

19.12. UNFPA LMA reports app

What is it?

Some [UNFPA](#) users are periodically required to produce [Last Mile Assurance \(LMA\)](#) reports. These can be time consuming and difficult to produce manually so we've created an app for that!

This app runs on the central server of your mSupply installation and will create a selection of UNFPA formatted LMA reports as spreadsheet files for you; all you have to do is make some selections to define what transactions and stock should be included in the reports.

The reports take data from the mSupply dashboard and generates excel reports in pre-defined templates. The mSupply server exports data to the mSupply dashboard periodically. The frequency with which data is exported from the mSupply server to the mSupply dashboard will impact on how closely the data in the LMA app matches the data in the mSupply desktop application.

So, for the app to reliably generate data, all three services need to be operating:

- mSupply server
- mSupply dashboard
- UNFGPA LMA reports app
- mSupply Web server - refer [Server tab](#) page for details.

Setup

Store tags

For the purposes of the LMA reports, mSupply needs to know which of the stores in your datafile are the 'Central store' and which are 'Decentralised stores'. You do this by adding appropriate [store tags](#) to the stores:

- 'Central store' must be given the UNFPA_Central store tag
- 'Decentralised stores' must be given the UNFPA_decentralised store tag

For details of how to add tags to stores, please see the [Store tags](#) page.

Using the app



- Since this is a web application, it cannot generate reports larger than 6 MB in size. If the report exceeds 6 MB in size, the generation process could fail.
- We recommend using the filters (date, master-list and donors) to reduce the size of reports. Leaving these filters blank would include *all* data, except for:



- The store by tag filter which defaults to all UNFPA_Central and UNFPA_decentralised stores.
- The date range filter which defaults to a single day, 'Today'. You will likely want to change this, especially since unless you run this at the very end of the day, you will not even get a full day's worth of data!
- We recommend keeping the number of stores to a minimal number.
- The report that generates the largest size file is the **Item Ledger report**, the above recommendations should specially be followed for it, however, sometimes other reports may also generate large reports.

In your browser, enter the URL of your server followed by the port the app is running on (if you don't know what this is, ask the mSupply Foundation support@msupply.foundation. It should be something like this:

