Digital Product Advisory Committee
DIGIT HCM

August 13 , 2024

Agenda

1. Introductions
2. Roadmap
    a. Last few months
    b. Next few months
3. Discussion

DIGIT HCM so far…

3 Countries

5 Campaigns

2 Campaign Types (SMC, Bednet)

7.9 M Population Protected

8.7 M Interventions Delivered

16,184 Users

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Journey in Africa

Senegal

SMC: **Aug '24**

Liberia

Bednet: **March '24**

Nigeria

Bednet: **TBD**
SMC: **Sep '24**
LF: **Aug '24**
Polio: **TBD**

Burundi

Bednet: **Feb '25**

Mozambique

Bednet: **Aug '23, Nov '23**, **Jan '25**
SMC: **Jan '24**, **Dec '24**
IRS: **Oct '24**

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Product Roadmap

Existing Capabilities

Planning & Setup
- Single and Multi Round Household & Individual campaign
- Configuration based role-access management (backend)

Registration & Service Delivery
- Door to Door campaign and Fixed Post
- Proximity based Search
- Register beneficiaries (with updates)
- Report and track Adverse events
- Voucher generation and scanning
- Manage Referrals, Refusals and Side Effects

Supervision, Monitoring & Evaluation
- Supervision Checklists
- Manage and view complaints
- Dashboards to monitor campaign operations

Supply Chain & Inventory
- Stock Management
- Auto-reconciliation of stocks
- Offline Inventory reports in mobile application
- Bales scanning
- Last Mile Inventory Tracking

Personnel Management - Attendance
- Creating Attendance registers (from backend)
- Marking offline attendance

Jun - Dec 2024

Planning & Setup - HCM Console
- Enables users to set up and configure campaigns through a user interface.
  (Campaign type, users, master data, boundaries, etc.)

Personnel Management - Payments
- Manage payments based on proof of work
- Validate payment processing data
- Integration with MMOs

Product Onboarding - Sandbox
- Partner ability to demo & explore DIGIT HCM including data setup and configurations.

Registration & Service Delivery
- Time tracking of campaign Staff
- Privacy policy compliance
- Mobile dashboard for field supervisors
- ICD
- Facility based registration & service delivery
- BYOD

Supervision, Monitoring & Evaluation
- Telemetry (app+dashboard)

Training
- 1 course live in Academy LMS

Jan 2025+

Planning & Setup - Micro Planning
- Data collection and validation via workflows
- Geospatial visibility of micro plan estimates
- Configure, estimate and allocate resources

Backlog

Supply Chain & Inventory
- eLMIS integration
- Link warehouse and last mile inventory

Registration & Service Delivery
- Track vehicles
- GIS enabled service delivery
- SBCC
- File handling & Fraud detection

Supervision, Monitoring & Evaluation
- Dashboards with prescriptive analytics
- Email alerts for deviations and anomalies
- Financial planning dashboard

Planning & Setup - Microplanning
- Estimate campaign budgets
- Draw boundaries for unsettled areas
- Population estimation on geographic boundaries
- Autosuggest facilities based on population

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- 3 courses live in Academy LMS

Planning & Setup - HCM Console
- Allows configuring app flows for specific campaigns

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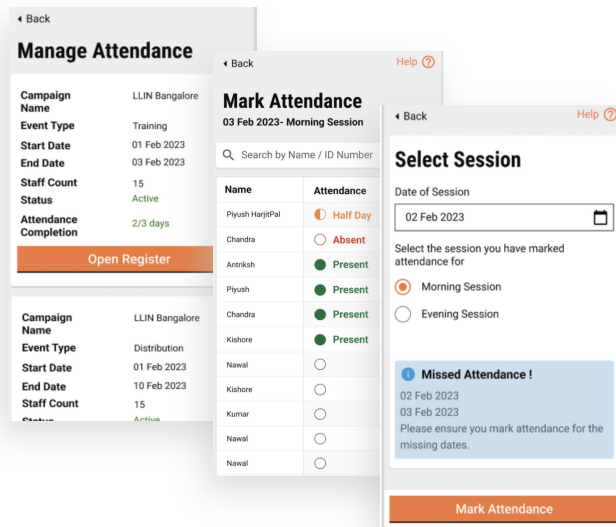
Planning & Setup - HCM Console
- Allows configuring app flows for specific campaigns

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Highlights

Key Capabilities

1. Attendance

Mark, Edit & View Attendance for Campaign Staff - Online & Offline

Current Capability

- Set up attendance tracking for any event, including training sessions and campaigns.

