Management Module of HLMIS prioritizes stock in Batch Management on the basis of which of the following?

- a) FEFO
- b) LIFO
- c) LILO

- d) FIFO
5. Stock can be issued which one of the following?
- a) Stacked
  - b) Running
  - c) Consumed
  - d) Available
6. When it comes to an online system, what do you think of when you hear “dashboards”?
- a) Numbers and figures
  - b) Graphs
  - c) Info-tiles
7. What is the most appropriate use of information collected in HLMIS?
- a) Keep stock record on hard registers and keep information disclosed to your store
  - b) Maintain the data on information system and keep looking dashboards for evidence-based decision making
  - c) Do not keep record of stock dispersed or received
8. What does the term “consumption” mean?
- a) Medicines used to treat patients
  - b) Medicine not used to treat patients from open cartons
  - c) Packed medicines that become unusable
  - d) All of the above options
9. How many previous month/s consumption data an HLMIS user can edit?
- a) 1 month      b) 2 months      c) 3 months      d) 4 months
10. Giving quality feedback may include:
- a) Describe rather than judge
  - b) Involve the individual
  - c) End the conversation without summarizing
  - d) All of the above

- e) Only a and b
- f) Only a and c

True/False

11. The stock received in HLMIS cannot be searched?

- ☐ True
- ☐ False

12. The user can export different reports / search results into excel.

- ☐ True
- ☐ False

13. User can add new products in inventory management module without support from the help-desk?

- ☐ True
- ☐ False

14. The inventory management data shall be entered after the end of reporting month.

- ☐ True
- ☐ False

15. Patient count considered a part of logistics data.

- ☐ True
- ☐ False

16. Preparation of a Monthly Consumption Report is the responsibility of store keeper.

- ☐ True
- ☐ False

17. The Consumption Reporting module of HLMIS automatically calculates the opening balance in the monthly consumption report.

- ☐ True
- ☐ False

18. Data reporting in HLMIS by District Store staff enables provincial and district management to make evidence-based decisions.

☐ True

☐ False

19. The HLMIS system provides data visibility to provincial and district management to view holistic data of public and private supply chain data with a single click.

☐ True

☐ False

20. HLMIS provides support to store staff for demand and supply planning of stock.

☐ True

☐ False

## ANNEX-47: PRE- AND POST- TRAINING ASSESSMENT TEST RESULTS FOR TOT

ToT on HLMIS - Participant's Pre / Post Test Score Percentages						
Training Dates: Jan 21-23				Venue: Islamabad		
Sr. #	Title	Name of Participant	Code	Pre-Test	Post-Test	% Performance
1	Mr.	Faraz Ahmad Shaikh	A1		80%	
2	Mr.	Farooq Ahmad	A2	64%	76%	19%
3	Mr.	Mudassar Ahmad	A3	84%	92%	10%
4	Mr.	Muddasir Mukhtar	A4	56%	80%	43%
5	Ms.	Nadia Kiran	A5	68%	84%	24%
6	Mr.	Wahidbux Chadhar	A6	68%	86%	26%
7	Dr.	Aijaz Ali Memon	A7	68%	80%	18%
8	Dr.	Ghayas Sanjrani	A8	64%	80%	25%
9	Dr.	Ghulam Murtaza	A9		84%	
10	Mr.	Irfan Ahmed Pirzada	A10	52%	80%	54%
11	Mr.	Shahnawaz Memon	A11	48%	68%	42%
12	Mr.	Toufeeque Ahmed Noonari	A12	52%	88%	69%
13	Dr.	Shahid Hussain Khokhar	A13	52%	88%	69%
14	Mr.	Anees-Ur-Rehman Siddiqui	A14	72%	76%	6%
15	Dr.	Dilbar Khan Mari	A15	48%	64%	33%
16	Dr.	Mohammad Baqar Abro	A16	48%	68%	42%
Average				60%	80%	34%

## ANNEX-48: TRAINING EVALUATION FORM

Training of Trainers on  
Health Logistics Management Information System (HLMIS)

### Training Evaluation Form

Date: \_\_\_\_\_ District: \_\_\_\_\_ Province: \_\_\_\_\_

Please indicate your impressions on the below:

	Strongly Agree	Agree	Neither Agree or Disagree	Disagree	Strongly Disagree
1. The training met my expectations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. I will be able to apply the knowledge I learned.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. The training objectives for each topic were shared and followed by the trainers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. The content was organized and easy to follow.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. The materials distributed were pertinent and useful.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. The trainer was knowledgeable about the HLMIS system.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. The quality of instruction was good.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. By the end of each session, I felt that the training objectives and I learned what I was intended to.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Class participation and interaction were encouraged.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Adequate time was provided for each session, and follow-up questions and discussion.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

11. How do you rate the training overall?

Excellent      Good      Average      Poor      Very poor

12. What aspects of the training could be improved?

13. What was most interesting to you? Least interesting?

14. Do you have any other comments to share?

THANK YOU FOR YOUR PARTICIPATION!



## ANNEX-49: Training Evaluation Feedback for ToT

Training of Trainers - Health Logistics Management Information System (HLMIS)-Project						
Participant's Feedback Analysis						
S.No	Remarks	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	The Training met my expectations	7	9			
2	I will be able to apply the knowledge learned	8	7	1		
3	The trainer objectives for each topic were identified and followed.	6	10			
4	The content was organized and easy to follow	8	8			
5	The materials distributed were pertinent and useful	6	10			
6	The trainer was knowledgeable and about HLMIS system	9	7			
7	By the end of the session, I felt that the training objectives and I learned what I was intended to	7	9			
8	Class participation and interaction were encouraged	7	9			
9	Adequate time was provided for each session and follow up questions and discussion	10	6			
	<b>Total</b>	<b>68</b>	<b>69</b>	<b>1</b>		

		Excellent	Good	Average	Poor	Very poor
	How do you rate the training overall?	9	7			

## ANNEX-50: SELECTION CRITERIA FOR DISTRICT STAFF FOR RoT



### Selection Criteria fo participants of District Level Training

- Familiar with inventory management system
- Familiar basic arithmetic Calculations
- Familiar with use Internet and MS office
- Regular staff of Department of Health / Employee of partner organization

## ANNEX-51: NOMINATIONS OF DISTRICT STAFF FOR ROT



251 18th Street S  
Suite 1200  
Arlington, VA 22202

T: 202.555.3300  
F: 202.955.3400  
chemonics.com

**Dr. Muhammad Haroon Jahangir Khan**  
Director General Health Services, Punjab  
Primary & Secondary Health Care Department  
Government of Punjab.

**January 22, 2020**

**Subject: Nomination of Participants for Roll-out Training on HLMIS – Lahore (January 30-31, 2020)**

Dear Dr. Haroon,

Chemonics International Inc. highly appreciates your continued leadership support for strengthening public health supply chain in the Primary & Secondary Healthcare Department, Government of Punjab.

I am pleased to inform that a Training of Trainers workshop on Health Logistics Management Information System has been completed to develop a pool of master trainers in Islamabad from 21–23 Jan 2020. Roll-out training for provincial/district medicine store staff has been organized in Lahore from January 30-31, 2020.

May I request you to please share the nomination of one participant from DGHS medicine store for training and nominate Mr. Farooq Ahmed Program Officer MIS, DGHS as Master Trainer to timely ensure logistics and administrative arrangements.

Looking forward to your kind response.

Sincerely,

**Dr. Muhammad Tariq**  
Country Director

9

Copy for information:

1. Capt. (R) Muhammad Usman, Secretary, PSHD
2. Director MIS, DGHS, Punjab
3. Mr. Farooq Ahmed, Program Officer MIS, DGHS, Punjab
4. Dr. Hanadi Mostafa, Health Specialist, UNICEF
5. Dr. Amir udin Chohan, Team Lead, UNICEF HLMIS Project, Punjab

Islamabad Office, Plot 55-C, 20<sup>th</sup> Floor, Margalla Side, Ufone Tower, Jinnah Avenue, Islamabad, Phone no. +9251-8444 533-36

**Dr. Rana Muhammad Rafique**  
General Manager, MSD Lahore  
Primary & Secondary Healthcare Department,  
Government of Punjab.

**January 22, 2020**

**Subject: Nomination of Participants for Roll-out Training on HLMIS – Lahore (January 30-31, 2020)**

Dear Dr. Rafique,

Chemonics International Inc. highly appreciates your continued leadership support for strengthening public health supply chain in the Primary & Secondary Healthcare Department, Government of Punjab.

I am pleased to inform that a Training of Trainers workshop on Health Logistics Management Information System has been completed to develop a pool of master trainers in Islamabad from 21–23 Jan 2020. Roll-out training of provincial medicine store depot (MSDs) staff has been organized in Lahore from January 30-31, 2020.

May I request you to please share the nomination of training participants from Main Medicine Store Depot (MSD), sub-Medicine Stores and nominate Mr. Mudassar Ahmed OA/Store Incharge as Master Trainer to timely ensure logistics and administrative arrangements.

Looking forward to your kind response.

Sincerely,



**Dr. Muhammad Tariq**  
Country Director

Copy for information:

1. Capt. (R) Muhammad Usman, Secretary, PSHD
2. Mr. Mudassar Ahmed, OA/Store Incharge, MSD Punjab
3. Dr. Hanadi Mostafa, Health Specialist, UNICEF
4. Dr. Amir udin Chohan, Team Lead, UNICEF HLMIS Project, Punjab

**Dr. Mukhtar Hussain Syed**  
Program Director, IRMNCH&N  
Primary & Secondary Healthcare Department,  
Government of Punjab.

**January 22, 2020**

**Subject: Nomination of Participants for Roll-out Training on HLMIS – Lahore (January 30-31, 2020)**

Dear Dr. Mukhtar,

Chemonics International Inc. highly appreciates your continued leadership support for strengthening public health supply chain in the Primary & Secondary Healthcare Department, Government of Punjab.

I am pleased to inform that a Training of Trainers workshop on Health Logistics Management Information System has been completed to develop a pool of master trainers in Islamabad from 21–23 Jan 2020. Roll-out training of provincial and districts IRMNCH&N Program store incharges/store keepers has been organized in Lahore from January 30-31, 2020.

May I request you to please share the nomination of training participants from provincial medicine store and nominate Ms. Nadia Kiran as Master Trainer to timely ensure logistics and administrative arrangements.

Looking forward to your kind response.

Sincerely,



**Dr. Muhammad Tariq**  
Country Director

Copy for information:

1. Capt. (R) Muhammad Usman, Secretary, PSHD
2. Dr. Muhammad Haroon Jahangir Khan, DGHS, Punjab
3. Ms. Nadia Kiran, MIS, IRMNCH&NP, Punjab
4. Dr. Hanadi Mostafa, Health Specialist, UNICEF
5. Dr. Amir udin Chohan, Team Lead, UNICEF HLMIS Project, Punjab

Islamabad Office, Plot 55-C, 20<sup>th</sup> Floor, Margalla Side, Ufone Tower, Jinnah Avenue, Islamabad, Phone no. +9251-8444 533-36

**Mr. Irfan Nawaz Memon**  
CEO, PHFMC Lahore  
Primary & Secondary Healthcare Department,  
Government of Punjab.

**January 22, 2020**

**Subject: Nomination of Participants for Roll-out Training on HLMIS – Lahore (January 30-31, 2020)**

Dear Mr. Irfan,

Chemonics International Inc. highly appreciates your continued leadership support for strengthening public health supply chain in the Primary & Secondary Healthcare Department, Government of Punjab.

I am pleased to inform that a Training of Trainers workshop on Health Logistics Management Information System has been completed to develop a pool of master trainers in Islamabad from 21–23 Jan 2020. Roll-out training of provincial medicine store incharges and district store keepers is to be held from January 30-31, 2020 in Lahore.

May I request you to please share the nomination of training participants from PHFMC provincial medicine store to timely ensure logistics and administrative arrangements.

Looking forward to your kind response.

Sincerely,



**Dr. Muhammad Tariq**  
Country Director

Copy for information:

1. Capt. (R) Muhammad Usman, Secretary, PSHD
2. Dr. Hanadi Mostafa, Health Specialist, UNICEF
3. Dr. Amir udin Chohan, Team Lead, UNICEF HLMIS Project, Punjab



**Dr. Mubeen Ahmed**  
Director General Health Services  
Department of Health,  
Government of Sindh

January 21, 2020

**Subject: Nominations for District Level Staff Training on Health Logistics Management Information System (HLMIS)**

Dear Dr. Mubeen Ahmed,

Chemonics International Inc. present its compliments and thank the department for nominating the master trainers for Training of Trainers (ToT) being held from Jan 21-23, 2020, vide letter No. DGHSS/(PH-Wing-Trg-(58-B))- 428/35, dated Jan 15, 2020.

I am pleased to inform that following the ToT, district staff training is planned to be held at Karachi as per below schedule:

S#	Training Sessions	Dates
1	Session 1	Jan 28-29
2	Session 2	Feb 03-04
3	Session 3	Feb 06-07

May I request the department to please nominate two staff each from 29 districts and four PPP node partners as per the selection criteria (enclosed).

Looking forward to your kind response.

Sincerely,



**Dr. Muhammad Tariq**  
Country Director

Enclosed: Selection Criteria for participants of District Level Trainings

Copy for information:

1. Dr. Zahid Ali Abbasi, Secretary, Department of Health, Government of Sindh
2. Dr. Hanadi Mostafa, Health Specialist, UNICEF
3. Dr. Tanweer Hussain, Team Lead, UNICEF HLMIS Project, Sindh

## **Selection Criteria fo participants of District Level Training**

- **Familiar with inventory management system**
- **Familiar basic arithmetic Calculations**
- **Familiar with use Internet and MS office**
- **Regular staff of Department of Health / Employee of partner organization**



DIRECTORATE GENERAL  
HEALTH SERVICES SINDH HYDERABAD  
Phone No. 022-9240101 Fax No. 022-9040100  
Email: [dghealthsindh@sindhhealth.pk](mailto:dghealthsindh@sindhhealth.pk)

No. DGHSS /PHW-HLMIS/Chemonics/ *S11/26*

Dated: 21<sup>st</sup> January 2020

To,

District Health Officer,  
Karachi East / Karachi Malir / Tando Allahyar / Matiari/ Badin / Jamshoro /  
Sukkur / Ghotki / Kashmore / Jacobabad.

Subject: **TRAINING OF DISTRICT LEVEL SATFF ON, "HEALTH LOGISTIC  
MANAGEMENT INFORMATION SYSTEM (HMLIS).**

Directorate General Health Services Sindh with collaboration of Chemonics International intends to organize the 02 days training workshop for District level staff on, "*Health Logistic Information system (HMLIS)*" on 28-29 January 2020. Venue will be communicated.

You are hereby advised to direct the nominated officers / officials (as per enclosed list) to attend the subjected training as per schedule positively. Out stationed participants will report at the venue in the evening of 27<sup>th</sup> January 2020.

All the logistic arrangements will be provided by the Chemonics. For any query please contact with Mr. Tanzeeb Ali cell # 0334-5000252

  
**Director General**  
**Health Services Sind**

C.C:

- The Secretary to Government of Sindh, Department of Health.
- Dr. Muhammad Tarique, Country Director, Chemonics International, Islamabad.
- Dr. Syed Kamal Asghar, Health Specialist, UNICEF, Karachi.
- Dr. Tanweer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project, Karachi.
- Dr. Mumtaz Brohi, Coordinator, UNICEF HMLIS Project, Hyderabad.

**District Staff Training on HLMIS**  
**List of Participants - Session 1(28-29 Jan 2020)**

Sr. No.	Name	Designation	Organization	Contact	Duty Station	Remarks
<b>DOH (Outstation Participants) Session</b>						
1.	Muhammad Salahudin	Store Incharge	Department of Health, Sindh	0300-8245714	Karachi East	
2.	Moiz Ahmed	Computer Personnel	Department of Health, Sindh	0313-2634938	Karachi East	
3.	Shoaib Ahmed Siddiqui	Store Incharge	Department of Health, Sindh	0312-3343019	Karachi Malir	
4.	Naseer Ahmed	Computer Personnel	Department of Health, Sindh	0333-3407532	Karachi Malir	
5.	Rizwan Arain	Store Keeper	Department of Health, Sindh		Tandu Allahyar	
6.	Fasal Patoli	Data Entry Operator	Department of Health, Sindh		Tandu Allahyar	
7.	Wahid Bux	Store Keeper	Department of Health, Sindh		Jamshoro	
8.	Zeeshan Qureshi	Junior Clerk / Computer Operator	Department of Health, Sindh		Jamshoro	
9.	Fareed Ahmed	Store Keeper	Department of Health, Sindh		Martari	
10.	Bahadur Ali Kaka	Junior Clerk / Computer Operator	Department of Health, Sindh		Martari	
11.	Ali Akbar Abbas	Store Keeper	Department of Health, Sindh		Badin	
12.	Khalil Channa	Data Entry Operator	Department of Health, Sindh		Badin	
13.	Bilal Rafique	Assistant Logistic Officer SLHWP	Department of Health, Sindh		Hyderabad	
14.	Altaf Rapar	Logistic Officer SLHWP	Department of Health, Sindh		Hyderabad	
15.	Miran Shah	Store Keeper	Department of Health, Sindh		Ghotki	
16.	Jamil Ahmed Soomro	Computer Operator	Department of Health, Sindh	0300-3133563	Ghotki	
17.	Muhammad Farooque	Store Keeper	Department of Health, Sindh	0334-2712412	Sukkur	
18.	Abdul Kamran Memon	Computer Operator	Department of Health, Sindh	0346-2911887	Sukkur	
19.	Innayatulh Adani	Store Keeper	Department of Health, Sindh	0302-3103708	Kashmor	
20.	Ashok Kumar	Computer Operator	Department of Health, Sindh	0333-7129370	Kashmor	
21.	Abdul Khaliq Sadhayo	Store Keeper	Department of Health, Sindh	0333-7343622	Jacobabad	
22.	Parvez Ahmed Jamal	Computer Operator	Department of Health, Sindh	0333-1237330	Jacobabad	



DIRECTORATE GENERAL  
HEALTH SERVICES SINDH HYDERABAD  
Phone No. 022-9240101 Fax No. 022-9040100  
Email: [dghealthsindh@sindhhealth.pk](mailto:dghealthsindh@sindhhealth.pk)

No. DGHSS /PHW-HLMIS/Chemonics/

752/66

Dated: 24<sup>th</sup> January 2020

To,

District Health Officer,  
Karachi East / Karachi Malir / Tando Allahyar / Matiari/ Badin / Jamshoro /  
Sukkur / Ghotki / Kashmore / Jacobabad.

Subject: **TRAINING OF DISTRICT LEVEL SATFF ON, "HEALTH LOGISTIC  
MANAGEMENT INFORMATION SYSTEM (HMLIS).**

In continuation of this office letter N.DGHSS/-PHW-HLMIS/Chemonics/511/26, dated: 21<sup>st</sup> January 2020, you are hereby informed that the subjected training workshop will be held at Hotel Avari Tower, Karachi on 28 – 29 January 2020.

Out-stationed participants are directed to report the Hotel in the evening of 27<sup>th</sup> January 2020.

For any query please contact with Mr. Tanzeeb Ali cell # 0334-5000252

  
Director General  
Health Services Sind

C.C:

- The Secretary to Government of Sindh, Department of Health.
- Dr. Muhammad Tarique, Country Director, Chemonics International, Islamabad.
- Dr. Syed Kamal Asghar, Health Specialist, UNICEF, Karachi.
- Dr. Tanweer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project, Karachi.
- Dr. Mumtaz Brohi, Coordinator, UNICEF HMLIS Project, Hyderabad.



DIRECTORATE GENERAL  
HEALTH SERVICES SINDH HYDERABAD  
Phone No. 022-9240101 Fax No. 022-9040100  
Email: [dghealthsindh@sindhhealth.pk](mailto:dghealthsindh@sindhhealth.pk)

No. DGHSS /PHW-HLMIS/Chemonics/

767/74

Dated: 24<sup>th</sup> January 2020

To,

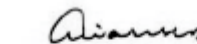
Dr. Ghulam Murtaza Memon,  
Epidemiologist / DHIS Coordinator,  
Directorate General Health Services Sindh.

Mr. Taufeeque Noonari,  
Pharmacist,  
District Health Office, Hyderabad

Subject: **TRAINING OF DISTRICT LEVEL SATFF ON, "HEALTH LOGISTIC  
MANAGEMENT INFORMATION SYSTEM (HMLIS).**

In continuation of this office letter No.DGHSS/-PHW-HLMIS/Chemonics/511/26,  
dated: 21<sup>st</sup> January 2020, you are hereby directed to facilitate the subjected training workshop as  
master trainer to be held on 28 -29 January 2020 at Hotel Avari, Karachi.

All the logistic arrangements will be provided by the Chemonics International. For  
any query please contact with Mr. Tanzeeb Ali cell # 0334-5000252

  
✓ *Director General*  
Health Services Sind

C.C:

- The Secretary to Government of Sindh, Department of Health.
- The District Health Officer, Hyderabad with the advice to relieve the above mentioned officer.
- Dr. Muhammad Tarique, Country Director, Chemonics International, Islamabad.
- Dr. Syed Kamal Asghar, Health Specialist, UNICEF, Karachi.
- Dr. Tanweer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project, Karachi.
- Dr. Mumtaz Brohi, Coordinator, UNICEF HMLIS Project, Hyderabad.





Phone No. 0297920105.

**OFFICE OF THE DISTRICT HEALTH OFFICER**

**BADIN.**

No.DHO/BDN/Account/- 1955 Date 24-01 2020

To,

The Director General  
Health Service Sindh Hyderabad.

Subject:

**TRAINING OF DISTRICT LEVEL STAFF ON "HEALTH LOGISTIC  
MANAGEMENT INFORMATION SYSTEM (HLMIS).**

I have the honor to submit that this office has nominated following official for  
above said training.

S No.	Name Of Participant	Designation	Place of Posting
1.	Mr. Muhammad Hanif Soomro	Store Keeper	DHO Office Badin
2.	Muhammad Hashim Zour	Date Entry Operator	DHO Office Badin

This is for your kind information.

  
DISTRICT HEALTH OFFICER  
BADIN

Ph: 022-9260501 Fax: 022-9260502

E-mail: lhwprogram.sindhhyd@gmail.com

**OFFICE OF THE PROGRAM DIRECTOR**

**SINDH LADY HEALTH WORKERS (LHWS) PROGRAM  
FOR FAMILY PLANNING & PRIMARY HEALTH CARE,  
PROVINCIAL PROGRAM IMPLEMENTATION UNIT, SINDH  
"A" TYPE BUNGALOW ADJACENT SIR C.J INSTITUTE OF PSYCHIATRY HOSPITAL,  
UNIT NO. 03 LATIFABAD, HYDERABAD SINDH.**

No. SLHWP/Estt-Sec/-

1156/68

Dated: 24/01/2020

To,

**The Director General  
Health Services Sindh  
@ Hyderabad**

Subject: **NOMINATION OF PARTICIPANTS FOR THE TRAINING OF  
DISTRICT LEVEL STAFF ON HLMIS.**

Reference: Letter no. DGHSS/- (PHW-HLMIS/ Chemonics / 511/26 dated: 21<sup>st</sup> January 2020.

