Three key takeaways from today's session

1. Digital transformation of health campaigns needs a different approach - tool oriented versus digital public infrastructure oriented.

2. Countries need to be able to evolve their own **digital transformation roadmaps**. Health campaign management on DIGIT **empowers** partners and sovereigns.

3. Introduction as **Digital Transformations partners** and NOT as Vendors

Digital Transformation of Health Campaigns Using The Platform Approach



Attribution 4.0 International (CC BY 4.0)





Digital Transformation of Health Campaigns in Mozambique



Attribution 4.0 International (CC BY 4.0)





Health campaigns in LMICs face multiple challenges

Health Ministry

No visibility of progress and problems

Poor data to plan and make decisions in run time



Health Supervisors

Inadequate information



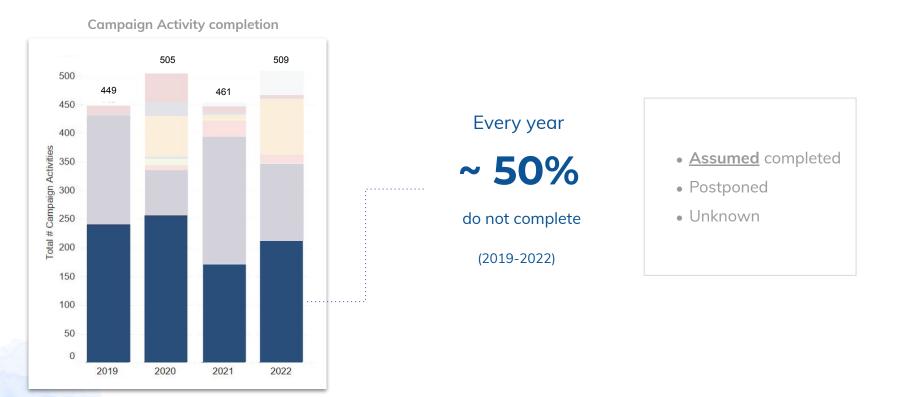
Frontline Workers



Low campaign
effectivenessLogistical
complexitiesLimited
visibilitySiloed
approachLimited
ownership



~50 % of campaigns globally don't conclude



Completed Campaigns

Source : Health Campaigns Intelligence Hub; The Task Force for Global Health

Countries are rapidly digitalising campaigns to address these challenges

But

Current digital efforts are sub-optimal & have low impact on effectiveness

Duplicative approach

Data locked in silos

No interoperability between systems

Difficult to scale & sustain

No ownership of digital assets and data



To address these challenges a new approach is needed

From a Siloed Application Approach to a Platform Approach



Current Approach Administrators Citizens Employees Vendors Front Line Policy Makers Administrators 0 Polio Malaria Measles Polio Program Planning Planning Planning Configuration Polio Malaria Measles Registration Registration Registration Registration Planning 0 P Malaria Polio Measle Inventory Inventory Inventory P 0 P Polio Malaria Measles Dashboard Dashboard Dashboard SHARED Infrastructure Infrastructure REGISTRIES Infrastructure COMMON Measles Malaria SERVICES Polio Program Program Program

Data is **fragmented in multiple system** leading to poor data quality and lack of integrated data for decision making

Poor experience for employees, citizens and administrators leading to poor adoption.

Point to point integration between system will lead to spaghetti code making system difficult to change.

Platform Approach



Shared Data Repository ensures "Single Source of Truth" and controls data quality.

Integrated Portals and Dashboards for employees, citizens and administrators ease of use and adoption.

