HEALTH DATA COLLABORATIVE

DATA FOR HEALTH AND SUSTAINABLE DEVELOPMENT

Welcome!

September 23rd -24th 2020

www.healthdatacollaborative.org

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Meeting overview

HDC secretariat: Craig Burgess & Mwenya Kasonde

September 23rd -24th 2020

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Meeting objectives

1. Approve 2020-2023 milestones, work plan and metrices

2. Agree on objectives, agenda, invitees and communications for November 'high level' political advocacy event

3. Agree on coordination mechanisms and support for countries

Background docs

https://drive.google.com/drive/folders/1NwVkus4t6rNdoC8Sx1aP_-WjqY86BEl8

Outcomes day 1

Session	Outcomes
Overview (HDC secretariat)	- Clear meeting outcomes, objectives, agenda and background documents
1. HDC status update Jeff Markuns PHCPI & Heidi Reynolds GAVI	- Status update, achievements, challenges since March and strategic issues identified - Agree ways to strengthen governance further & supporting under-represented constituencies
2. Countries: update and identified needs Nicola Wardrop (DFID) and Tessa Lennemann (GIZ)	- Focus country experiences and potential future plans (strengths, weaknesses, suggestions for improvement) - Identify partners comparative advantages supporting country coordination and plans - Identify regional support and peer review mechanisms Agree on potential expansion of HDC countries
3. Working Groups (WGs) Javier Bellocq (GNP+)	- Update on five WG achievements and challenges - Approve RHIS WG ToRs and considered Governance WG ToRs - Agree mechanisms strengthening links between WGs, with HDC and increase diversity in WG membership

Chair: UNICEF Jennifer Requejo

Outcomes day 2

Session	Outcomes
4. Approve 2020-2023 Milestones, Workplan and metrices (Alvin Marcelo (AeHIN) & Chris Murrill (CDC))	- Agree 2020-2023 milestones, work plan and metrices - Agree on partnership technical support mechanisms to support country needs within work plan
5. Review and approve 18 November HDC advocacy and political meeting Peter Ghys (UNAIDS) and Helen Kairie (Kenya MoH)	- Agree on objectives, agenda points, invitees & communications strategy for 18 November political advocacy meeting; aiming to increase visibility and political support for HIS and alignment in countries and at global level

Chair: WHO Somnath Chatterji

Session 1: HDC status achievements, challenges & strategic issues

Outcomes	Background documents
1. Status update, achievements, challenges since March and strategic issues identified 2. Agree ways to strengthen governance further & supporting under-represented constituencies	- Stakeholder feedback from March 2020 - 7 constituency summaries - March 2020 meeting Note For Record - Tracker of action points March – Sept 2020 - HDC Members Sept 2020 - SRG and WG members Sept 2020 - Mission, operating principles and ToC - HDC summary 'one pager'

Background

Oct 2019 – March 2020 stakeholder analysis:

1. Streamline & strengthen governance
2. Country impact focused
3. WGs contextualize tools and diversify perspectives
4. Communications and advocacy

Background: HDC Objectives

HEALTH INFORMATION SYSTEMS

1. To strengthen *country capacity* to plan, implement, monitor and review progress and standardized processes for data collection, availability, analysis and use

ALIGN INVESTMENTS

2. To improve *efficiency and alignment* of technical and financial investments in health data systems

ADAPT TOOLS TO LOCAL CONTEXTS

3. To increase the *impact of global public* goods and tools on country health data systems through increased sharing, learning and country engagement

HDC Governance

2. Stakeholder Representative Group

7 constituencies: Countries, Multilaterals, Donors, Global Health Initiative, Academia & technical network, CSO & Private sector