I have an honor to submit that Mr. Babar Farooqui, Data Entry Operator, SLHWP for FP & PHC, PPIU Sindh @ Hyderabad may kindly be nominated in place of Mr. Altaf Hussain Rajper, Provincial Logistic Officer, SLHWP for FP & PHC, PPIU Sindh @ Hyderabad to attend Two days District Level Training on HLMIS scheduled to be held at Karachi on 28<sup>th</sup> & 29<sup>th</sup> January 2020.

This is for your kind information and necessary action, please.



**Program Director  
Sindh LHWS Program for FP & PHC,  
PPIU Sindh @ Hyderabad**

Dated:

No. SLHWP/Estt-Sec/-

C.C. to:-

- The Secretary (Health) Government of Sindh @ Karachi
- Dr. Syed Kamal Asghar, Health Specialist, UNICEF Sindh Karachi
- Dr. Muhammad Tariq, Country Director, Chemonics International, Islamabad
- Dr. Tanveer Hussain, Supply Chain Team Leader, UNICEF HLMIS Project Karachi
- Dr. Mumtaz Brohi, Coordinator, UNICEF HLMIS Project, Hyderabad.
- Mr. Bilal Khanzada, Assistant Logistic Officer, SLHWP for FP & PHC, PPIU Sindh, with the direction to attend the said training as per schedule.
- Master File

**Program Director  
Sindh LHWS Program for FP & PHC,  
PPIU Sindh @ Hyderabad**

Ph: 022-9260501 Fax: 022-9260502

E-mail: [lhwpprogram.sindhhyd@gmail.com](mailto:lhwpprogram.sindhhyd@gmail.com)

**OFFICE OF THE PROGRAM DIRECTOR**

**SINDH LADY HEALTH WORKERS (LHWS) PROGRAM  
FOR FAMILY PLANNING & PRIMARY HEALTH CARE,  
PROVINCIAL PROGRAM IMPLEMENTATION UNIT, SINDH  
"A" TYPE BUNGALOW ADJACENT SIR C.J INSTITUTE OF PSYCHIATRY HOSPITAL,  
UNIT NO. 03 LATIFABAD, HYDERABAD SINDH.**

No. SLHWP/Estt-Sec/- 1106/08

Dated: 24/01/2020

To,

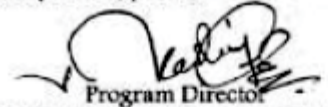
**The Director General  
Health Services Sindh  
@ Hyderabad**

Subject: **NOMINATION OF PARTICIPANTS FOR THE TRAINING OF  
DISTRICT LEVEL STAFF ON HLMIS.**

Reference: Letter no. DGHSS/- (PHW-HLMIS/ Chemonics / 511/26 dated: 21<sup>st</sup> January 2020.

I have an honor to submit that Mr. Babar Farooqui, Data Entry Operator, SLHWP for FP & PHC, PPIU Sindh @ Hyderabad may kindly be nominated in place of Mr. Altaf Hussain Rajper, Provincial Logistic Officer, SLHWP for FP & PHC, PPIU Sindh @ Hyderabad to attend Two days District Level Training on HLMIS scheduled to be held at Karachi on 28<sup>th</sup> & 29<sup>th</sup> January 2020.

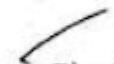
This is for your kind information and necessary action, please.

  
Program Director  
Sindh LHWS Program for FP & PHC,  
PPIU Sindh @ Hyderabad  
Dated:

No. SLHWP/Estt-Sec/-

C.C. to:-

- The Secretary (Health) Government of Sindh @ Karachi
- Dr. Syed Kamal Asghar, Health Specialist, UNICEF Sindh Karachi
- Dr. Muhammad Tariq, Country Director, Chemonics International, Islamabad
- Dr. Tanveer Hussain, Supply Chain Team Leader, UNICEF HLMIS Project Karachi
- Dr. Muntaz Brohi, Coordinator, UNICEF HLMIS Project, Hyderabad.
- Mr. Bilal Khanzada, Assistant Logistic Officer, SLHWP for FP & PHC, PPIU Sindh, with the direction to attend the said training as per schedule.
- Master File

  
Program Director  
Sindh LHWS Program for FP & PHC,  
PPIU Sindh @ Hyderabad





# OFFICE OF THE DISTRICT HEALTH OFFICER

DISTRICT

MATIARI

NO.DHO/MAT/Gen/

Dated 27/01/2020

To

Mr. Syed Shujat Ali  
Account Supervisor / Store Keeper  
Sindh LHW Program, DHO Office Matiari

Mr. Bahadur Ali Kaka  
Senior Clerk / Computer Operator  
DHO Office Matiari

SUBJECT: - **TRAINING OF DISTRICT LEVEL STAFF ON "HEALTH LOGISTIC  
MANAGEMENT INFORMATION SYSTEM" (HMLIS)**

- Reference:** Director General Health Services Sindh Hyderabad office letter No: DGHSS/-PHW-  
HLMIS/Chemonics/-511/26 dated 21.01.2020.  
2. This office letter No: DHO/MAT/Gen/-874/77 dated 23.01.2020.  
3. Telephonic Conversation by ADHO (Admin) of this office with Dr. Mumtaz Brohi,  
Coordinator, UNICEF HMLIS Project, Hyderabad on dated 27.01.2020.

You are hereby directed to attend the subject matter training from  
28<sup>th</sup> - 29<sup>th</sup> January 2020 at Avari Hotel Karachi. Out station participants will report at  
the venue in the evening of 27<sup>th</sup> January 2020. For any query contact with Mr. Tanzeeb  
Ali Cell # 0334-50000252.

(Dr. Ramon Mal Lohano)  
Assistant District Health Officer (Admin)  
For DISTRICT HEALTH OFFICER  
MATIARI

C. c. to:-

1. The Secretary Government of Sindh Health Department Karachi.
2. The Director General Health Services Sindh Hyderabad.
3. Dr. Mumtaz Brohi, Coordinator, UNICEF HMLIS Project, Hyderabad, with the  
request to allow Mr. Syed Shujat Ali to attend the above said training in place of Mr.  
Fareed Ahmed due to his illness.

(Dr. Ramon Mal Lohano)  
Assistant District Health Officer (Admin)  
For DISTRICT HEALTH OFFICER  
MATIARI

C:\E-I & General Section Files\training\Training of District Level Staff 2.doc  
Phone No.022-2760029

Fax No. 022-2760096

Email: dho\_mat@yahoo.com



PHONE NO.071-9310121

OFFICE OF THE DISTRICT HEALTH OFFICE SUKKUR.

NO. DHO/SUK/4141/48 Dated 23-1-2020.

To

The Director General  
Health Services Sindh  
Hyderabad

**SUBJECT:**

**TRAINING OF DISTRICT LEVEL STAFF ON " HEALTH LOGISTIC  
MANAGEMENT INFORMATION SYSTEM (HMLIS).**

**Reference:-**

Your kind office letter No. DGHSS/ (PHW-HLMIS / Chemonics/ 511/26  
dated 21-01-2020, on the subject cited above.

I have the honour to submit that the following staff of this office are  
hereby nominated to attend the Collaboration of Chemonics International intends to organize  
the 02 days training workshop for District level staff on "Health Logistic Management  
Information System (HMLIS) on 28<sup>th</sup> -29<sup>th</sup> January 2020.

1. Mr. Muhammad Kamran, Projectionist/ Computer Operator, DHO Office Sukkur in place  
of Mr. Addul Karim Memon, Computer Operator, DHO Office Sukkur.
2. Mr. Waseemullah, Dispenser, DHO Office Sukkur, in place of Mr. Muhammad Farooque  
Dispenser, DHO office Sukkur.

Further they are directed to report for duty on 27<sup>th</sup> January 2020 and  
venue will be communicated when decided by concerned quarter.

**DISTRICT HEALTH OFFICER  
SUKKUR**

**Copy submitted for favour of information to:-**

1. The Secretary Government of Sindh Health Department Karachi.
2. Dr. Muhammad Tarique, Country Director, Chemonics International Islamabad.
3. Dr. Syed Kamal Asghar, Health Specialist, UNICEF, Karachi.
4. Dr. Tanweer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project, Karachi.
5. Dr. Mumtaz Brohi, Coordinator, UNICEF HMLIS Project, Hyderabad.

**Copy forwarded for information and compliance.**

1. Mr. Muhammad Kamran, Projectionist/ Computer Operator, DHO Office Sukkur.
- ✓ 2. Mr. Waseemullah Dispenser DHO Office Sukkur.

**DISTRICT HEALTH OFFICER  
SUKKUR**



**OFFICE OF THE  
DISTRICT HEALTH OFFICER DADU**

PHONE: #: 025-9200086-87, Fax: #: 025-9200089  
(E-mail: dhodadu@gmail.com)

NO: DHOD/:(Trg/File)  
To,

1875/79

Dated: 28/01/2020

**Mr. Allah Dino Soomro**  
Computer Operator  
@ DHO Office Dadu

**Mr. Asif Ali Jamali**  
Store Keeper/MNCH  
@DHO Office Dadu

**SUBJECT: - TRAINING OF DISTRICT LEVEL STAFF ON "HEALTH LOGISTIC  
MANAGEMENT INFORMATION SYSTEM (HLMIS)"**

**Reference:** Letter NO: DGHSS/PHW-HLMIS/Chemonics/852/67 Dated 27<sup>th</sup>  
January 2020, received from Director General, Health Services  
Sindh Hyderabad

It is to inform that you have nominated for training of District level  
staff on "**Health Logistic Management information system (HLMIS)**" as per  
below schedule.

**Date:** 3-4 February 2020  
**Venue:** @ Hotel Avari Tower Karachi

You are directed to report on 2<sup>nd</sup> February 2020 in the evening at  
Hotel Avari Tower Karachi for attend the above said training on date, & venue  
positively.

**Note:** For any query to contact Mr. Tanzeeb Ali Cell No.0334-5000252

**DISTRICT HEALTH OFFICER  
DADU**

**Copy submitted/FWCs for information to**

1. The Secretary Government of Sindh, Health Department Karachi
2. The Director General, Health Services Sindh, Hyderabad
3. The Deputy Commissioner, Dadu

**DISTRICT HEALTH OFFICER  
DADU**



Scanned with  
CamScanner





Government of Sindh  
OFFICE OF THE DISTRICT HEALTH OFFICER  
District Kamber Shahdad Kot @ kamber  
Email: odohrskk@gmail.com

074-9411090  
074-9411090

NO: DHO/KSK /- 1221 /28

DATED: 30.01.2020

To,

Mr Asadullah Hakro, Data Entry Operator,  
DHO Office Kamber-Shahdadkot.

Mr Abdul Hakeem Chandio, Store Keeper,  
DHO Office Kamber-Shahdadkot.

SUBJECT: TRAINING OF DISTRICT LEVEL SATFF ON, "HEALTH LOGISTIC MANAGEMENT INFORMATION SYSTEM (HLMIS).

Reference: NO. DGHSS/- (PHW-HLMIS/Chemonics 852 / 67 dated 27<sup>th</sup> January 2020.

You are hereby directed to attend the above said training, on 03<sup>rd</sup> February 2020 to 04<sup>th</sup> February 2020 at Hotel Avari Tower Karachi.

Participant should report in the evening of 02<sup>nd</sup> February 2020 at Hotel Avari Tower Karachi.

//  
DISTRICT HEALTH OFFICER  
KAMBER-SHAHDADKOT  
@ KAMBER

Ccto.

- The Secretary, Health Department Government of Sindh Karachi.
- The Director General Health Services Sindh, Hyderabad.
- Dr. Muhammad Tarique, Country Director, Chemonics International, Islamabad.
- Dr. Syed Kamal Asghar, Health Specialist, UNICEF, Karachi.
- Dr. Tanweer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project, Karachi
- Dr. Mumtaz Brohi, Coordinator, UNICEF HLMIS Project, Hyderabad.
- Master file

//  
DISTRICT HEALTH OFFICER  
KAMBER-SHAHDADKOT  
@ KAMBER



**OFFICE OF THE**  
**DISTRICT HEALTH OFFICER DADU**  
PHONE #: 025-9200084-87, Fax #: 025-9200089  
(E-mail: dhodadu@gmail.com)

NO: DHOD/:(Trg/File)  
To,

Dated: 29/01/2020

1819/17  
**Mr. Asif Ali Jamali**  
Computer Operator  
@ DHO Office Dadu

✓ **Mr. Asadullah Naich**  
Store Keeper  
@DHO Office Dadu

**SUBJECT: - TRAINING OF DISTRICT LEVEL STAFF ON "HEALTH LOGISTIC MANAGEMENT INFORMATION SYSTEM (HLMIS)"**


**Reference:** Letter NO: DGHSS/PHW-HLMIS/Chemonics/852/67 Dated 27<sup>th</sup> January 2020, received from Director General, Health Services Sindh Hyderabad

In partial modification of this office letter NO: DHOD/:(Trg/File) 1875/79 Dated 28.01.2020, It is to inform that you have nominated for training of District level staff on "Health Logistic Management information system (HLMIS)" as per below schedule.

**Date:** 3-4 February 2020  
**Venue:** @ Hotel Avari Tower Karachi

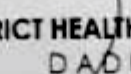
You are directed to report on 2<sup>nd</sup> February 2020 in the evening at Hotel Avari Tower Karachi for attend the above said training on date, & venue positively.

**Note:** For any query to contact Mr. Tanzeeb Ali Cell No. 0334-5000252

  
**DISTRICT HEALTH OFFICER**  
**DADU**

**Copy submitted/FWCs for information to**

1. The Secretary Government of Sindh, Health Department Karachi
2. The Director General, Health Services Sindh, Hyderabad
3. The Deputy Commissioner, Dadu
4. Copy to Mr. Allah Dino Soomro,

  
**DISTRICT HEALTH OFFICER**  
**DADU**



NO.DGHSS/PHW-HLMIS/906/14  
Chemonics/  
DIRECTORATE GENERAL  
HEALTH SERVICES SINDH  
Hyderabad Dated: 29-Jan-2020  
email: dghealthsindh@sindhhealth.gov.pk

To,

Dr. Aijaz Ali Memon,  
DHIS Coordinator,  
District Health Office, Hyderabad.

Dr. Dilbar Mari,  
Epidemiologist,  
District Health Office, Mirpurkhas.

SUBJECT: **TRAINING OF DISTRICT LEVEL STAFF ON "HEALTH LOGISTIC  
MANAGEMENT INFORMATION SYSTEM" (HLMIS)**

In continuation of this office letter No. DGHSS/PHW-HLMIS/  
Chemonics/ 852/67 dated: 27<sup>th</sup> January 2020, you are hereby directed to  
facilitate the subjected training workshop as master trainer to be held on  
**3 - 4 February 2020 at Hotel Avari, Karachi.**

All the logistic arrangements will be provided by the Chemonics  
International. For any query please contact with Mr. Tanzeb Ali  
Cell # 0334-5000252.

  
**DIRECTOR GENERAL  
HEALTH SERVICES SINDH @ HYDERABAD**

Copy forwarded for information:-

- The Secretary, Government of Sindh, Health Department, Karachi.
- The District Health Officers, Hyderabad, Mirpurkhas with the advised to relieve the above mentioned officer.
- Dr. Muhammad Tarique, Country Director, Chemonics International, Islamabad.
- Dr. Syed Kamal Asghar, Health Specialist, UNICEF, Karachi.
- Dr. Tanweer Hussain, Supply Chain Team Leader, UNICEF HLMIS Project, Karachi.
- Dr. Mumtaz Brohi, Coordinator, UNICEF HLMIS Project, Hyderabad.

D:\hlmis\2-12\Phw\402\Phw\Hlmis\2020\2020-01

PHONE NO: 9200740

OFFICE OF THE DISTRICT HEALTH OFFICER HYDERABAD,

NO: DHO/HYD/DHIS/- 1964/69

DATED: - 31 - 01 - 2020.

To,

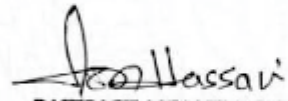
✓ The Director General,  
Health Services Sindh,  
Hyderabad.

SUBJECT:

TRAINING OF DISTRICT LEVEL STAFF ON, "HEALTH LOGISTIC  
MANAGEMENT INFORMATION SYSTEM (HMLIS).


A photocopy of letter NO: DGHSS/PHW-HLMIS/Chemonics/  
852/67 Dated: 27-01-2020, received from Directorate General Health Services Sindh  
Hyderabad, on the subject & reference cited above.

Further Mr. Muhammad Waqas, working as Computer Operator  
of this office is hereby nominated for the subjected training in place of Mr. Mohan,  
O.T Assistant due to some domestic problem.

  
DISTRICT HEALTH OFFICER  
HYDERABAD.

Copy forwarded for information to: -

1. The Secretary Government of Sindh Health Department Karachi.
2. Mr. Muhammad Tarique, Country Director, Chemonics International, Islamabad.
3. Dr. Syed Kamal Asghar, Health Specialist, UNICEF Karachi.
4. Dr. Tanweer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project Karachi.
5. Dr. Mumtaz Brohi, Coordinator, UNICEF HMLIS Project Hyderabad.

  
DISTRICT HEALTH OFFICER  
HYDERABAD.



PHONE NO: 9200740

OFFICE OF THE DISTRICT HEALTH OFFICER HYDERABAD,  
NO: DHO/HYD/DHIS/- 1951/57

DATED: - 31 - 01 - 2020.

To,

Mr. Muhammad Waqas,  
Computer Operator,  
DHO Office Hyderabad.

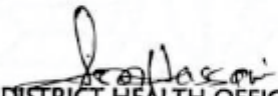
Mr. Jawad,  
Store Keeper,  
DHO Office Hyderabad.

SUBJECT:

TRAINING OF DISTRICT LEVEL STAFF ON, "HEALTH LOGISTIC  
MANAGEMENT INFORMATION SYSTEM (HMLIS).


A photocopy of letter NO: DGHSS/PHW-HLMIS/Chemonics/  
852/67 Dated: 27-01-2020, received from Directorate General Health Services Sindh  
Hyderabad, on the subject & reference cited above.

As you have been nominated for the above subjected training, you  
are hereby relieved & directed to attend the same w.e.f 3<sup>rd</sup> February-2020 to  
4<sup>th</sup> February-2020 at Hotel Avari Tower Karachi under intimation to all concerned.

  
DISTRICT HEALTH OFFICER  
HYDERABAD.

Copy forwarded for information to: -

1. The Secretary Government of Sindh Health Department Karachi.
2. The Director General Health Services Sindh Hyderabad w/r to your office letter NO:  
quoted above.
3. Mr. Muhammad Tarique, Country Director, Chemonics International, Islamabad.
4. Dr. Syed Kamal Asghar, Health Specialist, UNICEF Karachi.
5. Dr. Tanweer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project Karachi.
6. Dr. Mumtaz Brohi, Coordinator, UNICEF HMLIS Project Hyderabad.

  
DISTRICT HEALTH OFFICER  
HYDERABAD.

To,

The Director General,  
Health Services Sindh,  
Hyderabad.


**SUBJECT:-** TRAINING OF DISTRICT LEVEL STAFF ON HEALTH LOGISTIC MANAGEMENT INFORMATION SYSTEM (HLMIS).  
**REFERENCE:-** Your office letter NO:DHQSS/PHW-HLMIS/Chemonie/- 852/67, Dated 27.01.2020.

In continuation to this office letter NO:DHQ/SHIP/- 1053/56, dated 29.01.2020, it is submitted that this office has nominated Mr. Muhammad Zahid Soomro Computer Operator of this office for the above subject training which is scheduled on 3-4<sup>th</sup> February 2020 as his mother has been expired today on 31.01.2020, and he is unable to attend the said training.

Hence Mr. Rasikh Qadeer Bhutto Junior Clerk working in this office is hereby nominated for the above training. It is therefore requested that he may kindly be allowed to attend the training on specified date and venue.

  
DISTRICT HEALTH OFFICER  
SHIKARPUR.

- Copy submitted with compliments to the Secretary Government of Sindh Health Department Karachi
- Copy to Mr. Rasikh Qadeer Bhutto Junior Clerk of this office for information, he is directed to report in the evening of 2<sup>nd</sup> February 2020 at Hotel Avari Tower Karachi positively.

  
DISTRICT HEALTH OFFICER  
SHIKARPUR.





DIRECTORATE GENERAL  
HEALTH SERVICES SINDH HYDERABAD  
Phone No. 022-9240101 Fax No. 022-9040100  
Email: [dghealthsindh@sindhhealth.pk](mailto:dghealthsindh@sindhhealth.pk)

No. DGHSS /PIIW-IILMIS/Chemonics/

1037/42

Dated: 31<sup>st</sup> January 2020

To,

Chief Executive Officer,  
PPHI.

Subject:

**TRAINING OF DISTRICT LEVEL STAFF ON, "HEALTH LOGISTIC  
MANAGEMENT INFORMATION SYSTEM (HMLIS).**

Directorate General Health Services Sindh with collaboration of Chemonics International intends to organize the 02 days training workshop for District level staff on, "*Health Logistic Information system (HMLIS)*" on 6-7 February 2020 at Hotel Avari Tower Karachi.

You are hereby advised to nominate 02 responsible person from Warehouse Manager / Data Entry operator to attend the subjected training as per schedule positively.

For any query please contact with Mr. Tanzeeb Ali cell # 0334-5000252

**Director General  
Health Services Sindh**

C.C:

- The Secretary to Government of Sindh, Department of Health.
- Dr. Muhammad Tarique, Country Director, Chemonics International, Islamabad.
- Dr. Syed Kamal Asghar, Health Specialist, UNICEF, Karachi.
- Dr. Tanweer Hussain, Supply Chain Team Lead, UNICEF ILMIS Project, Karachi.
- Dr. Muntaz Brohi, Coordinator, UNICEF HMLIS Project, Hyderabad.



DIRECTORATE GENERAL  
HEALTH SERVICES SINDH HYDERABAD  
Phone No. 022-9240101 Fax No. 022-9040100  
Email: [dghealthsindh@sindhhealth.pk](mailto:dghealthsindh@sindhhealth.pk)

No. DGHSS /PHIW-IILMIS/Chemonics/

1043/48

Dated: 31<sup>st</sup> January 2020

To,

Provincial Manager,  
MERF.

Subject:

**TRAINING OF DISTRICT LEVEL SATFF ON, "HEALTH LOGISTIC  
MANAGEMENT INFORMATION SYSTEM (HMLIS).**

Directorate General Health Services Sindh with collaboration of Chemonics International intends to organize the 02 days training workshop for District level staff on, "*Health Logistic Information system (HMLIS)*" on 6-7 February 2020 at Hotel Avari Tower Karachi.

You are hereby advised to nominated 02 responsible person from Warehouse Manager / Data Entry operator to attend the subjected training as per schedule positively.

For any query please contact with Mr. Tanzeeb Ali cell # 0334-5000252

**Director General  
Health Services Sind**

C.C:

- The Secretary to Government of Sindh, Department of Health.
- Dr. Muhammad Tarique, Country Director, Chemonics International, Islamabad.
- Dr. Syed Kamal Asghar, Health Specialist, UNICEF, Karachi.
- Dr. Tanweer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project, Karachi.
- Dr. Mumtaz Brohi, Coordinator, UNICEF IIMLIS Project, Hyderabad.



