

Stock Management feature list

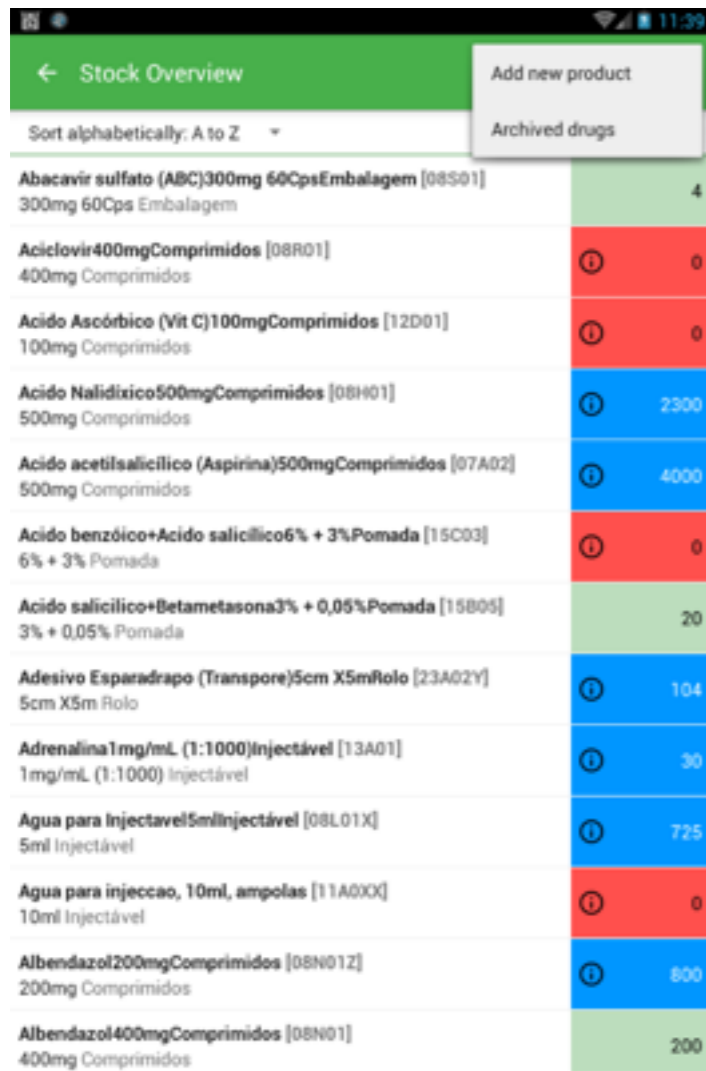
Based on requirements from Mozambique

Oct, 2016

Needs

- MoH:
 - Track stock at facility / district / province levels
 - Generate insights to improve fulfilment planning
- Pharmacists:
 - Easily record and track stock movements
 - Reduce time required to make movements
 - Get alerts on stock status