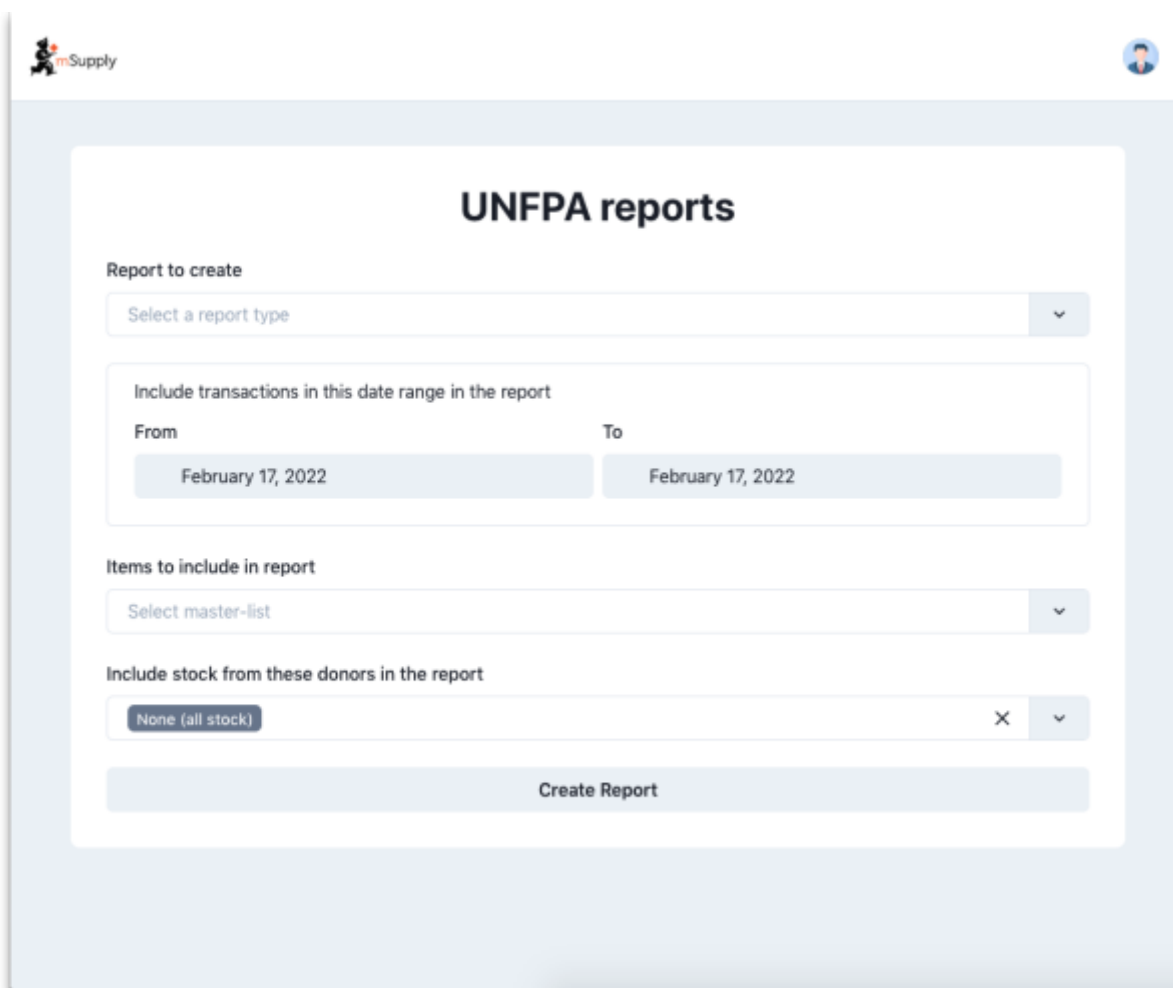
`https://example.com:4000`

The login window will load which looks like this:

The screenshot shows a login window for the 'mSupply' application. At the top is the mSupply logo, which consists of a stylized figure holding a red cross. Below the logo, the text reads 'Sign in to UNFPA LMS reports application'. Underneath that, a smaller line of text says 'Please log in using your mSupply account credentials'. The login form itself is a white box with a shadow. It contains two input fields: 'Username' with a user icon and 'Password' with a lock icon. Both fields have placeholder text. Below the password field is a blue 'Sign in' button.

To login enter your mSupply username and password in the **Username** and **Password** fields and click on the **Sign in** button.

After successfully logging in, the report options window will be displayed:



The screenshot shows the 'UNFPA reports' window in the mSupply application. The window has a light blue header with the mSupply logo on the left and a user profile icon on the right. The main content area is white and contains the following sections:

- Report to create:** A dropdown menu with the text 'Select a report type' and a downward arrow.
- Include transactions in this date range in the report:** Two date input fields labeled 'From' and 'To'. Both fields contain the date 'February 17, 2022'.
- Items to include in report:** A dropdown menu with the text 'Select master-list' and a downward arrow.
- Include stock from these donors in the report:** A dropdown menu with the text 'None (all stock)', a close button (X), and a downward arrow.
- Create Report:** A large, light blue button at the bottom of the form.

On this window, make your selections to define what will go in your report:

- **Report to create drop down list:** Select one of the following options:
 - **Quarterley review report**
 - **LMA IP SC Fact Sheet report**
 - **Stock on date**
 - **Ledger**
- **Include transactions in this date range in the report fields:** click on the **From** and **To** dates to select the dates from calendars. Only transactions with a confirmed date that falls between the **From** and **To** dates will be included in the report.
- **Items to include in report drop down list:** Contains a list of all the master lists in your datafile. Select one to include only items from that master list in the report.
- **Include stock from these donors in the report drop down list:** You can choose one or more donors - if you do then only stock that came from them will be included in the report. You can also choose *None* (the default option), in which case a donor filter will not be applied, and *all* transactions will be included.
- **Store selection**
 - If you selected the **Quarterley review report**, then it is only run on the Centralized stores and you are not given a list of stores to include. If no stores are tagged as

Centralized, then this report is likely to fail.

