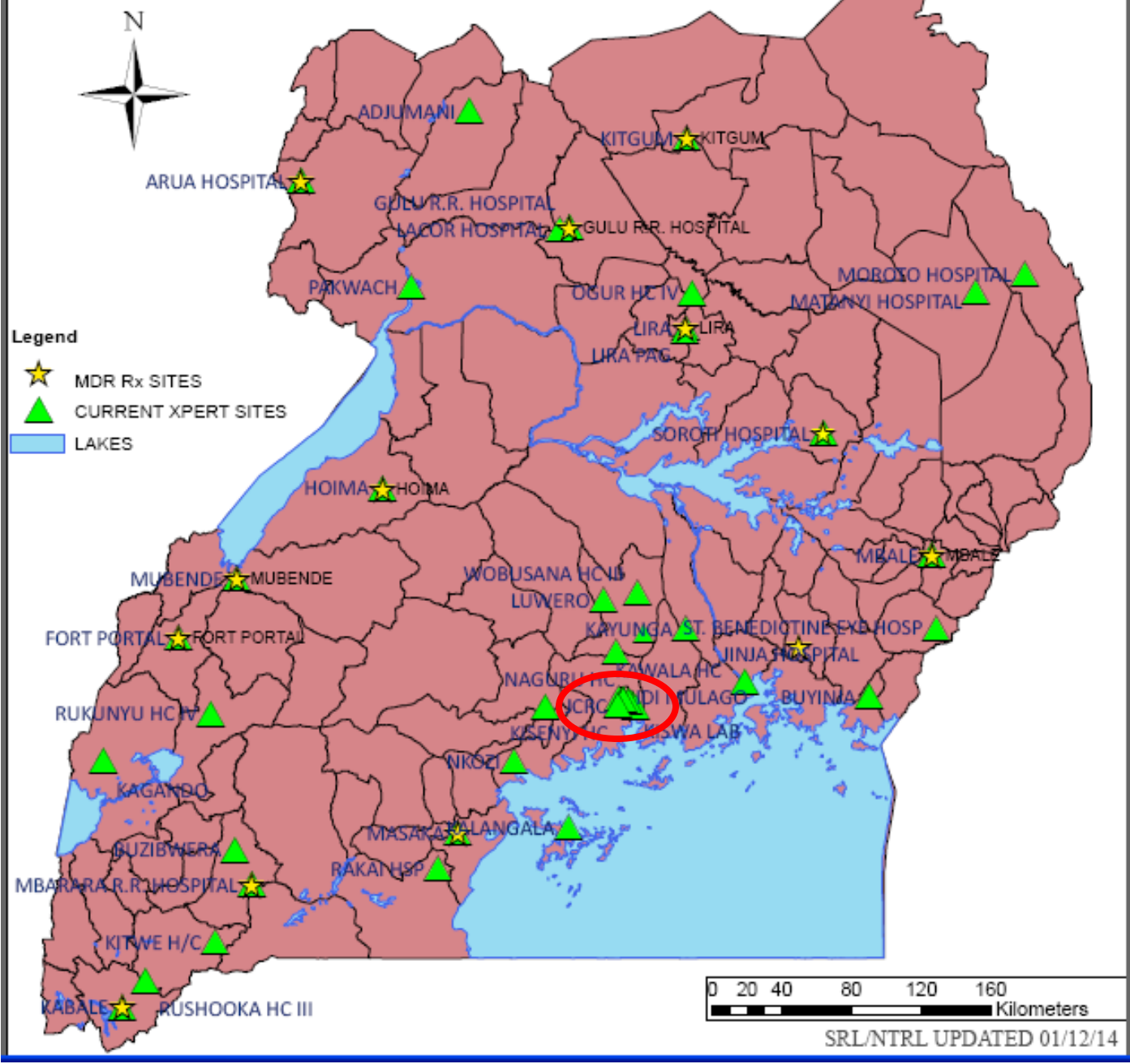


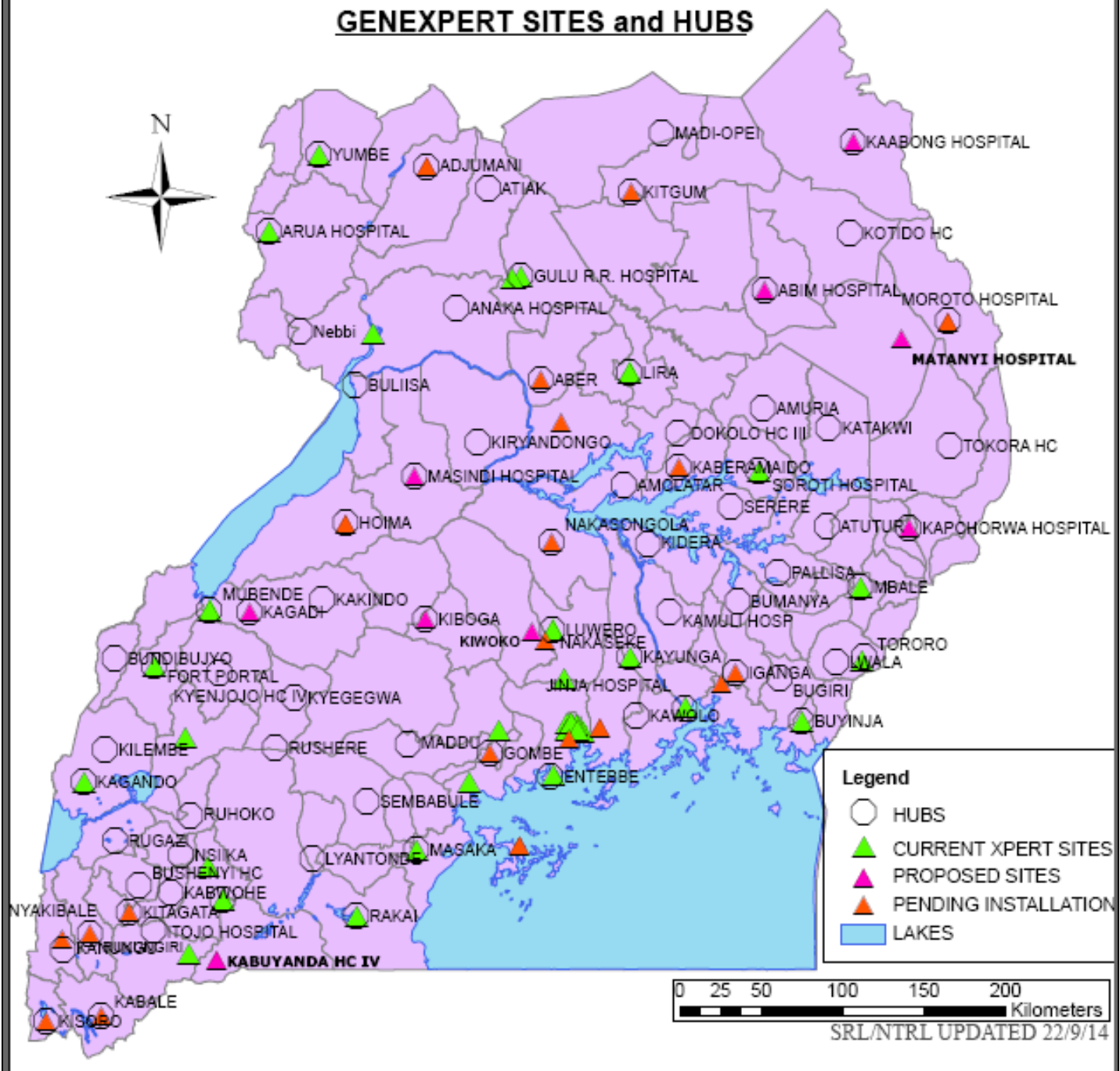
Introduction of GxAlert in Uganda

Moses Joloba

GENEXPERT SITES AND MDR RX SITES



GENEXPERT SITES and HUBS



Legend

- HUBS
- ▲ CURRENT XPERT SITES
- ▲ PROPOSED SITES
- ▲ PENDING INSTALLATION
- LAKES

0 25 50 100 150 200 Kilometers

SRL/NTRL UPDATED 22/9/14

GeneXpert data

- Xpert data is very critical for the following reasons:
 - Monitoring performance of the machines
 - Monitoring usage of cartridges
 - Ensuring all patients detected are put on treatment more so MDR & HIV patients
 - Capturing TB indicators
 - For planning purposes