Add product to facility stock list



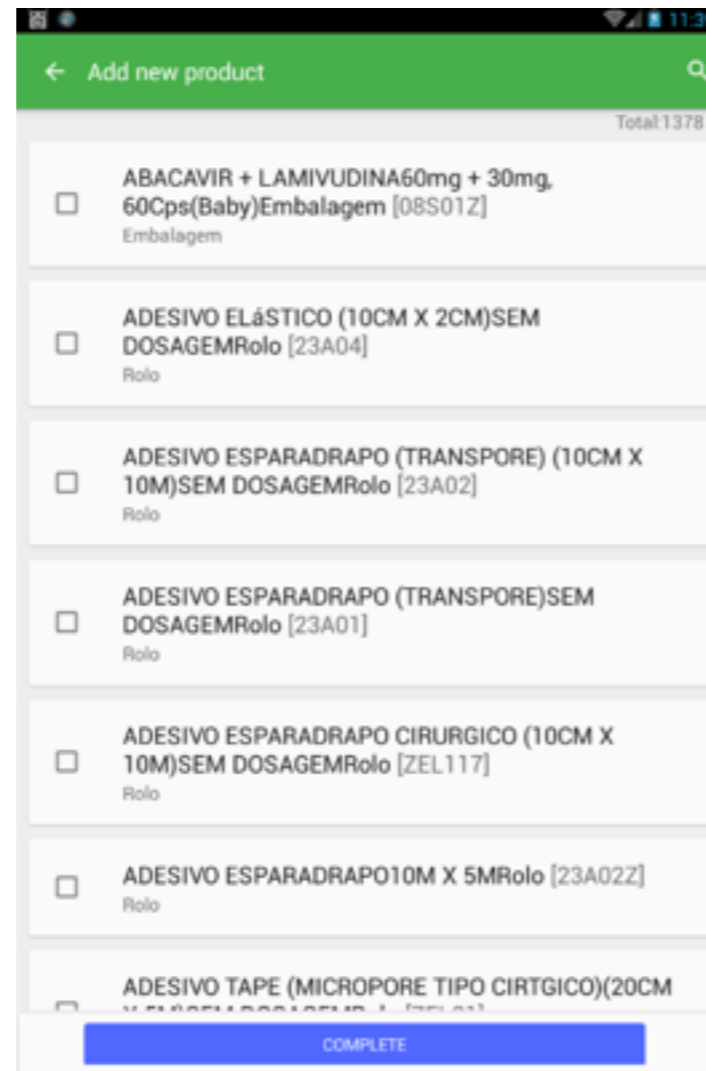
Stock Overview

Sort alphabetically: A to Z

Add new product

Archived drugs

Abacavir sulfato (ABC)300mg 60CpsEmbalagem [08S01] 300mg 60Cps Embalagem	4
Aciclovir400mgComprimidos [08R01] 400mg Comprimidos	0
Acido Ascórbico (Vit C)100mgComprimidos [12D01] 100mg Comprimidos	0
Acido Nalidixico500mgComprimidos [08H01] 500mg Comprimidos	2300
Acido acetilsalicílico (Aspirina)500mgComprimidos [07A02] 500mg Comprimidos	4000
Acido benzóico+Acido salicilico6% + 3%Pomada [15C03] 6% + 3% Pomada	0
Acido salicilico+Betametasona3% + 0,05%Pomada [15B05] 3% + 0,05% Pomada	20
Adesivo Esparadrapo (Transpore)5cm X5mRolo [23A02Y] 5cm X5m Rolo	104
Adrenalina1mg/mL (1:1000)Injetável [13A01] 1mg/mL (1:1000) Injetável	30
Agua para Injetavel5mlInjetável [08L01X] 5ml Injetável	725
Agua para injeccao, 10ml, ampolas [11A00X] 10ml Injetável	0
Albendazol200mgComprimidos [08N01Z] 200mg Comprimidos	800
Albendazol400mgComprimidos [08N01] 400mg Comprimidos	200