Well defined APIs and messaging bus ensures interoperability and ease of integration without compromising the modularity and future evolution of individual services.

by eGov Foundation

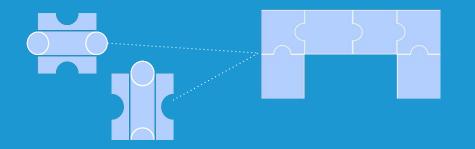
Platform approach for health campaigns in Mozambique

	What it does	What it solves			
Reusable building blocks	Digital assets that can be easily reworked for different campaigns.	Solutions for one type of campaign can not be used in another case			
Shared data registries	Single source to create & use data across campaigns, avoid repeat enumeration	All data is siloed; data from different campaigns don't talk to each other			
 Interoperability	Integrate with multiple systems such as DHIS2; enable coordination at scale	Poor coordination across campaigns and diseases			
Free and open source software	Countries own and evolve the digital assets as public infrastructure	Country teams do not own systems; lack agency to innovate as needed; high cost			

DIGIT

MODULAR BUILDING BLOCKS

Reusable assets for all campaigns



- Easy to adapt to local needs Highly configurable - easy to <u>rework</u>
- One asset for all campaigns

Multiple campaign types, diseases

• Maximize Leverage

Additive Blocks - Create new solutions

Why reusable building blocks are a game-changer

This is the **Problem**



Now, the solution can be either



A tightly integrated end-to-end monolith

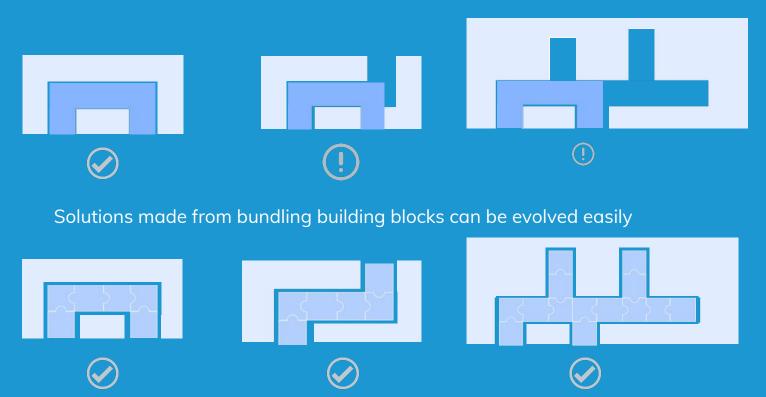


An aggregate of smaller reusable components

DIGIT

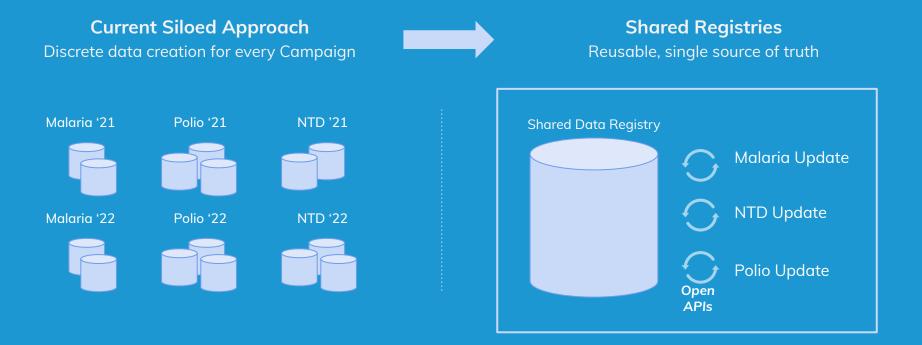
Building blocks can be evolved to solve the evolving problem

Solutions designed for a specific context serve once, do not evolve



DIGIT

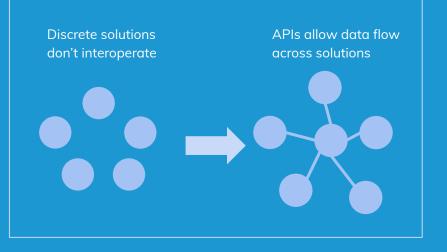
How shared registries help avoid duplication, improve quality data



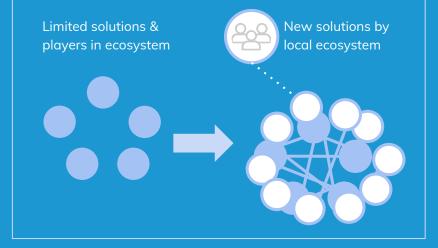
TIGIT :

