



dimagi

CommCare for Campaigns

AMP – Campaign Digitalization

May 10-11, 2023



About Dimagi & CommCare





Since 2002, Dimagi has built and scaled sustainable, high-impact digital solutions that amplify Frontline Workers and Programs.



Maker of **CommCare**



Expert **Services Team**

1 Million

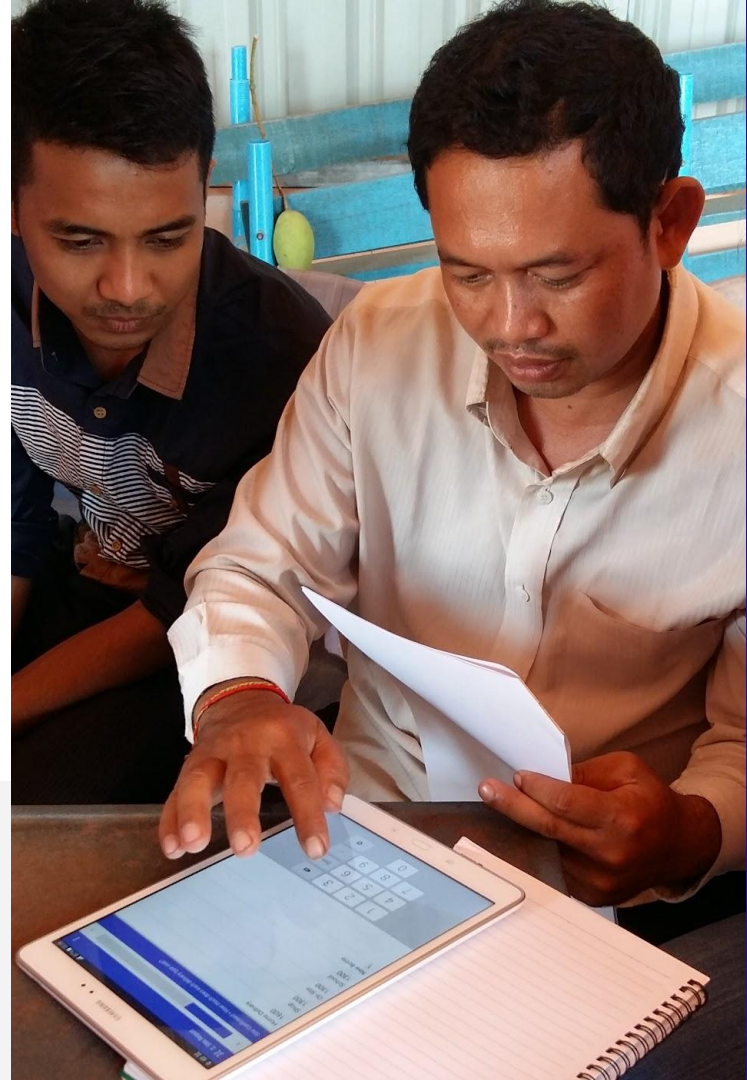
Frontline Workers
Supported to date

130+

Countries
with Users



Leading
Social
Enterprise





Dimagi's Partners

Dimagi's clients are driving projects that are changing the world and helping those in need. Dimagi specializes in working with nonprofits, ministries and governmental institutions, development banks, international non-governmental organizations, educational institutions, and social businesses.





CommCare Key Features



Works offline

Seamless workflows for end users without internet connectivity



Multilingual

Local language application translations and data capture



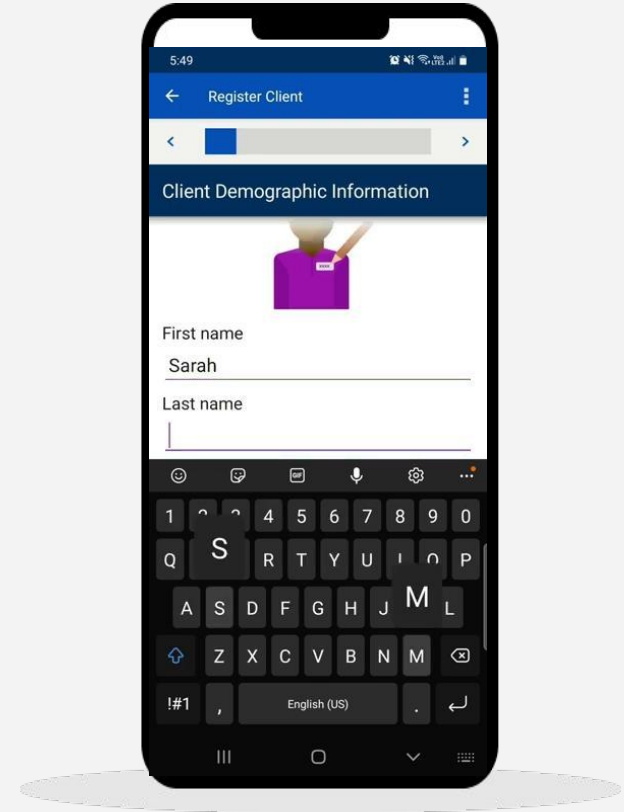
Open Source

Open source platform with free training tools and a community of CommCare users



Multimedia

Images, audio, and videos support low-literacy users with application navigation





CommCare Evidence Base



Increased Visits

Research found improved client behaviors among clients of FLWs using CommCare, including a 73% increase in ANC Visits ([source](#))



Less Training Time

A cardiovascular diseases training for CHWs that took 12 hours with paper took 3 hours with CommCare ([source](#))



Reduced Mortality

Over 10 years, scaling CommCare in Uttar Pradesh averted 149,468 neonatal deaths - or a 5.3% total reduction of neonatal deaths ([source](#))



Cost Effective

A 2017 study found that CommCare is more cost-effective than cholera and typhoid vaccines ([source](#))



CommCare for National Scale Programs

Over the past 20 years, CommCare has been utilized in many countries across the world to support **Community Health Programs** including those in:

Mozambique

CommCare is used to improve APE (CHW) motivation, strengthen their skills to provide high quality of care, and provide a range of stakeholders with the data they need to make informed decisions. The CommCare solution serves as a job-aid for all APE activities and as a resource for stakeholders.