DIRECTORATE GENERAL  
HEALTH SERVICES SINDH HYDERABAD  
Phone No. 022-9240101 Fax No. 022-9040100  
Email: [dghealthsindh@sindhhealth.pk](mailto:dghealthsindh@sindhhealth.pk)

No. DGHSS /PHW-HLMIS/Chemonics/

1027/50

Dated: 31<sup>st</sup> January 2020

To,

Provincial Manager,  
L.H.S.

Subject:

**TRAINING OF DISTRICT LEVEL STAFF ON, "HEALTH LOGISTIC  
MANAGEMENT INFORMATION SYSTEM (HMLIS).**

Directorate General Health Services Sindh with collaboration of Chemonics International intends to organize the 02 days training workshop for District level staff on, "*Health Logistic Information system (HMLIS)*" on 6-7 February 2020 at Hotel Avari Tower Karachi.

You are hereby advised to nominated 02 responsible person from Warehouse Manager / Data Entry operator to attend the subjected training as per schedule positively.

For any query please contact with Mr. Tanzeeb Ali cell # 0334-5000252

  
**Director General  
Health Services Sind**

C.C:

- The Secretary to Government of Sindh, Department of Health.
- Dr. Muhammad Tarique, Country Director, Chemonics International, Islamabad.
- Dr. Syed Kamal Asghar, Health Specialist, UNICEF, Karachi.
- Dr. Tanweer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project, Karachi.
- Dr. Mumtaz Brohi, Coordinator, UNICEF HMLIS Project, Hyderabad.



DIRECTORATE GENERAL  
HEALTH SERVICES SINDH HYDERABAD  
Phone No. 022-9240101 Fax No. 022-9040100  
Email: [dghealthsindh@sindhhealth.pk](mailto:dghealthsindh@sindhhealth.pk)

No. DGHSS /PHW-HLMIS/Chemonics/

1031/36

Dated: 31<sup>st</sup> January 2020

To,

Chief Executive Officer,  
HANDS.

Subject:

**TRAINING OF DISTRICT LEVEL STAFF ON, "HEALTH LOGISTIC  
MANAGEMENT INFORMATION SYSTEM (HMLIS).**

Directorate General Health Services Sindh with collaboration of Chemonics International intends to organize the 02 days training workshop for District level staff on, "*Health Logistic Information system (HMLIS)*" on 6-7 February 2020 at Hotel Avari Tower Karachi.

You are hereby advised to nominate 02 responsible person from Warehouse Manager / Data Entry operator to attend the subjected training as per schedule positively.

For any query please contact with Mr. Tanzeeb Ali cell # 0334-5000252

  
**Director General  
Health Services Sindh**

C.C:

- The Secretary to Government of Sindh, Department of Health.
- Dr. Muhammad Tarique, Country Director, Chemonics International, Islamabad.
- Dr. Syed Kamal Asghar, Health Specialist, UNICEF, Karachi.
- Dr. Tanweer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project, Karachi.
- Dr. Muntaz Brohi, Coordinator, UNICEF HMLIS Project, Hyderabad.



Phone /Fax (0235)920254

**OFFICE OF THE DISTRICT HEALTH OFFICER SANGHAR.**

NO. DHOS/- 1336/38

Dated the 03-02-2020

To,

✓ The Director General,  
Health Services Sindh,  
Hyderabad.

SUBJECT:-

**TRAINING OF DISTRICT LEVEL STAFF ON HEALTH LOGISTIC  
MANAGEMENT INFORMATION SYSTEM (HMLIS).**

Reference:

Letter No. DGHSS/PHW-HMLIS/Chemonics/- 839/51 Dated the 27<sup>th</sup>  
January 2020. Received from your Directorate on the subject noted  
above.

2 days training workshop for District level staff on "HEALTH  
LOGISTIC MANAGEMENT INFORMATION SYSTEM (HMLIS)" on 6-7 February 2020 at  
Hotel Awari Tower Karachi. Hence,. The following officials working at DHO Office  
Sanghar are hereby nominated for above said training.

1. Mr. Syed Iqrar Hussain Shah, **Store Keeper**,  
DHO Office Sanghar
2. Mr. Javed Iqbal Arain, **Computer Operator**  
DHO Office Sanghar.

They are directed to attend the subject training as per schedule date  
and time positively. Out station participants will report at the venue in the evening of 5<sup>th</sup>  
February 2020. All the logistics arrangements will be provided by the Chemonics.

  
**DISTRICT HEALTH OFFICER  
SANGHAR**

C.C to :-

1. The Secretary to Government of Sindh Health Department Karachi.



NO.DGHSS/PHW-HLMIS/PHW/  
Chemonics/1078/83  
DIRECTORATE GENERAL  
HEALTH SERVICES SINDH  
Hyderabad Dated: 31-Jan-2020  
email: dghealthsindh@sindhhealth.gov.pk

To,

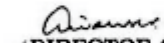
Mr. Tofique Noonari,  
Pharmacist,  
District Health Office, Hyderabad.

Mr. Shahnawaz Memon,  
I.T Incharge/ Computer Operator,  
Directorate General Health Services Sindh.

SUBJECT: **TRAINING OF DISTRICT LEVEL STAFF ON "HEALTH LOGISTIC  
MANAGEMENT INFORMATION SYSTEM" (HLMIS)**

In continuation of this office letter No. DGHSS/PHW-HLMIS/  
Chemonics/ 839/51 dated: 27<sup>th</sup> January 2020, you are hereby directed to  
facilitate the subjected training workshop as master trainer to be held on  
**6 - 7 February 2020 at Hotel Avari, Karachi.**

All the logistic arrangements will be provided by the Chemonics  
International. For any query please contact with Mr. Tanzeb Ali  
Cell # 0334-5000252.

  
✓ **DIRECTOR GENERAL**  
**HEALTH SERVICES SINDH @ HYDERABAD**

Copy forwarded for information:-

- The Secretary, Government of Sindh, Health Department, Karachi.
- The District Health Officers, Hyderabad, Mirpurkhas with the advised to relieve the above mentioned officer.
- Dr. Muhammad Tarique, Country Director, Chemonics International, Islamabad.
- Dr. Syed Kamal Asghar, Health Specialist, UNICEF, Karachi.
- Dr. Tanweer Hussain, Supply Chain Team Leader, UNICEF HLMIS Project, Karachi.
- Dr. Mumtaz Brohi, Coordinator, UNICEF HLMIS Project, Hyderabad.

Shahnawaz/012/1000000/Office letters 1013.doc



**OFFICE OF THE  
CHIEF EXECUTIVE OFFICER  
DISTRICT HEALTH AUTHORITY  
BAHAWALNAGAR**

**OFFICE ORDER**

Reference letter No 28-32 PJA/HQ Dated Lahore the 15<sup>th</sup> Jan 2020 from O/O the Director Health Services (HQ) Directorate General Health Services Punjab Lahore on Subject "Nomination of District Staff Training workshop on Health Logistics Management Information System (HLMIS)"

Following Officials are hereby Nominated for above said Training workshop from 30<sup>th</sup> January to 31<sup>st</sup> January 2020 at Lahore.

1. Mr. Khurshed Mahmood Zafar Store Keeper IRMNCH & N Program Bahawalnagar.
2. Mr. Badar Munir Computer Operator Medicine Store DHO Office (DHA) Bahawalnagar
3. Mr. Hammad Ashraf Computer Operator IRMNCH & N Program Bahawalnagar.

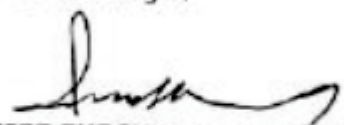
**SD/-  
CHIEF EXECUTIVE OFFICER  
DISTRICT HEALTH AUTHORITY  
BAHAWALNAGAR**

No: 2567-75 / CEO-DHA

Dated 20-01-2020 / 2020.

**Copy forwarded for information to:-**

1. The Directorate General Health Services Punjab.
2. The Program Director IRMNCH & Nutrition Program Punjab, Lahore.
3. Dr. Muhammad Tariq, Country Director USAID GHS PSM.
4. Dr. Ameer Uddin Chohan, Chemonics International.
5. The District Health Officer (PS) Bahawalnagar.
6. The District Coordinator IRMNCH & NP Bahawalnagar.
7. Officials Concerned.

  
**CHIEF EXECUTIVE OFFICER  
DISTRICT HEALTH AUTHORITY  
BAHAWALNAGAR**



OFFICE OF THE CHIEF EXECUTIVE OFFICER  
DISTRICT HEALTH AUTHORITY  
RAHIM YAR KHAN  
Phone# 068-9230114, Fax # 068-9230344  
Email: [edo.health.ryk@gmail.com](mailto:edo.health.ryk@gmail.com)

## **ORDER.**

Reference Director Health Services (HQ), Directorate General Health Services, Punjab, Lahore letter No. 28-32/P.A/HQ, dated 15.01.2020, regarding nomination of District Staff Training Workshop on Health Logistics Management Information System (HLIMS) scheduled to be held on 30-31 January 2020 at Lahore. Therefore the followings officials are hereby nominated for above said Training workshop from 30<sup>th</sup> January to 31<sup>st</sup> January 2020 at Lahore.

- i. Mr. Aqib Toqer, Dispenser, Flying Squad Zahirpeer, Tehsil Khanpur / District Store Keeper O/o CEO(DHA) Rahim Yar Khan.
- ii. Mr. Imran Nasir, Accounts Supervisor O/o DC IRMNCH, R.Y.Khan / District Store Keeper IRMNCH & Nutrition Program, Rahim Yar Khan.
- iii. Mr. Zubair Ahmad, District Store Keeper, PHFMC, Rahim Yar Khan

They are directed to attend the training workshop on HLIMS on fixed date time & venue positively.

-Sd/-  
Chief Executive Officer  
District Health Authority  
Rahimyarkhan

No. C.E.O (DHA)/ 1957-66 /Admn, dated R.Y.Khan the 21-01- /2020.

Copy forwarded for information to:-

1. The Director General Health Services, Punjab Lahore.
2. Dr. Muhammad Tariq, Country Director, USAID GHSC PSM.
3. Dr. Ameer uddin Chohan, Cheminics International.
4. The District Accounts Officer, Rahim Yar Khan.
5. The District Health Officer (PS), DHA, R.Y.Khan.
6. The Program Director IRMNCH & Nutrition Program, Punjab, Lahore.
7. The District Manager PHFMC, Rahim yar Khan.
8. Mr. Aqib Toqer, Dispenser, Flying Squad Zahirpeer, Tehsil Khanpur / District Store Keeper O/o CEO(DHA) Rahim Yar Khan.
9. Mr. Imran Nasir, Accounts Supervisor O/o DC IRMNCH, R.Y.Khan / District Store Keeper IRMNCH & Nutrition Program, Rahim Yar Khan.
10. Mr. Zubair Ahmad, District Store Keeper, PHFMC, Rahim Yar Khan. Mr. Aqib Toqer, Dispenser concerned.

Chief Executive Officer  
District Health Authority  
Rahimyarkhan

21/01/2020



**Department of Health  
Chief Executive Officer, District Health Authority,  
Dera Ghazi Khan**



Tel: 064-9260218 Fax: 064-9260219 Email: cdohealth.dgkhan@yahoo.com

**ORDER:**

Refer to letter No.28-32/HQ dated 15-01-2020 received from the Director General Health Service (HQ), Punjab, Lahore on the subject "**Nomination of District Staff Training workshop on Health Logistics Management Information System(HLMIS)**"

The following Officials are hereby nominated for above said training workshop from 30<sup>th</sup> January to 31<sup>th</sup> January 2020 at Lahore.

1. Mr Asad Nadeem, Accountant, (DHA) DGKhan
2. Mr Ameer Taimoor Faizi, Store Keeper IRMNCH Program DGKhan
3. Mr Ansar Abbass, Accountant IRMNCH Program D.G Khan
4. Mr Sohail Ahmad, Store Keeper PHFMC DGKhan

**SD/-  
CHIEF EXECUTIVE OFFICER  
(DHA) DERA GHAZI KHAN**

**No. /IRMNCH, Dated D.G. Khan the /2020**

Copy forwarded for information to: -

1. The Director General Health Services Punjab Lahore.
2. The Program Director, IRMNCH & Nutrition Program Punjab, Lahore
3. Dr Muhammad Tariq, Country Director USAID, Lahore
4. Dr. Ameer Uddin Chohan, Chemonics, International
5. The District Accounts Officer D.G. Khan
6. The District Coordinator IRMNCH & Nutrition Program D.G. Khan
7. The District Manager, PHFMC DGKhan
8. Official concerned.

**CHIEF EXECUTIVE OFFICER  
(DHA) DERA GHAZI KHAN**





OFFICE OF THE DISTRICT COORDINATOR  
IRMNCH PROGRAM, MUZAFFARGARH  
MNCH CELL OFFICE OF CEO (DHA) M.GARH  
☎ : 066-9200236, 066-9200239, Fax: 066-9200236  
E-mail: mnch.muzaffargarh@gmail.com



**OFFICE ORDER**

Reference to the letter No. 28-32 P.A/HQ dated Lahore the 15<sup>th</sup> January 2020 from the office of the Director Health Services (HQ) Director General Health Services Punjab Lahore on the subject "Nomination of District Staff training workshop on Health Logistic Management Information System (HLMIS)".

Following officials are hereby nominated for above said training workshop from 30<sup>th</sup> January to 31<sup>st</sup> January 2020 at Lahore.

1. Jam Manzoor ul Haq, Medicine store keeper DHA Muzaffargarh
2. Jam Abid Hussain, Accounts Supervisor/ Store keeper of IRMNCH & N program Store
3. Munawar Javed Store keeper of IRMNCH & N Program
4. Narjis Batool, SHINS/LMIS Operator District Store Muzaffargarh

Sd/-

Chief Executive Officer  
(DHA) Muzaffargarh

No. 2593-99 /IRMNCH

Dated: 21-01 /2020

Copy forwarded for information to the:-

1. Director General Health Services Punjab Lahore
2. Program Director IRMNCH & N Program Punjab Lahore
3. Dr. M. Tariq Country Director USAID GHIS PSM
4. Dr. Ameer ud Din Chohan, Chemonics International
5. District Health Officer (PS/HRM&MIS) DHA Muzaffargarh
6. District Coordinator IRMNHC & N Program Muzaffargarh
7. Officers / Officials concerned



Scanned with  
CamScanner

Chief Executive Officer  
(DHA) Muzaffargarh



Ph.No: 0457-921122

E-mail: edohealth.pakpattan@punjab.gov.pk

No. 1837 /CEO/DHA/PPN

**OFFICE OF THE  
CHIEF EXECUTIVE OFFICER  
DISTRICT HEALTH AUTHORITY  
PAKPATTAN.**


Dated Pakpattan the 25<sup>th</sup> /01/2020.

**ORDER.**

Reference Directorate Health Services (HQ), Directorate General Health Services Punjab, Lahore letter No. 28-32/P.A/HQ dated 15<sup>th</sup> January, 2020.

The following Storekeeper of District Pakpattan are hereby directed to attend two days training workshop on Health Logistics Management Information System (HLMIS/WMS) on 30-31 January, 2020 at Lahore.

1. Mr. Ahmad Yar, Storekeeper O/o CEO (DHA), Pakpattan.
2. Mr. Farooq Ahmad, DEO/Storekeeper, IRMNCH Program.
3. Mr. Abid Ali, Storekeeper PHFMC, Pakpattan.

  
**CHIEF EXECUTIVE OFFICER  
DISTRICT HEALTH AUTHORITY  
PAKPATTAN**

CC: -

1. The Secretary, Govt. of the Punjab, Primary & Secondary Healthcare Department, Lahore.
2. The Director General Health Services, Punjab, Lahore.
3. The Director Health Services (HQ) O/o DGHS Punjab, Lahore.
4. The District Health Officer, Preventive Services, DHA Pakpattan.
5. The District Manager, PHFMC, Pakpattan.
6. The District Coordinator, IRMNCH & Nutrition Program, Pakpattan.
7. Storekeepers concerned.



Scanned with  
CamScanner



No. MSD: **2233**  
**GOVERNMENT MEDICAL STORE DEPOT**  
**PRIMARY AND SECONDARY**  
**HEALTHCARE DEPARTMENT**

Dated: **28/01/2020**

To,

**Dr. Muhammad Tariq**  
Country Director

Subject:

**Chemicals - HLMIS (UNICEF)**  
**NOMINATION OF PARTICIPANTS FOR ROLL-OUT TRAINING ON**  
**HLMIS - LAHORE (JANUARY 30-31, 2020)**

Kindly refer to the subject cited above and your letter No. Nil Dated January

22, 2020,  
2,

The nomination of the staff for the said training is listed as below.

Sr	Name of the employee	Designation
1	Mr. Mudassar Ahmad (Master Trainer)	B&AO / Incharge, Govt. Sub MSD Maraka
2	Mr. Yousaf	Pharmacist / Incharge Govt. Sub MSD Multan
3	Mst. Sanecha Naz	Pharmacist
4	Mr. Patras Yousaf	Assistant
5	Mr. Nabeel Arshad	Senior Clerk
6	Mr. Ghulam Qadir	Junior Clerk
7	Mubashir Zahoor	Junior Clerk
8	Mst. Sana	Computer Operator

3.

Looking forward for extended corporation in this regard

**GENERAL MANAGER**  
**GOVT. MEDICAL STORE DEPOT,**  
**LAHORE**

CC

No and Date Even

A copy is forwarded for information to

1. The Director General Health Services, Punjab
2. PSO to Secretary, Primary and Secondary Healthcare Department.
3. Dr. Amir ud Din Chohan, Team Lead, UNICEF HLMIS Project, Punjab



## ANNEX-52: AGENDA TRAINING SESSIONS ROT

### Training on Pakistan Health Logistics Management Information System

#### AGENDA

January 28-29, 2020, Karachi

Day-I: January 28, 2020

Time	Activity	Trainer/Co-Facilitator
09:00 – 09:15	Registration	Participants
09:15 – 10:00	Opening Remarks	Representative DGHS Sindh and Chemonics International Inc.
10:00 – 10:15	Introduction & Objectives	Dr. Ghulam Murtaza (Trainer) Mr. Ijaz Ahmed (Co-Facilitator)
10:15 – 10:30	Pre-Test	Dr. Ghulam Murtaza/ Dr. Taufeeq Noonarie
10:35 – 10:45	Tea	
10:45 – 11:30	MNCH Supply Chain & Basic Logistics Concepts	Dr. Taufeeq Noonarie (Trainer) Ms. Ambreen (Co-Facilitator)
11:30 – 12:00	Getting Started with HLMIS	Dr. Ghulam Murtaza (Trainer) Mr. Azeem (Co-Facilitator)
12:00 – 13:00	Inventory Management-I with Hands on Practice	Dr. Taufeeq Noonarie (Trainer) Mr. Ijaz Ahmed (Co-Facilitator)
13:00 – 14:00	Lunch & Prayer Break	
14:00 – 15:00	Inventory Management-II with Hand on Practice	Dr. Ghulam Murtaza (Trainer) Ms. Ambreen (Co-Facilitator)
Working Tea		
15:00 – 16:00	Inventory Management -III with Hands on Practice	Dr. Taufeeq Noonarie (Trainer) Mr. Azeem (Co-Facilitator)
16:00 -17:00	Presentations on Inventory Management and home assignment	Dr. Ghulam Murtaza (Trainer) Mr. Kayhan (Co-Facilitator)

Day-II: January 29, 2020

Time	Activity	Trainer/ Co-Facilitator
09:00 – 09:15	Recap Day-I	Dr. Taufeeq Noonarie (Trainer) Mr. Ijaz (Co-Facilitator)
09:15 – 10:00	Monthly Reporting Forms & Consumption Reporting	Dr. Taufeeq Noonarie (Trainer) Ms. Ambreen (Co-Facilitator)
10:00 – 10:30	Hands on practice on monthly reporting	Dr. Ghulam Murtaza (Trainer) Mr. Azeem (Co-Facilitator)
Working Tea		
10:30 – 11:00	Dashboards and Analytics	Dr. Taufeeq Noonarie (Trainer) Mr. Azeem (Co-Facilitator)
11:00 – 11:30	IM Graphs and Report	Dr. Ghulam Murtaza (Trainer) Mr. Ambreen (Co-Facilitator)
11:30 – 12:00	HLMIS Explorer / Troubleshooting & Helpdesk	Dr. Taufeeq Noonarie (Trainer) Mr. Kayhan (Co-Facilitator)
12:00 – 12:20	Post Test	Dr. Ghulam Murtaza/ Dr. Taufeeq Noonarie
12:20 – 12:30	Training Evaluation	Dr. Ghulam Murtaza/ Dr. Taufeeq Noonarie
12:30 – 12:45	Closing Remarks	Representative DGHS Sindh and Chemonics International Inc.
12: 45 – 13:00	Certificates Distribution	Representative DGHS Sindh and Chemonics International Inc.
13:00 – 14:00	Lunch	

# Training on Pakistan Health Logistics Management Information System

## AGENDA

January 30-31, 2020, Lahore

Day-I: January 30, 2020

Time	Activity	Trainer/Co-Facilitator
09:00 – 09:15	Registration	Participants
09:15 – 10:00	Opening Remarks	Representative DGHS Punjab and Chemonics International Inc.
10:00 – 10:15	Introduction & Objectives	Mr. Mudassar Ahmed (Trainer) Mr. Ijaz Haider (Co-Facilitator)
10:15 – 10:30	Pre-Test	Mr. Mudassar Ahmed/ Mr. Mudassir Mukhtar
10:35 – 10:45	<b>Tea</b>	
10:45 – 11:30	MNCH Supply Chain & Basic Logistics Concepts	Mr. Mudassir Mukhtar (Trainer) Mr. Nabeel (Co-Facilitator)
11:30 – 12:00	Getting Started with HLMIS	Mr. Mudassar Ahmed (Trainer) Mr. Azeem (Co-Facilitator)
12:00 – 13:00	Inventory Management-I with Hands on Practice	Mr. Mudassir Mukhtar (Trainer) Mr. Ijaz Haider (Co-Facilitator)
13:00 – 14:00	<b>Lunch &amp; Prayer Break</b>	
14:00 – 15:00	Inventory Management-II with Hand on Practice	Mr. Mudassar Ahmed (Trainer) Mr. Nabeel (Co-Facilitator)
<b>Working Tea</b>		
15:00 – 16:00	Inventory Management -III with Hands on Practice	Mr. Mudassir Mukhtar (Trainer) Mr. Azeem (Co-Facilitator)
16:00 -17:00	Presentations on Inventory Management and home assignment	Mr. Mudassar Ahmed (Trainer) Mr. Anib (Co-Facilitator)

## Day-II: January 31, 2020

Time	Activity	Trainer/ Co-Facilitator
09:00 – 09:15	Recap Day-I	Mr. Mudassar Ahmed (Trainer) Mr. Ijaz Haider (Co-Facilitator)
09:15 – 10:00	Monthly Reporting Forms & Consumption Reporting	Mr. Mudassir Mukhtar (Trainer) Mr. Nabeel (Co-Facilitator)
10:00 – 10:30	Hands on practice on monthly reporting	Mr. Mudassar Ahmed (Trainer) Mr. Azeem (Co-Facilitator)
Working Tea		
10:30 – 11:00	Dashboards and Analytics	Mr. Mudassir Mukhtar (Trainer) Mr. Azeem (Co-Facilitator)
11:00 – 11:30	IM Graphs and Report	Mr. Mudassar Ahmed (Trainer) Mr. Nabeel (Co-Facilitator)
11:30 – 12:00	HLMIS Explorer / Troubleshooting & Helpdesk	Mr. Mudassir Mukhtar (Trainer) Mr. Anib (Co-Facilitator)
12:00 – 12:20	Post Test	Mr. Mudassar Ahmed/ Mr. Mudassir Mukhtar
12:20 – 12:30	Training Evaluation	Mr. Mudassar Ahmed/ Mr. Mudassir Mukhtar
12:30 – 12:45	Closing Remarks	Representative DGHS Punjab and Chemonics International Inc.
12: 45 – 13:00	Certificates Distribution	Representative DGHS Punjab and Chemonics International Inc.
13:00 – 14:00	Lunch	