- Record both offline and online attendance with a single tap.

- Generate detailed attendance reports, for payment processing.

What's Coming Up?

- Configure attendance from HCM console.

- Payment validation and integration with mobile money operators (MMOs)

5,800
Attendance Records

442
Users

Used in

Liberia   Senegal

2. Code scanning

Scan 2D Matrices on Products (Bales, Bed-nets, Blisters, Insecticide Bottles; GS1 Compliant

Key Recommendations

- Frontline workers need training for scanning on actual bales/nets.

- Ensure codes are printed/pasted on at least two sides of a bale.

- Ensure sufficient camera and phone quality.

- Limit bale scanning to received bales only considering time constraints w.r.t dispatch

- Scanner will impact the phone's battery. Hence charging considerations need to be taken into account.

Improvements in HCM

- Optimised scanner for higher accuracy even with slightly damaged codes

- Auto-focus added to the scanner to reduce user efforts

- Optimise performance for battery life
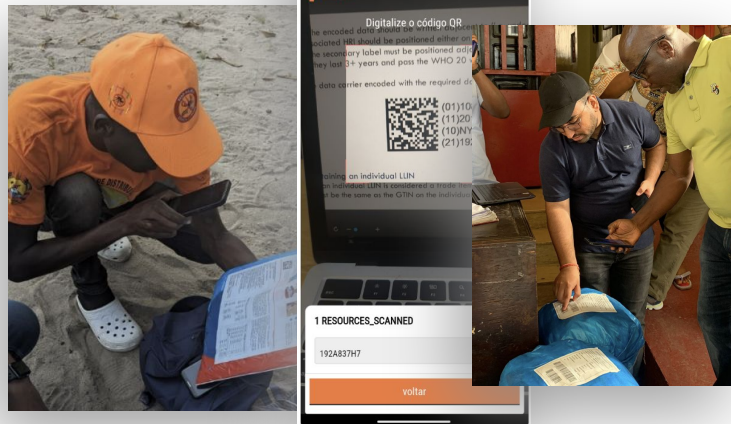
11,638
Bed nets scanned
(Mozambique)

9,904
Bales scanned (Liberia)
(counting)

Used in

Liberia   Mozambique

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Bales stacked at random in Montserrado
County Regional warehouse,
Liberia, May 2024

Damaged code on a bed net bale
Liberia, May 2024

Mesh imprinted on the QR
code on bednet
Mozambique, November 2023

Bednet scanning in the Gaza province, Mozambique, November 2023

Bales scanning in the warehouse, Liberia, May 2024

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3. Voucher scanning

Link registration & delivery of beneficiaries - via Scanning Vouchers, Enter Codes

Current Capability

- Issuing QR code enabled vouchers post registration to beneficiaries that can be scanned during distribution to provide the intervention

- Ensures the right beneficiaries are receiving the intervention

- Reduces duplications

Other use cases

- Can function as unique identifiers for beneficiaries/households in countries without national ID systems.

3,73,838
Vouchers Issued
(counting)

3,16,467
Vouchers Scanned
(counting)

Used in

Liberia   Senegal

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4. GIS Dashboard & Proximity based search

Search and Update Beneficiaries Based on Proximity; view on GIS dashboard

Current Capability

- By enabling this feature on DIGIT HCM, users can search for households based on their current location.

- This is a powerful feature for front-line workers who need to quickly locate nearby households for distribution.

- GIS maps helps to accurately identify the service delivery at household locations
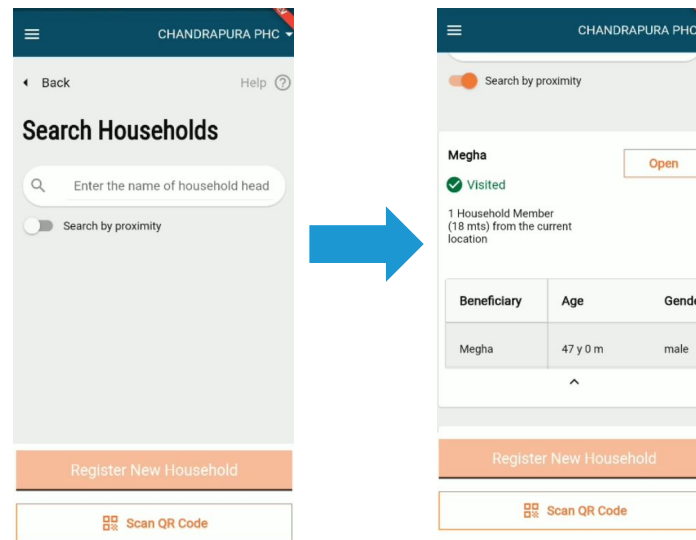
Used in