Madagascar

CHWs utilize CommCare as a service delivery support tool for Reproductive, Maternal, Newborn and Child Health workflows.

South Africa

CHWs use the CommCare applications to provide crucial support in registering households, client screening including those for HIV, TB, COVID-19. The application also provides services for child health, targeted follow-ups, referrals, and tracing for high-risk clients.

Ethiopia

In Ethiopia, the government hosts CommCare to assist in the management of health extension programs through the collection and use of demographic data, health services delivery information, and service utilization. The tool is scaling nationally and is designed as a job aid to improve quality of care, support longitudinal client tracking & referrals, & as a data reporting tool.

Burkina Faso

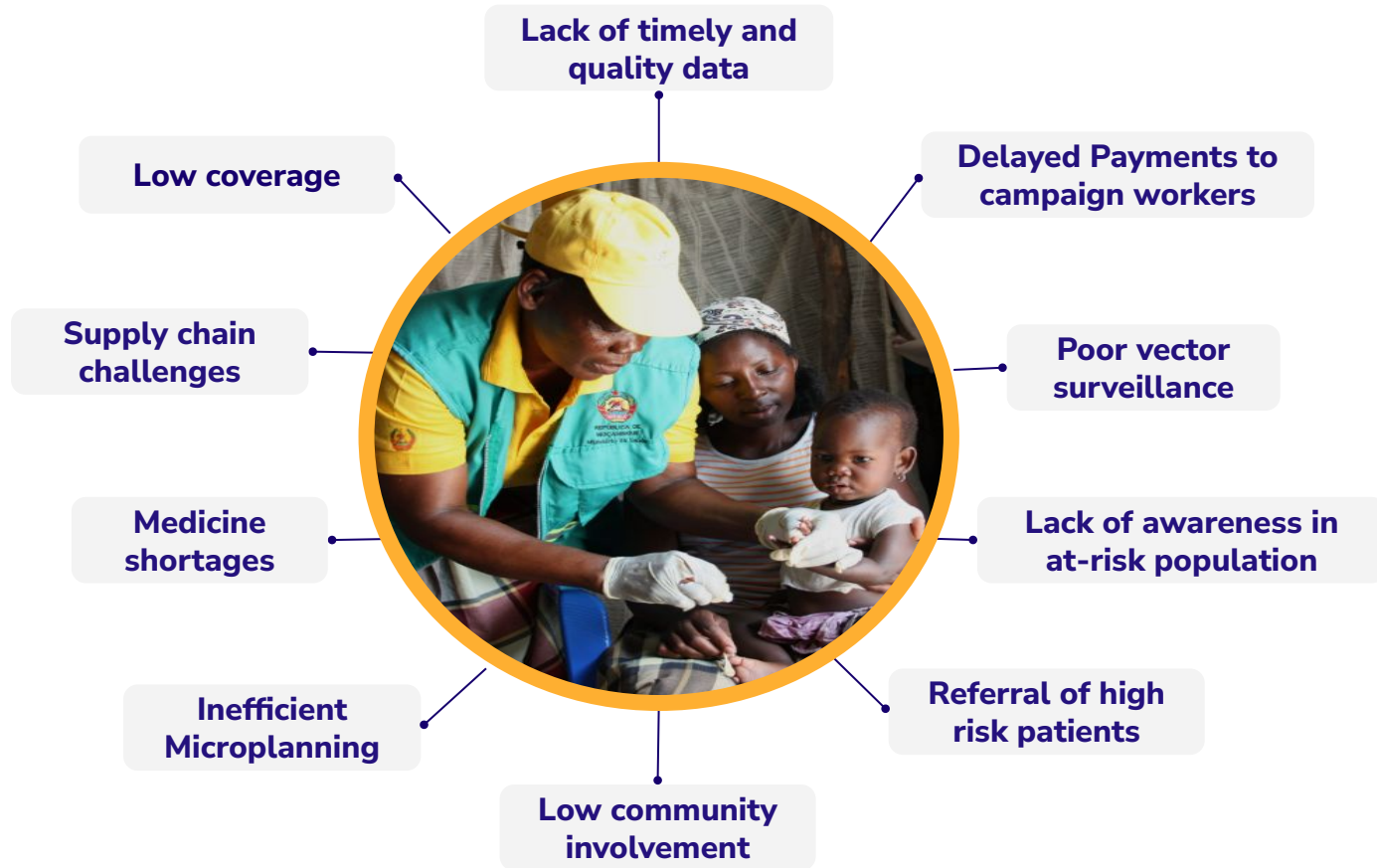
CommCare is being used as the digital backbone to the Ministry of Health's Community Health Worker program. The MoH is leading development of the application which supports neonatal, maternal and child health.

The Challenge





Challenges in Campaign



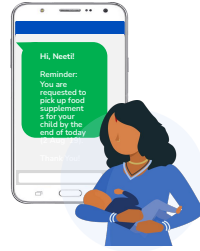


A lot of these challenges can be addressed by a cost effective and scalable digital solution

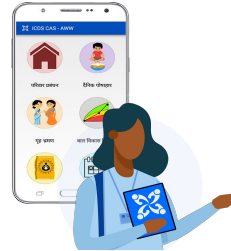


The Solution

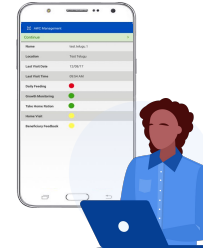
The Integrated Campaign Solution is a comprehensive and adaptable set of digital tools designed to support every level of a health campaign



Clients



Frontline Workers (FLWs)