- If you select any report in the **Report to create** drop down list *EXCEPT* the **Quarterley review report**, an additional store filter is added to the bottom of the options:

Include data from these stores in the report:

Filter stores by tag

☒ All on/off

CODE	NAME	TAGS	SELECTED
03030100	AGEVAIRU SC		<input type="checkbox"/>
03030200	AKUFA SC		<input type="checkbox"/>
13020100	ALEXISHAFEN HC		<input type="checkbox"/>
09070300	ALKENA SC		<input type="checkbox"/>
050102_Dispensary	Alotau GH Dispensary		<input type="checkbox"/>
050102_Main_Store	Alotau GH Main Store	dashboard	<input type="checkbox"/>
Malaria_Alatau	Alotau Malaria Store		<input type="checkbox"/>
120502-Dental	AMGH Dental Clinic		<input type="checkbox"/>
120502-Dispensary	AMGH Dispensary		<input type="checkbox"/>
120502-Main store	AMGH Main store	dashboard	<input type="checkbox"/>

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The table shows a list of all the stores in your datafile.

- To make it more manageable you can choose to display only stores with particular tags by selecting them in the **Filter stores by tag** drop down list.
- If there are many stores, you can use the paging controls at the bottom of the window to move through the different pages and choose how many stores to display on each page.

Click on the *SELECTED* column checkbox to select a store to include in the report. You can click on the **All on/off** checkbox to toggle the *SELECTED* checkbox on and off for all stores on all pages at once. Only transactions and stock from the stores that have a check in the *SELECTED* checkbox will be included in the report.

When you are happy with your selections, click on the **Create Report** button to create the report. mSupply will tell you the report is being generated and will ask you where to save it or which application to open it with when it is finished. The files generated are .xlsx format spreadsheets.



Some of the reports do a huge amount of work and calculation so can take a long time to run, especially if you have chosen a lot of stores, a lot of items or a long period to be included in the report. So make yourself a good cup of coffee and go do something else



for a while. Better that the computer does all the hard work instead of you, right?



Example report outputs

Quarterly review report

[illegible]

LMA IP SC Fact Sheet report

Supply Chain Fact Sheet - Stock Outs Level Summary						
Stockout Levels						
Please provide information and details on key products stockouts at CW and SDP level						
Key products	Current Year Stockout Ratio (%)		Previous Year Stockout Ratio (%)		Comments	
	Central Level	SDP Level	Central Level	SDP Level		
Amoxycillin Capsules, 500mg	0	0	19.51			
Azithromycin Tab, 500mg	0	20	24.49			
Bag, Urine Collecting, with Tap and Valve, 2L	0	20	28.33			
Benzyl Penicillin, Inj., 1 million IU, 600mg	0	0	23.1			
Chloramphenicol Capsules, 250mg	0	20	21.64			
Chloramphenicol Sodium Succinate Inj., 1g	0	0	34.03			
Cefuroxime Tab, 250mg	0	20	23.73			
Doxycycline Tab, 100mg	0	40	26.9			
Dressing, Combined, 8cm x 10cm	0	20	37.26			
Fludoxacin Capsule, 500mg	0	0	18.08			
Fludoxacin Capsules, 250mg	0	0	19.62			
Fludoxacin Inj., 500mg	0	60	58.19			
Gauze, Absorbent, 100cm x 6m	0	1.67	36.6			
Gentamicin Injection, 80mg in 2ml	0	0	15.23			
Gentamicin Paediatric Inj., 20mg in 2ml	0	0	58.63			
Glove, Examination, Latex, Non-Sterile, Large, PA	0	20	34.08			
Glove, Examination, Latex, Non-Sterile, Medium	0	0	33.04			
Glove, Post Mortem, Size 7	0	40	60.82			
Glucose 2.5% in Half Strength Glarrows Soln., 50	0	0	22.47			
Hydrocortisone Sodium Succinate Inj., 100mg x 50	0	0	48.92			
Metronidazole 1L Inj., 500mg/100mg	0	20	30.68			
Paracetamol Suppository, 125mg, Pack/20	0	1.25	23.15			
Paracetamol Suppository, 250mg, Pack/20	0	20	41.32			
Paracetamol Tab, 500mg	0	0	23.12			
Plaster, Adhesive, 2.5cm x 5m	0	0	18.52			
Plaster, Adhesive, Ext., 7.5cm x 3m	0	40	29.7			
Sodium Chloride Inj., 0.9%, 1L	0	0	23.75			
Trimethoprim 40mg + Sulfamethoxazole 200mg	0	18.75	23.63			
Trimethoprim 80mg + Sulfamethoxazole 400mg	0	23.67	34.41			
Average	0	0	0			