Add new product

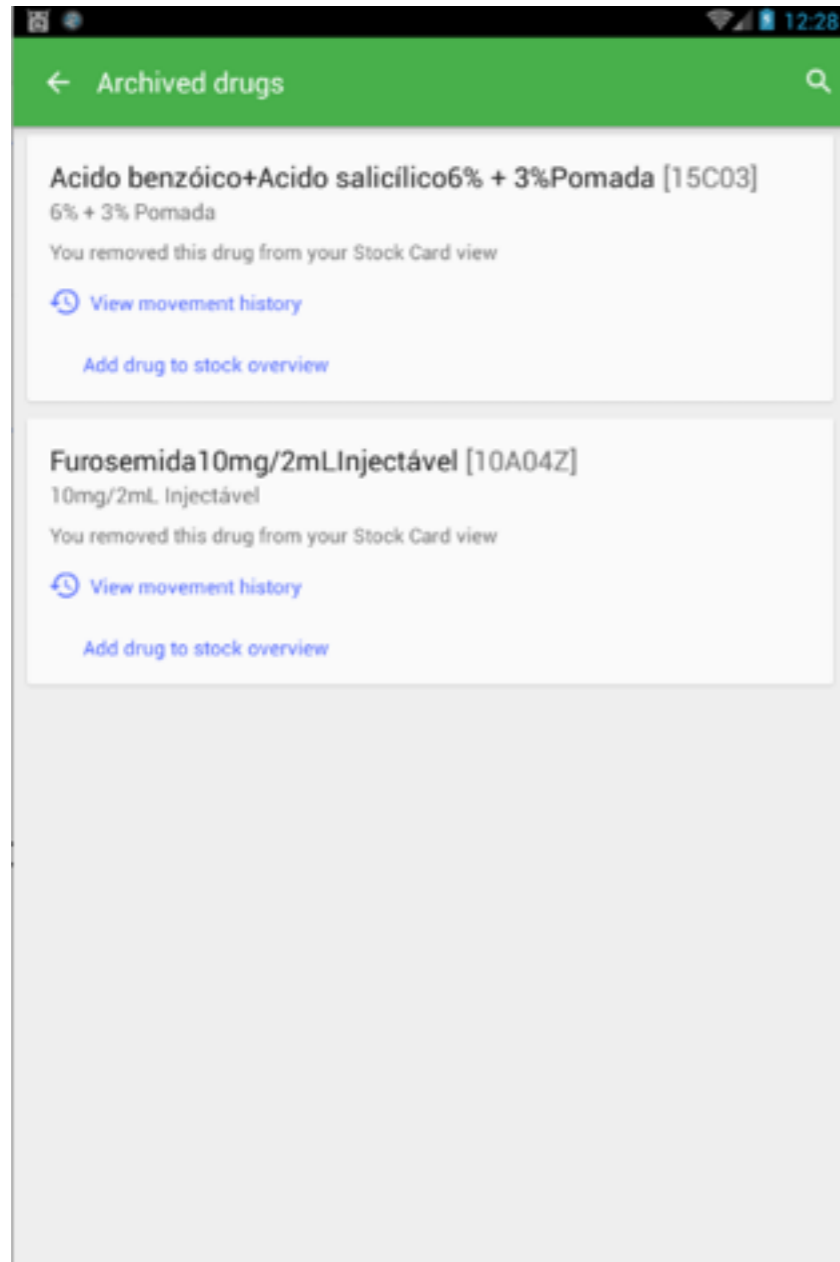
Total 1378

<input type="checkbox"/> ABACAVIR + LAMIVUDINA60mg + 30mg, 60Cps(Baby)Embalagem [08S01Z] Embalagem
<input type="checkbox"/> ADESIVO ELÁSTICO (10CM X 2CM)SEM DOSAGEMRolo [23A04] Rolo
<input type="checkbox"/> ADESIVO ESPARADRAPO (TRANSPORE) (10CM X 10M)SEM DOSAGEMRolo [23A02] Rolo
<input type="checkbox"/> ADESIVO ESPARADRAPO (TRANSPORE)SEM DOSAGEMRolo [23A01] Rolo
<input type="checkbox"/> ADESIVO ESPARADRAPO CIRURGICO (10CM X 10M)SEM DOSAGEMRolo [ZEL117] Rolo
<input type="checkbox"/> ADESIVO ESPARADRAPO10M X 5MRolo [23A02Z] Rolo
<input type="checkbox"/> ADESIVO TAPE (MICROPORE TIPO CIRTGICO)(20CM X 10CM)SEM DOSAGEMRolo [ZEL117] Rolo

COMPLETE

- System admin configures master product list on web portal
- Pharmacists can add drugs the facility uses from master drug list to stock overview list
- The stock overview list is a custom view at each facility

Archive products at the facility level



- Archives products no longer used at the facility
- Different from the existing OpenLMIS archive: OpenLMIS 2.0 archives at central level, here it archives at facility level
- Can still view history
- Can add the archived drug back to the stock overview list

Alerts on stock overview

The screenshot shows a mobile application interface for 'Stock on hand'. The header is green with a back arrow, a search icon, and a menu icon. Below the header, it says 'Sort stock alphabetically'. The main content is a list of drugs with their names, strengths, and stock quantities. Some items have status labels like 'Expiring 11/16', 'Overstock', or 'Low stock'.

Drug Name	Strength	Form	Status	Quantity
Paracetamol	500mg	Comprimidos	Expiring 11/16	12 309
Copaxone	1000mg	Comprimidos		0
Medroxi-progesterona acet (Depo-Provera)	200mg	Comprimidos		879
Rantidina	150mg	Comprimidos	Overstock	4 000
Buprenorphine	500mg	Xarope		0
(Baby) Lamivudina+Nevirapina	30mg + 50mg + 60mg	Po		20
Ibuprofeno	200mg	Injectável	Expiring 11/16, Overstock	34 987
Digoxina	0.25mg	Comprimidos		0
Drug name [FNM]		IngredientAmount Type		3 400
Drug name [FNM]		IngredientAmount Type		905
Drug name [FNM]		IngredientAmount Type	Expiring 11/16, Low stock	542
Drug name [FNM]		IngredientAmount Type		763
Drug name [FNM]		IngredientAmount Type		0
Drug name [FNM]		IngredientAmount Type		90 909

- Stock overview displays information of products: SOH, stock out, over stock, low stock, expiring soon
- Formulae for over stock and low stock are based on average monthly consumption; same formulae for all drugs
- All drugs currently have the same expiry date warning threshold

General information on stock card

← Abacavir sulfato (ABC)300mg 60CpsEm... MOVEMENT HISTORY

Stock Card

CMM: 2

Lot Information: NJ3014006A - Apr 2017 - 2, 3030608 - Aug 2018 - 2

Date of Movement	Origin/Destination of Movement	Document Number	Entries	Negativ Adjustm
16 Sep 2016	District(DDM)	0302547	3	
16 Sep 2016	Public pharmacy			
21 Sep 2016	Inventory			
27 Sep 2016	District(DDM)	9050/16	2	
29 Sep 2016	Inventory correction in case of over stock on Stock card (Stock on hand is less than stock in stock card)			1