4. Working Groups

3. Secretariat

Global Health Initiatives

CSOs

Private sector

Donors

Academia & technical networks, including CDC

Multilateral inter Governmental, including WHO

Countries

1. Global Partners Group

HDC Stakeholders Representative Group

3 HDC CO-CHAIRS		
Kenya MoH (Helen Kiarie), UNICEF (Jennifer Requejo), WHO (Somnath Chatterji)		

Constituency	Representatives	Alternates
1. Countries (3)	Kenya (Helen Kiarie) Tanzania (Claud Kamalij) Nepal (Keshav Pandit)	Uganda (Paul Mbaka)
2. Multilaterals (2)	UNAIDS (Peter Ghys) WHO (Somnath Chatterji)	UNICEF(Jennifer Requejo) WHO (Elaine Borghi)
3. Donors & Philanthropic Foundations (2)	DFID (Nicola Wardrop) GIZ (Tessa Lenneman)	
4. Global Health Initiatives (1)	PHCPI (Jeff Markuns)	GAVI (Heidi Reynolds)
5. Research, Academia and Technical Networks (2)	AeHIN (Alvin Marcelo) CDC (Chris Murrill)	CDC (Carrie Eggars)
6. CSOs (1)	ACON (Justin Koonin)	GNP+ (Javier Bellocq)
7. Private Sector (1)	Observers	

Achievements March - Sept.

Governance	Status
SRG calls & separate constituency calls since May	
Clear secretariat roles and resp	
3 new co-chairs (clearer WHO roles)	
Separate WHO technical role	
6 constituencies (reps & alternates) & positions	
Private sector constituency (WEF, WB, 12 interested)	
CSO constituency support with country specific ToRs	

Countries	Status
Increase # countries (4 to 10: Kenya, Tanzania, Uganda, Malawi, Botswana, Cameroon, Nepal, Indonesia, Myanmar, Bangladesh)	
Country profiles and engagement	
Country focal points established	

Achievements March - Sept.

Working Groups and products	Status
RHIS ToRs drafted and approved	🟩
Data Governance WG for review	🟧
Community HCW indicators module	🟩
Five functioning working groups	🟥

Communications	Status
Website redesigned, all docs updated, private working spaces for WGs	🟩
HDC blog published on UHC2030 website	🟩
Webinars (HEAT, COVID-19 modelling, internal WHO, constituency based updates, COVID-DHIS2 app)	🟩
Advocacy (partner webinar & WHO DG updates)	🟩
Information sharing (events eg. Bloomberg Philanthropies Series, new tool releases and announcements)	🟩

Partnership	Status
Aligning SDG GAP work plan with HDC	🟥
UHC2030 related initiatives – HDC active	🟩

Challenges

COVID - 19

Governance:

▶ Increasing expectations of secretariat

Countries:

▶ Country leadership & partner modalities

▶ Aligning global entities with national counterparts

▶ Managing competing priorities

WGs

▶ Coordinating inter-WG exchanges

▶ Diversifying membership

▶ Country based action & adapting tools

Issues for feedback

1. Strengthening governance

2. Strengthening country leadership & constituencies (CSO, private sector & research & academia)

3. Managing resource expectations

4. Barriers to political buy-in for HIS & alignment agendas in COVID-19 era

"We like to bring together people from radically different fields and wait for the friction to produce heat, light and magic. Sometimes it takes a while."

Session 2: Countries: support mechanisms & extra countries

Outcomes	Background documents
1. Focus country experiences and potential future plans (strengths, weaknesses, suggestions for improvement) 2. Identify partners comparative advantages supporting country coordination and plans 3. Identify regional support and peer review mechanisms 4. Agree on potential expansion of HDC countries	- Country emerging issues - Country table highlighting HDC partner priorities - Country one page summaries (7: Kenya, Tanzania, Botswana, Malawi, Cameroon, Nepal, Uganda)

Health Information Systems Country Position Nepal

Health Data Collaborative Meeting

23-24 September 2020

Virtual meeting by Zoom

Key HIS Priority Issues

- ▶ Setting governance and institutional arrangement to address federal structure of the health system (data needs, management, sharing)

- ▶ Health information silos, emerging as needful or sporadic

- ▶ Integration of health information systems and inter-operability

- ▶ Strengthening routine sources to compensate and complement non-routine sources

- ▶ Accelerating eHealth for increased efficiency of the information systems

- ▶ Develop a concrete roadmap for HIS

- ▶ Mobilization of resources from all levels of government and partners and generating local revenue