FLW Supervisors



Health Facilities



Government Officials



M&E Specialists



Key Features

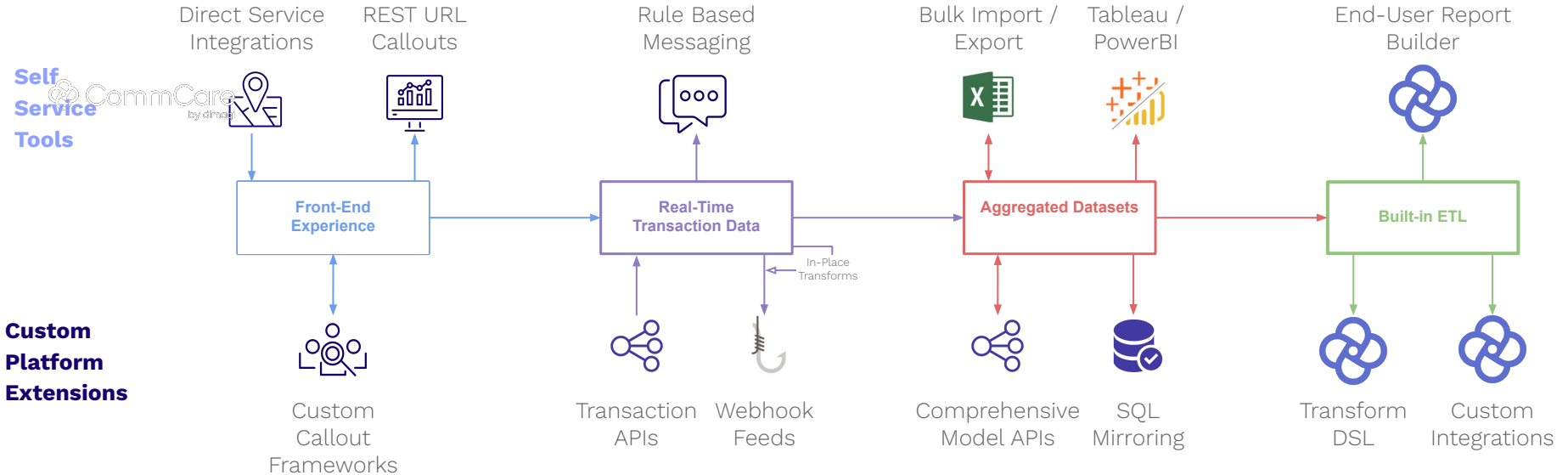
- geo-location enabled target **enumeration**;
- **supply chain** management;
- campaign **worker management** with registration, payment and attendance tracking;
- self paced **digital training**;
- **service delivery** at community and facility levels;
- **community engagement** through SMS and chatbots;
- advance **reporting** and analytics
- **integrations** with national health systems such as DHIS2.





Built for Interoperability at Every Level

CommCare's design anticipates multiple points of [interoperability](#) across entire health systems. Dimagi brings our experience to help [guide](#) efforts for better interoperability with partners.





Top-Tier Security & Privacy Standards

Dimagi upholds the highest security and privacy [standards](#), while continually advocating for higher [standards](#) in our Global Development industry.



Certified SOC-2 compliant with full audited Type 2 report available



Penetration testing and vulnerability scans by third parties to ensure continued security



Data encryption using AES-256 from mobile device to server



Roles based access, 2FA, Session and Inactivity Timeouts, Single-Sign On (SSO)



Data hosted in AWS East, in an ISO 27001 and FedRamp certified environment



HIPAA Compliance & GDPR Data Processing Agreements



Implementing organization owns data



Security review clearance by the State Public Health Departments in Colorado, New York, New Jersey, Alaska



Tenancy allows for data segregation; Capabilities to recognize specially protected information



ISO 27001





Case Studies



Combating Malaria with Indoor Residual Spray



Location
14 Sub-Saharan
African Countries



Sector
Infectious Diseases,
Maternal & Child Health



Partner(s)
USAID - President's Malaria Initiative, Abt Associates

Equip indoor residual spray (IRS) operators across Africa with digital tools to quickly report spray progress during malaria season.

- Capabilities include SMS, daily email reports, integrated data visualization
- Scaled to more than 1,000 CommCare users in 14 sub-Saharan African Countries

11 Million +

Households Report Spraying

1,000 +

CommCare users

cStock- Supply Chains for Community Case Management



Location
Malawi



Sector
Supply Chain
Management



Partner(s): JSI, The Global Fund, BMGF, World Vision, Malawi MoH

Bring healthcare services closer to clients in order to treat children under five in a timely manner.

- Automatically calculates the resupply needs for an individual CHW based on their reported stock levels and system-calculated consumption
- Reduces the travel burden on clients who live far from health facilities, helping to double product availability and reduce stockout rates and lead times for resupply
- MoHP introduced the Improving Supply Chains for Community Case Management of Pneumonia and Other Common Diseases of Childhood project (SC4CCM)

3,900+

Users

80%+

Avg Reporting Rates

iCCM for Improving Child Health



Location
Mozambique



Sector
Child Health, Malaria



Partner(s)
Malaria Consortium

Improve healthcare services and expand coverage using Integrated Community Case Management (iCCM).