APIs enable data exchange for digital assets to work together

Open Specs unlock the local ecosystem to leverage tech



With Open APIs, data can be exchange between any solutions leading to interoperability by design



With open specs, local players use common standards to build different new solutions by leveraging existing assets

DIGIT

DIGITAL PUBLIC INFRASTRUCTURE

Drive Sovereign Health Outcomes



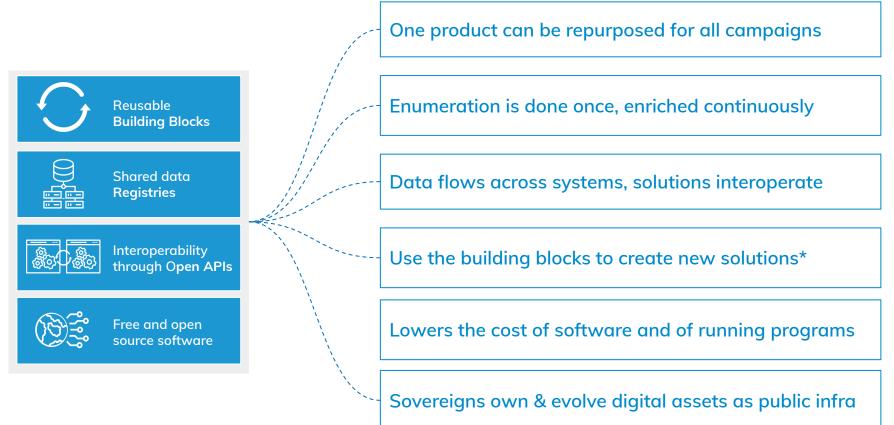


Digital Sovereignty All data and digital assets belong to the country **Strategic Agency** National Agencies own and evolve the product



Ecosystem Participation Common standards enable the growth of collaborative local market

Mozambique is a Pioneer in Health Campaigns Using the Platform Approach



Agenda

- Context
- Introduction to the platform approach
- How we got to version 1.0 of the product
- Product roadmap and overview



Making of DIGIT Health Campaign

Management Product

v1.0



All content in this presentation is licensed under <u>CC BY 4.0</u> unless otherwise noted





We collaborated with multiple partners to arrive at our understanding and product roadmap





BILL& MELINDA GATES foundation



Early field visits to shadow the public health campaigns in India CONFICT



IRS Campaigns in Kushinagar, -May 2022

Village Nutrition and RI day, Kushinagar - May 2022





MDA LF Campaign in Gorakhpur - May 2022

MDA LF Campaign in Jharsuguda -April 2022



Spent 3 weeks on ground to understanding the actors & their interactions during our field visits.







LLIN Campaign in Nampula, Mozambique October and November 2022





Shadowed the CHAI and NMCP teams closely to understand the processes on ground





Campaign Planning

Campaign Execution

Monitoring & Supervision

20 days on the field in Nampula, Mozambique: October and November 2022

Conducted Product Usability test to validate design assumptions





Usability test with Frontline health workers associated to Mumbai Municipal Health Center





by eGov Foundation

Agenda

- Context
- Introduction to the platform approach
- How we got to version 1.0 of the product
- Product roadmap and overview





Digitally Empowering Health Campaign Teams

Streamlined Ops



Integrated Planning

Macro-planning Micro-planning Centralised helpdesk Manage complaints Manage trainings Manage inventory Automated payments

Delivery Simplified

Registrations Service delivery Daily checklists In-app job aids

Quick Set-up

Quick campaign set up User management Role assignment Create forms easily

Real-time Monitoring

Real time Dashboards Tailored Reports

Health Campaign Management

Run campaigns for all diseases

Modular | Configurable | Reusable | Integratable

Integrated with DHIS2	Offline capabilities	Shared registries
Guided UI	Assisted navigation	Open apis



Easy to use app with offline capability, guided user flows and analytics support.

Simplified routine tasks, built-in checks to reduce errors and provides on-call assistance.