Data Coordination Mechanism

- M and E Technical Working Group

- Integrated Health Information Management System TWG

- Birth, Death, Marriage and Migration data strengthening TWG

- Annual health sector review meetings at federal, provincial and local levels

- EDP Health Information Group (WHO, WB, USAID, DFID, GIZ, UNICEF)

Key guiding documents for health data

- Constitution of Nepal

- Public Health Act and Regulation

- Vital Events Registration Acts and Regulations

- Nepal Health Sector Strategy 2015-2020 (NHSS)

- eHealth strategy 2017 and roadmap 2019-23

- M and E guideline in federal context

- CRVS strategy 2019

- RHIS roadmap for Nepal, (under development) aimed to implement during SDG period

"There is a need to have an approach that would **bring everybody together** so that data generated across the country in the health sector is **brought to one room**, where it can be looked at, analyzed and utilized **for decision making and for improvement.**"

Ministry of Health and Wellness, Botswana

Emerging Issues

- ▶ **Data Use**
- ▶ **Contextualisation of Global Tools**
- ▶ **Harmonisation**
- ▶ **Investment in Data**
- ▶ **Capacity Building for Data**

Digital Health and Interoperability

Data Governance

RHIS

CRVS

AFRO

- 5 countries
  - Kenya
  - Malawi
  - Tanzania
  - Uganda
  - Cameroon
- Botswana HDC launched March 2020 with technical support from Kenya
- Field visit from Benin MOH to Cameroon

SEARO

- 3 countries
  - Myanmar
  - Indonesia
  - Bangladesh
- Welcome to Nepal

Next Steps

- Mechanism for partner alignment at country level
- Regional learning and knowledge exchange
- Can partners agree at local level?
- Thoughts on regional peer review?

"We collaborate. I'm an expert but not an authority, and Dr. Gelber is an authority, but not an expert."

Session 3: Working Groups

Outcomes	Background documents
1. Update on five WG achievements and challenges 2. Agree mechanisms strengthening links between WGs, with HDC and increase diversity in WG membership 3. Approve RHIS WG ToRs 4. Consider Governance WG ToRs	- RHIS WG ToRs for approval - Governance WG ToRs for feedback - Community WG update - Community WG ToRs - Community WG members - DH&I WG ToRs - 2017 consolidated WG ToRs

Existing working groups

Working Group	Co-leads
1. Digital and inter-operability	WHO (Garret Mehl), USAID (Adele Waugaman) & Open Communities (Paul Biondich)
2. Community Data	UNICEF (Remy Mwamba) & USAID (Ana Scholl)
3. Civil Registration and Vital Statistics (CRVS)	WB (Sam Mills), LSHTM (Debra Jackson), WHO (Azza Badr & Doris Ma Fat)
4. Logistics Management & Management Information systems (LMIS)	WHO (Lisa Hedman) & USAID (Lindabeth Doby)
5. Epidemic Intelligence	WHO (Oliver Morgan & Stephane Hugonnet)

Digital Health & Interoperability WG: Objectives

1. Optimizing the meaningful use and reuse of health information technology in low- and middle-income countries to support achievement of SDGs through the implementation of foundational digital health infrastructures.

2. Actively promote the development, use, and long-term support of digital health 'global public goods'.

3. Increasing, in a measurable way, the level and alignment of country and partner investments in support of Objectives 1 and 2.

Digital Health & Interoperability WG: achievements

Small Working Group (SWG) Achievements
- ▶ **Gender SWG**
  - Reviewed existing resources and shared them on the [Digital Square wiki](#).
  - Created a Call to Action and Checklist to assess and include gender equity in their work.
  - Organized an interactive workshop with the GDHN in early September 2020 on gender and submitted several abstract submissions for the GDHF in December 2020.

- ▶ **Governance SWG**
  - Drafted a data sharing agreement which focuses on country level guidance and decision-making framework.