Xpert data collection

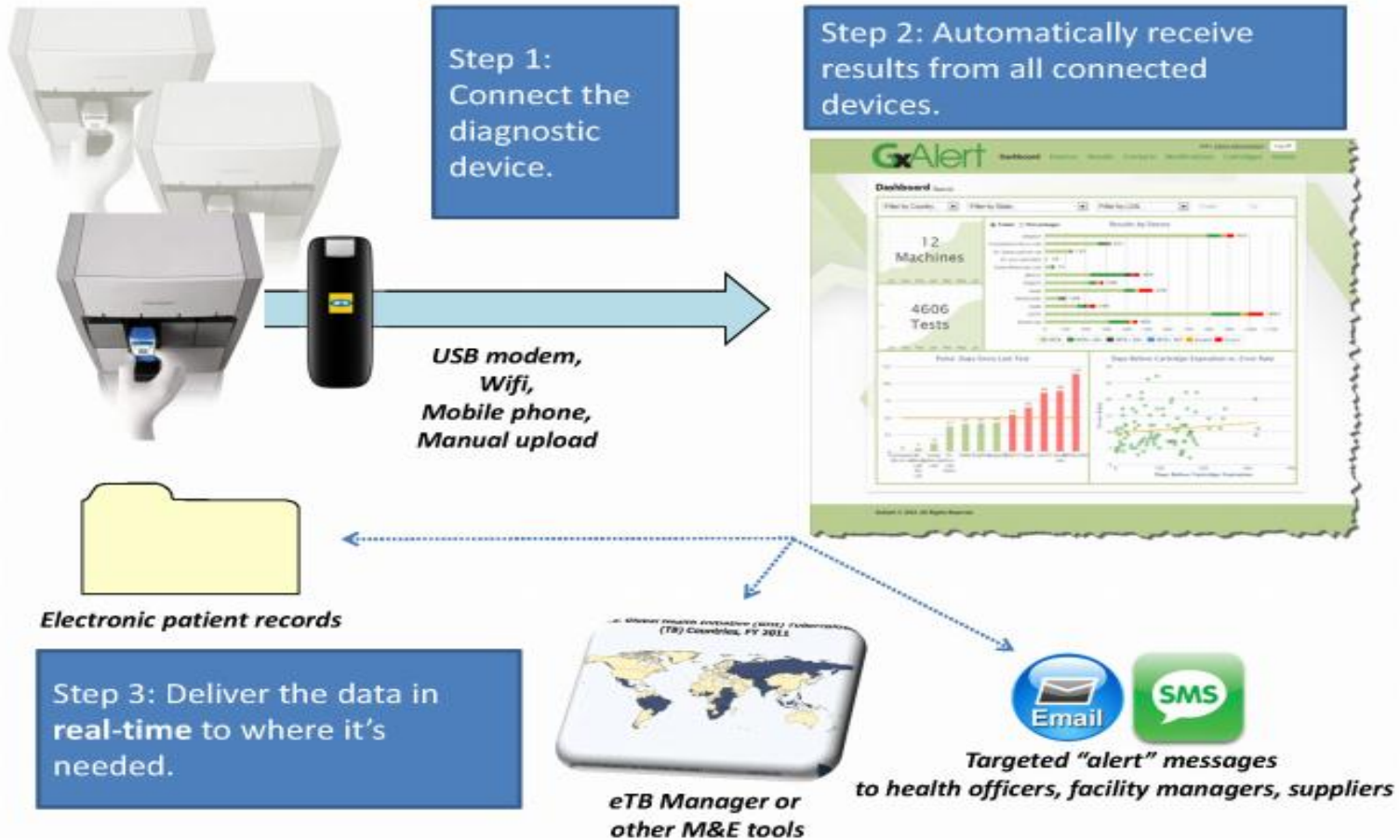
- Without GxAlert Xpert data was collected through:
 - Telephone calls – weekly
 - SMS
 - E-mail
 - Monthly support Supervision
 - Visits from the center – very expensive

Xpert data collection challenges

- Not many Xpert users are proficient in extracting data
- Extracting data, sending it to the center is added workload – not much welcome
- Collection of data monthly is not timely to ensure all patients are treated
- Most of the Xpert sites lack new lab registers which capture Xpert data.
- Challenges with aggregating the data and sending it to the programme and treatment sites
- Challenges with communication to the patients