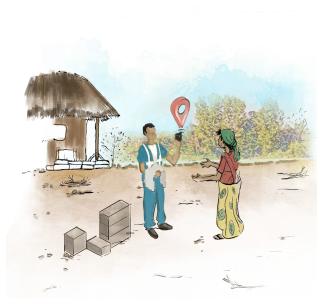
Simplified routine tasks

Quick Support

Ready for the job

All the basics covered



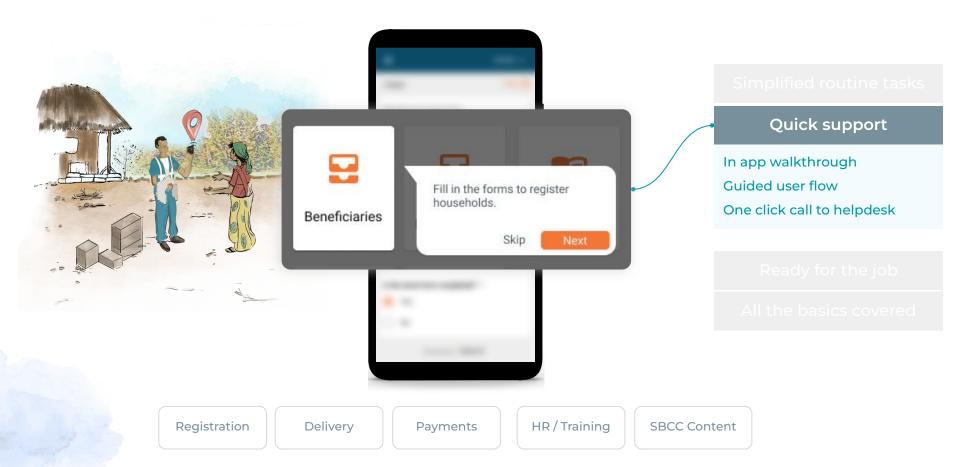


Registration

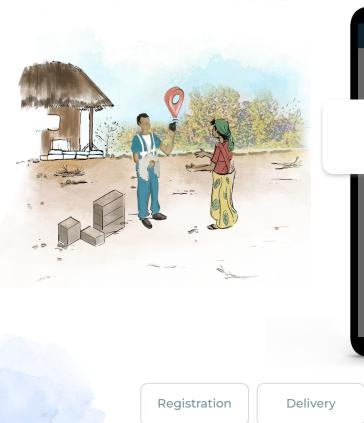
Delivery

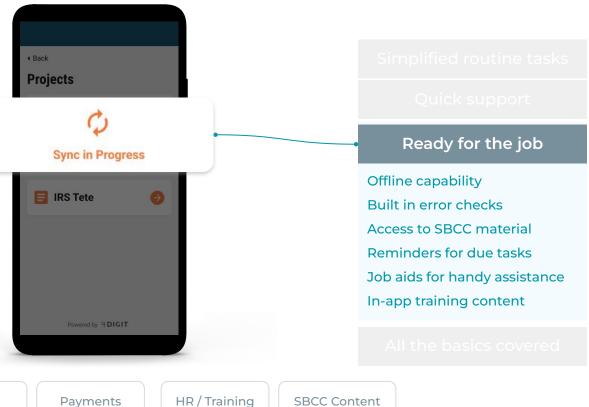
≡ Solimbo ▼	
Back Help ⑦	Simplified routine task
Varehouse Inspection Checklist the district warehouse and the staff omply with COVID-19 prevention heeasures (minimum distance of 1.5m, use f masks, use of disinfectants etc)	Daily checklists Proximity based search GPS navigation
Des the warehouse have RTI Stock prms?	
Yes No he stock form completed? *	
) Yes) No	
Powered by 🐄 DIGIT	