- ▶ **Theory of Change and Classifications SWG**
  - Review of Classifications
  - Consensus of Definitions and development of theory of change

Digital Health & Interoperability WG: achievements

Small Working Group (SWG) Achievements

▶ **Digital Health Curriculum & Capacity Strengthening SWG**
- Continues to foster alignment and coordination on digital health capacity strengthening activities.
- Digital Square is conducting virtual interviews to gather input for the **Digital Health Applied Leadership Program** and is preparing to release an RFA in mid-late 2020.
- Conducted virtual testing of the **Digital Health 101 course** in collaboration with USAID and TechChange.
- Developed a draft **competency framework** for digital health tacticians and gathering feedback through the SWG and other avenues.

▶ **Maturity Models SWG**
- Developing a **Maturity Model Alignment** framework.
- Continuing to review the **Supply Chain Information System Maturity Model** (SCISMM) and the Supply Chain Operations Reference model (SCOR) and collecting feedback.
- Contribute to **Dynamic Maturity Model Framework**

Digital Health & Interoperability WG: achievements

Global Goods and Coordination:

- **Monthly calls with 350 constituencies since 2016**
  - Collaboration, coordination including with countries
- **Classifications on Digital Health Interventions**
  - Review, adoption
- **Digital Health Atlas**
  - Review, refinement and adoption
- **Digital Health 101 Curriculum,**
  - Continued development, testing, and refinement; alignment with WHO and ITU curriculum
- **Digital Health Maturity Model coordination and consolidation**
  - Three maturity models tested and refined
- **Digital Health definitions and theory of change consolidation**
  - Review and consensus achieved
- **Digital Health Implementation Investment Guide**
  - Review and contributions, country testing

Digital Health & Interoperability WG - challenges

- The COVID-19 pandemic has caused delays for some of the SWGs, but they have integrated COVID-19 response efforts into their work.

- The DH&I WG has struggled to sustain Secretariat support without optimal levels of funding. The co-chairs continue to focus on resource mobilization.

Community WG objectives

- Enhanced alignment, coordination and collaboration across global and country stakeholders dedicated to improved generation and use of community data and systems for health

- Standards, guidance and tools optimized, harmonized and promoted in support of routine community data and data systems integration into broader health information ecosystem

- Country community data and systems leveraged in support of frontline community worker health service delivery and enhanced population health

Community WG Deliverables

1. **Community health programs operational guidance** on data standards and tools for community data (indicators & metadata, data visualization: scorecards/dashboards/alerts/feedback)

2. **DHIS2 configuration package** of standardization and harmonization of CHIS indicators for health service provision to strengthen country community data including its linkages with the broader HMIS

3. **Guidance on streamlining assessment tools & CHIS maturity models:** to inform country CHIS implementation + review of CHIS interoperability

Community WG success & priorities

Success: Community Data Subgroup established monthly call, led by the group's co-chairs.

- ▶ Members provide updates, engage in technical discussions, and share updates for purpose of identifying synergies and potential collaborations.

- ▶ Consistency & focus of these meetings is the foundation for the group's ability to finalize deliverables.

Needs/priorities: Country engagement and cross—WG groups collaboration on specific deliverables

CRVS WG

Purpose: Share activities & provide a platform for learning and coordinating work.

Members: UNSD, SPC, OAS, UNDP, UNFPA, ESCAP, ESCWA, Paris21, Centre of Excellence for CRVS Systems (CoE), CDC, WHO, UNICEF, Vital Strategies, ECLAC, UNHCR, WB/GFF

Links to UN Statistics Division (UNSD) secretariat

- **UNDP & UNLIA task force** 10 country rapid assessments.
- **UNDP** guidance for data privacy protection related to COVID-19 contact tracing: (https://unstats.un.org/legal-identity-agenda/documents/unlia-guidance-to-undpOffices.pdf)
- **UNFPA & CoE** co-sponsored CRVS and Gender conference in Ottawa
- **UNFPA** assessment of quality of BDM registration, *why* events go unregistered & capacity building of vital stats (3 Latin America regions Arab states and West & Central Africa)
- **ESCAP** report on Civil Registration in South Asia: https://getinthepicture.org/resource/civil-registration-south-asiaregulations-relationships-and-role-ict
- **ESCAP** Stats Cafe series: https://www.unescap.org/events/asia-pacific-stats-caf-series-asia-and-pacific-crvs-systems-responses-covid-19-crisis
- **IDRC CoE** 56 country profiles covering Africa, Asia and Latin America.