GENERAL INFORMATION	1. UNFPA Deliveries Summary	2. Customs Clearance Overview	3.1 CW Overview	3.2 CW Dist Summary	3.3 COW Overview & Dist Summary	4. Dist Process Overview	5. Stockout Levels Summary
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Stock on date report

Stock on date report 2021-02-17. Store: <small>Waiwaka</small>														
Store	Item Code	UNFPA Item Code	Item Name	Supplier	Batch	Expiry date	Donor	Pack size	Number of packs	Price per pack (Local)	Price per pack (USD)	Total pieces	Total value (USD)	
Waiwaka	103100		Amoxycillin Capsules, 500mg	Pharmacia	141010	10/30/2017		100	4,972	7.65	\$2.18	497,200	\$10,838.96	
Waiwaka	103100		Amoxycillin Capsules, 500mg	Pharmacia	170354	03/30/2020		100	230	8.46	\$2.41	23,000	\$554.30	
Waiwaka	103100		Amoxycillin Capsules, 500mg	Pharmacia	1707006	07/31/2020		100	360	8.46	\$2.41	36,000	\$867.60	
Waiwaka	103100		Amoxycillin Capsules, 500mg	Pharmacia	1707013	07/30/2020		100	2,019	15.00	\$4.28	201,900	\$8,641.32	
Waiwaka	103100		Amoxycillin Capsules, 500mg	Pharmacia	2007519	07/30/2023		100	150	3.00	\$0.86	0	\$0.00	
Waiwaka	103100		Amoxycillin Capsules, 500mg	Pharmacia	2008516	08/30/2023		100	250	6.00	\$1.71	20,000	\$342.00	
Waiwaka	103100		Amoxycillin Capsules, 500mg	Pharmacia	2008527	08/30/2023		100	800	1.00	\$0.29	0	\$0.00	
Waiwaka	103100		Amoxycillin Capsules, 500mg	Pharmacia	2008534	08/30/2023		100	650	2.00	\$0.57	0	\$0.00	
Waiwaka	103100		Amoxycillin Capsules, 500mg	Pharmacia	5797197	10/30/2020		100	2,300	17.84	\$5.09	230,000	\$11,707.00	
Waiwaka	103100		Amoxycillin Capsules, 500mg	Pharmacia	5797199	10/30/2020		100	5,500	17.84	\$5.09	550,000	\$27,995.00	
Waiwaka	103100		Amoxycillin Capsules, 500mg	Pharmacia	5797201	10/30/2020		100	900	17.84	\$5.09	90,000	\$4,581.00	
Waiwaka	103100		Amoxycillin Capsules, 500mg	Pharmacia	SE016C01	02/28/2023		100	1,490	0.00	\$0.00	0	\$0.00	
Waiwaka	10530110		Azithromycin Tab., 500mg	Pharmacia	190916	09/30/2022		100	730	1.00	\$0.29	0	\$0.00	
Waiwaka	10530110		Azithromycin Tab., 500mg	Pharmacia	ADFH0144	07/30/2019		3	2,160	1.14	\$0.33	6,480	\$712.80	
Waiwaka	10530110		Azithromycin Tab., 500mg	Pharmacia	ADFH0148	08/30/2020		3	9,477	0.03	\$0.01	28,431	\$94.77	
Waiwaka	10530110		Azithromycin Tab., 500mg	Pharmacia	E01038	04/30/2022		3	25	0.00	\$0.00	0	\$0.00	
Waiwaka	10530110		Azithromycin Tab., 500mg	Pharmacia	G704743	07/30/2019		3	20,198	1.14	\$0.33	60,594	\$6,665.34	
Waiwaka	10530110		Azithromycin Tablets, 500mg	Pharmacia	E01038	09/30/2022		3	20	2.00	\$0.57	30	\$5.70	
Waiwaka	20400080		Bag, Urine Collecting, with Tap and Valve, 2L	Pharmacia	22100601	01/30/2026		1	175	0.00	\$0.00	0	\$0.00	
Waiwaka	20400080		Bag, Urine Collecting, with Tap and Valve, 2L	Pharmacia	N17F010	05/30/2021		1	2,800	3.95	\$1.13	2,800	\$3,164.00	
Waiwaka	20400080		Bag, Urine Collecting, with tap and valve, 2L	Pharmacia	22014212	01/30/2026		1	5	0.00	\$0.00	5	\$0.00	
Waiwaka	10530130		Benzyl Penicillin, Inj., 1 million IU, 600mg	Pharmacia	200808	08/30/2023		1	6,250	0.00	\$0.00	0	\$0.00	
Waiwaka	110400		Chloramphenicol Capsules, 250mg	Pharmacia	191238	12/30/2022		100	100	6.00	\$1.71	0	\$0.00	
Waiwaka	110400		Chloramphenicol Capsules, 250mg	Pharmacia	2002011	02/28/2023		100	6,876	2.00	\$0.57	551,600	\$3,144.12	
Waiwaka	110400		Chloramphenicol Capsules, 250mg	Pharmacia	C-79001	01/30/2021		100	1,181	24.55	\$7.00	118,100	\$8,267.00	
Waiwaka	110400		Chloramphenicol Capsules, 250mg	Pharmacia	XC9K008	10/30/2022		100	20	5.00	\$1.43	0	\$0.00	
Waiwaka	10530210		Chloramphenicol Sodium Succinate Inj., 1g	Pharmacia	170372	03/30/2020		1	29,600	0.78	\$0.22	29,600	\$6,512.00	
Waiwaka	10530210		Chloramphenicol Sodium Succinate Inj., 1g	Pharmacia	170372	03/30/2020		1	14	0.78	\$0.22	14	\$3.08	
Waiwaka	10530210		Chloramphenicol Sodium Succinate Inj., 1g	Pharmacia	170372	03/30/2020		1	20,000	0.78	\$0.22	20,000	\$4,400.00	
Waiwaka	10530210		Chloramphenicol Sodium Succinate Inj., 1g	Pharmacia	170372	06/30/2020		1	6,900	0.78	\$0.22	6,900	\$1,518.00	
Waiwaka	10530210		Chloramphenicol Sodium Succinate Inj., 1g	Pharmacia	171223	12/30/2020		1	10,000	3.00	\$0.86	10,000	\$8,600.00	
Waiwaka	10530210		Chloramphenicol Sodium Succinate Inj., 1g	Pharmacia	20CG08	04/30/2023		1	100	1.00	\$0.29	0	\$0.00	
Waiwaka	10530210		Chloramphenicol Sodium Succinate Inj., 1g	Pharmacia	K85118	12/30/2020		1	17,000	6.95	\$1.98	17,000	\$33,660.00	