# Training on Pakistan Health Logistics Management Information System

AGENDA February 3-4, 2020, Karachi

Day-I: February 03, 2020

Time	Activity	Trainer/Co-Facilitator
09:00 – 09:15	Registration	Participants
09:15 – 10:00	Opening Remarks	Representative DGHS Sindh and Chemonics International Inc.
10:00 – 10:15	Introduction & Objectives	Dr. Dilbar Mari (Trainer) Dr. Farah (Co-Facilitator)
10:15 – 10:30	Pre-Test	Dr. Dilbar Mari/ Mr. Shah Nawaz
10:35 – 10:45	Tea	
10:45 – 11:30	MNCH Supply Chain & Basic Logistics Concepts	Mr. Shah Nawaz (Trainer) Dr. Farah (Co-Facilitator)
11:30 – 12:00	Getting Started with HLMIS	Dr. Dilbar Mari (Trainer) Ms. Iqra (Co-Facilitator)
12:00 – 13:00	Inventory Management-I with Hands on Practice	Mr. Shah Nawaz (Trainer) Mr. Azeem (Co-Facilitator)
13:00 – 14:00	Lunch & Prayer Break	
14:00 – 15:00	Inventory Management-II with Hand on Practice	Dr. Dilbar Mari (Trainer) Ms. Iqra (Co-Facilitator)
Working Tea		
15:00 – 16:00	Inventory Management -III with Hands on Practice	Mr. Shah Nawaz (Trainer) Mr. Azeem (Co-Facilitator)
16:00 -17:00	Presentations on Inventory Management and home assignment	Dr. Dilbar Mari (Trainer) Mr. Kayhan (Co-Facilitator)



## Day-II: February 04, 2020

Time	Activity	Trainer/ Co-Facilitator
09:00 – 09:15	Recap Day-I	Dr. Dilbar Mari (Trainer) Ms. Iqra (Co-Facilitator)
09:15 – 10:00	Monthly Reporting Forms & Consumption Reporting	Mr. Shah Nawaz (Trainer) Mr. Azeem (Co-Facilitator)
10:00 – 10:30	Hands on practice on monthly reporting	Dr. Dilbar Mari (Trainer) Mr. Kayhan (Co-Facilitator)
Working Tea		
10:30 – 11:00	Dashboards and Analytics	Mr. Shah Nawaz (Trainer) Dr. Farah (Co-Facilitator)
11:00 – 11:30	IM Graphs and Report	Dr. Dilbar Mari (Trainer) Ms. Iqra (Co-Facilitator)
11:30 – 12:00	HLMIS Explorer / Troubleshooting & Helpdesk	Mr. Shah Nawaz (Trainer) Mr. Kayhan (Co-Facilitator)
12:00 – 12:20	Post Test	Dr. Dilbar Mari/ Mr. Shah Nawaz
12:20 – 12:30	Training Evaluation	Dr. Dilbar Mari/ Mr. Shah Nawaz
12:30 – 12:45	Closing Remarks	Representative DGHS Sindh and Chemonics International Inc.
12: 45 – 13:00	Certificates Distribution	Representative Sindh and Chemonics International Inc.
13:00 – 14:00	Lunch	

# Training on Pakistan Health Logistics Management Information System

AGENDA February 6-7, 2020, Karachi

Day-I: February 06, 2020

Time	Activity	Trainer/Co-Facilitator
09:00 – 09:15	Registration	Participants
09:15 – 10:00	Opening Remarks	Representative DGHS Sindh and Chemonics International Inc.
10:00 – 10:15	Introduction & Objectives	Mr. Taufeeq Noonari (Trainer) Dr. Farah (Co-Facilitator)
10:15 – 10:30	Pre-Test	Mr. Taufeeq Noonari / Mr. Shahnawaz
10:35 – 10:45	Tea	
10:45 – 11:30	MNCH Supply Chain & Basic Logistics Concepts	Mr. Shahnawaz (Trainer) Dr. Farah (Co-Facilitator)
11:30 – 12:00	Getting Started with HLMIS	Mr. Taufeeq Noonari (Trainer) Ms. Iqra (Co-Facilitator)
12:00 – 13:00	Inventory Management-I with Hands on Practice	Mr. Shahnawaz (Trainer) Mr. Azeem (Co-Facilitator)
13:00 – 14:00	Lunch & Prayer Break	
14:00 – 15:00	Inventory Management-II with Hand on Practice	Mr. Taufeeq Noonari (Trainer) Ms. Iqra (Co-Facilitator)
Working Tea		
15:00 – 16:00	Inventory Management -III with Hands on Practice	Mr. Shahnawaz (Trainer) Mr. Azeem (Co-Facilitator)
16:00 -17:00	Presentations on Inventory Management and home assignment	Mr. Taufeeq Noonari (Trainer) Mr. Anib (Co-Facilitator)

## Day-II: February 07, 2020

Time	Activity	Trainer/ Co-Facilitator
09:00 – 09:15	Recap Day-I	Mr. Taufeeq Noonari (Trainer) Ms. Iqra (Co-Facilitator)
09:15 – 10:00	Monthly Reporting Forms & Consumption Reporting	Mr. Shahnawaz (Trainer) Mr. Azeem (Co-Facilitator)
10:00 – 10:30	Hands on practice on monthly reporting	Mr. Taufeeq Noonari (Trainer) Mr. Anib (Co-Facilitator)
Working Tea		
10:30 – 11:00	Dashboards and Analytics	Mr. Shahnawaz (Trainer) Dr. Farah (Co-Facilitator)
11:00 – 11:30	IM Graphs and Report	Mr. Taufeeq Noonari (Trainer) Ms. Iqra (Co-Facilitator)
11:30 – 12:00	HLMIS Explorer / Troubleshooting & Helpdesk	Mr. Shahnawaz (Trainer) Mr. Anib (Co-Facilitator)
12:00 – 12:20	Post Test	Mr. Taufeeq Noonari / Mr. Shahnawaz
12:20 – 12:30	Training Evaluation	Mr. Taufeeq Noonari / Mr. Shahnawaz
12:30 – 12:45	Closing Remarks	Representative DGHS Sindh and Chemonics International Inc.
12: 45 – 13:00	Certificates Distribution	Representative Sindh and Chemonics International Inc.
13:00 – 14:00	Lunch	

## ANNEX-53: LIST OF ROT PARTICIPANTS

List of Participants-RoT January 28-29, 2020				
Karachi				
Sindh				
S. No	Name	Designation	Department	District
1	Muhammad Hashim Zawr	Data Entry Operator	Health Department	Badim
2	Moiz Ahmad	Computer Operator	Health Department	East Karachi
3	Muhammad Salahuddin	Storekeeper	Health Department	East Karachi
4	Jameel Ahmed Soomro	Computer Operator	Health Department	Ghotki
5	Miran Shah	Storekeeper	Health Department	Ghotki
6	Babar Khalid Farooqui	Data Entry Operator	Sindh LHW Program	Hyderabad
7	Bilal Rafique	Assistant Logistic Officer	Sindh LHW Program	Hyderabad
8	Abdul Khaliq	Storekeeper	Health Department	Jacobabad
9	Parvez Ali Jamali	Computer Operator	Health Department	Jacobabad
10	Wahid Bux Mallah	Storekeeper	Health Department	Jamshoro
11	Zeeshan Ali Qureshi	Junior Clerk	Health Department	Jamshoro
12	Ashok Kumar	Data Entry Operator	Health Department	Kashmore
13	Inayatullah	Storekeeper	Health Department	Kashmore
14	Naseer Ahmed	Medical Technician	Health Department	Malir
15	Shoaib Ahmad Siddiqui	Storekeeper	Health Department	Malir
16	Bahadur Ali Kaka	Data Entry Operator	Health Department	Matari
17	Syed Shujat Ali	District Accounts Assistant	Health Department	Matari
18	Faisal Patoli	Computer Operator	Health Department	Tando Allahyar
19	Muhammad Rizwan Arain	Storekeeper	Health Department	Tando Allahyar
20	Muhammad Kamran Ansari	Computer Operator	Health Department	Sukkur
21	WaseemUllah Qureshi	Storekeeper	Health Department	Sukkur

List of Participants-RoT January 30-31, 2020				
Lahore				
Punjab				
S. No	Name	Designation	Department	District
1	Badar Munir	Computer Operator	CEO DHA office Bahawalnagar	Bahawalnagar
2	Hammad Ashraf	Computer Operator	IRMNCH & NP Bhawalnagar	Bahawalnagar
3	Khurshid M. Zafar	Account Sup	IRMNCH & NP	Bahawalnagar
4	Ansar Abbass	Accounts Assttnt	IRMNCH & NP Program DG Khan	DG Khan
5	Amir Taimoor Faizi	Store Keeper	Health	DG Khan
6	Muhammad Asad Nadeem	Accountant	Health	DG Khan
7	Sohail Ahmad	Store Keeper	PHFMC	DG Khan
8	Ghulam Qadir	Junior Clerk	Govt Medical Store Depot	Lahore
9	Nabeel Arshad	Senior Clerk	Govt Medical Store Depot	Lahore
10	Muhammad Awais Khan	Computer Operator	IRMNCH & NP	Lahore
11	Muhammad Irfan Ikranm	Computer Operator	IRMNCH & NP	Lahore
12	Patras Yousaf	Assistant	Govt Medical Store Depot	Lahore
13	Mubashir Zahoor	Junior Clerk	Govt Medical Store Depot	Lahore
14	Abid Hussain	Accounts Supervisor	IRMNCH & NP	Muzaffargarh
15	Narjis Batool	SH NS/LMIS Operator	Health	Muzaffargarh
16	Manzoor Ul Haq Abid	Medicine Store Keeper	CEO Health Office Muzaffargarh	Muzaffargarh
17	Munawar Jawad	Store Keeper	IRMNCH & NP	Muzaffargarh
18	Ahmad Yar Shad	Store Officer	Health	Pakpattan
19	Abid Ali	Store keeper	PHFMC	Pakpattan
20	Muhammad Farooq	Computer Operator	IRMNCH & NP	Pakpattan
21	Zubair Ahmed	District Storekeeper	PHFMC	Rahim Yar Khan
22	Imran Nasir	A.A/Storekeeper	CEO DHA office Rahim Yar Khan	Rahim Yar Khan

List of Participants-RoT January 30-31, 2020				
Lahore				
Punjab				
S. No	Name	Designation	Department	District
23	M. Aqib Toqeer	CEO Office Rahim Yar Khan	CEO Office RahimYarKhan	Rahim Yar Khan

List of Participants-RoT February 3-4, 2020				
Karachi				
Sindh				
S. No	Name	Designation	Department	District
1	Asadullah Naich	Storekeeper	Department of Health	Dadu
2	Asif Ali Jamali	Computer Operator	Department of Health	Dadu
3	Attique U Rehman	Data Entry Operator	Department of Health	Hyderabad
4	Jawad Ahmed	Storekeeper	Department of Health	Hyderabad
5	Muhammad Waqas Aslam	Computer Operator	Department of Health	Hyderabad
6	Abdul Hakeem Chandio	Storekeeper	Department of Health	Kambar Shahdadkot
7	Asadullah Hakro	Data Entry Operator	Department of Health	Kambar Shahdadkot
8	Hazoor Bux	Storekeeper	Department of Health	Khairpur
9	Pervez Ahmed Memon	Computer Operator	Department of Health	Khairpur
10	Asif Shabbir	Computer Operator	Department of Health	Korangi
11	Amir Shahzad	Storekeeper	Department of Health	Korangi
12	Samad Baig	Computer Operator	Department of Health	Korangi
13	Aftab Ahmed	Storekeeper	Department of Health	Larkana
14	Muneer Hussain Shaikh	Computer Operator	Department of Health	Larkana
15	Faisal Basheer Memon	Computer Operator	Department of Health	Naushahro Feroze
16	Zeeshan Ali	Storekeeper	Department of Health	Naushahro Feroze
17	Abdul Razzaque Chandio	Computer Operator	Department of Health	Shaheed Banazeerabad
18	Subhan Baladi	Storekeeper	Department of Health	Shaheed Banazeerabad
19	Rasikh Qadeer	Data Entry Operator	Department of Health	Shikarpur
20	Zahooruddin	Storekeeper	Department of Health	Shikarpur
21	Muhammad Khan Samoon	Storekeeper	Department of Health	South Karachi
22	Nadeem Ahmed Siddiqui	Storekeeper	Department of Health	South Karachi
23	Fazal Karim	Storekeeper	Department of Health	Tando Muhammad Khan
24	Nizamuddin Soomro	Computer Operator	Department of Health	Tando Muhammad Khan

**List of Participants-RoT February 6-7, 2020**

**Karachi**

**Sindh**

S. No	Name	Designation	Department	District
1	Javed Iqbal	Computer Operator	Department of Health	Sanghar
2	Muhammad Arshad Javed Arain	Account Supervisor	Department of Health	Mirpur Khas
3	Ghulam Rasool Baloch	Health Tech Store Incharge	Department of Health	Mirpur Khas
4	Omprakash	Sr. Dispenser/Store keeper	Department of Health	Umerkot
5	Ramesh Kumar	Jr. Clerk	Department of Health	Umerkot
6	Qazi Muhammad Iqbal	Sr. Store keeper	Department of Health	West
7	Fazal Karim	Ilc Store keeper	Department of Health	Sujawal
8	Abdul Nasir Memon	Jr. Clerk/Computer operator	Department of Health	Sujawal
9	Niaz Ali Brohi	Supply chain assistant	MERF	Thatta
10	Hasham Bin Shafiq	Pharmacist	MERF	Thatta/ Sujawal
11	Liaquat Ali Khan	DHO Sanghar	Department of Health	Sanghar
12	Nadeem Akhtar	Storekeeper	Department of Health	Central Karachi
13	Qutibudin	Computer Operator	Department of Health	Tharparkar
14	Habibullah Solangi	Storekeeper	Department of Health	Thatta
15	Asim Ali Qureshi	Store Manager	PPHI	Thatta
16	Ali Hassan Shah	Computer Operator	Department of Health	Thatta
17	Haris Iqbal	Supply chain and Warehouse Manager	I.H.S	Hyderabad
18	Zeeshan Shahid	Sr. Software Engineer	I.H.S	Islamabad
19	Syed Muhammad Hassam	Computer Operator	Department of Health	West Karachi
20	Komal Rani	Store Manager	PPHI	East Karachi
21	Nihal Chand	DHO Tharparkar	Department of Health	Tharparkar
22	Atteeq Ahmed Baloch	Procurement and Logistics Associate	HANDS	Malir
23	Nadeem David	Procurement and Logistics	HANDS	Malir
24	Raheel	Jr. Clerk	Department of Health	Central Karachi



## ANNEX-54: PRE- AND POST-TRAINING ASSESSMENT FOR ROLL-OUT USER TRAININGS

Health Logistics Management Information System (HLMIS) Training

### Pre- / Post-Training Assessment

Name: \_\_\_\_\_ District: \_\_\_\_\_ Date: \_\_\_\_\_

*Note: Please answer all questions.*

1. What are the “Six Rights” of a Logistics System?
  - 1) \_\_\_\_\_
  - 2) \_\_\_\_\_
  - 3) \_\_\_\_\_
  - 4) \_\_\_\_\_
  - 5) \_\_\_\_\_
  - 6) \_\_\_\_\_
2. At what levels of supply chain is stock received, stored, and issued but not consumed?
  - e) Provincial store
  - f) District / divisional store
  - g) Tehsil store
  - h) All of above except “c”
3. The District level storekeeper / user can issue stock directly to one of the following:
  - e) National store
  - f) Provincial store
  - g) Health facilities
  - h) None of the above
4. The Inventory Management Module of HLMIS prioritizes stock in Batch Management on the basis of which of the following?
  - e) FEFO
  - f) LIFO
  - g) LILO
  - h) FIFO
5. Stock can be issued which one of the following?
  - e) Stacked
  - f) Running
  - g) Consumed
  - h) Available
6. When it comes to an online system, what do you think of when you hear “dashboards”?
  - d) Numbers and figures

- e) Graphs
  - f) Info-tiles
7. What is the most appropriate use of information collected in HLMIS?
- d) Keep stock record on hard registers and keep information disclosed to your store
  - e) Maintain the data on information system and keep looking dashboards for evidence-based decision making
  - f) Do not keep record of stock dispersed or received
8. What does the term “consumption” mean?
- e) Medicines used to treat patients
  - f) Medicine not used to treat patients from open cartons
  - g) Packed medicines that become unusable
  - h) All of the above options
9. How many previous month/s consumption data an HLMIS user can edit?
- a) 1 month      b) 2 months      c) 3 months      d) 4 months

**True/False**

10. The stock received in HLMIS cannot be searched?
- ☐ True
  - ☐ False
11. The user can export different reports / search results into excel.
- ☐ True
  - ☐ False
12. User can add new products in inventory management module without support from the help-desk?
- ☐ True
  - ☐ False
13. The inventory management data shall be entered after the end of reporting month.
- ☐ True

☐ False

14. Patient count considered a part of logistics data.

☐ True

☐ False

15. Preparation of a Monthly Consumption Report is the responsibility of store keeper.

☐ True

☐ False

16. The Consumption Reporting module of HLMIS automatically calculates the opening balance in the monthly consumption report.

☐ True

☐ False

17. Data reporting in HLMIS by District Store staff enables provincial and district management to make evidence-based decisions.

☐ True

☐ False

18. The HLMIS system provides data visibility to provincial and district management to view holistic data of public and private supply chain data with a single click.

☐ True

☐ False

19. HLMIS provides support to store staff for demand and supply planning of stock.

☐ True

☐ False

20. Internet connectivity is not necessary for accessing dashboards on HLMIS

☐ True

☐ False

## ANNEX-55: INDIVIDUAL PRE- AND POST-ROLL-OUT USER TRAINING ASSESSMENT RESULTS

RoT Training on HLMIS - Participant's Pre- / Post-Training Assessment Score Percentages					
Training Dates: January 28-29, 2020			Venue: Karachi		
Sr. #	Name of Participant	Code	Pre-Test	Post-Test	% Performance
1	Muhammad Hashim Zawr	B1	48%	76%	58%
2	Moiz Ahmad	B2	40%	68%	70%
3	Muhammad Salahuddin	B3	52%	68%	31%
4	Jameel Ahmed Soomro	B4	68%	88%	29%
5	Miran Shah	B5	60%	88%	47%
6	Babar Khalid Farooqui	B6	32%	76%	138%
7	Bilal Rafique	B7	48%	80%	67%
8	Abdul Khaliq	B8	36%	76%	111%
9	Parvez Ali Jamali	B9	40%	80%	100%
10	Wahid Bux Mallah	B10	32%	64%	100%
11	Zeeshan Ali Qureshi	B11	52%	96%	85%
12	Ashok Kumar	B12	64%	88%	38%
13	Inayatullah	B13	60%	88%	47%
14	Naseer Ahmed	B14	52%	68%	31%
15	Shoaib Ahmad Siddiqui	B15	44%		
16	Bahadur Ali Kaka	B16	52%	84%	62%
17	Syed Shujat Ali	B17	48%	92%	92%
18	Faisal Patoli	B18	44%	72%	64%
19	Muhammad Rizwan Arain	B19	32%	76%	138%
20	Muhammad Kamran Ansari	B20	52%	92%	77%
21	WaseemUllah Qureshi	B21	36%	64%	78%
Average			47%	79%	73%

# RoT Training on HLMIS - Participant's Pre- / Post-Training Assessment Score Percentages

Training Dates: January 30-31, 2020

Venue: Lahore

Sr. #	Title	Name of Participant	Code	Pre-Test	Post-Test	% Performance
1	Mr.	Badar Munir	C1	52%	96%	44%
2	Mr.	Hammad Ashraf	C2	60%	96%	36%
3	Mr.	Khurshid M. Zafar	C3	56%	84%	28%
4	Mr.	Ansar Abbass	C4	56%	88%	32%
5	Mr.	Amir Taimoor Faizi	C5	40%	88%	48%
6	Mr.	Muhammad Asad Nadeem	C6	0%	92%	92%
7	Mr.	Sohail Ahmad	C7	32%	80%	48%
8	Mr.	Ghulam Qadir	C8	24%	84%	60%
9	Mr.	Nabeel Arshad	C9	40%	84%	44%
10	Mr.	Muhammad Awais Khan	C10	56%	80%	24%
11	Mr.	Muhammad Irfan Ikram	C11	64%	88%	24%
12	Mr.	Patras Yousaf	C12	24%	76%	52%
13	Mr.	Mubashir Zahoor	C13	76%	72%	-4%
14	Mr.	Abid Hussain	C14	64%	84%	20%
15	Ms.	Narjis Batool	C15	84%	88%	4%
16	Mr.	Manzoor Ul Haq Abid	C16	88%	88%	0%
17	Mr.	Munawar Jawad	C17	76%	84%	8%
18	Mr.	Ahmad Yar Shad	C18		88%	88%
19	Mr.	Abid Ali	C19	60%	88%	28%
20	Mr.	Muhammad Farooq	C20	36%	80%	44%
21	Mr.	Zubair Ahmed	C21	60%	84%	24%
22	Mr.	Imran Nasir	C22	60%	88%	28%
23	Mr.	M. Aqib Toqeer	C23	48%	72%	24%
Average				53%	85%	35%

RoT Training on HLMIS - Participant's Pre- / Post-Training Assessment Score Percentages					
Training Dates: February 3-4, 2020			Venue: Karachi		
Sr. #	Name of Participant	Code	Pre-Test	Post-Test	% Performance
1	Asadullah Naich	D1	44%	76%	73%
2	Asif Ali Jamali	D2	44%	76%	73%
3	Attique U Rehman	D3	48%		
4	Jawad Ahmed	D4	12%	76%	200%
5	Muhammad Waqas Aslam	D5	44%	80%	82%
6	Abdul Hakeem Chandio	D6	16%	72%	200%
7	Asadullah Hakro	D7	40%	68%	70%
8	Hazoor Bux	D8	44%	60%	36%
9	Pervez Ahmed Memon	D9	48%	64%	33%
10	Asif Shabbir	D10	56%	80%	43%
11	Amir Shahzad	D11	36%	80%	122%
12	Samad Baig	D12	44%	92%	109%
13	Aftab Ahmed	D13	40%	76%	90%
14	Muneer Hussain Shaikh	D14	4%	84%	200%
15	Faisal Basheer Memon	D15	44%	80%	82%
16	Zeeshan Ali	D16	44%	80%	82%
17	Abdul Razzaque Chandio	D17	20%	56%	180%
18	Subhan Baladi	D18	20%	56%	180%
19	Rasikh Qadeer	D19	36%	88%	144%
20	Zahooruddin	D20	36%	88%	144%
21	Muhammad Khan Samoon	D21	16%	80%	200%
22	Nadeem Ahmed Siddiqui	D22	40%	80%	100%
23	Fazal Karim	D23	56%	80%	43%
24	Nizamuddin Soomro	D24	52%	80%	54%
Average			37%	76%	110%



RoT Training on HLMIS - Participant's Pre-/Post-Training Assessment Score Percentages					
Training Dates: February 6-7, 2020				Venue: Karachi	
Sr. #	Name of Participant	Code	Pre - Test	Post - Test	% Performance
1	Javed Iqbal	D1	60%	72%	20%
2	Muhammad Arshad Javed Arain	D2	52%	84%	62%
3	Ghulam Rasool Baloch	D3		64%	
4	Omprakash	D4	44%	64%	45%
5	Ramesh Kumar	D5	40%	72%	80%
6	Qazi Muhammad Iqbal	D6	40%	76%	90%
7	Fazal Karim	D7	56%	88%	57%
8	Abdul Nasir Memon	D8	56%	84%	50%
9	Niaz Ali Brohi	D9	56%	88%	57%
10	Hasham Bin Shafiq	D10	68%	88%	29%
11	Liaquat Ali Khan	D11	40%	80%	100%
12	Nadeem Akhtar	D12	36%	68%	89%
13	Qutibudin	D13	28%	64%	129%
14	Habibullah Solangi	D14	16%		
15	Asim Ali Qureshi	D15	52%	84%	62%
16	Ali Hassan Shah	D16	24%	80%	233%
17	Haris Iqbal	D17	60%	84%	40%
18	Zeeshan Shahid	D18	60%	92%	53%
19	Syed Muhammad Hassam	D19	48%	84%	75%
20	Komal Rani	D20	48%	76%	58%
21	Nihal Chand	D21	8%	48%	500%
22	Ateeq Ahmed Baloch	D22	68%	84%	24%
23	Nadeem David	D23		80%	
24	Raheel	D24	16%	68%	325%
Average			44%	77%	104%

## ANNEX-56: PRE- AND POST-TRAINING ASSESSMENT QUESTION BY QUESTION ANALYSIS

Pre- and Post-ROT Assessment Results – Analysis by Question										
Test score	Q1 (Points)	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
Pre-Training Score	0.64	29.96%	82.67%	42.67%	57.79	24.24%	65.37%	77.44%	6.49%	58.70%
Post-Training Score	5.71	44.00%	95.74%	84.22%	89.82%	35.38%	89.77%	90.91%	42.60%	80.10%
% Change	797.59%	46.86%	15.81%	97.38%	55.42%	45.94%	37.34%	17.39%	556.45%	36.45%

	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
Pre-Training Score	63.09%	42.61%	33.98%	45.04%	76.41%	82.81%	57.14%	59.77%	74.24%	65.37%
Post-Training Score	72.79%	73.34%	37.45%	50.99%	77.37%	94.12%	86.60%	73.12%	93.61%	81.10%
% Change	15.38%	72.12%	10.22%	13.21%	1.26%	13.66%	51.57%	22.33%	26.10%	24.06%

## ANNEX-57: ROT TRAINING EVALUATION FEEDBACK

Training On

Health Logistics Management Information System (HLMIS)

Date: \_\_\_\_\_2020

District: \_\_\_\_\_

Province: \_\_\_\_\_

### Training Evaluation Form

Please indicate your impressions of the items listed below.