- Application strengthens communication between community health workers (CHWs) and health facility supervisors
- upSCALE has the potential to expand into other areas of the health system, with the goal of improved diagnosis, treatment, and monitoring of disease
- Data visualisation in real time at the district, provincial, and national levels of Mozambique's health system

1,000+

APEs

CDC Foundation - Malaria Zero 2020 Mass Drug Administration Campaign



Location
Haiti



Sector
Malaria



Partner(s)
CDC Foundation

Supporting treatment and prevention of Malaria in local communities. Key functionalities include:

- Tracking households and its members
- Assistance in delivering anti-malarial medications
- Determining medication doses for each patient
- Record of health services provided
- End of day report
- Help Desk

Neglected Tropical Disease (NTD) Campaigns



Location
Multiple



Sector
Neglected Tropical
Disease



Partner(s)
Various

Sampling of NTD programs using CommCare

- **Schistosomiasis:** Support campaign workers with a schistosomiasis reporting tool for laboratory testing (Guinea, American Friends of Guinea)
- **Dengue Fever:** Developed technology to support with clinical trials (Thailand & Philippines, US Department of Defense)
- **Mycetoma control:** Record diagnoses and flag referrals (Sudan, Johns Hopkins School of Public Health)



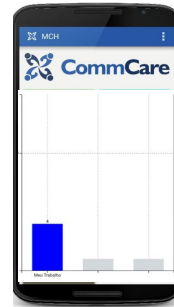
Users & Sample Workflows

Users



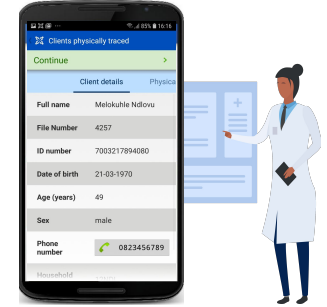
Front Line Workers

Campaign operators or volunteers who deliver services



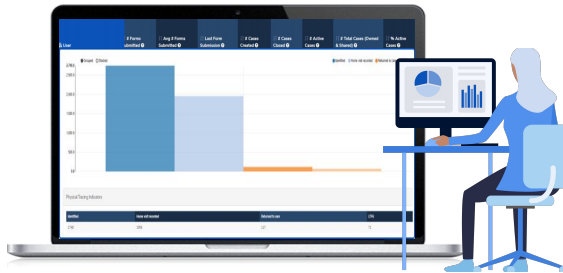
Team Leader

Supervisor Applications for team management, microplanning and monthly reporting



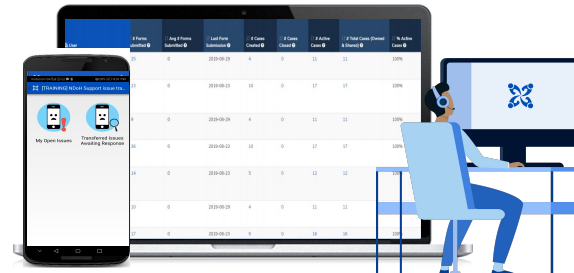
Facility / Stock Admins

To manage stock supply or facility based workflows



Decisionmakers

Data analytics supported with PowerBI and SQL, enabling national, provincial, and district stakeholders to make decisions.



Help Desk

Mobile app and web interface for on-demand tech support



Application Modules



1
Patient Case
Management



2
Household
Enumeration
& Target
identification



3
Facility
Management
& Stock
Monitoring



4
ITN
Distribution



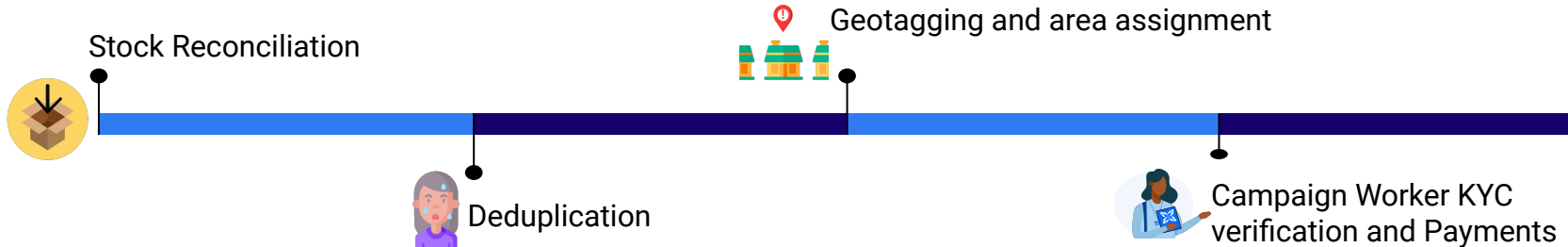
5
IPTp, SMC,
PMC
follow-up



6
Reports &
Dashboard



7
Digital
Training





Enumeration & Target Identification

Register Household

Please explain to the head of the household that you are registering households into a digital solution which will allow you to deliver care to the community more easily. Explain that there is very little risk to having their information entered into the system, it's very similar to the paper registers normally used, but that it is up to them to decide if they do or do not want to be included.

Does the head of household consent to being registered?

Yes

No

CLEAR

Collect Consent

Register Household

Household details

Head of household's first name
Martin

Head of household's last name
Mars

Phone Number :
073334421

Neighborhood
Good Hope

Are you at the physical location of the household?

Yes

No

CLEAR

Head of household Details

Register Household

Household details

Please, capture the GPS coordinates of the household.

RECORD LOCATION

Address :
123, Long road

Location of Household

Register Household

Household members (1)

You are now registering a new household member !

Okay

Register Individuals

Register Household

FINISH

Summary

Household summary:

Head of household : Martin Mars

Address : 123, Long road

Phone number : 073334421

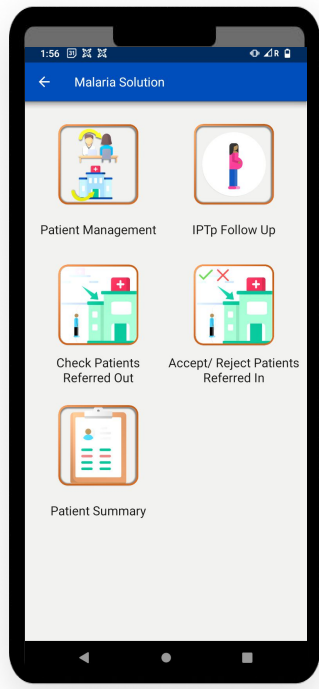
List of Household Members

Name	Gender	Age
Gemini Mars	male	21
Lucile Mars	female	34
Elias Mars	male	2

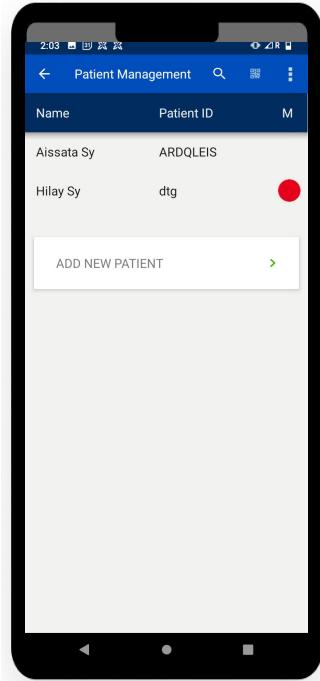
Household Summary



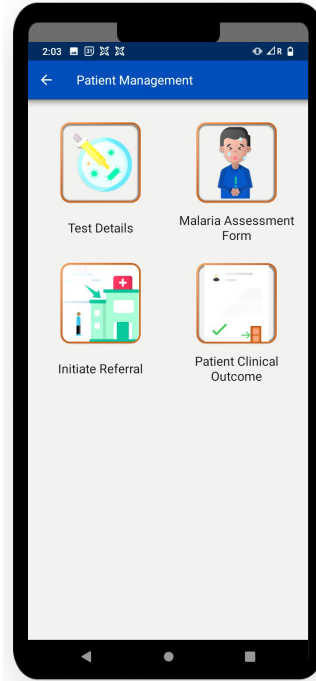
Integrated Community Case Management



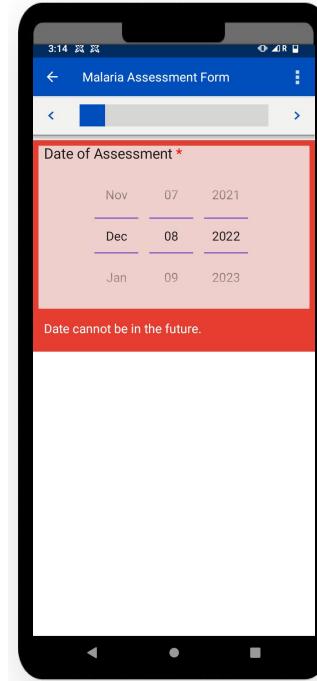
Health screening



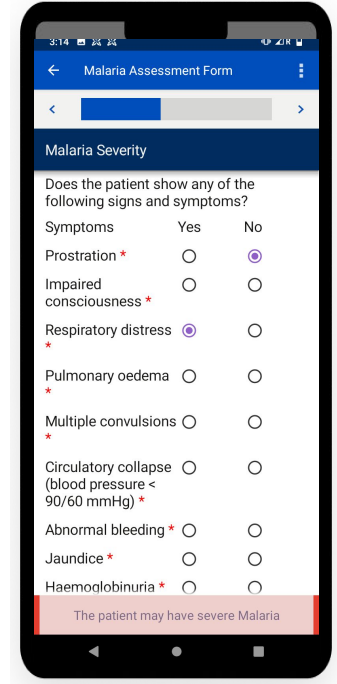
Patient list with ID and a color coded status



Referral of critical cases



Validations to reduce data cleanup workload



Clean UX to allow faster data entry



Facility Set-Up & Stock Monitoring (Admin)

Edit Facility Information



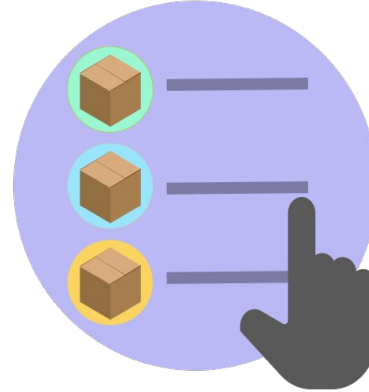
Administrators can update facility information such as primary/secondary points of contact and location

Facility Assessment



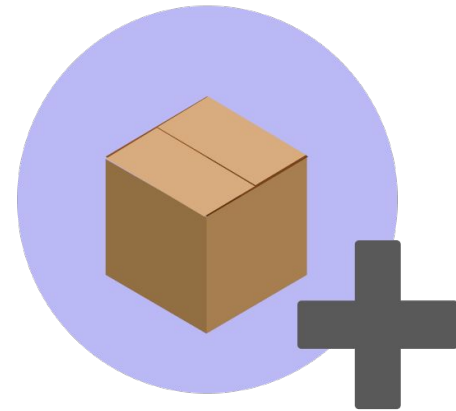
Administrators can conduct periodic assessments of the facility's preparedness according to WHO standards

Manage Tracked Items



Administrators can select what items will be tracked at each facility

Record Baseline Stock



Administrators can set the baseline stock at the facility at the time of transition to app-based tracking



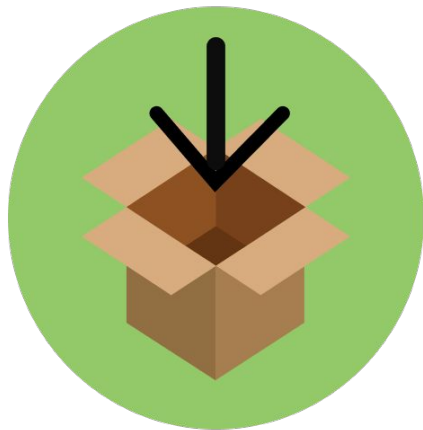
Stock Tracking (all users)