Ledger report

Item ledger report 2021-01-01 to 2021-03-01. Store: <small>Waiwaka</small>														
Amoxycillin Capsules, 500mg (103100)														
Date	Trans. No.	Transaction Type	Transaction Sub-type	To / From	Donor	Batch	Expiry date	Pack size	Number of packs	Price per pack (Local)	Price per pack (USD)	Total pieces	Total value (USD)	Running total pieces
2021-01-01		Opening Balance				141010	10/30/2017	100	-50	8	\$2.18	-5000	-\$109.08	-5000
2021-03-01		Closing balance				141010	10/30/2017	100	50	7.65	\$2.18	5000	\$109.08	0
Chloramphenicol Capsules, 250mg (110400)														
Date	Trans. No.	Transaction Type	Transaction Sub-type	To / From	Donor	Batch	Expiry date	Pack size	Number of packs	Price per pack (Local)	Price per pack (USD)	Total pieces	Total value (USD)	Running total pieces
2021-01-01		Opening Balance						100	-50	0	\$0.00	-5000	\$0.00	-5000
2021-03-01		Closing balance						100	50	0.00	\$0.00	5000	\$0.00	0
Paracetamol Suppository, 250mg, Pack/20 (145400)														
Date	Trans. No.	Transaction Type	Transaction Sub-type	To / From	Donor	Batch	Expiry date	Pack size	Number of packs	Price per pack (Local)	Price per pack (USD)	Total pieces	Total value (USD)	Running total pieces
2021-01-01		Opening Balance				7002006	03/30/2019	1	-1	2	\$0.69	-1	-\$0.69	-1
2021-03-01		Closing balance				7002006	03/30/2019	1	1	2.43	\$0.69	1	\$0.69	0
Benzyl Penicillin, Inj., 1 million IU, 600mg (10530130)														
Date	Trans. No.	Transaction Type	Transaction Sub-type	To / From	Donor	Batch	Expiry date	Pack size	Number of packs	Price per pack (Local)	Price per pack (USD)	Total pieces	Total value (USD)	Running total pieces
2021-01-01		Opening Balance												
2021-03-01		Closing balance												

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