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1. The training met my expectations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. I will be able to apply the knowledge learned.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. The training objectives for each topic were identified and followed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. The content was organized and easy to follow.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. The materials distributed were pertinent and useful.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. The trainer was knowledgeable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. The quality of instruction was good.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. The trainer met the training objectives.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Class participation and interaction were encouraged.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Adequate time was provided for questions and discussion.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

11. How do you rate the training overall?

Excellent      Good      Average      Poor      Very poor

12. What aspects of the training could be improved?

13. What problems do you think you will face using the HLMIS system in your day to day work?

14. What benefit do you think using HLMIS in your day to day will have?

15. Is there anything that you would like to know more about to help you use HLMIS in your day to day?

16. Other comments?

**THANK YOU FOR YOUR PARTICIPATION!**

Participant's Feedback Analysis							
S.No	Remarks	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	
1	The Training met my expectations	50	38	1	0	0	
2	I will be able to apply the knowledge learned	37	51	1	0	0	
3	The training objectives for each topic were identified and followed.	30	54	5	0	0	
4	The content was organized and easy to follow	37	49	3	0	0	
5	The materials distributed were pertinent and useful	35	46	6	0	2	
6	The trainer was knowledgeable about the HLMIS system	58	27	4	0	0	
7		45	40	4	0	0	
8	By the end of the session, I felt that the training objectives and I learned what I was intended to	42	40	6	1	0	
9	Class participation and interaction were encouraged	41	45	1	2	0	
10	Adequate time was provided for each session and follow up questions and discussion	47	41	1	0	0	

## ANNEX-58: HLMIS M&E FRAMEWORK

### Comprehensive supply Chain M&E Framework

A comprehensive supply chain results framework and its implementation plan has been developed in consultation and coordination with all relevant stakeholders of Punjab and Sindh. The result framework encompasses overall goal of uninterrupted supply of essential health commodities to prevent suffering, save lives, and create a brighter future for the people of Sindh and Punjab provinces and it is linked with all activities and outputs with program overall goals in a logical manner. Key performance indicators were also developed in agreement with all stakeholders to measure the progression from outputs to goals. For each of the developed indicators, the elements to be analyzed and documented are indicator definition, data collection, compilation and analysis, disaggregation, reporting frequency, data validation, baseline and targets. The performance indicators will aim to gauge outputs from key technical areas e.g. forecasting and supply planning, procurement, warehousing, distribution, human resource capacity and facility level availability of health products.

#### Objective 1: Improved accuracy and timeliness of consumption forecast and supply plan

Forecasting and supply planning (FASP) is the key initial step to estimate demand-based supply planning. Overall supply chain system must have an automated and robust forecasting and supply planning system. The system should be able to generate, capture and analyze various types (consumption, demographic, morbidity and services) of data for an accurate forecast. The human resource capacity needs to be built and sustained to ensure FASP system operates at an optimal level.

#### Objective 2: Improved efficiency and visibility of procurements

Lack of procurement efficiency is currently hampering the available at the health facility level. The results framework provides critical input to ensure visibility of procurement process and subsequently strengthening their efficiency and timeliness. The inputs will result in significant savings in terms of commodity costs in the long term.

#### Objective 3: Improved capacity and efficiency of warehousing and procurements

In-country warehousing capacity is pertinent to ensure minimum and maximum months of stock are maintained for essential health commodities. The automated inventory management is key link from manufacturer to consumer; ensuring transactions are recorded when and where they occur and actions are taken within specified time.

#### Objective 4: Improved availability, quality and use of supply chain data for performance management and decision making

Enhanced availability and visibility of end-to-end supply chain data through web based HLMIS is and intermediate result which with other IR's like strengthened data governance for HLMIS, structures for regular review and use of M&E data by supply chain managers, Improved data quality across all supply chain functions, at all supply chain levels and ensure adequate resources are budgeted for M&E tools and activities must accomplished required objective.

## HLMIS Data Quality Assessment

The overall objective of HLMIS is to make health logistics data visible for essential medicines. The data is aimed to be available for timely actions for all relevant users. Moreover, the accuracy of data should be high to ensure actions are based on reliable evidence and incremental improvement in supply chain is achieved. The data quality will be assessed under three dimensions, timeliness, completeness and accuracy

### Data Timeliness

Decisions in supply chain could be very time sensitive. The actions on stock availability need to be taken in matters of days to hours and data/alerts are essential from the phases of understock situations. The information system must have some predictive power to identify potential future stock distribution issues for timely course correction. A certain time lag may render the data useless for stock distribution issues, though it may still provide useful insight for root cause analysis. The MEL plan aims to measure the data timeliness in two ways

Built-in reports for identifying delays in receiving data within HLMIS

Field visit check list identifying delays in reports and the underlying factors for these delays

### Data Completeness

The HLMIS system houses complete inventory and consumption data for essential medicines. LMIS being the engine, each of the data element is critical for various steps in logistics cycle. The consumption data, for example, is used to track changes in consumption patterns and forecasting of the products. The inventory data is critical to identifying stock distribution challenges. The HLMIS system will track the completeness of reports through analysis of reporting rates every month. The field monitoring teams, through a structured checklist, will review the completeness of background data (registers) kept at the facilities and compare the HLMIS reports with the background data to identify any data elements not being reported regularly.

### Data Accuracy

The overall reliability of data highly depends upon its accuracy. Mostly, use of data is directly proportional to its reliability in terms of accuracy. The project aims to regularly gauge the quality of data through structured checklists. The tool will be used to validate data by visiting field and comparing the reports with the actual data source. Thus, errors introduced from data capture, transfer and computations will be identified.

## Strengthen M&E through Regular Review & Use of Data



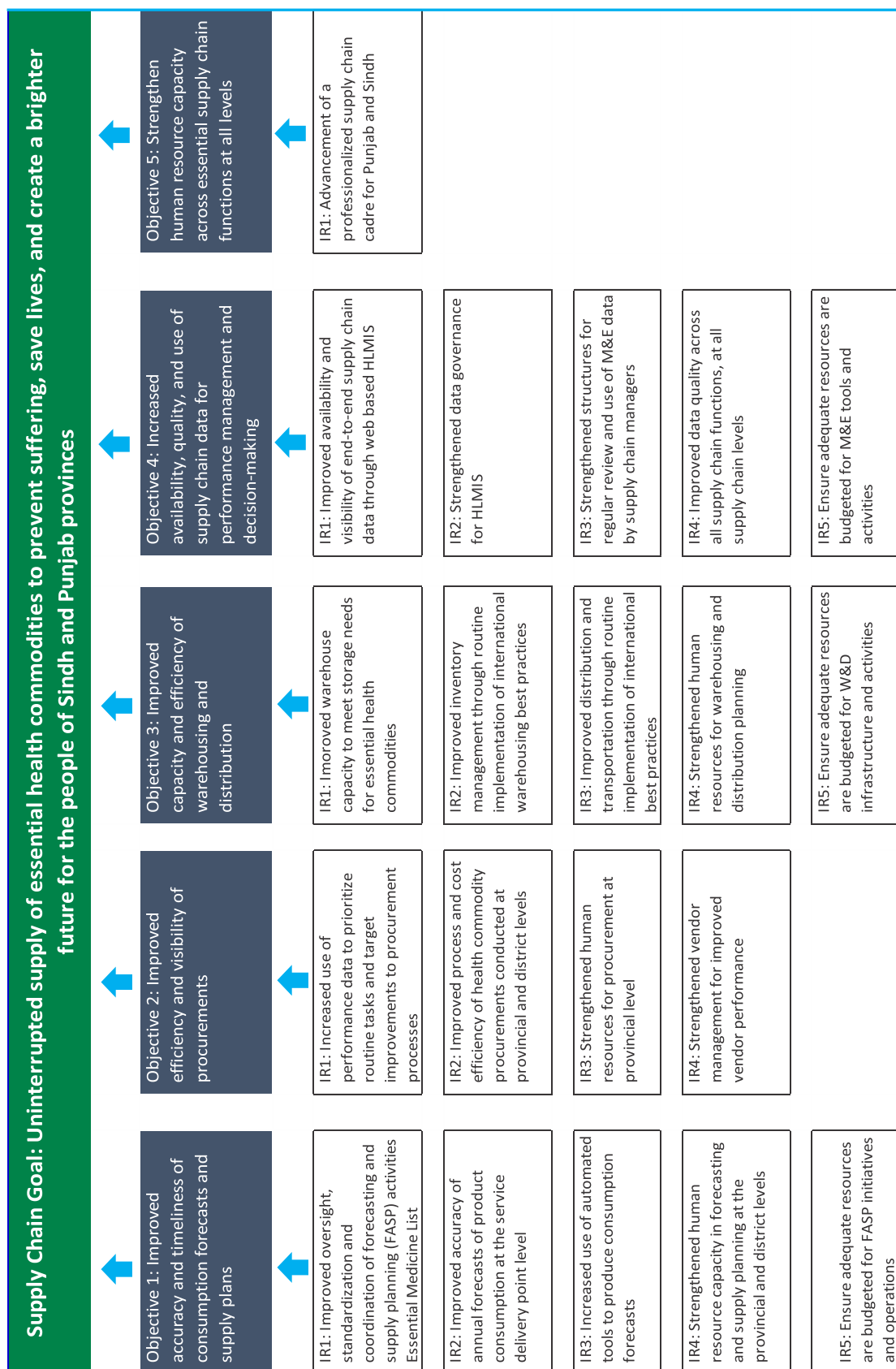
M&E of HLMIS strengthen monitoring activities, through regular review and use of supply chain data. M&E staff at will jointly review HLMIS every quarter in order to identify gaps, validate data quality and recommend corrective actions. Follow- up will be done every month for implementation of action points. Capacity building/trainings will also be conducted for provincial M&E staff members to increase their use of data for decision making

Wherever possible, all M&E activities will be integrated with existing government health supply chain M&E systems and planned interventions; in order to optimize strategic planning for supply chains in Punjab and Sindh.

### **Objective 5: Strengthen human resource capacity across supply chain functions at all levels**

Human resource capacity development is a cross cutting element for all supply chain thematic areas. However, an institutional mechanism needs to be established for broader pre and in-service trainings to ensure new people are trained in new emerging areas and staff turnover is managed. The local institutes are enabled to provide both pre and in-service trainings for staff at various levels of supply chain

## Result Framework Diagram



## ANNEX-59: CORRESPONDENCE SUPPORTIVE SUPERVISION ACTIVITIES SINDH AND PUNJAB



February 06, 2020

**Dr. Mobin Ahmed Memon**  
Director General Health Services,  
Government of Sindh

**Subject: Request for the nomination of staff to accompany the monitoring team for Joint Field Monitoring visits**

Dear Dr. Mobin Ahmed,

Chemonics International Inc., highly appreciates and acknowledges the Department of Health, Government of Sindh for your active support for implementation of UNICEF HLMIS project in the Province.

Following the roll-out trainings to ensure successful use of the system, we aim to conduct joint field monitoring visits to provide on-the-job support to the trained district staff to overcome any technical issues and provide timely support.

These visits will be very helpful to have a better knowledge of HLMIS user challenges in Sindh, so that actions could be taken for the improvement in the system, if necessary.

The tentative field monitoring plan has been developed and is enclosed herewith.

May I request you to kindly nominate staff from the department to accompany the monitoring team to share in the learning's for a better outcome.

Looking forward to your kind response.

Sincerely,

**Dr. Muhammad Tariq**  
Country Director

Copy for information:

1. Mr. Zahid Ali Abbasi, Secretary, Department of Health, Government of Sindh
2. Dr. Humaira Irshad, Programme Officer, UNICEF Country Office, Islamabad
3. Dr. Hanna Mustafa, Representative, UNICEF
4. Dr. Tanweer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project, Karachi

VISIT PLAN-HLMIS IMPLEMENTATION			
#	Division	District	Visit Date
1	Karachi	Karachi Central	17-18 Feb 20
2		Karachi West	18-19 Feb 20
3		Karachi East	17-18 Feb 20
4		Karachi South	18-19 Feb 20
5		Karachi Korangi	13-Feb 20
6	Hyderabad	Jamshoro	12-Feb 20
7		Dadu	13-14 Feb 20
8		Matlari	13-Feb 20
9		Tando Allahyar	17-Feb 20
10		Tando Mohammad Khan	12-Feb 20
11		Badin	27-28 Feb 20
12		Thatto	19-20 Feb 20
13		Sujawal	21-Feb 20
14	Mirpurkhas	Tharparkar	11-12 Feb 20
15		Umarkot	10-11 Feb 20
16	Shaheed Benazirabad	Shaheed Benazirabad	12-13 Feb 20
17		Naushahro Feroze	24-25 Feb 20
18		Sanghar	25-26 Feb 20
19	Sukkur	Sukkur	24-25 Feb 20
20		Khairpur Mir	25-26 Feb 20
21	Larkano	Kambar Shadadkot	24-25 Feb 20
22		Kashmore	25-26 Feb 20
23		Shikarpur	24-25 Feb 20
24		Jacobabad	26-27 Feb 20

February 06, 2020

**Dr. Muhammad Haroon Jahangir Khan**  
 Director General Health Services,  
 Government of Punjab

**Subject: Request for the nomination of staff to accompany the monitoring team for Joint Field Monitoring visits**

Dear Dr. Muhammad Haroon,

Chemonics International Inc., highly appreciates and acknowledges the Department of Health, Government of Punjab for your active support for implementation of UNICEF HLMIS project in the Province.

Following the roll-out trainings to ensure successful use of the system, we aim to conduct joint field monitoring visits to provide on-the-job support to the trained district staff to overcome any technical issues and provide timely support.

These visits will be very helpful to have a better knowledge of HLMIS user challenges in Punjab, so that actions could be taken for the improvement in the system, if necessary.

The tentative field monitoring plan has been developed and is enclosed herewith.

Sincerely,



**Dr. Muhammad Tariq**  
 Country Director

Copy for information:

1. Capt. Retd. Muhammad Usman, Secretary, Department of Health, Government of Punjab
2. Dr. Hanadi Mostafa, Project Director, UNICEF Country office, Islamabad
3. Dr. Amir-ud-Chauhan, Supply Chain Team Lead, Punjab

Joint Field Monitoring Visit Plan			
S#	Destination	Davs	Travelling
1	DG Khan	2	11-12 Feb 20
2	Muzafargarh	2	13-14 Feb 20
3	Pakpattan	2	18-19 Feb 20
4	Bahawalnagar	2	20-21 Feb 20
5	RY Khan	2	26-27 Feb 20



NO. DGHSS/PH-Wing/ 58-B)/ 2741/53  
DIRECTORATE GENERAL  
HEALTH SERVICES SINDH  
Hyderabad Dated: 02-March-2020  
email: dghealthsindh@sindhhealth.gov.pk

To,

The District Health Officers,  
Hyderabad, Karachi Malir, Mirpurkhas,  
Ghotki, Larkana

**SUBJECT: IMPLEMENTATION OF HLMIS**

Reference: Letter No. DGHSS/PH-Wings-58 B/ 1278/1313 dated: 10-02-2020

As you are aware that of Health Logistics Information System (HLMIS) is being implemented within Sindh province by The Directorate General Health Services Sindh with collaboration of Chemonics International Inc.

In this regards, UNICEF HLMIS project team will be visiting following districts as below;

Sr. No.	District	Visit Date
1	Hyderabad	4-Mar-20
2	Karachi Malir	10-Mar-20
3	Mirpurkhas	12-Mar-20
4	Ghotki	16-17 Mar 20
5	Larkana	17-18 Mar 20

The purpose of these visits is to support your office warehouse staff and provide on job training to your recent trained staff.

You are advised to coordinate with the teams and extend your full cooperation to avail maximum benefits from the visiting technical teams and ensure smooth implementation of HLMIS in your districts.

**DIRECTOR GENERAL**  
HEALTH SERVICES SINDH @ HYDERABAD

Copy forwarded for information:

- The Secretary, Government of Sindh, Health Department Sindh.
- The Divisional Director Health Services Karachi, Hyderabad, Mirpurkhas, Sukkur, Larkana.
- The P.S to Minister Health and Population Welfare Department, Government of Sindh, Karachi
- Dr. Muhammad Tariq, Country Director, Chemonics International Inc. Islamabad
- Dr. Syed Kamal Asghar, Health Specialist, UNICEF KARACHI
- Dr. Tanweer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project Karachi.
- Dr. Mumtaz Brohi, Coordinator, UNICEF HLMIS Project, Hyderabad

Shahmeer M/ D:\Office work\Officers\Dr. Mumtaz\2020\HMS letters.doc



## ANNEX-60: MONITORING CHECKLIST – DISTRICT STORES

1. Store Information	
Visit Date	
District Name	
Stakeholder (DOH, IRMNCH, PHFMC, PPHI, etc.)	

2. Monitoring Team Information		
Monitors	Project Staff	DOH Staff
Name		
Designation		
Contact Number		

3. IT Hardware Support	Yes/No	Functional/Non-Functional
1. Desktop		
2. Laptop		
3. Tablet/Smart Phone		
4. Printer		
5. Power Back Up (Generator / UPS)		
6. Internet service		

4. Human Resource			
a. Personnel	Available (Yes/No)	Name	Designation
1. HLMIS Operator(s)			
2. Contact Info			
3. HLMIS District Focal Person/Supervisor			
4. Does DFP/Supervisor monitor HLMIS data entry?			
b. Training Status	Yes/No	Date of Training:	
1. Inventory Management			
2. Monthly Consumption Reporting Format			
3. HLMIS Analytics/Reports			
c. HLMIS Operator's Skills	Satisfactory	Need Support	On Job Training Provided
	Yes/No	(Yes/No)	(Yes/No)
1. Can login into the system independently			
2. Can enter Inventory / Consumption data & view reports independently			
3. Can validate data from the stock registers independently			
4. Knows the HLMIS support mechanism			

5. Implementation and Use of HLMIS	Yes/No
1. Is HLMIS Implemented at District Store?	
2. Is Inventory Managed in real time in HLMIS?	
3. Is HLMIS is used for issuance of printed vouchers to health facilities?	
4. Is HLMIS data used for supply chain decision making?	

6. Utilization of HLMIS Data by District Authorities	
Name of District Manager (CEO/DHO/EDO):	Yes/No
1. Knows about HLMIS	
2. Has HLMIS Formal Orientation/Training	
3. Uses HLMIS data for supply chain decision making?	

7. Storage Practices & Record Keeping:	Yes/No
1. Is sufficient space available for storage of products?	
2. Are best storage practices followed?	
3. Is FEFO being followed for issuance?	
4. Are stock registers/Bin Cards available/displayed?	
5. Are stock Register maintained/updated?	
6. Are Bin Cards maintained/updated?	
7. Are issue and Receipt vouchers maintained/updated?	

8. Stock Status at the day of Visit:	
Activity	Yes/No
1. Do Stock Registers and Physical Stocks match?	
2. Do Stock Registers and HLMIS Stocks match?	
3. Do HLMIS Stocks and Physical Stocks match?	
4. Do supplies match with the quantities requisitioned by facilities?	