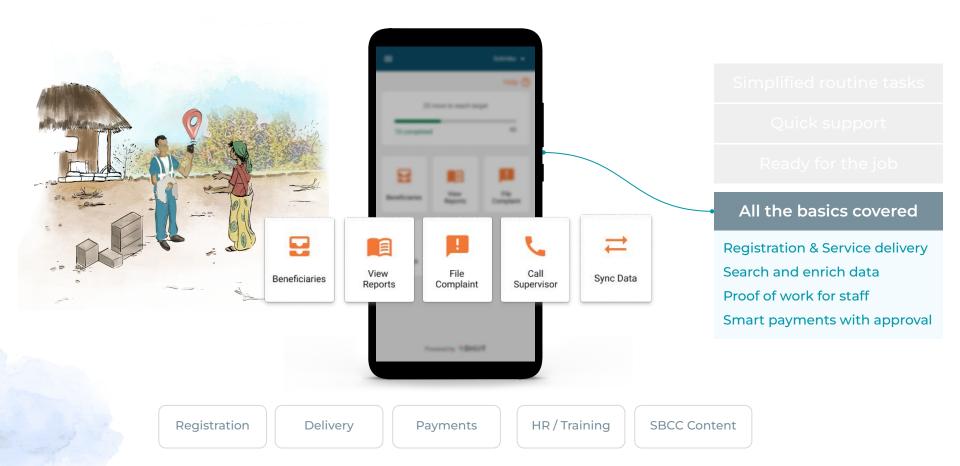














Run campaigns efficiently.

Track training, registration, service delivery, complaint status, campaign progress.

Drive effective campaigns through shareable SBCC and real-time data.



Plan campaign inside out

Be on top of operations

Manage all that matters





Home / Page Name										
Details										
Employment Status	Active	1	DIGIT						Solinda +	
Login Details		۹. ۲	Search Employ	ee						
User Name			# HRMS		Employee Harris		Mobile Number		Exerum .	
Password	******	۰	Courte Employee Peperts				-91	Our Sea	n Zeach	
Reset Password		8								
Personal Details		80	T Filters	2	Restate	Name	No. of Boles	Compaign Assi	igned Reportment Employment Status	
Employee Name	Naresh K	กับ	By Campoign		DMP-22072	Archew Janes	2 Energy English	an, Fald Inquist	Activate Employee	
Mobile Number	0000776700		0yilala		6MP-25870	Jase Antonio	3	UNTER R	leason for Re-activation	
Gender	Mala	0	Employment Status		EMP-29572	Sego	1	UN Argh	Pinctive Date	
Email ID	rd78goodfellow@gmail.com		Attio		EMP-2903	Pedra	3	INSTAN		
Correspondance Address	House No.1289, Capital Street, Jalan				6MP-1903	Arsenia	1	UN Tele	Inter Ma.	
Employee Details					6MP-2003	Jahn	4	LLIN Tele	Supporting Bocuments	
Employee Type	Contract				6MP-23875	Jane	1	LLIN Tele	Choose File No File Selected	
Date of Employment	23/02/2020		Apply						inly gig and pdf Files. 5 Mit mas file also	
Parata and a second second	PTIC 00220		_			- x	-	i i	lonarka	

Plan campaigns inside out

Configurable microplanning Target setting Stock & storage planning Team distribution planning Transportation planning Task planning & assignments Staff management

Be on top of operations

Manage all that matters

Planning

Inventory

Management

Supervision

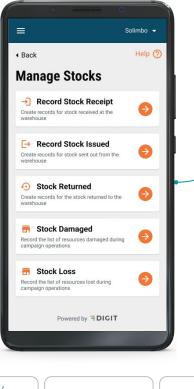
Digital SBCC

Payments Management

Monitoring









Manage all that matters

Planning

Training

Inventory Management

Supervision

Digital SBCC

Payments Management

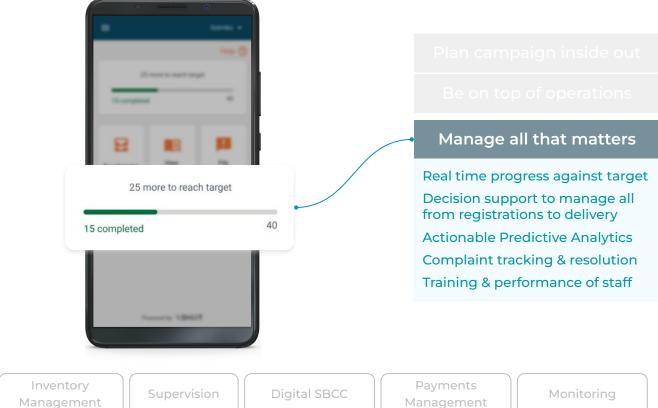
Monitoring





Training

Planning





Digital headquarters for the health ministry

Set-up and configure multiple campaigns, track campaign progress and measure progress through real-time data dashboards.