CRVS WG ongoing efforts

▶ **Rapid mortality surveillance guidance**, with analysis of all-cause excess mortality, for countries where Civil Registration systems not advanced (CDC, WHO, Vital Strategies & others)

▶ Technical guidance on **medical certification for Covid19** including new code for Covid19 and reporting Covid19 cases (WHO).

▶ WHO **CRVS Strategy 2020-2023** to empower Member States to mobilize health sector leadership or contribution to CRVS system strengthening efforts (WHO)

▶ **Global birth registration report** (UNICEF) https://data.unicef.org/resources/birth-registration-for-every-child-by-2030/

▶ **Guidance on vital event reporting for health managers** (UNICEF, WHO, Vital Strategies, Bloomberg Philanthropies, GAVI & BMGF)

▶ **CRVS Improvement Framework** finalize next-generation tools for Business Process Improvement approach (Vital Strategies, ECA, SPC, ESCAP & others)

Challenges: COVID-19, new liaison with HDC to assist Sam Mills

LMIS WG

1. **A network to network relationship with the Inter-Agency Supply Chain Group (ISG):**

Informal partnership 15 major actors providing supply chain support to countries (BMGF, DFID, Global Affairs Canada, the Global Drug Facility, KfW, Global Fund, Gavi, NORAD, UNDP, UNFPA, UNICEF, USAID, World Bank, WFP and WHO).

2. **ISG has three core pillars: i) policy, ii) donor coordination & iii) implementation. Data issues cut across policy and implementation pillars.**

Work plans and information submitted in this work stream are from the work plan of the ISG i.e., the data activities are a sub-set of the existing work plan.

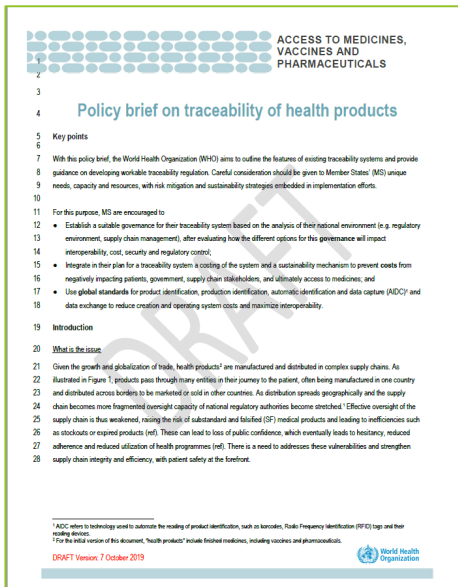# LMIS: guidance & traceability (e.g., GS1, barcodes etc.)

Example: Draft policy on traceability systems

1. **Traceability systems**

- WHO official was developed to support countries, with a released date of October 2020

- Advancements on data scraping and tracking of medicines shortages

2. **Traceability systems, implementation guidance**

- USAID tools and guidance (see tools page and example) to implement traceability systems

https://www.who.int/medicines/regulation/traceability/draft-policy-brief-on-traceability-health-products-comments/en/

LMIS: Resources/Tools in 2020

1. Product Master Data Management Reference Guide and Toolkit:

- Resource for countries managing product master data

2. Human Resources for Traceability Implementation,

- Tool supporting resourcing for traceability implementation

3. Pharmaceutical Traceability Leveraging GS1 Global Standards - guidance

- Step-by-step guide supporting investments in workplans & country strategies targeted for unique needs countries supported