9. HLMIS Implementation- Challenges and Proposed Actions:		
Challenges	Proposed Actions	Action Taken

#### Annex-1

10. Stock Status				
Key- Tab: Tablet; Syp: Syrup; Inj: Injection; Amp: Ampule; Cap: Capsule; Inf: Infusion				
	Products	Stock Register (Visit Day)	Physical Stock (Visit Day)	HLMIS (Visit day)
1	Condom			
2	POP			
3	COC			
4	ECP			
5	Copper-T-380A			
6	3-Month Inj.			
7	Implanon			
8	Jadelle			
9	Safe Delivery Kits			

10	Multiload			
11	2-Month Inj			
12	Paracetamol Tab			
13	Syp Paracetamol			
14	Mebendazole Tab			
15	Contrimexazole Syp			
16	Peditral			
17	Eye Ontiment			
18	Iron			
19	Vitamin B Complex			
20	Syp/Tab Zinc Sulphate			
21	Others			
22	Choloroquin Tab			
23	Amoxil Forte 250mg/5 ml 90ml			
24	Gel Chlorhexidine Digluconate (7.1 %)			
25	Folic Acid			
26	Ravitale - Multi (bottle)			
27	Vidalyin – M			
28	Qalsan-D			
29	Implanon NXT			
30	3 Month Inj. Sayana Press			
31	Male			
32	Female			
33	Inj. Oxytocin			
34	Inj. Magnesium Sulphate			
35	Lignocaine Inj. 2%			
36	Tab Misoprostol			
37	Metronidazole tab (200mg)			
38	Metronidazole tab (400mg)			
39	Amoxicillin cap (250mg)			
40	Amoxicillin cap (500mg)			
41	Anti-fungal vaginal tab with applicator			
42	Antiseptic Lotion			
43	Disposable Syringes(5ccand 10cc)			
44	Cannula			
45	Cotton Roll			
46	IV with set			
47	Femplant			
48	Tab. Paracetamol 500 mg			
49	Syr. Paracetamol 125 mg / 5ml			
50	Tab. Chlorpheniramine (hydrogen maleate) 4 mg			
51	Amp. Pheneramine 25 mg/ 1 ml			

52	Syr. Chlorpheniramine (hydrogen maleate) 2 mg / ml			
53	Inj. Dexamethasone (disodium phosphate) 4 mg			
54	Tab. Dexamethasone (disodium phosphate) 0.5 mg			
55	Amp. Diazepam 10mg/2ml			
56	Inj. Magnesium Sulphate 500mg/ml			
57	Cap. Amoxicillin (trihydrate) 500mg			
58	Sus. Amoxicillin (trihydrate) 125 mg /5ml Syrup			
59	Inj. Amoxicillin (trihydrate) 500 mg			
60	Cap. Ampicillin 500 mg			
61	Syr. Ampicillin (sodium) 125 /5ml			
62	Inj. Ampicillin (sodium) 500mg			
63	Inj. Gentamicin (sulfate) 40 mg			
64	Tab. Metronidazole (benzoate) 400 mg			
65	Tab. Metronidazole (benzoate) 200 mg			
66	Syr. Metronidazole (benzoate) 200 mg / 5ml			
67	Inf. Metronidazole (benzoate) 500mg/ml in 100ml			
68	Inj. Ceftriaxon 500 mg			
69	Inj. Ceftriaxon 1g			
70	Sac. ORS (Low osmolarity) WHO Specs Sachet			
71	Tab. Misoprostol 200 mcg			
72	Tab. Salbutamol (sulfate) 2 mg			
73	Syr. Salbutamol (sulfate) 60ml			
74	Inf. Dextrose 10% 1000ml			
75	Tab. Zinc Sulphate 20 mg			
76	Inj. Vitamin K 10 mg			
77	Sup. Diclofenic sodium 100mg			
78	Cap. Ampicillin 250mg			
79	Cap. Amoxicillin (Trihydrate) 250 mg			
80	Inj. Oxytocin 10 IU 1 ml			
81	Inf. Sodium Chloride 0.9 % 500ml			
82	Tab. Ferrous Fumarate And Folic Acid B.P			
83	Tab. Amoxicillin			

84	Inj. Diazepam			
85	Tab Ferrous Salt + Folic Acid			
86	Inj. zaftrox			
87	Syp. Zynq 60ml (Syp. Zinc Sulphate 20mg/5ml 60ml)			
88	Inj. Paracetamol +Lignocaine 300mg+20mg/2ml			
89	Inf. Unisol NS 1000ml (Inf. Normal Saline 1000ml)			
90	Tab. IFAS ( Fefan ) ferrous fumarate + folic acid A			
91	Inf. Dextrose + Saline 0.9% 1000ml			
92	Tab. Salbutamol (Zaftolin) Donation by MS 2mg			
93	Nebulization Solution Salbutamol 5mg/ml			
94	Inj. gentamycin 40mg			
95	Syr. Paracetamol 120mg/5ml			
96	Bandage 5cm			
97	Cap. Tramorhage (250mg)			
98	Cicatrín (20gm)			
99	Cotton Wool			
100	Tab. GEN-LEVO 250MG			
101	Inj. Hy-Cortisone (100mg)			
102	Inj. Valron (75mg)			
103	PAK-FENIC			
104	Surgical Cotton Bandage BP 15cm Type 2			
105	Syp. Brethin (60ml)			
106	Tab. Atenolol			
107	Tab. PLASMOCIDE (40+240)			
108	Tab. Acylish (100mg)			
109	Tab. Avil (25mg)			
110	Tab. Folic Acid (5mg)			
111	Tab. Gluconormet (500mg)			
112	Tab. Glucophage (250mg)			
113	Tab. Kanadex			
114	Tab. Kapcin (400mg)			
115	Tab. Paspá (40mg)			
116	Tab. Prevent (500mg)			
117	Tab. Protect (80mg)			
118	Tab. Vitcom			
119	Tab. Acelish 100 mg			
120	Zinc oxide Adhesive Paper 7.5cmx5m			
121	Tab. Aspirin Soluble 300mg			
122	Tab. Ibuprofen 400mg			

123	Tab. Mefenamic Acid 250 mg			
124	Susp. Metronidazole 321.6mg/5ml, 90ml			
125	Nimkol ( ORS )			
126	Tab. Chloroquine (phosphate or sulfate) 250 mg			
127	Ferrous Sulphate			
128	Magnesium Sulphate 2ml			
129	Vitamin K			
130	Inj. Oxytocin 5 IU in 1 ml			
131	Povidone iodine 10%			
132	Medroxyprogesterone 150mg/1ml			
133	Combined Oral Contraceptives Pills			
134	Sodium Hypochlorite 28% (0.5%)5 L			
135	Sodium Hypochlorite 28% (0.5%) 1 L			
136	Tab. Hydralazine			
137	Tab.CO-Packed ORS & Zinc Dispersible			
138	Dispersible Amoxil 250mg			
139	Ferous Sulphate+Folic Acid			
140	Tab. Folic acid 5mg			
141	Magnesium Sulphate 10ml			
142	Chlorhexidine Gel			



## ANNEX-61: FIELD VISIT DETAILED SCORING SHEET – SINDH

S. No.	Date	District	Stakeholder	IT Hardware Support												Human Resource		
				Desktop		Laptop		Tablet / Smart Phone		Printer		Power Back Up Generator / UPS		Internet Service		HLMIS Operator(s) Available	Focal Person/ Supervisor	monitors HLMIS
				Yes / No	Functional / Non Functional	Yes / No	Functional / Non Functional	Yes / No	Functional / Non Functional	Yes / No	Functional / Non Functional	Yes / No	Functional / Non Functional	Yes / No	Functional / Non Functional	Yes / No	Yes / No	Yes / No
1	11-Feb-20	Umerkot	DOH	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1
2	12-Feb-20	Tharparkar	DOH	1	1	0	0	0	0	1	1	1	1	1	1	1	0	0
3	12-Feb-20	Sh. Benazirabad	DOH	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
4	12-Feb-20	Jamshoro	DOH	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
5	12-Feb-20	Tnado Muhamma Khan	DOH	1	1	0	0	0	0	1	1	1	1	0	0	1	1	0
6	13-Feb-20	Matari	DOH	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
7	13-Feb-20	Dadu	DOH	1	1	0	0	0	0	1	1	0	0	0	0	1	1	0
8	13-Feb-20	Karachi Korangi	DOH	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1
9	17-Feb-20	Tando Allahyar	DOH	1	1	0	0	0	0	1	1	1	1	1	1	1	1	0
10	18-Feb-20	Karachi East	DOH	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
11	18-Feb-20	Shikarpur	DOH	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
12	18-Feb-20	Karachi West	DOH	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
13	18-19 Feb 2020	Karachi Central	DOH	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
14	19-Feb-20	Karachi South	DOH	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
15	19-Feb-20	Thatta	DOH	1	1	0	0	0	0	1	1	1	1	1	1	1	1	0
16	21-Feb-20	Sujawal	DOH	1	1	0	0	0	0	1	1	1	1	1	1	1	1	0
17	25-Feb-20	Naushehro Ferzoe	DOH	1	1	0	0	0	0	1	1	1	1	0	0	1	1	1
18	25-Feb-20	Sukkur	DOH	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
19	25-Feb-20	Qambar - Shahdadkot	DOH	1	1	0	0	0	0	1	1	1	1	1	1	1	1	0
20	26-Feb-20	Sanghar	DOH	1	1	0	0	0	0	1	1	1	1	0	0	1	1	1
21	26-Feb-20	Kashmore	DOH	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
22	26-Feb-20	Khairpur	DOH	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
23	27-Feb-20	Jacobabad	DOH	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
24	28-Feb-20	Badin	DOH	1	1	0	0	0	0	1	1	1	1	1	0	1	1	0
25	4-Mar-20	Hyderabad	DOH	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1
26	10-Mar-20	Karachi Malir	DOH	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1
27	12-Mar-20	Mirpurkhas	DOH	1	1	0	0	0	0	1	1	1	F	1	1	1	1	1
28	17-Mar-20	Ghotki	DOH	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1
29	18-Mar-20	Larkana	DOH	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1
Yes				29	29	3	3	3	3	29	29	28	27	25	24	29	28	21
No				0	0	26	26	26	26	0	0	1	1	4	5	0	1	8
Total				29	29	29	29	29	29	29	29	29	29	29	29	29	29	29

S. N o.	Date	District	Stakeholder	Training Status			HLMIS Operator's Skills											
				Inventory Management	Monthly Consumption Reporting Format	HLMIS Analytics / Reports	Can login into the system independently			Can enter inventory / consumption data & view reports independently			Can independently validate data from the stock registers			Knows the HLMIS support mechanism		
				Yes / No	Yes / No	Yes / No	Satisfactory (Yes / No)	Need Support (Yes / No)	On Job Training Provided	Satisfactory (Yes / No)	Need Support (Yes / No)	On Job Training Provided	Satisfactory (Yes / No)	Need Support (Yes / No)	On Job Training Provided	Satisfactory (Yes / No)	Need Support (Yes / No)	On Job Training Provided
1	11-Feb-20	Umerkot	DOH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	12-Feb-20	Tharparkar	DOH	1	1	1	0	1	1	0	1	1	0	1	1	1	1	1
3	12-Feb-20	Sh. Benazirabad	DOH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	12-Feb-20	Jamshoro	DOH	1	1	1	1	0	1	1	0	1	1	1	1	1	0	1
5	12-Feb-20	Tnado Muhamma Khan	DOH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	13-Feb-20	Matiari	DOH	1	1	1	1	0	1	1	0	1	1	1	1	1	0	1
7	13-Feb-20	Dadu	DOH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	13-Feb-20	Karachi Korangi	DOH	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
9	17-Feb-20	Tando Allahyar	DOH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	18-Feb-20	Karachi East	DOH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	18-Feb-20	Shikarpur	DOH	1	1	1	1	0	1	1	0	1	1	1	1	1	0	1
12	18-Feb-20	Karachi West	DOH	1	1	1	1	0	1	1	0	1	1	1	1	1	0	1
13	18-19 Feb 2020	Karachi Central	DOH	1	1	1	1	0	1	1	0	1	1	1	1	1	0	1
14	19-Feb-20	Karachi South	DOH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	19-Feb-20	Thatta	DOH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	21-Feb-20	Sujawal	DOH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	25-Feb-20	Naushehro Ferzoe	DOH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	25-Feb-20	Sukkur	DOH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	25-Feb-20	Qambar - Shahdadkot	DOH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	26-Feb-20	Sanghar	DOH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	26-Feb-20	Kashmore	DOH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	26-Feb-20	Khairpur	DOH	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
23	27-Feb-20	Jacobabad	DOH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	28-Feb-20	Badin	DOH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	4-Mar-20	Hyderabad	DOH	1	1	1	1	0	1	1	0	1	1	0	1	1	0	1
26	10-Mar-20	Karachi Malir	DOH	1	1	1	1	0	1	1	0	1	1	0	1	1	0	1
27	12-Mar-20	Mirpurkhas	DOH	1	1	1	1	0	1	1	0	1	1	0	1	1	0	1
28	17-Mar-20	Ghotki	DOH	1	1	1	1	0	1	1	0	1	1	0	1	1	0	1
29	18-Mar-20	Larkana	DOH	1	1	1	1	0	1	1	0	1	1	0	1	1	0	1
Yes				29	29	29	27	18	29	28	19	29	28	24	29	29	19	29
No				0	0	0	2	11	0	1	10	0	1	5	0	0	10	0
Total				29	29	29	29	29	29	29	29	29	29	29	29	29	29	29

#	Date	District	Stakeholder	Implementation & Use of HLMIS				Utilization of HLMIS Data by District Authorities		
				Is HLMIS implemented at district store?	Is inventory managed in real time in HLMIS?	Is HLMIS is used for issuance of printed vouchers to health facilities?	Is HLMIS data used for supply chain decision making?	Knows about HLMIS?	HLMIS formal orientation / training	Uses HLMIS data for supply chain decision making?
				Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
1	11-Feb-20	Umerkot	DOH	1	1	1	1	1	1	1
2	12-Feb-20	Tharparkar	DOH	1	1	0	0	1	0	0
3	12-Feb-20	Sh. Benazirabad	DOH	1	1	1	0	1	1	1
4	12-Feb-20	Jamshoro	DOH	1	1	1	0	1	0	1
5	12-Feb-20	Tnado Muhamma Khan	DOH	1	1	1	0	1	1	0
6	13-Feb-20	Matlari	DOH	1	1	1	0	1	0	1
7	13-Feb-20	Dadu	DOH	1	1	1	0	1	1	0
8	13-Feb-20	Karachi Korangi	DOH	1	1	1	0	1	1	0
9	17-Feb-20	Tando Allahyar	DOH	1	1	1	0	1	1	0
10	18-Feb-20	Karachi East	DOH	1	1	1	0	1	1	1
11	18-Feb-20	Shikarpur	DOH	1	1	1	0	1	0	1
12	18-Feb-20	Karachi West	DOH	1	1	1	0	1	0	0
13	18-19 Feb 2020	Karachi Central	DOH	1	1	1	0	1	0	0
14	19-Feb-20	Karachi South	DOH	1	1	1	0	1	1	1
15	19-Feb-20	Thatta	DOH	1	1	1	0	1	1	0
16	21-Feb-20	Sujawal	DOH	1	1	1	0	1	1	0
17	25-Feb-20	Naushehro Ferzoe	DOH	1	1	1	0	1	1	1
18	25-Feb-20	Sukkur	DOH	1	1	1	0	1	1	1
19	25-Feb-20	Qambar -Shahdadkot	DOH	1	1	0	0	1	1	0
20	26-Feb-20	Sanghar	DOH	1	1	1	0	1	1	1
21	26-Feb-20	Kashmore	DOH	1	1	1	0	1	1	1
22	26-Feb-20	Khairpur	DOH	1	1	0	0	1	0	0
23	27-Feb-20	Jacobabad	DOH	1	1	1	0	1	1	1
24	28-Feb-20	Badin	DOH	1	1	0	0	1	1	0
25	4-Mar-20	Hyderabad	DOH	1	1	1	1	1	0	1
26	10-Mar-20	Karachi Malir	DOH	1	1	1	1	1	0	1
27	12-Mar-20	Mirpurkhas	DOH	1	1	1	1	1	0	1
28	17-Mar-20	Ghotki	DOH	1	1	1	1	1	0	1
29	18-Mar-20	Larkana	DOH	1	1	1	1	1	0	1
Yes				29	29	25	6	29	17	17
No				0	0	4	23	0	12	12
Total				29	29	29	29	29	29	29

#	Date	District	Stakeholder	Storage Practices & Record Keeping										
				Is sufficient space available for storage of products?	Are best storage practices followed?	FEFO being followed for issuance?	Stock registers / bin cards available / displayed?	Stock register maintained / updated?	Bin cards maintained / updated?	Issue and receipt vouchers maintained / updated?	Stock register and physical stock matches?	Stock register and HLMI S stock matches?	HLMI S stock and physical stock matches?	Do supplies match with the quantities requisitioned by facilities?
				Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
1	11-Feb-20	Umerkot	DOH	1	1	1	1	1	1	1	1	1	1	1
2	12-Feb-20	Tharparkar	DOH	1	1	1	1	1	1	1	1	0	0	1
3	12-Feb-20	Sh. Benazirabad	DOH	1	1	1	1	1	1	1	1	1	1	1
4	12-Feb-20	Jamshoro	DOH	1	1	1	1	1	1	1	1	1	1	1
5	12-Feb-20	Tnado Muhamma Khan	DOH	0	0	1	0	0	1	1	1	1	1	0
6	13-Feb-20	Matari	DOH	1	1	1	1	1	1	1	1	1	1	1
7	13-Feb-20	Dadu	DOH	1	1	1	0	1	0	1	1	1	1	1
8	13-Feb-20	Karachi Korangi	DOH	1	1	1	1	1	1	1	1	1	1	1
9	17-Feb-20	Tando Allahyar	DOH	0	1	1	1	1	1	1	1	1	1	1
10	18-Feb-20	Karachi East	DOH	1	1	1	1	1	1	1	1	1	1	1
11	18-Feb-20	Shikarpur	DOH	1	1	1	1	1	1	1	1	1	1	1
12	18-Feb-20	Karachi West	DOH	1	1	1	1	1	1	1	1	1	1	1
13	18-19 Feb 2020	Karachi Central	DOH	1	1	1	1	1	1	1	1	1	1	1
14	19-Feb-20	Karachi South	DOH	1	1	1	1	1	1	1	1	1	1	1
15	19-Feb-20	Thatta	DOH	1	1	1	1	1	1	1	1	1	1	1
16	21-Feb-20	Sujawal	DOH	0	1	1	1	1	1	1	1	1	1	1
17	25-Feb-20	Naushehro Ferzoe	DOH	1	1	1	1	1	1	1	1	1	1	1
18	25-Feb-20	Sukkur	DOH	1	1	1	1	1	1	1	1	1	1	1
19	25-Feb-20	Qambar - Shahdadkot	DOH	0	0	0	0	0	0	1	1	1	1	1
20	26-Feb-20	Sanghar	DOH	1	1	1	1	1	1	1	1	1	1	1
21	26-Feb-20	Kashmore	DOH	1	1	1	1	1	1	1	1	1	1	1
22	26-Feb-20	Khairpur	DOH	1	1	1	1	1	1	0	1	1	1	1
23	27-Feb-20	Jacobabad	DOH	1	1	1	1	1	1	1	1	1	1	1
24	28-Feb-20	Badin	DOH	0	0	1	0	1	0	1	1	1	1	1
25	4-Mar-20	Hyderabad	DOH	1	1	1	1	1	1	1	1	1	1	1
26	10-Mar-20	Karachi Malir	DOH	1	1	1	1	1	1	1	1	1	1	1
27	12-Mar-20	Mirpurkhas	DOH	1	1	1	1	1	1	1	1	1	1	1
28	17-Mar-20	Ghotki	DOH	1	1	1	1	1	1	1	1	1	1	1
29	18-Mar-20	Larkana	DOH	1	1	1	1	1	1	1	1	1	1	1
Yes				24	26	28	25	27	26	28	29	28	28	28
No				5	3	1	4	2	3	1	0	1	1	1
Total				29	29	29	29	29	29	29	29	29	29	29

## ANNEX-62: MONITORING TEAM DETAILS – SINDH

Sr. No	Name	Designation	District
1	Dr. Tanweer Hussain	Supply Chain Team Lead, Sindh	Hyderabad
2	Dr. Mumtaz Ali	District Coordinator	Hyderabad
3	Tanzeb Ali Abro	Admin & Finance Officer	Hyderabad
4	Asif Ali Jatoi	Supply Chain Officer	Karachi
5	Tauseef Anwar Baig	Supply Chain Officer	Karachi
6	Yaqoob Leghari	Supply Chain Officer	Karachi
7	Yar Muhammad Khan	Supply Chain Officer	Hyderabad
8	Bansi Lal Malhi	Supply Chain Officer	Mirpurkhas
9	Altaf Ahmed	Supply Chain Officer	Ghotki
10	Dr. Yousif Sheikh	Supply Chain Officer	Larkana

## ANNEX-63: RECORD OF SINDH GOVERNMENT OFFICIALS INTERACTED

S. No.	Government Officials	Designation	District
1	Dr. AllahDad Rathore	District Health Officer	Umerkot
2	Dr. Hemji	DHIS Focal Person	
3	OM Parkash	Store Incharge	
4	Ramesh	Computer Operator	
5	Dr. Irshad Ahmed Memon	District Health Officer	Tharparkar
6	Dr. Chaino	ADHO	
7	Nehal chand	Store Incharge	
8	Qutab U Din	Computer Operator	
9	Dr. Moinuddin Shaikh	District Health Officer	Shaheed Benazirabad
10	Mr. Subhan Ali	Store Incharge	
11	Mr. Abdul Razzaq	Computer Personnel	
12	Dr. Mushtaque Ahmed Solangi	District Health Officer	Jamshoro
13	Dr. Shahida Memon	Focal Person	
14	Mr. Aashir	Pharmacist	
15	Wahid Bux	Store Incharge	
16	Zeeshan	Computer Personnel	
17	Dr. Yahiya Johejo	District Health Officer	Tando Muhammad Khan
18	Dr. Muhammad Yousuf Jaahejo	Field Supervisor / Medical Officer	
19	Dr. Sadique	DHIS Focal Person	
20	Mr Nizam	Computer Operator	
21	Fazal Karim	Store Keeper	
22	Dr. Ghulam Rasool Waswano	District Health Officer	Matiari
23	Dr. Ram	Focal Person	
24	Syed Shujat Ali Shah	Store Keeper	
25	Bahadur Ali	Computer Operator	
26	Dr. Zahid Dawich	District Health Officer	Dadu
27	Dr. Danish Junejo	DHIS Focal Person	
28	Mr. Asadullah Naich	Store Keeper	
29	Mr. Asif Ali Jamali	Computer Operator	
30	Dr. Noor Muhammad Shujra	District Health Officer	Karachi Korangi
31	Dr. Nusrat Jahan	WMO/DHIS Coordinator	
32	Asif Shabbir	Computer Operator	
33	Amir Shahzad	Store Keeper	
34	Dr. Lachman Das	District Health Officer	Tando Allahyar
35	Rizwan Arain	Store Keeper	
36	Faisal Patoli	Data Entry Operator	
37	Dr. Ashfaq	District Health Officer	Karachi East
38	M. Salahuddin	Store Keeper	
39	Moiz Ahmed	Computer Operator	
40	Dr. Shabir Sheikh	District Health Officer	Shikarpur
41	Dr. Salahuddin Sheikh	Assistant DHO	
42	Zahooruddin Khan	Store Incharge	
43	Rasikh Qadeer Bhutto	Computer Operator	
44	Dr. Shafique	District Health Officer	Karachi West