How GxAlert Works

How GxAlert Works



DEVICES

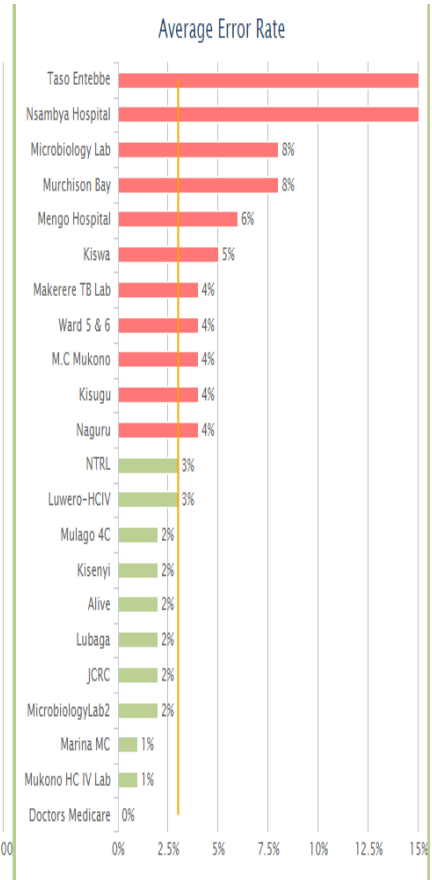
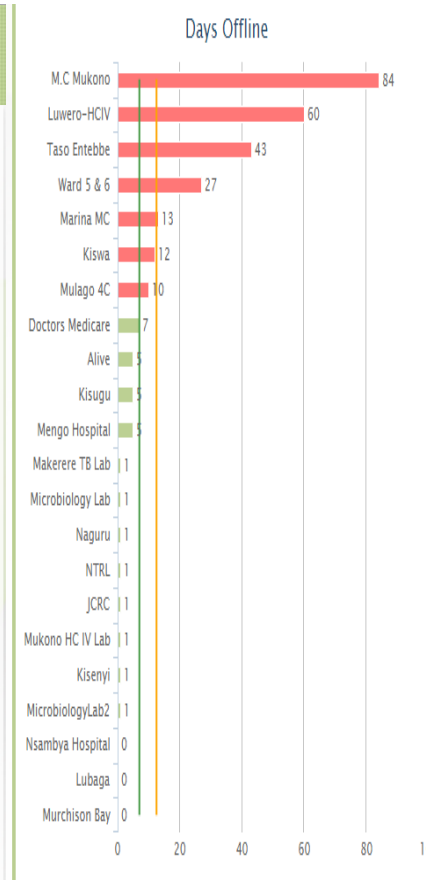
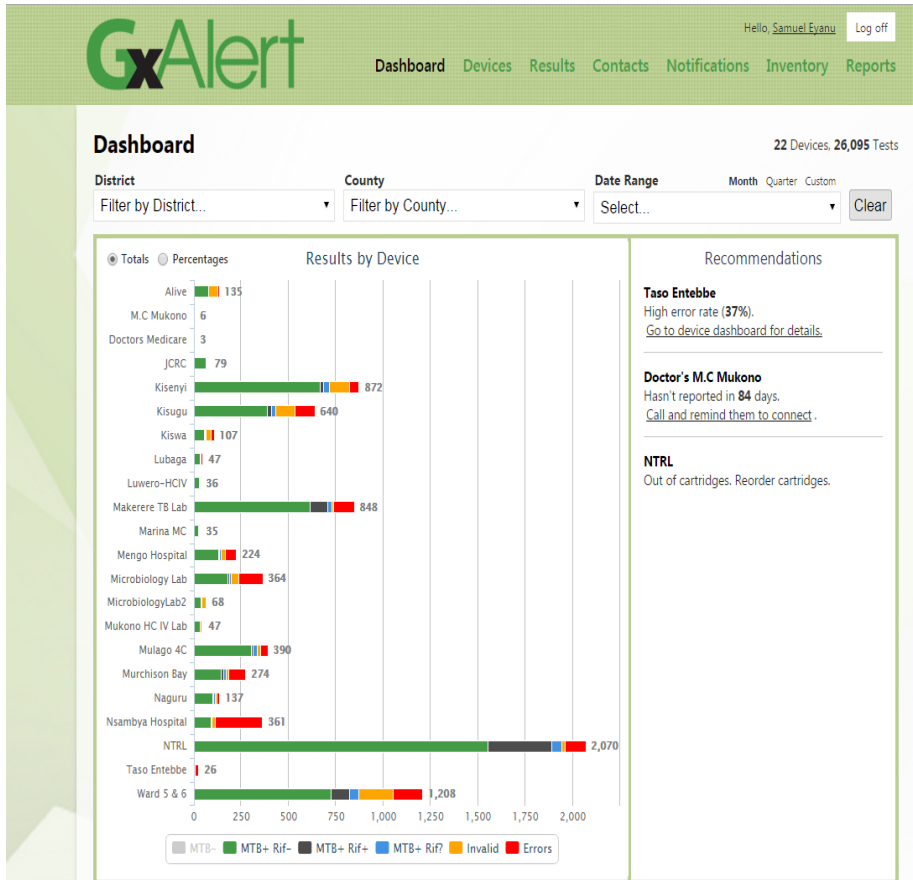
Devices/Health Facilities Connected to GxAlert Which includes Genexpert 22 sites which clearly shows reporting status in month, days, minutes and seconds real time reporting.