4. Policy Design Considerations to Address Domestic Manufacturer Needs

- Available online here

5. Guide & strategic considerations for national level policy makers in LLMICs who are developing policies for pharmaceutical traceability to address the particular needs of domestic pharmaceutical manufacturers
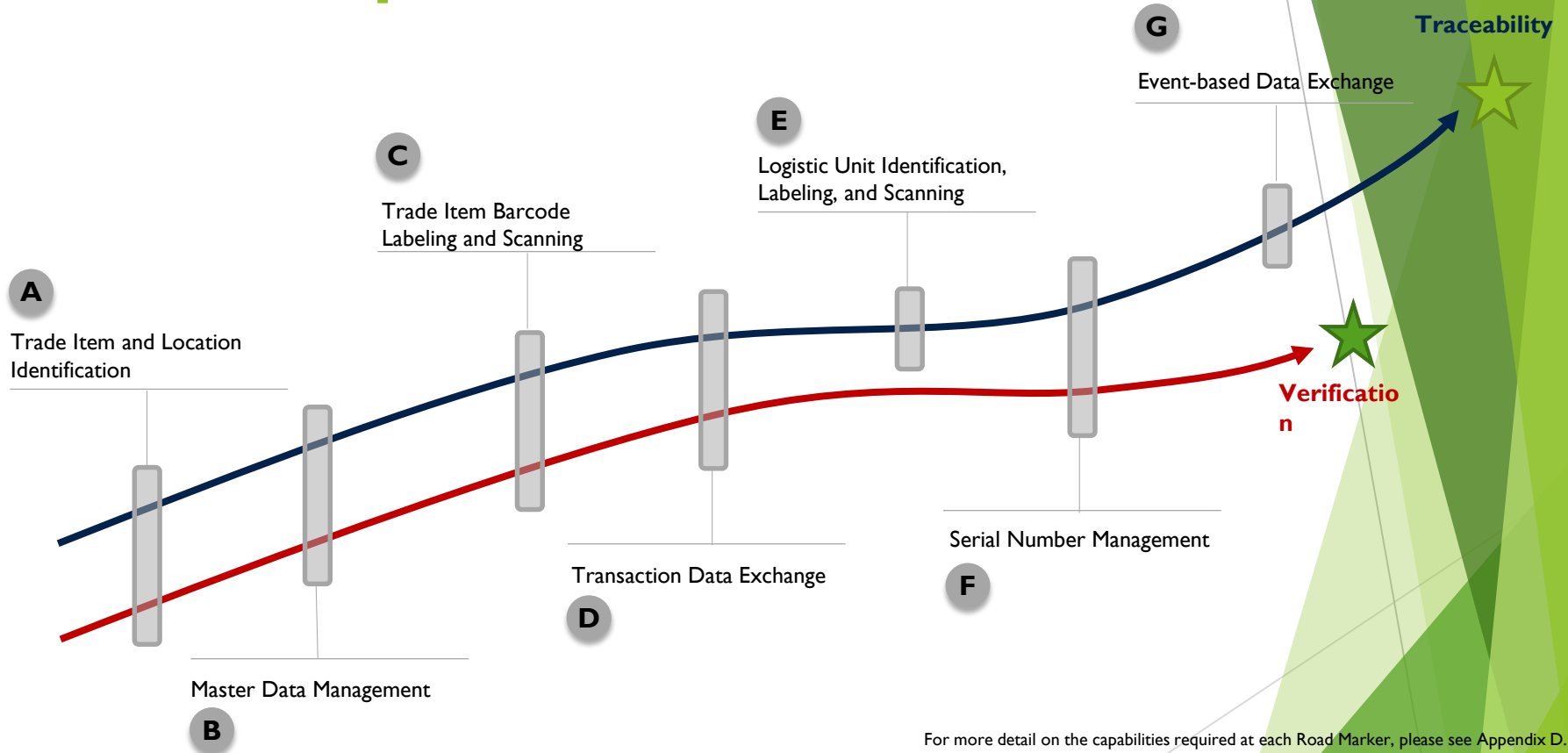
6. GS1 Supplier Scorecard

- Automated GS1 supplier score methodology & pilot complete

7. Global Standards Training Platform (Internal)GS1 Global Standards / GHSC-PSM certification program pilot launch

Illustrative Implementation Roadmap

Illustrative example only
Each country will develop an implementation plan based on their vision and strategy

A Trade Item and Location Identification

B Master Data Management

C Trade Item Barcode Labeling and Scanning

D Transaction Data Exchange

E Logistic Unit Identification, Labeling, and Scanning

F Serial Number Management

G Event-based Data Exchange

Traceability

Verification

For more detail on the capabilities required at each Road Marker, please see Appendix D.