S. No.	Government Officials	Designation	District
45	Syed Muhammad Hassam	Computer Operator	Karachi Central
46	Qazi M. Iqbal	Store Keeper	
47	Dr. Farhat	District Health Officer	
48	Nadeem	Store Keeper	Karachi South
49	Raheel	Computer Operator	
50	Dr. Izhar Shah	District Health Officer	
51	Muhammad Khan	Store Incharge	Thatta
52	Nadeem Siidiqui	Computer Personnel	
53	Dr. Muhammad Haneef Memon	District Health Officer	
54	Dr. Khalid Qureshi	Focal Person	Sujawal
55	Habibullah Solangi	Store Keeper	
56	Maideen Khan	Computer Operator	
57	Dr. Jawaid Bhutto	District Health Officer	Naushahro Feroze
58	Dr. Faiz Ahmed	Focal Person	
59	Fazal Soomro	Store Keeper	
60	Nasir Memon	Computer Operator	Sukkur
61	Dr. Nisar Ahmed Abbasi	District Health Officer	
62	Zeeshan Hesbani	Store Keeper	
63	Faisal Bashir	Computer Operator	Qambar Shahdadkot
64	Dr. Muneer Ahmed Mangrio	District Health Officer	
65	Muhammad Kamran	Computer Operator	
66	Waseemullah	Dispenser	Sanghar
67	Mr. Ilmddin	Store Incharge	
68	Dr. Syed Abdul Rehman Shah	District Health Officer	
69	Bandh Ali	Store Incharge	Kashmore
70	Asadullah Hakro	Computer Operator	
71	Dr. Wishano Ram	District Health Officer	
72	Iqrar Shah	Store Keeper	Khairpur
73	Javed Iqbal	Computer Operator	
74	Dr. Nazeer Ahmed Awan	District Health Officer	
75	Inayatullah	Store Keeper	Jacobabad
76	Ashok Kumar	Computer Operator	
77	Dr. Hussain Abro	District Health Officer	
78	Abdul Malik	Static officer	Badin
79	HazoorBux	Store Keeper	
80	Parvaiz Ahmed Memon	Computer Operator	
81	Dr. Ahmed Bux	District Health Officer	Hyderabad
82	Abdul KhaliqSadhayo	Store Keeper	
83	Pervez Ahmed Jamali	Computer Operator	
84	Dr. Liaquat Qambrani	District Health Officer	Karachi Malir
85	Muhammad HashimZounr	Computer Operator	
86	Muhammad Hanif Soomro	Store Keeper	
87	Dr. Masood Ahmed	District Health Officer	Ghotki
88	Toufeeque Ahmed Noonari	Pharmacist	
89	Jawad Ahmed	Store Personnel	
90	Muhammad Waqas	Computer Operator	Ghotki
91	Dr. Ahmed Ali Memon	District Health Officer	
92	Dr. Sattar	Focal Person	
93	Shoaib Ahmed	Store Keeper	Ghotki
94	Naseer Ahmed	Medical Technician	
95	Dr. Ali Ashraf Kalwar	District Health Officer	
96	Dr. Altaf Ahmed Soomro	ADHO	Ghotki
97	Dr. Wahid Bux	Medical Officer	

S. No.	Government Officials	Designation	District
98	Miran Shah	Store Keeper	
99	Jameel Ahmed Soomro	Computer Operator	
100	Dr. Syed Athar Hussain Shah	District Health Officer	Larkana
101	Dr. Shoukat	Senior Medical Officer	
102	Aftab Ahmed Bughio	Store Personnel	
103	Muneer Hussain Shaikh	Computer Operator	

## ANNEX-64: FIELD VISIT DETAILED SCORING SHEET – PUNJAB

S. No.	Date	District	Stakeholder	IT Hardware Support												Human Resource		
				Desktop		Laptop		Tablet / Smart Phone		Printer		Power Back Up Generator / UPS		Internet Service		HLMIS Operator(s) Available	HLMIS District Supervisor Available	Does DFI Supervisor monitor HLMIS data entry?
				Yes / No	Functional / Non Functional Yes / No	Yes / No	Functional / Non Functional Yes / No	Yes / No	Functional / Non Functional Yes / No	Yes / No	Functional / Non Functional Yes / No	Yes / No	Yes / No	Functional / Non Functional Yes / No	Yes / No	Functional / Non Functional (Yes/No)	Yes / No	Functional / Non Functional Yes / No
1	21-Feb-20	Bahawalnagar	IRMNCH	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1
2	20-Feb-20	Bahawalnagar	DOH	1	1	0	0	0	0	1	1	0	0	1	1	1	1	1
3	11-Feb-20	DG Khan	DHA	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
4	11-Feb-20	DG Khan	IRMNCH	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
5	12-Feb-20	DG Khan	PHFMC	1	1	0	0	0	0	1	1	1	1	1	1	1	1	0
6	13-Feb-20	Muzaffargarh	IRMNCH	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
7	14-Feb-20	Muzaffargarh	DHA	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1
8	15-Feb-20	Pakpattan	IRMNCH	1	1	0	0	0	0	1	1	0	0	1	1	1	1	1
9	18-Feb-20	Pakpattan	PHFMC	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
10	19-Feb-20	Pakpattan	DHA	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
11	27-Feb-20	RY Khan	DOH	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
12	26-Feb-20	RY Khan	IRMNCH	1	1	0	0	0	0	1	1	1	1	0	0	1	1	1
13	26-Feb-20	RY Khan	PHFMC	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
Yes				9	9	0	0	0	0	9	9	8	8	9	9	13	13	12
No				4	4	13	13	13	13	4	4	5	5	4	4	0	0	1
Total				13	13	13	13	13	13	13	13	13	13	13	13	13	13	13

S. No.	Dates	District	Stakeholder	Training Status			HLMIS Operator's Skills											
				Inventory Management	Monthly Consumption Reporting Format	HLMIS Analytics / Reports	Can login into the system independently			Can enter inventory / consumption data & view reports independently			Can independently validate data from the stock registers			Knows the HLMIS support mechanism		
				Yes / No	Yes / No	Yes / No	Satisfactory Yes / No	Need Support (Yes / No)	On Job Training Provided (Yes / No)	Satisfactory (Yes / No)	Yes / No	Yes / No	Yes / No	Satisfactory (Yes / No)	Need Support (Yes / No)	On Job Training Provided	Satisfactory Yes / No	Yes / No
1	21-Feb-20	Bahawalnagar	IRMNCH	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1
2	20-Feb-20	Bahawalnagar	DOH	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1
3	11-Feb-20	DG Khan	DHA	1	1	1	1	1	1	1	0	1	1	0	1	0	1	1
4	11-Feb-20	DG Khan	IRMNCH	1	1	1	1	1	1	1	0	1	1	0	1	0	1	1
5	12-Feb-20	DG Khan	PHFMC	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1
6	13-Feb-20	Muzaffargarh	IRMNCH	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1
7	14-Feb-20	Muzaffargarh	DHA	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1

S. No.	Dates	District	Stakeholder	Training Status			HLMIS Operator's Skills											
				Inventory Management	Monthly Consumption Reporting Format	HLMIS Analytics / Reports	Can login into the system independently			Can enter inventory / consumption data & view reports independently			Can independently validate data from the stock registers			Knows the HLMIS support mechanism		
				Yes / No	Yes / No	Yes / No	Satisfactory Yes / No	Need Support (Yes / No)	On Job Training Provided (Yes / No)	Satisfactory (Yes / No)	Yes / No	Yes / No	Yes / No	Yes / No	Satisfactory (Yes / No)	Need Support (Yes / No)	On Job Training Provided	Satisfactory Yes / No
8	Feb-20	Pakpattan	IRM NCH	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1
9	18-Feb-20	Pakpattan	PHF MC	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1
10	19-Feb-20	Pakpattan	DHA	1	1	1	1	1	1	1	0	1	1	0	1	0	1	1
11	27-Feb-20	RY Khan	DOH	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1
12	26-Feb-20	RY Khan	IRM NCH	1	1	1	1	1	1	1	0	1	1	0	1	0	1	1
13	26-Feb-20	RY Khan	PHF MC	1	1	1	1	1	1	1	0	1	1	0	1	0	1	1
Yes				13	13	13	13	13	13	0	13	13	0	13	8	5	13	
No				0	0	0	0	0	0	13	0	0	13	0	5	8	0	
Total				13	13	13	13	13	13	13	13	13	13	13	13	13	13	13

Sr. No.	Dates	District	Stakeholder	Implementation & Use of HLMIS				Utilization of HLMIS Data by District Authorities		
				Is HLMIS implemented at district store?	Is inventory managed in real time in HLMIS?	Is HLMIS used for issuance of printed vouchers to health facilities?	Is HLMIS data used for supply chain decision making?	Knows about HLMIS?	HLMIS formal orientation / training	Uses HLMIS data for supply chain decision making?
				Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
1	21-Feb-20	Bahawalnagar	IRMNCH	1	1	1	1	1	1	1
2	20-Feb-20	Bahawalnagar	CEO (DOH)	1	1	1	1	1	1	1
3	11-Feb-20	DG Khan	DHA	1	1	1	1	1	1	1
4	11-Feb-20	DG Khan	IRMNCH	1	1	1	1	1	1	1
5	12-Feb-20	DG Khan	PHFMC	1	1	1	1	0	1	1
6	13-Feb-20	Muzaffargarh	IRMNCH	1	1	0	1	1	1	1
7	14-Feb-20	Muzaffargarh	DHA	1	1	1	1	1	1	1
8	15-Feb-20	Pakpattan	IRMNCH	1	1	1	1	1	1	1
9	18-Feb-20	Pakpattan	PHFMC	1	1	0	1	1	1	1
10	19-Feb-20	Pakpattan	DHA	1	1	0	1	1	1	1
11	27-Feb-20	RY Khan	DOH	1	1	1	1	1	1	1
12	26-Feb-20	RY Khan	IRMNCH	1	1	1	1	1	1	1
13	26-Feb-20	RY Khan	PHFMC	1	1	0	1	1	1	1
Yes				13	13	9	13	12	13	13
No				0	0	4	0	1	0	0
Total				13	13	13	13	13	13	13

S.r. No.	Dates	District	Stakeholder	Storage Practices & Record Keeping										
				Is sufficient space available for storage of products?	Are best storage practices followed?	FEFO being followed for issuance?	Stock registers / bin cards available / displayed?	Stock register maintained / updated?	Bin cards maintained / updated?	Issue and receipt vouchers maintained / updated?	Stock register and physical stock matches?	Stock register and HLMI S stock matches?	HLMI S stock and physical stock matches?	Do supplies match with the quantities requisitioned by facilities?
				Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
1	21-Feb-20	Bahawalnagar	IRMN CH	0	0	1	1	0	0	1	0	0	0	1
2	20-Feb-20	Bahawalnagar	DOH	1	0	1	1	1	1	1	0	0	0	1
3	11-Feb-20	DG Khan	DHA	1	0	1	1	1	1	1	1	1	1	1
4	11-Feb-20	DG Khan	IRMN CH	0	0	1	1	1	1	1	1	1	1	1
5	12-Feb-20	DG Khan	PHF MC	0	0	1	1	1	1	1	1	1	1	1
6	13-Feb-20	Muzaffargarh	IRMN CH	1	1	1	1	0	0	1	1	1	1	1
7	14-Feb-20	Muzaffargarh	DHA	0	1	1	1	1	1	1	1	1	1	1
8	15-Feb-20	Pakpattan	IRMN CH	0	0	1	0	1	0	1	1	1	1	1
9	18-Feb-20	Pakpattan	PHF MC	0	0	1	1	0	0	0	0	0	1	1
10	19-Feb-20	Pakpattan	DHA	0	0	1	1	1	1	1	1	1	1	1
11	27-Feb-20	RY Khan	DOH	0	0	1	0	1	0	1	1	1	1	1
12	26-Feb-20	RY Khan	IRMN CH	0	0	1	1	1	0	1	0	0	1	0
13	26-Feb-20	RY Khan	PHF MC	0	0	1	0	0	0	1	0	0	0	1
Yes				3	2	13	10	9	6	12	8	8	10	12
No				10	11	0	3	4	7	1	5	5	3	1
Total				13	13	13	13	13	13	13	13	13	13	13

## ANNEX-65: MONITORING TEAM DETAILS – PUNJAB

Sr.	Name	Designation	District
1	Dr. Amir Ud Din Chohan	Punjab Team Lead	Lahore
2	Mr. Syed Zeeshan Ali	Admin & Finance Officer	Lahore
3	Mr. Haris Khalid	Supply Chain Associate	Lahore
4	Mr. Hamza Ikhlaq	Supply Chain Officer	Rahimyarkhan
5	Mr. Abdul Qayyum	Supply Chain Officer	Pakpattan
6	Mr. Arsalan Ahmed	Supply Chain Officer	Bahawalnagar
7	Mr. Muhammad Shahid Kaleem	Supply Chain Officer	Muzaffargarh
8	Mr. Taimoor Rasheed	Supply Chain Officer	DG Khan



## ANNEX-66: LIST OF PUNJAB GOVERNMENT OFFICIALS INTERACTED

Sr. No.	Government Officials	Designation	District
1	Dr. Waheed Afsar Bajwa	DOH Preventive Services	Bahawalnagar
2	Mr. Rashid Saeed	Store Keeper	
3	Mr. Badar Munir	Computer Operator	
4	Dr. Khalid Hussain	District Coordinator IRMNCH	
5	Mr. Khurshid Mehmood Zafar	Account Supervisor	
6	Mr. Hammad Ashraf	Store Keeper / Computer Operator	
7	Dr. Saeed	DOH Medical officer	DG Khan
8	Mr. Asad Nadeem	Store Incharge	
9	Dr. Zohaib Hassan	District Coordinator IRMNCH&NP	
10	Mr. Ammir Taimoor	Store Incharge	
11	Mr. Atta Ullah	Assistant Manager Monitoring	
12	Mr. Sohail Ahmed	Store keeper	
13	Mr. Sami Ullah	Assistant Store keeper	Muzaffargarh
14	Dr. Kazim Khan	DOH Medicine & HR	
15	Mr. Jam Manzoor ul haq abid	Store Keeper	
16	Mr. Nurjis Batool	LMIS operator	
17	Dr. Shahid Riaz	District Coordinator IRMNCH	
18	Mr. Abid Hussain	Store Keeper	
19	Mr. Munnawar Javaid	Store Incharge	Pakpattan
20	Mr. Ahmad Yar	District Store Keeper	
21	Mr. Muhammad Touseef Ahmed	Data Entry Operator	
22	Dr. Riaz Ahmed/	District Coordinator IRMNCH&NP	
23	Mr. M. Farooq Ahmed	Computer Operator	
24	Mr. Muhammad Zahid Sabri	Assistant Manager Monitoring PHFMC	
25	Mr. Abid Ali	Store Keeper	Rahimyarkhan
26	Mr. Bilal Cheema	Procurement officer	
27	Mr. Aqib Touqeer	Computer Operator	
28	Mr. Iftekhar Rashid	Storekeeper	
29	Dr. Zubair Iqbal	District Coordinator IRMNCH&NP	
30	Mr. Rao Imran	Storekeeper and Computer Operator	
31	Mr. Rashid Mukhtar	Assistant Manager Monitoring	
32	Mr. M. Usman	Computer Operator	
33	Mr. Zubair	Storekeeper	

## ANNEX-67: LETTER SECOND TWG SINDH MEETING



DIRECTORATE GENERAL HEALTH SERVICES  
SINDH @ HYDERABAD

Phone # 022-9240106 Fax # 022-9240100

E-mail: [dghealthsindh@sindhhealth.pk](mailto:dghealthsindh@sindhhealth.pk)

No. DGHSS/ - (PH-Wing-Trg-(58-B)/-  
To,

7315 / 23

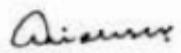
Dated 03-06-2020

- The Chief Executive Officer, PPHI Sindh, Karachi.
- The Executive Director, Integrated Health Services (IHS),
- The Managing Director, Indus Hospital Karachi.
- The Chief Executive, HANDS, Karachi
- The Regional Program Manager, MERF, Karachi.
- The Health Specialist, UNICEF, Karachi
- The Country Director, USAID Global Health Supply Chain Program, Islamabad.

SUBJECT: - MEETING OF TECHNICAL WORKING GROUP ON HLMIS.

It is to inform that "Online Technical Working Group meeting on HLMIs" has been scheduled on 04-06-2020 at 03-00 pm at Directorate General Health Services Sindh Hyderabad under the chairmanship of the undersigned.

You are advised to make it convenient to attend online subjected meeting on stipulated date and time positively.

  
✓DIRECTOR GENERAL  
HEALTH SERVICES SINDH AT  
HYDERABAD

Copy forwarded for information:

- The Secretary, Government of Sindh, Health Department Karachi.
- Dr. Tanveer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project Karachi

## ANNEX-68: MEETING MINUTES- SECOND HLMISTWG MEETING IN SINDH



DIRECTORATE GENERAL HEALTH SERVICES  
SINDH @ HYDERABAD

Phone # 022-9240106 Fax # 022-9240100

E-mail: [dghealthsindh@sindhhealth.pk](mailto:dghealthsindh@sindhhealth.pk)

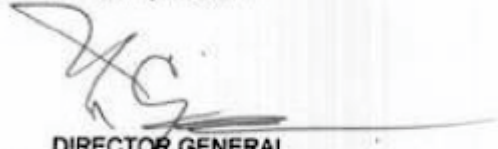
No. DGHSS/ - (PH-Wing-Trg-(58-B))- 7429/37 Dated 10-06-2020  
To,

- The Chief Executive Officer, PPHI Sindh, Karachi.
- The Executive Director, Integrated Health Services (IHS),
- The Managing Director, Indus Hospital Karachi.
- The Chief Executive, HANDS, Karachi
- The Regional Program Manager, MERF, Karachi.
- The Health Specialist, UNICEF, Karachi
- The Country Director, USAID Global Health Supply Chain Program, Islamabad.

SUBJECT: - MEETING OF TECHNICAL WORKING GROUP ON HLMIS.

Reference:- This office letter No. DGHSS/ - (PH-Wing-Trg-(58-B))- 7315/23 dated 03-06-2020

Enclosed find herewith Minutes of meeting "Online Technical Working Group meeting on HLMIs" held on 04-06-2020 at 03-00 pm at Directorate General Health Services Sindh Hyderabad for your information and necessary action.

  
DIRECTOR GENERAL  
HEALTH SERVICES SINDH AT  
HYDERABAD

Copy forwarded for information:

- The Secretary, Government of Sindh, Health Department Karachi.
- Dr. Tanveer Hussain, Supply Chain Team Lead, UNICEF HLMIS Project Karachi

**Health Logistic Management Information System**  
**Minutes of Sindh Technical Working Group Meeting**

**Date:** June 4<sup>th</sup>, 2020

**Venue:** Office of DG Health, Hyderabad (Participants joined from different stations vis Zoon, due to COVID-19 situation)

**Chaired:** Dr. Irshad Ali Memon, Director General Health Services, Sindh

**Objective:**

- To share HLMIS development process and status with New DG Health
- To receive feedback from end users on usage of HLMIS software/Challenges/issues
- To discuss way forward and plan for upscale from district to facility level
- To discuss monitoring and supervision and monthly reporting mechanism
- To deliberate on HLMIS analytics and dashboards

**Participants:**

1. Dr. Irshad Ali Memon, DG Health Sindh
2. Dr. Murtaza Memon, Provincial Focal point for DHIS and LHMIS
3. Dr. Muhaminad Tariq, Country Director, Chemonics International
4. Dr. Syed Kamal Asghar, Health Specialist, UNICEF Sindh
5. Ms. Ambreen Khan, Chemonics International
6. Mr. Ijaz Haider Malik, Chemonics International
7. Mr. Nabeel Malik, Chemonics International
8. Mr. Adam Malik, Medical Emergency Resilience Foundation (MERF)
9. Dr. Rasheed Shaikh, Integrated Health Services (IHS)
10. Mr. Zeeshan Shahid, Integrated Health Services (IHS)
11. Dr. Zaib Dhar, People's Primary Healthcare Initiative, (PPHI) Sindh

**Proceedings:**

- In his opening remarks, DG Health, thanked all the participants for attending the meeting despite difficult circumstances, we are passing through. He also thanked UNICEF and Chemonics International for supporting Department of Health in developing and implementation of HLMIS in Sindh province. He assured that with establishment of HLMIS, the logistics procurement, inventory, forecasting and quantification of essential supplies will be done and maintained in a more structured manner. He also suggested that HLMIS may be used for largest prospect





- Dr. Tariq and Chemonics International team gave a presentation (attached as Annex) covering background of HLMIS project, the process of development of software, development and forecasting of vEML for five years for Sindh and reporting status. Team also presented proposed new reports and dashboards of the HLMIS, that would enable managers at district and provincial level to monitor the stocks situation at district and facility warehouse. The participants agreed on the inclusion of new reports in the software and HLMIS MIS team to automate accordingly.
- Dr. Tariq recommended an establishment of a Sindh Health IT Board / IT section or automation section in DG health office with 3-5 resources and minimum IT Infrastructure. UNICEF and other developmental partners can support for this. In this way Health Information Systems for province can ensure sustainability and self-reliance
- Dr Kamal Asghar, shared the UNICEF support for the project through BMGF funding and thanked the department of health for continuous support during the whole process. He also shared plans for DHIS2 in Sindh.
- DG Sindh has requested Chemonics to extend HLMIS implementation to DHQs, THQs and Civil Hospitals in all districts of Sindh. The department will share the nominations for relevant staff to be trained on the system.
- Chemonics team requested the department for nominations of staff to be trained on HLMIS support for sustainability purposes.
- Reference to the DGHS Sindh letter No. DGHSS/DHIS/1498/1502 dated 24 Feb 2020 for migration of LHW/MNCH/DHIS systems from international cloud to the G-cloud, Chemonics team apprised about the long-awaited issue of interfacing. DOH Sindh and Chemonics teams are jointly working on finalization of modalities with pace-tech.
- Dr Rasheed (IHS) and Mr Adam (MERF) shared that their team are very much satisfied with using HLMIS and the system is helpful in procurement and stock maintenance. They are well linked with Chemonics and whenever any support is required, it is extended timely. Mr Adam also shared that he will look into issue of reduced reporting in recent months and will make ensure 100% reporting compliance.
- Dr Zaib Dhar (PPHI) requested the credentials of HLMIS so they can have access of analytics, as their system is already linked with HLMIS
- It was agreed that UNICEF will support DoH for hiring of 6 divisional based Supply Chain Coordinator for supportive supervision for 6 months as per approved ToRs and capacity building of facility-based staff on HLMIS

**Action Points:** After a detailed discussion, following **action points** were agreed upon-

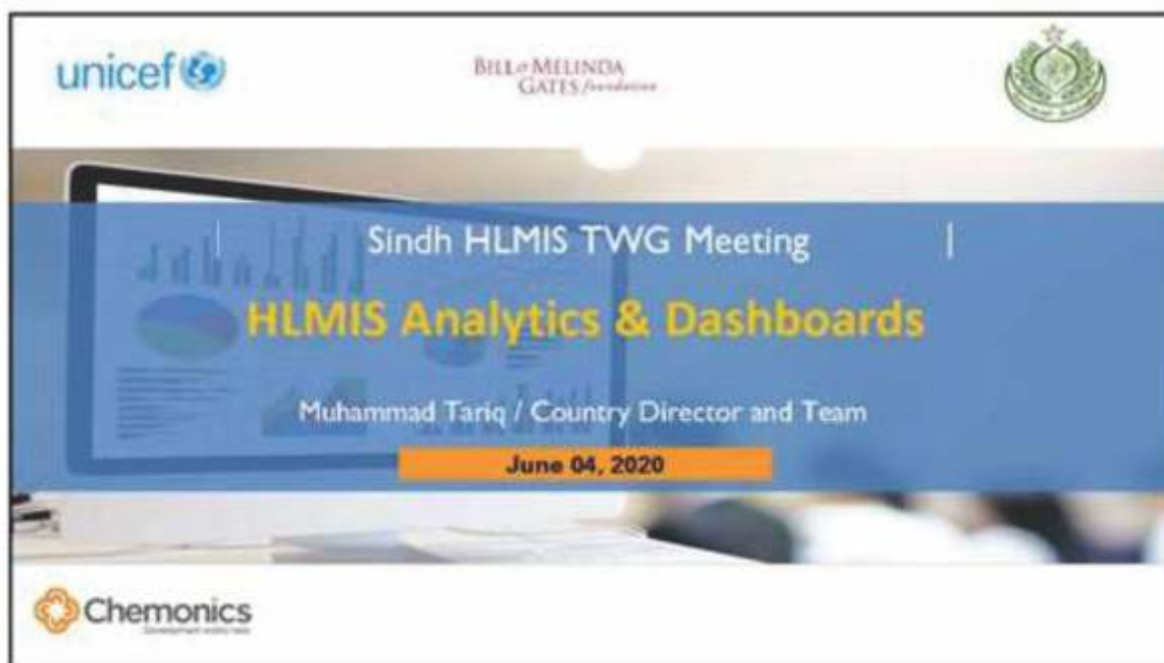
Action	Responsibility	When
Letter to Districts to improve the reporting compliance	DG Health Office	Third week of June
Letter to HANDS for giving access for interfacing with HLMIS	DG Health Office	Third week of June

On approval from competent authority, a concept note on establishment of IT section in DG Office	DG Health Office, UNICEF & Chemonics Int.	On approval
Access to HLMIS Dashboard to PPHI	Chemonics Int.	Third week of June
Hiring of 6 divisional based Supply Chain Coordinators for supportive supervision	DG Health Office	July
Planning/budgeting and nomination from HFs/districts for HLMIS Trainings (refreshers, support help desk, DHQ, THQ and Civil Hospital)	DG health office	Third week of June
Joint meeting of DOH Sindh, Chemonics and pace-tech on interfacing of LHW-MIS, MNCH MIS and DHIS with LMIS	DG Health Office, Chemonics Int. and pace-tech	June

**Concluding Remarks:** In his concluding remarks, DG health was very appreciative of the efforts of UNICEF and Chemonics International Inc. in smooth implementation of the HLMIS system in the province. He thanked again UNICEF for extending support for Supply Chain Coordinators for supportive supervision and capacity building of health facility staff which will help in upscaling of the HLMIS from district to facilities.