Stock on Hand



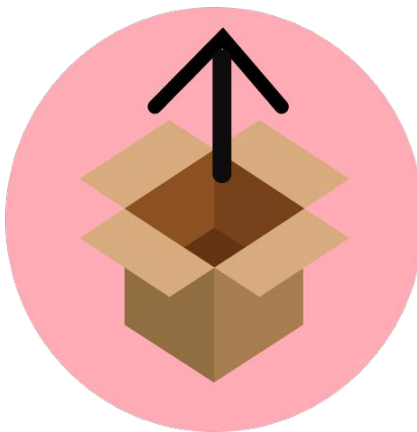
CHWs can record how much stock is on hand at their facility

Stock Received



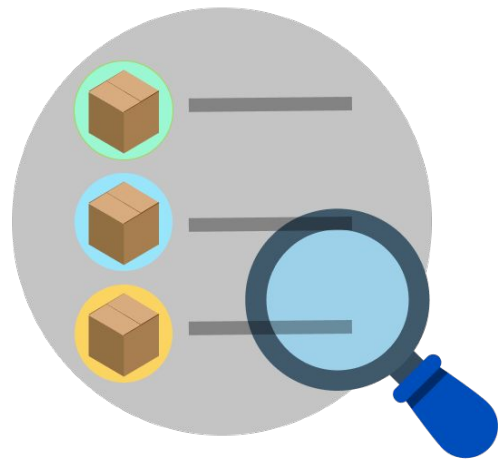
CHWs can record how much stock has been received at their facility

Stock Distributed



CHWs can record how much stock has been distributed from their facility to another facility

View Stock Status

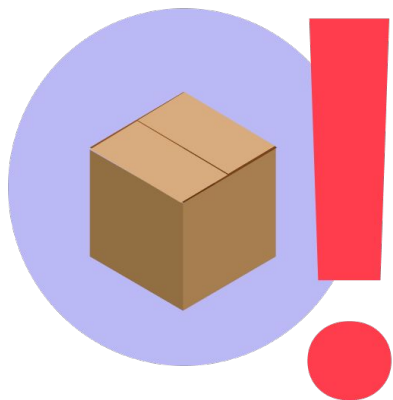


CHWs can view the most recent amounts recorded for Stock on Hand, Stock Received, and Stock Distributed



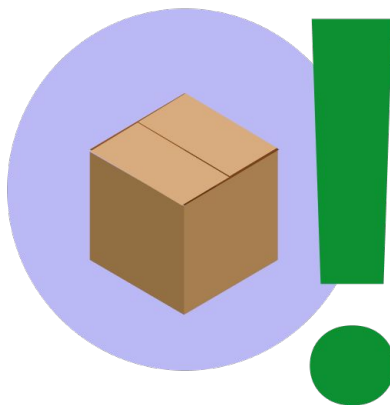
Stock Tracking (all users)

Report Urgent Need



CHWs can report when they are low in stock, how much stock they need urgently, and how soon they need it

Report Oversupply

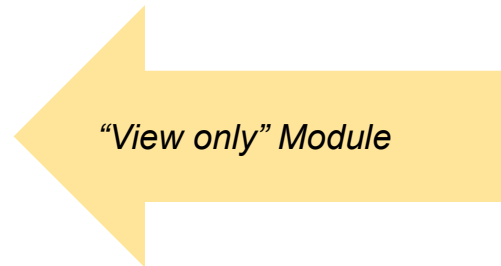


CHWs can report when they have too much stock and how much stock they have above what is needed

(Additional Module) View Urgent Stock Requests



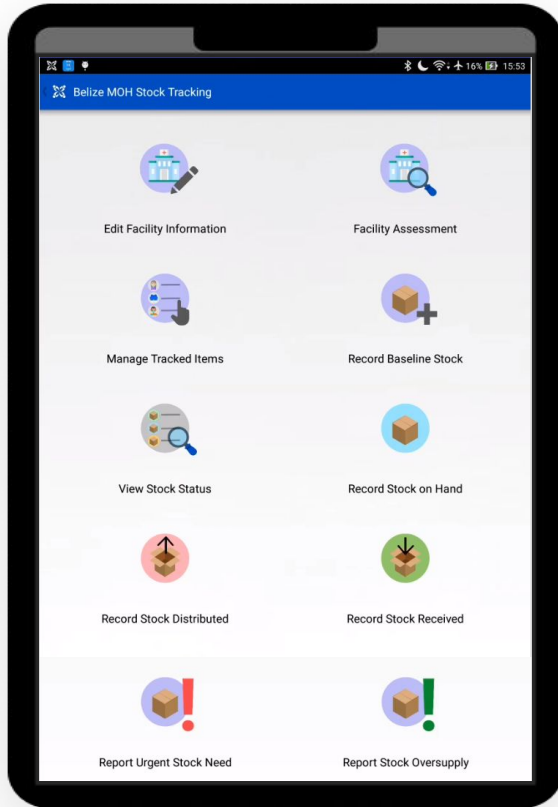
CHWs can view the most recent amounts recorded for Stock on Hand, Stock Received, and Stock Distributed