Mozambique   Liberia   Senegal

Location accuracy from Mozambique

Tete, Gaza, Nampula

0	2.40%
1	1.86%
2	8.62%
3	0.78%
4	1.95%
5	9.23%
6	15.52%
7	14.12%
8	10.95%
9	7.90%
10	5.43%
11-14	10.20%
15-20	4.68%
20-50	2.91%
50-100	0.62%
101-500	0.89%
501-1000	0.28%
1001-5000	1.62%
5001-10000	0.04%
> 10000	0.01%

Bar chart: < 5 meters: 25%; 5 - 10 meters: 54%; 10-20 meters: 15%; >20 meters: 6%
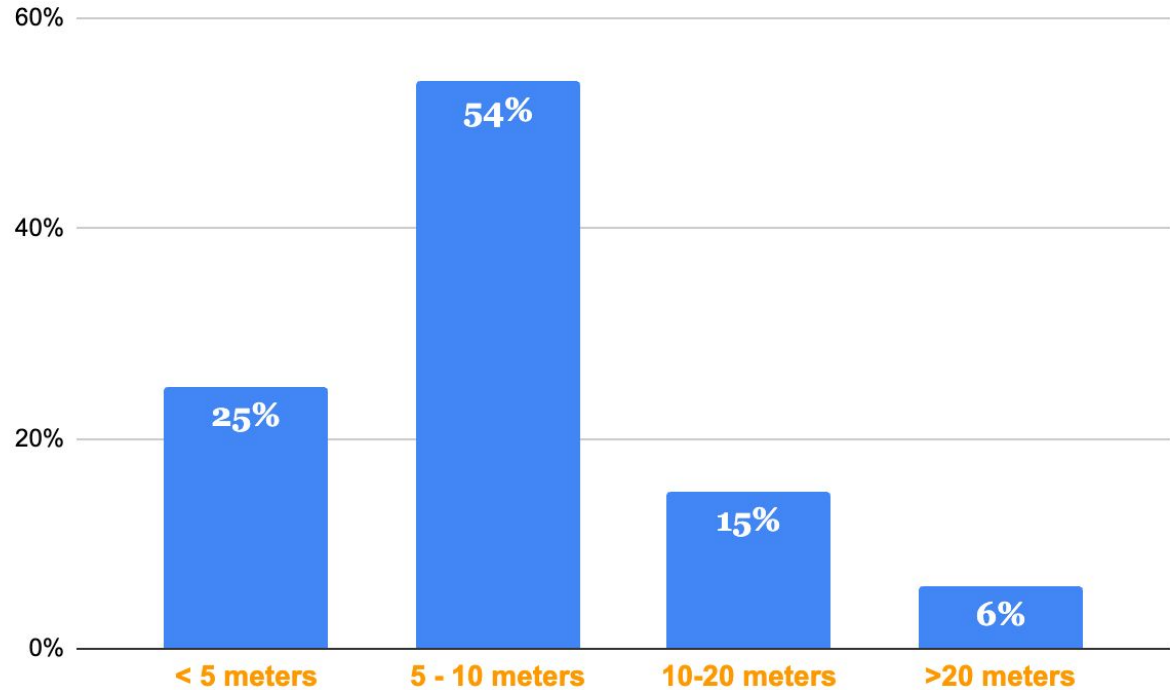
94% of records captured with < 20 meters accuracy