## Annex: Chemonics Presentation



1

### TWG Objectives

- Prayer for COVID affectees
- Apprise you of background and where we are
- UNICEF kindly approved NOC extension but agenda is not finished
- UNICEF HR support for districts
- Capacity building of District staff on FASP for MNCH
- DGHS request of integrating THQ hospitals and follow up
- Status of HLMIS ownership and needs of actions
- Any other business

USAID GLOBAL HEALTH SUPPLY CHAIN PROGRAM-Procurement and Supply Management

2

### Sustainable investment to achieve GAPDO 2023 goals

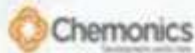
All Students of Grade 110



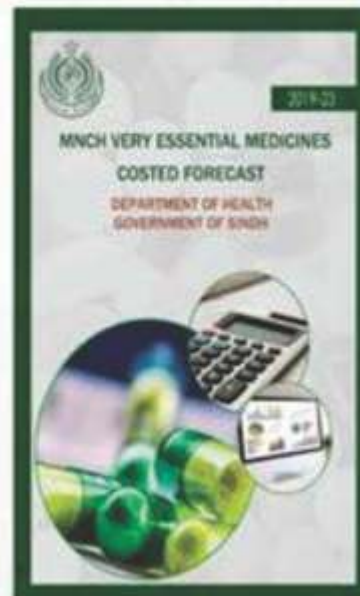
#	Activity	Date
1	Request for Proposal	September 3, 2018
2	Proposal Submission	September 21, 2018
3	Contract Award	December 31, 2018
4	Contract Signed	March 4, 2019
5	LOP	May 2019 – July 2020



Integrated MNCH VEPIL HIS



3



## Situation Analysis – Interfacing status

Public Sector System	Interface	Private Sector System	Interface	Facilities
MNCH MIS	X	PPHI – ERP	✓	1276
LHW MIS	X	MERF MIS	✓	13
DHIS	X	IHS MIS	✓	111
LMIS (c & v)	✓	Hands	X	-

5

## Situation Analysis

### Health Logistics Management Information System- Sindh ([www.lmis.gov.pk](http://www.lmis.gov.pk))

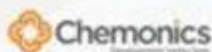


6

## Key Points

### HLMIS

- Ensure Reporting Compliance at District Stores & Health Facilities
- Interfacing Public Systems (MNCH, LHW, DHIS) & Private Sector Hands
  - Engage Pacetech for applications migration to Government data center
- Enhancements in system - Analytics



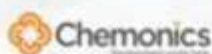
### Public Hospitals

- Master trainers and trainee nominations with contact details (DOH Sindh to share)
- Like Punjab and KP, establishment of Sindh Health IT Board with 3-5 resources and minimum IT Infrastructure (UNICEF to support) to deploy Health Information Systems for sustainability and self reliance



7

## Proposed Enhancements in HLMIS System



8

## Control Tower – Machine Learning

**Filter by**

Stakeholder:  Province:  District:  Store/Facility:

Start Date:  End Date:  Product:

☐ Previous Reported Month
 ☐ Last Reported Month
 ☐ Projected Months

Type	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020	Nov 2020
Opening Balance	5	5	5	5	5	5	5	5	5	5	5
Stock Received	5	5	5	5	5	5	5	5	5	5	5
Adjusted Positive	5	5	5	5	5	5	5	5	5	5	5
<b>Total Stock</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>
Issue/Consumption	5	5	5	5	5	5	5	5	5	5	5
Adjusted Negative	5	5	5	5	5	5	5	5	5	5	5
<b>Available Stock</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>
AMC	5	5	5	5	5	5	5	5	5	5	5
MOI	5	5	5	5	5	5	5	5	5	5	5
CTP	5	5	5	5	5	5	5	5	5	5	5

9

## District Stock Sufficiency Report

**Filter by**

Month:  Year:  Stakeholder:  Province:  District:

☐ ☐ ☐

S.No	District	LP Mow				Tab Colport Miling				Tab Zentel 200mg				Iq. Amkay				Avarazine G 100 gm				Tab. Zomperstone				St. Sh. M
		Dist. Stock MOS	Field MOS	Total MOS	Remarks	Dist. Stock MOS	Field MOS	Total MOS	Remarks	Dist. Stock MOS	Field MOS	Total MOS	Remarks	Dist. Stock MOS	Field MOS	Total MOS	Remarks	Dist. Stock MOS	Field MOS	Total MOS	Remarks					
1		1000	1000	1000		1000	1000	1000		1000	1000	1000		1000	1000	1000		1000	1000	1000						

10



## District Reporting Compliance



11

## Health Facilities Compliance

### SDP Wise Compliance Report

Filter by

Ending Month: January Year: 2020 Stakeholder: DOH (Static HF) Province: District:

Compliance Report SDP Wise -

Health Facility	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Jan 2020
1. Army Camp												
2. BHJ - 340518												
3. BHJ - 340544												
4. BHJ - 340525												
5. BHJ - 340509												

12





13



14

## ANNEX-69: MEETING MINUTES-THIRD HLMISTWG MEETING IN PUNJAB



**DIRECTORATE GENERAL HEALTH SERVICES PUNJAB**  
**24-COOPER ROAD, LAHORE**  
Ph No 042-99201139-40, Fax No 042-99201142

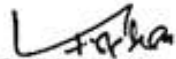
No. 1228-42 /PA/DGHS  
Date: Lahore, 17<sup>th</sup> July, 2020

Dear All,  
(List attached)

**Subject: MINUTES OF MEETING OF THIRD HLMIS TECHNICAL WORKING GROUP**

The third meeting of technical working group (TWG) was held at o/o DGHS, Punjab virtually on dated June 25<sup>th</sup>, 2020.

Minutes of the meeting are attached for your information.

  
**DIRECTOR GENERAL HEALTH SERVICES,**  
**PUNJAB**

C.C.

1. Secretary, P&SHD, Punjab
2. Program Director, IRMNCH Punjab, Lahore
3. Director MIS, DGHS Office, Punjab, Lahore
4. CEO PHFMC, Punjab
5. CEOs (H) Muzaffargarh, Rahim Yar Khan, DG Khan, Bahawalnagar & Pakpattan.
6. Dr. Muhammad Tariq, Country Director, USAID GHSC - PSM Project.
7. Dr. Syeda Zahida Sarwar, Advisor Hep C, USAID GHSC - PSM Project.
8. Dr. Naeem Majeed, Consultant, BMGF
9. Dr. Amir Ud Din Chohan, Team Lead Punjab, DAPPAK, Path Finder
10. All Members.

## Minutes of Third Technical Working Group (Virtual) Meeting

### UNICEF Health Logistics Management Information System (HLMIS) Project

#### Strengthening Maternal, Neonatal, and Child Health (MNCH) Supply Chain in Sindh & Punjab

Virtual: Microsoft Teams  
Tuesday, June 25, 2020

#### Background & Introduction

Chemonics International Inc. through UNICEF funding had been awarded a one-year project for supply chain system strengthening of Maternal, Neonatal and Child Health (MNCH) for bringing visibility to MNCH Very Essential Medicine (VEMs) through HLMIS Project with focus on diarrhea and pneumonia products.

A HLMIS Technical Working Group was notified by DGHS Punjab to oversee the progress made on the implementation of agreed design and recommendations for effective supply chain management of MNCH products. The 2nd meeting of TWG was held on 26<sup>th</sup> November, 2019, at the Conference Room, DGHS office. The meeting aimed to review the progress made towards HLMIS development, interfacing with information systems and its deployment. In concurrence with the plan, UNICEF was supposed to hand over the systems to the government at the conclusion however a no-cost extension has been granted till July 31<sup>st</sup>, 2020.

Owing to the COVID19 emergency, the third meeting of TWG was held virtually on June 25, 2020, to review the progress on decision made during previous meetings and technology transfer to Government of Punjab as final handing over of HLMIS Plan.

#### Meeting Proceedings

The meeting started with recitation of Holy Quran followed by brief introduction of the participants. Dr. Muhammad Tariq, gave a brief presentation and HLMIS journey and unfinished agenda on scale and interfacing. He also apprised on the latest developments and hand over plan as the project stand close to its completion.

Taking on stock of the previous meeting decisions, a brief discussion session was held on the deployment of HLMIS at Government of Punjab data center, interfacing of the Medicine Inventory Management System developed and implemented by Health Information & Service Delivery Unit (HISDU), Punjab.

#### Action Points:

Following are the action points of the meeting:

9. HLMIS is being implemented at provincial warehouses, Medical Store Depot, Punjab and will continue.
10. MIMS is being implemented at District warehouses and Health facility and will continue.
11. HLMIS currently deployed at NTC and managed by Chemonics team, will be deployed at HISDU data center and will be managed by HISDU team.
12. HLMIS and MIMS will be interfaced to curtail level of effort at the user end and strengthen decision making at provincial and district level.
13. A formal handing over ceremony will be organized between Chemonics and PSMD, Govt. of Punjab

#### List of Participants:

#	Name	Designation	Organization
1	Dr. Suhail Ahmed	DHS-MIS	Health Department, Punjab
2	Dr. Akhtar Rasheed	Senior Advisor FP & Nutrition	MDU, P&SHD
3	Dr. Muhammad Tariq	Country Director	Chemonics International Inc.
4	Mr. Ahmar Khan	Project Director	HISDU, P&SHD
5	Dr. Khurram Mubeen	Deputy Director	IRMNCH, P&SHD
6	Mr. Muhammad Farooq	Program Officer MIS Cell	Health Department, Punjab
7	Dr. Rana Mushtaq	Health Specialist	UNICEF, Punjab
8	Ms. Nadia Kiran	In-charge MIS, IRMNCH & NP	Health Department, Punjab
9	Mr. Mudassar Khan	AO, MSD	Health Department, Punjab
10	Dr. Naeem Majeed	Consultant	BMGF
11	Dr. Amir Ud Din Chohan	Team Lead Punjab	DAFPAK, Path Finder
12	Dr. Yahya	WHO	WHO
13	Mr. Nabeel Ahmed Maqbool	Director VPID	Chemonics International Inc.
14	Ms. Ambreen Khan	Director BHS	Chemonics International Inc.
15	Mr. Ijaz Haider Malik	Director MIS	Chemonics International Inc.

# ANNEX-70: DGHS SINDH NOMINATION LETTER FOR REFRESHER AND NEW DASHBOARDS



**DIRECTORATE GENERAL**  
HEALTH SERVICES SINDH HYDERABAD  
Phone No. 022-9240101 Fax No. 022-9040100  
Email: dghealthsindh@sindhhealth.pk

No. DGHS/HLMIS/Trng/ 2967/72  
To,

Dated: 02 July 2020

**The Country Director,**  
Chemonics International, Inc.  
Islamabad.

**SUBJECT: DESIGN AND IMPLEMENTATION HLMIS IN PUBLIC SECTOR HOSPITAL/ TRAINING NOMINATIONS FOR NEW DASHBOARDS AND REFRESHER.**

**Reference:** 1. Letter No. DGHS/ (PH.Wing – 58-B)/71 68/72 dated: 15-05-2020  
2. Letter No. Nil, Issued by Chemonics International, Inc. dated: 18-05-2020

In continuation of letter quoted above, below staff are hereby nominated for training on new dashboards and refreshers. Nominations include already trained HLMIS Master Trainers and some other related Officers /officials. Trained staff will later be conducting trainings at DHQ, THQ and Civil Hospitals and district level staff on Health Logistics Management Information System (HLMIS).

Name	Designation	Email Address	Contact No.
Mr. Moosa Qazi	Assistant Director (HE)	qazi61@gmail.com	0334-3012106
Dr. Ghulam Murtaza	Epidemiologist	murtazamemon@hotmail.com	0335-2624567
Shahnawaz Memon	Computer Operator	Shahnawaz.memon3@gmail.com	0314-3850492
Imran Aziz	Computer Operator	i.uddin74@gmail.com	-
Dr. Toufeeque Noonari	Pharmacist	Doctortofiq74@gmail.com	0346-3862335
Dr. Aijaz Memon	DHIS Coordinator	Doctoralijazali197417@gmail.com	0302-2864978
Dr. Dilbar Mari	DHIS Coordinator	Dilbarkhanmari12@gmail.com	0333-2336815
Muhammad Yaqoob	SC Coordinator	mylaghari@gmail.com	0333-2521231
Tanzeb Ali	SC Coordinator	tanzebaa@gmail.com	0334-5000252
Yar Muhammad Khan	SC Coordinator	khuhawarasfand@hotmail.com	0331-237799
Bansi Lal Malhi	SC Coordinator	bansimalhi@gmail.com	0333-2513302
Altaf Ahmed	SC Coordinator	altafqujar@yahoo.com	0332-3966385
Dr. Yousif Sheikh	SC Coordinator	yousif7860@yahoo.com	0344- 3900002

This is for your information and necessary actions and thank you for your response and support.

*[Signature]*  
**Director General**  
Health Services Sindh.

Copy forwarded for information:

- The Secretary, Government of Sindh, Health Department Karachi.
- The PS to Minister Health and Population Welfare Department, Sindh Karachi
- Dr. Ayaz Hussain Soomro, Health Specialist, UNICEF Karachi.
- Dr. Kamal Asghar, Health Specialist, UNICEF Karachi.
- Dr. Tanweer Hussain, Chemonics International Inc, Hyderabad





DIRECTORATE GENERAL  
HEALTH SERVICES SINDH HYDERABAD  
Phone No. 022-9240101 Fax No. 022-9040100  
Email: dghealthsindh@sindhhealth.pk

No. DGHSS /HLMIS/Trng/ 58-01/8158/70

Dated: 9<sup>th</sup> July 2020

To,

**All Participants**  
(List Attached)

**SUBJECT: DESIGN AND IMPLEMENTATION HLMIS IN PUBLIC SECTOR  
HOSPITAL TRAININGS FOR NEW DASHBOARDS, REFRESHER,  
QUANTIFICATION AND HELP DESK.**

In continuation to this office letter No. DGHSS/HLMIS/Trng/ 2967/72 and DGHSS/HLMIS/Trng/ 2961/66 dated: 02 July 2020, you are hereby directed to attend the subjected training to be held on 11th July 2020 online from 11:00AM – 2:00 PM on team App.

  
**DIRECTOR GENERAL**  
**HEALTH SERVICES SINDH AT HYDERABAD**

Copy forwarded for information:

- The Secretary, Government of Sindh, Health Department Karachi.
- The PS to Minister Health and Population Welfare Department, Sindh Karachi
- The District Health Officer, Malir, Hyderabad, Jamshoro, Mirpurkhas, Larkana, Ghotki
- Dr. Muhammad Tariq, Country Director, Chemonics International Inc. Islamabad
- Dr. Ayaz Hussain Soomro, Health Specialist, UNICEF Karachi.
- Dr. Kamal Asghar, Health Specialist, UNICEF Karachi.
- Dr. Tanweer Hussain, Chemonics International Inc. Hyderabad

# HLMIS

## WMS Implementation at Public Hospitals

### AGENDA

Venue: Remote (MS Team)  
 July 11, 2020

Time	Session	Facilitator
11:00AM	Introduction of Participants	UNICEF HLMIS Project
11:05AM	Opening Remarks	Chairperson
11:10AM	Inventory Management Concepts	UNICEF HLMIS Project (MIS Team)
11:30AM	Warehouse Management Concepts	UNICEF HLMIS Project (MIS Team)
11:45AM	Configuration Management (Product, Manufacturer, Batch Management)	UNICEF HLMIS Project (MIS Team)
12:00 PM	Stock Receive	UNICEF HLMIS Project (MIS Team)
12:30 PM	Stock Issue	UNICEF HLMIS Project (MIS Team)
01:00 PM	Stock Adjustment	UNICEF HLMIS Project (MIS Team)



**LIST OF PARTICIPANTS:**

Name	Designation	Email Address	Contact No.
Dr. Ghulam Murtaza	Epidemiologist	<a href="mailto:murtazamemon@hotmail.com">murtazamemon@hotmail.com</a>	0335-2624567
Shahnawaz Memon	Computer Operator	<a href="mailto:Shahnawaz.memon3@gmail.com">Shahnawaz.memon3@gmail.com</a>	0314-3850492
Imran Aziz	Computer Operator	<a href="mailto:i.uddin74@gmail.com">i.uddin74@gmail.com</a>	-
Dr. Toufeeque Noonari	Pharmacist	<a href="mailto:Doctortofiq74@gmail.com">Doctortofiq74@gmail.com</a>	0346-3862335
Dr. Aijaz Memon	DHIS Coordinator	<a href="mailto:Doctoraijazali197417@gmail.com">Doctoraijazali197417@gmail.com</a>	0302-2864978
Dr. Dilbar Mari	DHIS Coordinator	<a href="mailto:Dilbarkhanmari12@gmail.com">Dilbarkhanmari12@gmail.com</a>	0333-2336815
Muhammad Yaqoob	SC Coordinator	<a href="mailto:mylaghari@gmail.com">mylaghari@gmail.com</a>	0333-2521231
Tanzeb Ali	SC Coordinator	<a href="mailto:tanzebaa@gmail.com">tanzebaa@gmail.com</a>	0334-5000252
Yar Muhammad Khan	SC Coordinator	<a href="mailto:khuhawarasfand@hotmail.com">khuhawarasfand@hotmail.com</a>	0331-237799
Bansi Lal Malhi	SC Coordinator	<a href="mailto:bansimalhi@gmail.com">bansimalhi@gmail.com</a>	0333-2513302
Altaf Ahmed	SC Coordinator	<a href="mailto:altafgujar@yahoo.com">altafgujar@yahoo.com</a>	0332-3966385
Dr. Yousif Sheikh	SC Coordinator	<a href="mailto:yousif7860@yahoo.com">yousif7860@yahoo.com</a>	0344- 3900002

**NOTES FOR JOINING MEETING:**

1. Mobile users , please download MS Team from Play store at least 1 hour earlier than start of Meeting
2. For Web Browser user, preferred browser is Microsoft Edge or Chrome. Click on below "Join Microsoft Teams Meeting" link or paste the below link in your browser

**Join Microsoft Teams Meeting**

[Learn more about Teams](#) | [Meeting options](#)

**[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_ZmFiZDAyOGUtN2JiNy00Njg4LTkwOTYtODAyYzlwZDRkNTc0%40thead.v2/0?context=%7b%22id%22%3a%227c1f24a6-7d39-452c-8237-0726e3b19a73%22%2c%22oid%22%3a%2209444649-642b-4f5d-aa17-1d51e45da339%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZmFiZDAyOGUtN2JiNy00Njg4LTkwOTYtODAyYzlwZDRkNTc0%40thead.v2/0?context=%7b%22id%22%3a%227c1f24a6-7d39-452c-8237-0726e3b19a73%22%2c%22oid%22%3a%2209444649-642b-4f5d-aa17-1d51e45da339%22%7d)**

## ANNEX-71: NOMINATIONS FOR HLMIS HELP DESK VIRTUAL TRAINING



DIRECTORATE GENERAL  
HEALTH SERVICES SINDH HYDERABAD  
Phone No. 022-9240101 Fax No. 022-9040100  
Email: dghealthsindh@sindhhealth.pk

No. DGHSS /HLMIS/Trng/ 2961/66

Dated: 02<sup>nd</sup> July 2020

To,

**The Country Director,**  
Chemonics International, Inc.  
Islamabad

**SUBJECT: SUPPORT HELP DESK FOR HEALTH LOGISTICS INFORMATION  
SYSTEM (HLIMS), TRAINING NOMINATIONS**

**Reference:** *Health Logistic Management Information System, Minutes of Sindh Technical Working Group Meeting dated June 04, 2020*

This is in reference to the Technical Working Group Meeting held on June 4<sup>th</sup> 2020 (**minutes attached**), help desk support for Health Logistics Information System (HLMIS) is being developed at the M&E Cell of this office.

Below staff are hereby nominated as member of the support help desk on Health Logistics Management Information System (HLMIS).

Name	Designation	Email Address	Contact No.
Dr. Ghulam Murtaza Memon	Epidemiologist	<a href="mailto:murtazamemon@hotmail.com">murtazamemon@hotmail.com</a>	0335-2624567
Shahnawaz Memon	Computer Operator	<a href="mailto:Shahnawaz.memon3@gmail.com">Shahnawaz.memon3@gmail.com</a>	0314-3850492
Imran Aziz	Computer Operator	<a href="mailto:i.azdin74@gmail.com">i.azdin74@gmail.com</a>	-

This is for your information and necessary actions and thank you for your support.

**DIRECTOR GENERAL**  
**HEALTH SERVICES SINDH AT HYDERABAD**

Copy forwarded for information:

- The Secretary, Government of Sindh, Health Department Karachi.
- The PS to Minister Health and Population Welfare Department, Sindh Karachi
- Dr. Ayaz Hussain Soomro, Health Specialist, UNICEF Karachi.
- Dr. Kamal Asghar, Health Specialist, UNICEF Karachi.
- Dr. Tanweer Hussain, Chemonics International Inc. Hyderabad