LMIS WG - challenges

I. Access to data
- Country level data
- Partner data
- Private or other "grey" data from LMIS systems

"Data are requested, but generally difficult to obtain. The quality of the data can often be poor, thus what is shared are summary outputs of data that can be difficult to use. This is a major inhibitor in the development of systems and policies from multiple ISG agencies"

II. Data definitions and standards
- Difficult to request data if there is not a common understanding of what data exist

"Entering into significant data use or data sharing agreements requires some knowledge and pretesting of information to make sure that the "juice is worth the squeeze"

Questions

1. How to strengthen links between Working Groups?

2. How to strengthen links between WGs and HDC?

3. How to increase diversity in membership?

Routine Health Information Systems (RHIS) New WG for approval

Presented by Jorn Braa, University of Oslo,

On behalf of RHIS WG drafting group

RHIS ToRs – drafting process

Process

▶ RHIS WG is a restart of previous Facility Data WG

▶ Defining RHIS widely – data generated, managed, reported and used at facility level, *routinely*

▶ Facility surveys component moved to own group

▶ Community HIS remain own group

Drafting group members

▶ UNICEF, Global Fund, UiO, WHO

▶ Been Working together on WHO Program meta data standards & 'digital health data packages' in DHIS2 –since the Facility data WG

RHIS WG - ToRs

Objectives

1. Global Public Goods: Develop & disseminate standards and best practices, such as the WHO digital health data packages

2. Align partners and funders & work for integration of disease surveillance and other systems within RHIS

3. Develop and disseminate standards for integrating disease surveillance and emergency data into RHIS

Scope & objectives

1. Build a network of support accross regions and partners for implementing standards and best practices

2. Develop data sharing agreements for better access to data

Deliverables

▶ Disseminate standards and document best practices

Approach to country work

▶ Achieve objectives in focus countries

▶ Align partners and stakeholders in focus countries

Draft Data Governance new WG ToRs for feedback

Presented by Marie Donaldson, City University New York

On behalf of Data Governance WG drafting group

Governance ToRs – process

Process

▶ Identified need at Dec. 2019 DH&I Annual Meeting; Small Working Group convened to discuss potential outputs, leading to proposed scope

▶ Proposed HDC WG: a joint endeavour between HDC and DH&I WG, reflecting shared interest of other HDC members

▶ Governance issues are cross-cutting (e.g. DH&I and Community Data WG), therefore we propose an advisory group with rep(s) from each HDC WG

▶ Open, opt-in, voluntary involvement, wide stakeholder group

▶ Feedback from Governance SWG and DH&I co-chairs incorporated

Drafting group members

▶ Marie Donaldson (City University of New York), Vikas Dwivedi (Palladium), Vidya Mahadevan (Independent Consultant), Ashley Bennett (PATH)

▶ Governance Small Working Group Members

▶ DH&I co-chairs

Governance WG - ToRs

Objective
Support advancement of mutually beneficial digital health and data governance priority areas.

Scope & objectives

▶ Develop best practice **principles, frameworks, and toolkits for data and digital health governance -** to include a specific focus on ensuring accountability by global actors to host governments and beneficiary communities.

▶ Maintain **repository that serves to support knowledge sharing** in priority areas of the working group members

▶ Serve as an **advocacy accelerator** for the larger HDC, supporting translation of technical needs into recommendations, identifying and responding to global health priorities (e.g. COVID-19), building connections among digital and data governance actors, and promoting the overarching WG priorities

Deliverables (Oct 2020-Sept. 2022)
1. Landscape of existing Data and Digital Health Governance frameworks
2. Data and Digital Health Governance framework
3. Best Practice for Data and Digital Health Governance
4. Repository/ knowledge sharing platform

Approach to country work
▶ Identify country priorities and needs and develop tools framework
▶ Engage with HDC pathfinder countries via existing HDC mechanisms or other projects

New WGs: feedback

1. RHIS WG issues / feedback

2. Data Governance WG issues / feedback