GIS visualisation on the dashboard

LAYERS

- Re-administradas e Referidas
- Grupo Alvo não elegíveis
- Crianças que recusaram
- Crianças referidas
- Clustered Re-Administrado Sucesso
- Distritos de Nampula
- Satellite View
- Basemap
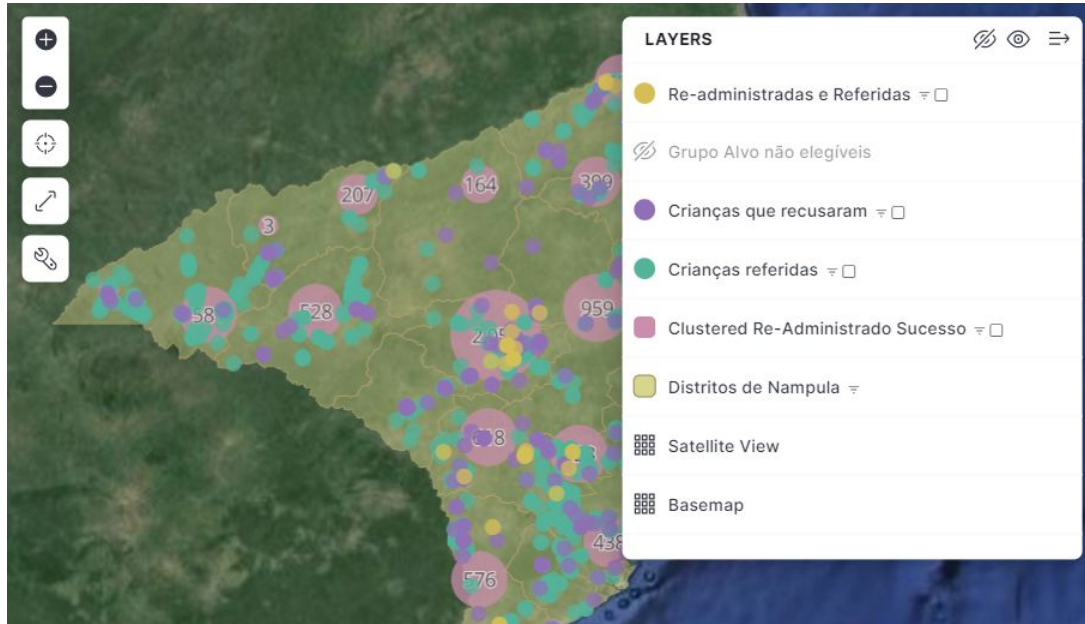
- Re-administered and referred
- Ineligible target group
- Children who refused
- Referred children
- Clustered re-administered success

The dashboard integrates GPS coordinates to categorize and color-code data, providing effective analysis.

Roadmap Walkthrough
Next 6 Months

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Detailed Product Roadmap

DIGIT HCM PRO

Campaign Management Capabilities	Module	Actor	Existing	Q1'24 (Apr-Jun)	Q2'24 (
			Digit HCM empowers frontline workers to register beneficiaries, auto-recommend resources, check eligibility, handle seamless deliveries, and log complaints. For warehouse managers, effortlessly track inventory, returns, and enjoy auto-stock reconciliation. And allows supervisors easy monitoring and evaluation.	The capabilities under this release would enable campaign supervisors and system admins to plan and execute upcoming campaigns with HCM Microplanning and HCM Console.	Maintain campaign budgets, configure and manage cam
Registration & Service Delivery	Beneficiary Registration — This module of DIGIT HCM enumerates beneficiaries for any type of health campaigns such as Door to Door/Fixed Post, Multi/Single round, Individual/Household and create reusable geo-coded registries	Frontline Worker	Enable Registration for Multiple Types of Campaigns (Individual, Household, Single Round, Multi-round)		Enable Data Privacy Compliance Adherence prior to E
			Register Beneficiaries through Multiple Modes - Door to Door, Fixed Post		Tailor and Configure Data Privacy Policies to Meet Va
			Link Registration of Beneficiaries - via Scanning Vouchers, Enter Codes		Time Tracking of Campaign Staff during Enumeration
			Enumerate Beneficiaries with Geo-coordinates		
			Search and Update Beneficiaries Based on Proximity		
	Service Delivery — This module of DIGIT HCM enables frontline workers to reuse registries to deliver interventions for any type of health campaigns such as Door to Door/Fixed Post, Multi/Single round, Individual/Household. It also allows managing side effects and referrals related to intervention delivery	Frontline Worker / Health Facility Worker	Enable Deliveries for Multiple Types of Campaigns (Individual, Household, Single Round, Multi-round)		Enable Data Privacy Compliance Adherence prior to S
			Deliver Interventions through Multiple Modes - Door to Door, Fixed Post		Tailor and Configure Data Privacy Policies to Meet Va
			Link Delivery of Service to Beneficiaries - via Scanning Vouchers, Enter Codes		Time Tracking of Campaign Staff during Service Deliv
			Record Service Delivery with Geo-coordinates		
			Auto Eligibility Check for Beneficiaries before Delivery		
			Auto-Recommendation of Resources for Distribution		
			Search and Update Beneficiaries Based on Proximity		
			Record Side Effects of the Intervention on Individual Beneficiaries		
			Refer Beneficiaries to Health Facilities		
			Search, Link and Update Referred Beneficiaries at Health Facilities		