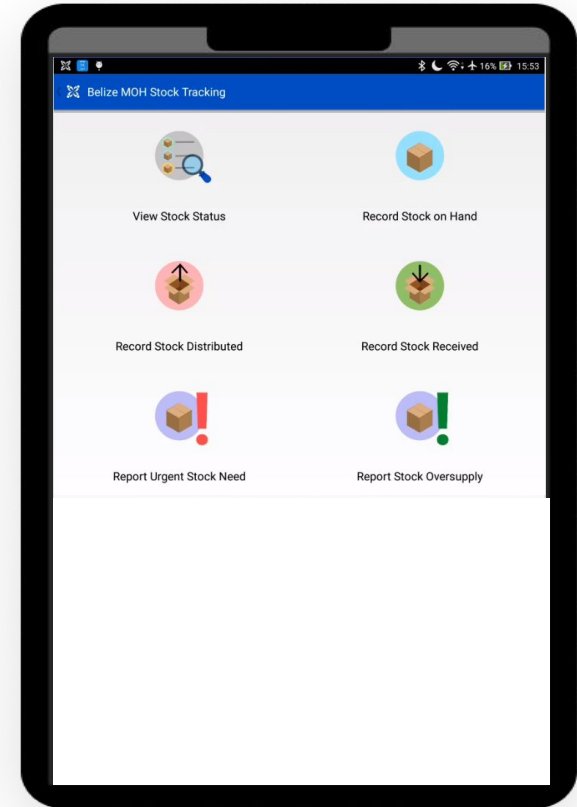
Sharing Cases



Admin User View



All Users (Non-Admin) View



Data is shared
between
administrators and
non-administrators



Record/Report Forms



1. Select Stock Category

Record Stock on Hand

Stock to track

Stock Category

Clinical Care Equipment

Clinical Care Supplies

PPE - Gloves

PPE - Gowns

PPE - Head and Face

PPE - Kit

PPE - Miscellaneous

PPE - Suits

2. Select Stock Items to Update

Record Stock on Hand

Stock to track

PPE - Suits

Please select the Clinical Care Equipment to record at Central MoH Hub:

Blood Pressure Kits

Please select the PPE - Gloves to record at Central MoH Hub:

Nitrile Gloves - Small

Nitrile Gloves - Medium

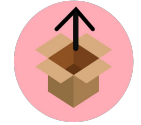
Please select the PPE - Gowns to record at Central MoH Hub:



Record/Report Forms (cont'd)



3. Enter Updated Stock Data



Record Stock on Hand

PPE - Gloves Summary

How much stock of Nitrile Gloves - Small is currently on hand?

How much stock of Nitrile Gloves - Medium is currently on hand?

How much stock of Nitrile Gloves - Large is currently on hand?

How much stock of Nitrile Gloves - X-Large is currently on hand?

+	1	2	3	,	-
(4	5	6	;	/
)	7	8	9	←	
.	*	0	#	Next	

4. View Summary of Data Entry

Record Stock on Hand

FINISH

On Hand Summary

Nitrile Gloves - Small: 10

Nitrile Gloves - Medium: 10

Nitrile Gloves - Large: 10

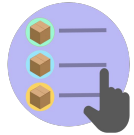
Nitrile Gloves - X-Large: 10



View/Manage Forms



View items entered as urgently needed



Facility	Stock	Date	How Urgent Is the Request?	Amount Needed
Central MoH Hub	Gowns - Surgical	Jan 25, 2021	Need within 7 days	25
Central MoH Hub	Blood Pressure Kits	Jan 25, 2021	Need within 3 days	33
Central MoH Hub	Blood Pressure Kits	Jan 25, 2021	Need within 7 days	50
Central MoH Hub	Blood Pressure Kits	Feb 11, 2021	Immediate	2000
Central MoH Hub	Aprons	Feb 08, 2021	Immediate	200
Central MoH Hub	Blood Pressure Kits	Feb 12, 2021	Immediate	600
Central Region Distribution Point	Blood Pressure Kits	Feb 11, 2021	Immediate	2000
Central Region Distribution Point	Blood Pressure Kits	Feb 08, 2021	Immediate	10
Central Region Distribution Point	Emesis Basin	Feb 08, 2021	Need within 3 days	

View last amount entered for Stock on Hand, Stock Distributed, and Stock Received

PPE - Gloves Summary

Nitrile Gloves - Small

	Amount	Date
Most Recent On Hand:		
Most Recent Distributed:		
Most Recent Received:	100	2021-01-14

Nitrile Gloves - Medium

	Amount	Date
Most Recent On Hand:		
Most Recent Distributed:		
Most Recent Received:	100	2021-01-14

Nitrile Gloves - Large

	Amount	Date
Most Recent On Hand:	1500	2021-02-17
Most Recent Distributed:		
Most Recent Received:		

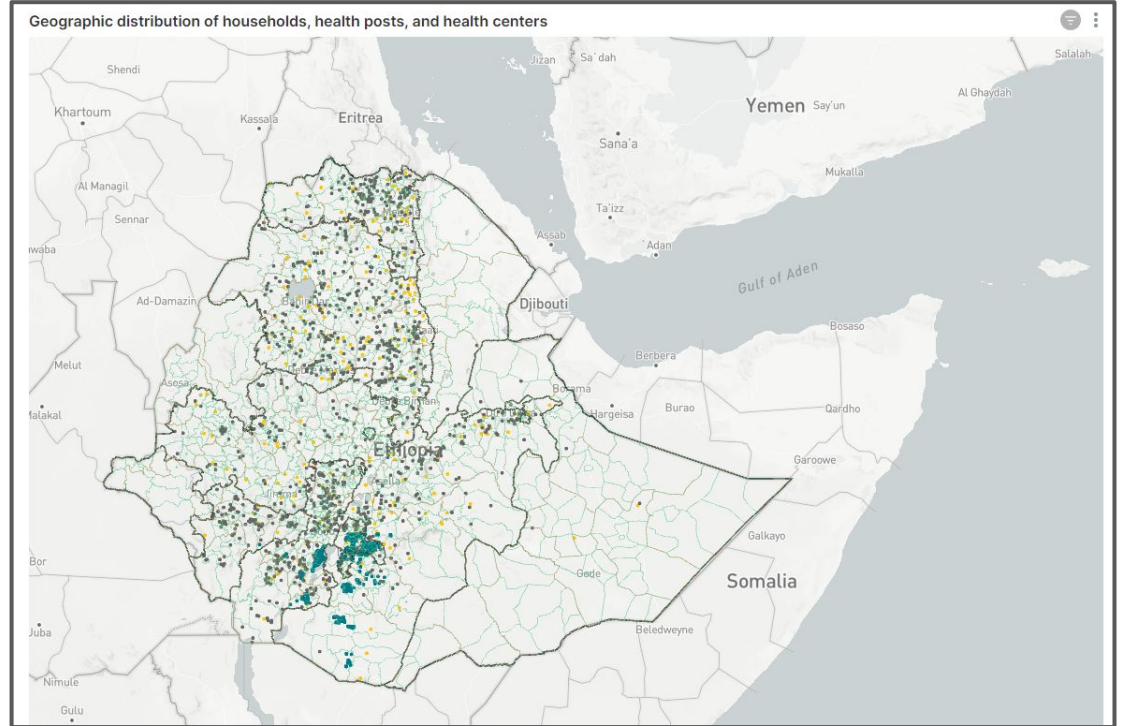
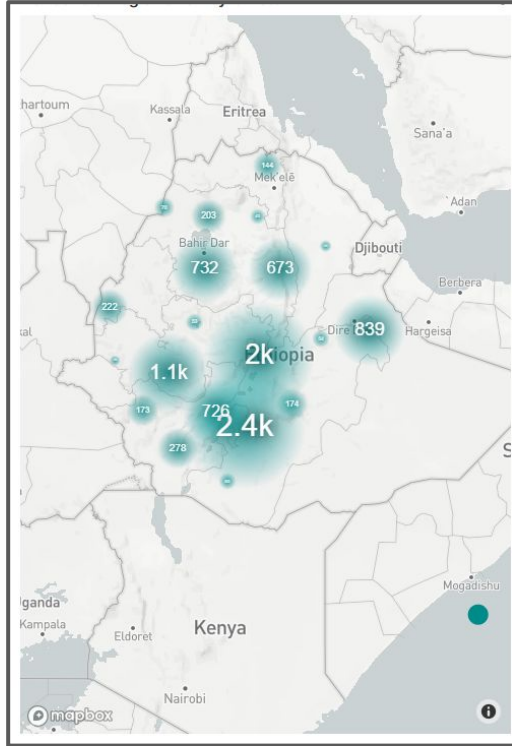
Nitrile Gloves - X-Large