Improve effectiveness through centralised help desks and complaint management.



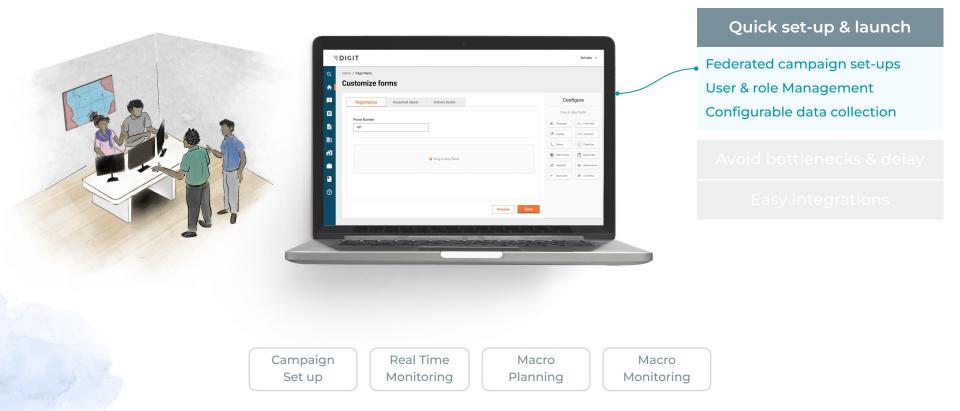
Quick set-up & launch

Avoid bottlenecks & delay

Easy integrations



Digital headquarters for the health ministry



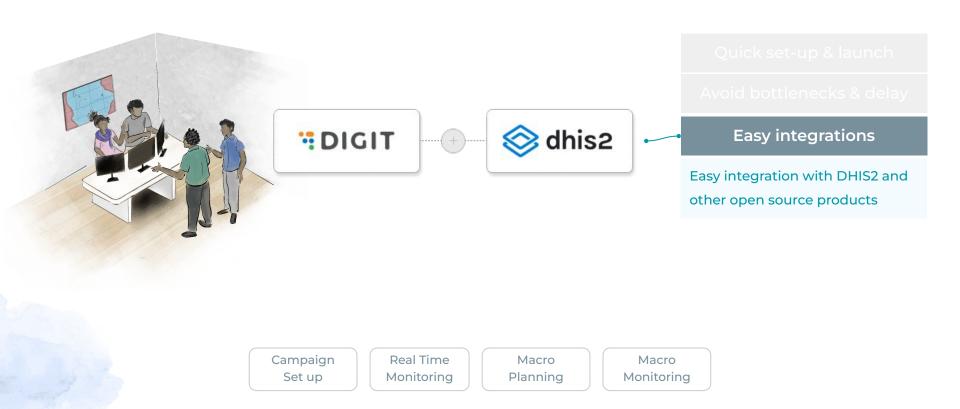


Digital headquarters for the health ministry





Digital headquarters for the health ministry



Product Roadmap

by eGov Foundation

V1

Campaign Types

 Single round Household & Individual campaign

System Setup

- Web Portal for user management
- Configuration based Role-access
 management

Registration & Delivery

- Door to Door campaign
- Fixed Post Campaign
- Register beneficiaries
- Update existing beneficiary details
- Auto-calculation of Bednets for delivery

Monitoring and Supervision

- Supervision Checklists
- Manage and view complaints
- Dashboards to monitor campaign operations

Inventory

- Stock Management
- Auto-reconciliation of stocks

V2



 Multi-round Household & Individual campaign

System Setup

10,1 [4][0

₿≩

- Form Engine
- Campaign Manager Web App
- Create and schedule custom reports

Registration & Delivery

- Mobile Post Campaign
- Geo-guided routing assistance
- Voucher generation and scanning
- Auto-calculation of Drugs for administration
- Report and track Adverse events