NEW MOVEMENT

- UI replicates the paper Stock Card to reduce training
- Displays 5 most recent stock movements
- CMM (aka AMC) auto-calculated based on a formula:
CMM = average consumption over 3 requisition periods without any stock outs
- Lot information: lot number, expiry date and current lot stock on hand

View stock movement history up to 13 months before

← Abacavir sulfato (ABC)300mg 60CpsEmbalagem [08S01]				
Date of Movement	Origin/Destination of Movement	Document Number	Entries	Negative Adjustment
23 May 2016	Inventory			
30 May 2016	Public pharmacy			
02 Jun 2016	District(DDM)	8441	4	
15 Jun 2016	Public pharmacy			
21 Jun 2016	Inventory			
28 Jun 2016	Public pharmacy			
07 Jul 2016	Province (DPM)	0276063	2	
07 Jul 2016	Returns from Customers(HF and dependent wards)			
12 Jul 2016	Public pharmacy			
21 Jul 2016	Inventory			
28 Jul 2016	Public pharmacy			
24 Aug 2016	Public pharmacy			
24 Aug 2016	Inventory			
16 Sep 2016	District(DDM)	0302547	3	
16 Sep 2016	Public pharmacy			
21 Sep 2016	Inventory			
27 Sep 2016	District(DDM)	9050/16	2	
29 Sep 2016	Inventory correction in case of over stock on Stock card (Stock on hand is less than stock in stock card)			1

- Pharmacists can go to movement history page and see history up to 13 months' before
- Movements made more than 13 months ago are archived

Make new stock movement

← Abacavir sulfato (ABC)300mg 60CpsEm... MOVEMENT HISTORY

Stock Card

CMM: 2

Lot Information: NJ3014006A - Apr 2017 - 2, 3030608 - Aug 2018 - 2

Date of Movement	Origin/Destination of Movement	Document Number	Entries	Negativ Adjustm
Issues				
Entries				
Negative Adjustments				
Positive Adjustments				

NEW MOVEMENT

- 4 types of movements in Mozambique: Issues, Entries, Negative Adjustments, Positive Adjustments

Add stock entries / positive adjustments

← Entries Abacavir sulfato (ABC)300mg 60CpsEmbalage...

Date of movement _____ Document number _____

Origin of movement _____

Signature _____

Lot number & expiry date
NJ3014006A - Apr 2017 Amount _____

Existing stock on hand of lot 2

Lot number & expiry date
3030608 - Aug 2018 Amount _____

Existing stock on hand of lot 2

+ Add New Lot

CANCEL COMPLETE

← Entries Abacavir sulfato (ABC)300mg 60CpsEmbalage...

Add new lot to
Abacavir sulfato (ABC)300mg
60CpsEmbalagem [08S01]

What is the lot number?
Lot number _____

When does the lot expire?

Sep	2015
Oct	2016
Nov	2017

CANCEL COMPLETE

- Mandatory: date of movement, origin of movement, signature, entry quantities
- Document number is optional
- Existing lots will be shown
- Currently no source system for lot info, so lot info has to be collected at the facility level
- Pharmacists can add new lot info
- System not able to auto-resolve lot conflicts, i.e. same lot number different lot expiration dates among different facilities. Currently web system takes the first synced up lot information as the correct one

Add issues / negative adjustments

The screenshot shows a form with the following fields and sections:

- Date of movement** (text input)
- Document number** (text input)
- Origin/Destination of movement** (text input)
- Requested** (text input)
- Signature** (text input)
- Lot number & expiry date** section:
 - Lot 1: **NJ3014006A - Apr 2017**, **Amount** (text input)
 - Existing stock on hand of lot: **2**
- Lot number & expiry date** section:
 - Lot 2: **3030608 - Aug 2018**, **Amount** (text input)
 - Existing stock on hand of lot: **2**
- CANCEL** (button)
- COMPLETE** (button)

- Mandatory: date of movement, origin / destination of movement, signature, issue quantities
- Document number and requested are optional
- Existing lots will be shown
- Can only issue / do negative adjustments from existing lots' stock on hand

Other topics

- Product donations: products should be donated through DDM/DPM instead of directly to a facility, but still happens. MoH does not want such donations to happen; facilities want to record such donations when they happen.
- Facility transfer: inter-facility transfer, MoH wants this always done through DDM / DPM, in reality, facility records that it goes to DDM on paper while the transfer is directly to another facility.
- Adjustment reasons: currently configured by a system admin and used for all facilities. This solves the problem of unspecified and unstructured data on paper, but does not give enough flexibility to pharmacists for entering additional explanations.