Detailed Roadmap
https://health.digit.org/product-roadmap

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Jan 2025+

Planning & Setup - Micro Planning
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Planning & Setup - HCM Console
- Allows configuring app flows for specific campaigns

Roadmap Highlights

Key Capabilities

1. Sandbox

What is Sandbox?

An environment for partners to demo, explore and try out DIGIT HCM

What will be available in V1?

Ability to explore DIGIT HCM including data setup and configurations.
(With guided onboarding workflows, enabling self service)

What's for future releases?

- Ability to modify existing services
- Ability to build new services on DIGIT HCM

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Screen 1: Setup your Sandbox modal

DIGIT | SandBox

English ▾ A

Search
Home
Dashboard
Applications ▸
Storage
Developer Portal ▸
Infrastructure ▸
Documentation
Billing ▸
Account ▸

⚠ Header
Unable to proceed? Book a demo with one of DIGIT experts to clear your doubts
Explore more applications

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Setup your Sandbox!

Explore your Applications
Explore default DIGIT applications, envision use cases and make your applications live after configuration.
0 / 2 Applications setup
Setup Application

Configure Master Data!
Use our default configurations for fast tryouts or precisely customize applications yourself based on requirements.
0 / 2 Masters Configured
Configure Masters

Create your Client Interface
You and your clients can now experience DIGIT products first-hand through both browser and mobile
Setup Interface

Need Help? Chat With Us

Screen 2: Applications

DIGIT | SandBox

English ▾ A

Search
Home
Tenant Management
Data Management
Applications ▸
Client Interface
Account ▸

Sandbox / Applications

Help ?

Campaign management
Helps users in health campaign management. Includes enumeration, distribution, attendances, supply chain and more
⚠ App not setup
Finish Setup

Complaint management
Simple complaint management tool allowing users to raise, assign, resolve, re-open & capture feedback and also shows dashboards.
✓ Setup Complete
View

Collections
Allows users to pay and collect miscellaneous charges and issue receipts across various categories.
⚠ App not setup
Finish Setup

Need Help? Chat With Us

Screen 3: Sign Up

Explore & Build
to solve global scale problems and bring societal transformations

DIGIT | SandBox

Create Your Sandbox Account

Email address
johndoe@example.com

Organisation / Account name ⓘ
Organization name

☐ I've read and accept the terms and conditions

Sign Up →

Powered by DIGIT

2. Microplanning

What is the micro planning module in HCM?

The module will empower countries to collect accurate population data, ensure transparent micro plan execution, and optimize resource distribution for effective health campaign coverage.

What will be available in V1?

- Data collection and validation via workflows
- Geospatial visibility of micro plan estimates
- Configure assumptions, estimate resources requirements and allocation
- Integration with HCM Console

What's for future releases?

- Estimate campaign budgets
- Draw boundaries for unsettled areas
- Population estimation on geographic boundaries
- Create/autosuggest facilities based on population

Approve data collected from the village (25)

Approve Population Data	Approve Microplan

27 / 35	19 / 35	1 / 35
Village data submitted	Village data approved	Village data rejected

Search Admin Post | ▼ Filter | ↑↓ Sort

District name
Admin Post Name

✔ Approve

Estimated target population (World pop)	7487487	Villages with data discrepancy	10
Uploaded target village population	7487487	Villages with pending data submission	5
Approved target village population	464777	Villages with pending data approval	15
Total villages	35	Villages with rejected data	2
Villages with approved data	2		

District name
Admin Post Name

✔ Approve

Estimated target population (World pop)	7487487	Villages with data discrepancy	25
Uploaded target village population	7487487	Villages with pending data submission	0
Approved target village population	7487487	Villages with pending data approval	0
Total villages	20	Villages with rejected data	0
Villages with approved data	20		

::: DIGIT

✔ Microplan details	② Upload data	③ Hypothesis	④ Formula configuration	⑤ Mapping	⑥ Microplan generation

Manage Data

① Population
② Facilities
③ Vehicles

Upload Excel for population data

⬇ Download Template

Please fill the downloaded template with population data and upload the sheet.