Monitoring and Supervision

- Attendance Management
- Create and Assign Tasks
- Dashboard with Predictive analytics

SBCC

- In-App SBCC Checklist
- Post service delivery survey

Training

- On-demand access to training content
- Pre- and Post-evaluation

Payments

• View Payment Due to campaign Staff

Planning

Create and Share Microplans



Form Designer

System Setup

Dashboard Manager

Registration & Delivery

Beneficiary Eligibility checker

V3

- Reminders and Notifications to field teams
- Auto Duelist generation

Monitoring and Supervision



1273 8888

F® ≪⊓

- Track Field team operations using GIS dashboard
- GIS enables near-real time monitoring
- Dashboards with prescriptive analytics
- WhatsApp integration for communication with field team

Planning

GIS Enabled Microplanning

Training

Virtual content delivery

Payments

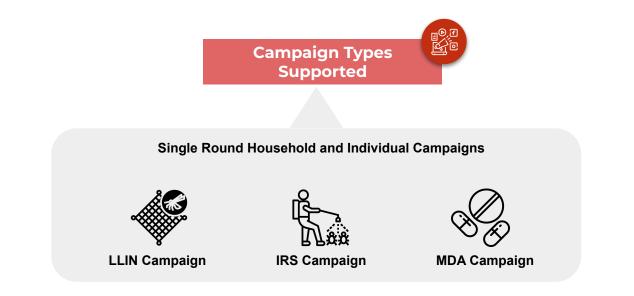
- Approve payment invoice
- Electronic Payment transfer
- Track status of payment



_0,£` [4][0

₩ S















Easy User Interface for User Management



Configuration based Role-Permission Management



Create Campaign at any administrative level (Standalone or hierarchy based)



Configure the App and dashboards to support any language as required











Registration & Service Delivery modules can be used together or as separate modules



Can be configured to support Door-to-Door Campaign and Fixed Post Campaigns



Enables data reuse by allowing teams to search existing beneficiary and update records



Rule based configuration to auto-calculate resources to be distributed to beneficiaries



Deduplication check before creating new beneficiaries









Dashboards to view accurate operations data in near real time



Easily create standard and custom reports to data review meetings



Export & Share Dashboard metrics via email, WhatsApp



Configure Supervision Checklists



Manage and Resolve Complaints from field teams









Record stock movement between warehouses and between warehouses and field teams for multiple products



Record Stock Received





Record Stock Issued



Record Stock Returned



Record Stock Damages



Record Stock Lost



Auto- Reconciliation of Stock





Product Roadmap

by eGov Foundation

V1

Campaign Types

 Single round Household & Individual campaign

System Setup

- Web Portal for user management
- Configuration based Role-access
 management

Registration & Delivery

- Door to Door campaign
- Fixed Post Campaign
- Register beneficiaries
- Update existing beneficiary details
- Auto-calculation of Bednets for delivery

Monitoring and Supervision

- Supervision Checklists
- Manage and view complaints
- Dashboards to monitor campaign operations

Inventory

- Stock Management
- Auto-reconciliation of stocks

V2



 Multi-round Household & Individual campaign

System Setup

10,1 [4][0

₿≩

- Form Engine
- Campaign Manager Web App
- Create and schedule custom reports

Registration & Delivery

- Mobile Post Campaign
- Geo-guided routing assistance
- Voucher generation and scanning
- Auto-calculation of Drugs for administration
- Report and track Adverse events

Monitoring and Supervision

- Attendance Management
- Create and Assign Tasks
- Dashboard with Predictive analytics

SBCC

- In-App SBCC Checklist
- Post service delivery survey

Training

- On-demand access to training content
- Pre- and Post-evaluation

Payments

• View Payment Due to campaign Staff

Planning

Create and Share Microplans



Form Designer

System Setup

Dashboard Manager

Registration & Delivery

Beneficiary Eligibility checker

V3

- Reminders and Notifications to field teams
- Auto Duelist generation

Monitoring and Supervision



1273 8888

F® ≪⊓

- Track Field team operations using GIS dashboard
- GIS enables near-real time monitoring
- Dashboards with prescriptive analytics
- WhatsApp integration for communication with field team