	Amount	Date
--	--------	------

Data & Dashboard



Superset Dashboard



Detailed **population estimates** by age, gender or households for MDA campaigns

Catchment layers for **microplanning**



Stock Report

facility name

facility id

facility district

[Apply](#) [Favorites](#) [Save...](#)

[Hide Filter Options](#) [Export to Excel](#)

Stock Report (Facility filter)

Facility District	facility name	stock name	date last updated	date of stock input	number of new stock received	remaining stock	Mobile Worker Last Updating Case
Boromo	CHC Bree	Quinine	2022-05-24				fa.mvp.2
Boromo	demo 2	Amodiaquine	2022-03-15				fa.mvp.2
Boromo	demo 2	RDTs	2022-03-15	2022-06-10	100	80	fa.mvp.2
Boromo	demo 2	ITNs	2022-03-15	2022-06-15	50	20	fa.mvp.2
Boromo	demo facility	ITNs	2022-03-15				fa.mvp.2
Boromo	demo facility	RDTs	2022-03-15	2022-03-15		3284	fa.mvp.2
Boromo	CHC Gardens	Artemether	2022-06-16				fa.mvp.2
Boromo	CHC Bree	Sprays (indoor residual spraying)	2022-05-24	2022-05-10		120	fa.mvp.2
Boromo	demo 2	Artesunate	2022-03-15				fa.mvp.2
Boromo	demo 2	Artemether	2022-03-15				fa.mvp.2



Summary Report

Report Filters

Closed

x [Show All] x

User

x [Show All] x

Apply

Favorites ▾

Save...

Hide Filter Options

Export to Excel

Epidemiological Report

suspected cases	received tests	confirmed cases	severe cases	deceased	treatment initiated
149	92	58	43	4	32

Showing 1 to 1 of 1 entries

25 per page ▾

◀ Previous

1

Next ▶



ITN distribution Report

Apply Favorites Save...

Hide Filter Options Export to Excel

ICS > Household > ITN Distribution

Name of HH	Auto HH id	Enrolled for ITN Campaign	HH Location	ITN Eligibility	ITN Distributed
abiswas	899815				
ADE	315363		6.4291536 3.4995441 31.0 25.33		
ADEYEMI	761764		6.429298 3.499552 28.69 23.09	1	
BAJWA	134678		14.230306083160608 62.57812500000001 0.0 0.0		
BEDI	774982				
BEDI	403492		36.26199220445664 35.15625000000001 0.0 0.0		
BIBEK	242022		30.7354269 76.7100153 299.29 16.38		
BINTAN 2	271341		72.48189144841274 71.01562500000001 0.0 0.0		
crall					
crater	937934				
DIENE	571676	yes	14.6678169 -17.4310869 54.2 11.56	3	
DIMAGI	878465		33.985805 -118.2541117 0.0 3.9	2	1
drillz	919532				
DUTTA	979519				
FAITH	538582	yes	28.5620833 77.198035 0.0 3.9	2	1



Campaign Worker Training Report

Worker Role: Campaign Operator x Team Leader x

Worker Inactive: [Show All] x

Apply Favorites Save...

Hide Filter Options Export to Excel

ICS > Worker > Trainings attended

Name	Age	Gender	Role	Number of trainings attended	Participation in bed net distribution training	Participation in spraying techniques training	Worker registered on
Al Zawahari	14		Campaign Operator				2022-09-01T12:47:21.701000Z
Bolu Adeyemi	31	male	Campaign Operator	3	1	0	2023-02-17T08:22:55.406000Z
cobir tyu	29		Campaign Operator		1	0	2022-09-01T17:28:58.542000Z
Ela Ly	29	female	Campaign Operator	6	1	0	2022-10-25T10:11:45.133000Z
Harry Winson	15	male	Campaign Operator	5	1	0	2023-02-14T09:39:46.612000Z
lara d	0		Campaign Operator				2022-09-01T16:22:19.838000Z
Leo Parker	0	male	Campaign Operator	0			2022-09-05T10:04:17.001000Z

Thank You

dimagi

solutions-partnerships@dimagi.com