📗 Filename.xlsx	⬆ Re-Upload	⬆ Download	✕

← Back

Next →

3. HCM Console

What is the HCM Console?

Simple tool for program managers/sys admins to setup and configure campaigns on DIGIT HCM
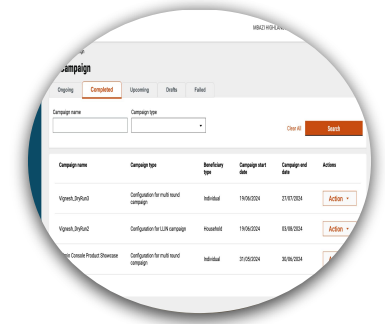
What will be available in V1?

Enables users to set up and manage SMC, Bednet, and IRS campaigns through a user interface.

(Selecting campaign type, setting dates, configuring eligibility rules, choosing boundaries, managing targets, facilities, and app users, editing upcoming campaign details, and saving drafts for partial data)

What's for future releases?

Allows configuring app flows for specific campaigns

(checklists, registration forms, inventory reconciliation, referral and side effect management, master data creation, and importing third-party data from sources like DHIS2 and WorldPop)

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Início / Create a new campaign

① Campaign details — ② Delivery details — ③ Boundary details — ④ Targets — ⑤ Facility Details — ⑥ User Details — ⑦ Summary

Select the Boundaries where you want to run the campaign

Boundaries are the Administrative Areas defined that you want to run a campaign in. Start selecting boundaries from the first level so that the boundaries available in the next level are available for selection

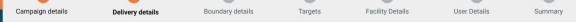| Province *	[▾]
	☐ Province A
District *	☑ **Province B**
	☐ Province C
Locality *	☑ **Province D**
	☐ Province E
Village *	

ℹ **Info**

If you can't find your boundary or boundary hierarchy please contact the L1 team at L1team@email.com

← Back   Next →

Início / Create a new campaign

① Campaign details — ② Delivery details — ③ Boundary details — ④ Targets — ⑤ Facility Details — ⑥ User Details — ⑦ Summary

Mozambique - Tete - Malaria Campaign
SMC (12/02/2024 - 12/03/2024)

[Cycle 1] [Cycle 2] [Cycle 3]

[Delivery 1] [Delivery 2] [Delivery 3]

Configure Conditions for Delivery

The Conditions of delivery you configure on this step will decide eligibility criteria for your beneficiaries. You can configure multiple Conditions for Delivery based on different eligibility criteria being followed in the campaign. Each eligibility criteria should be created as a separate Delivery Condition. Each Condition for an Individual Type of beneficiary can be created by using 4 Attributes i.e. Age, Weight, Height and Gender.

Delivery Condition 1   🗑 Delete Condition

Attribute	Operator	Value	
Age (in Months) ▾	Equal to ▾	Input	🗑 Delete Row

⊕ Add More Attributes

[Dolo 650 ✕] [SPAQ 1 ✕] [SPAQ 2 ✕] [Elbendazol ✕]

⊕ Add Products To Be Delivered

Delivery Condition 2   🗑 Delete Condition

Attribute	Operator	Value		
Age ▾	Equal to ▾	Input		🗑 Delete Row
Height (in cms) ▾	In Between ▾	From	To	🗑 Delete Row

⊕ Add More Attributes

⊕ Add Products To Be Delivered

⊕ Add More Delivery Conditions

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Challenges

Limited field study exposure for newer capabilities in roadmap (e.g. Microplan)

Prolonged fitment timelines with stakeholders (government) due to limited availability

Discussion Points

- Discussion on the key capabilities of the roadmap is captured along with the follow-on actions.

- 1-1 meetings to be set-up for eGov with AMP, CRS, WHO-GIS and Gates Foundation on separate points. eGov will initiate.

- The next HCM DPAC will be part of the Partners' Meeting to be held in the next couple of months. In this meeting the partners will share their inputs on DIGIT HCM. eGov will initiate.

Thank You.