Planning

GIS Enabled Microplanning

Training

Virtual content delivery

Payments

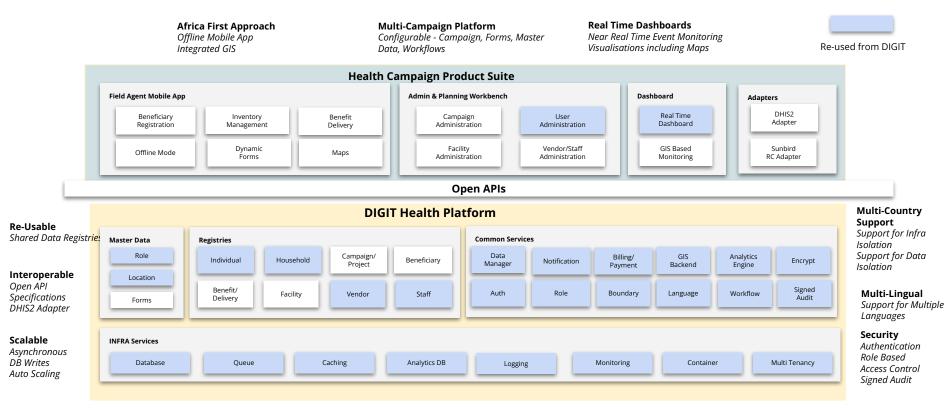
- Approve payment invoice
- Electronic Payment transfer
- Track status of payment



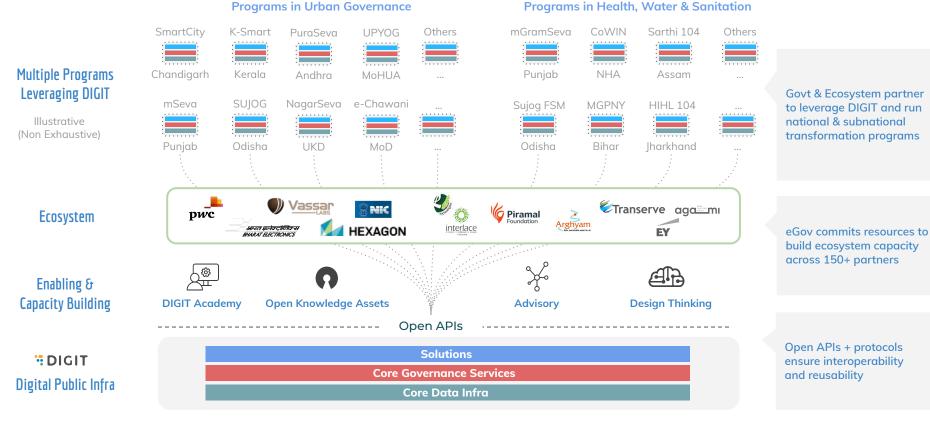
_0,£` [4][0

₩ S

Base infrastructure is scalable and reusable across multiple countries and public health use cases...



DIGIT supports Digital Transformation through ecosystem capacity build & partner enablement



>30% Investment in effort, time and resources for partner enablement





We build Digital Public Infra and work with governments & markets to drive population scale digital transformations that accelerate achievement of SDGs



Impact on Ground

7 countries & 16 sub-national Govts

Over 260 mn citizens serviced

2.3Bn+ Covid certificates issued

1.9Bn revenue mobilised

4 sectors- Urban, Public Health, Water & Sanitation, Public Finance Mgmt

Network effects - 150+ partners, 5 new sectors, 42 solutions

35X leverage -\$760mn market on DIGIT



Three Key takeaways from today's session

1. Digital transformation of health campaigns needs a different approach - tool oriented versus digital public infrastructure oriented.

2. Countries need to be able to evolve their own **digital transformation roadmaps**. Health campaign management on DIGIT **empowers** partners and sovereigns.

3. Introduction as **Digital Transformations partners** and NOT as Vendors