The screenshot displays the GxAlert interface with the following elements:

- Header:** GxAlert logo, user name "Hello, Samuel Eyanu", and "Log off" button.
- Navigation:** Dashboard, Devices, Results, Contacts, Notifications, Inventory, Reports.
- Section:** GeneXpert Devices.
- Filters:** District (Filter by District...), County (Filter by County...), Date Range (Select...), and options for Month, Quarter, Custom, Clear, and Export.
- Table:** A table listing 22 devices with columns: Device, Status, Reporting For, Last Upload, Total, MTB-, MTB+ Rif-, MTB+ Rif+, MTB+ Rif?, Invalid, and Errors.

Device	Status	Reporting For	Last Upload	Total	MTB-	MTB+ Rif-	MTB+ Rif+	MTB+ Rif?	Invalid	Errors
Alive	Active	4 months	5 days ago	632	497	76	2	1	45	11
Doctor's M.C Mukono	Active	4 months	3 months ago	50	44	4	0	0	0	2
Doctors Medicare Muk	Active	a month	7 days ago	16	13	2	0	0	1	0
JCRC	Active	2 months	15 hours ago	289	210	64	4	0	6	5
Kisenyi	Active	4 months	13 hours ago	2,995	2,123	667	15	34	106	50
Kisugu	Active	4 months	5 days ago	2,649	2,009	387	23	21	101	108
Kiswa	Active	2 months	12 days ago	321	214	56	3	3	30	15
Lubaga	Active	4 months	7 days ago	150	130	14	2	1	1	2
Luwero-HCTV	Active	2 months	2 months ago	158	122	28	0	1	3	4
Makerere University TB Lab	Active	5 months	a day ago	3,010	2,162	612	93	22	11	110
Marina Medical Center	Active	4 months	13 days ago	209	174	25	1	3	3	3
Mengo Hospital	Active	4 months	5 days ago	1,020	796	129	5	9	23	58
Microbiology Lab Mul	Active	5 months	21 hours ago	1,709	1,345	177	10	11	37	129
Microbiology Lab2	Active	2 months	11 hours ago	329	261	39	2	3	18	6
Mukono HC IV Lab	Active	2 months	14 hours ago	236	189	31	0	1	12	3
Mulago 4C	Active	5 months	10 days ago	1,492	1,102	305	8	23	17	37
Murchison Bay Luzira	Active	a month	6 days ago	1,124	851	141	15	13	13	91
Naguru	Active	4 months	19 hours ago	422	285	99	6	8	8	16
Nsambya Hospital	Active	2 months	17 minutes ago	1,214	853	90	3	0	19	249
NTRL	Active	5 months	16 hours ago	3,610	1,540	1,550	340	53	18	109
Taso Entebbe	Active	a month	a month ago	49	23	3	1	0	4	18
Ward 5 & 6	Active	5 months	a month ago	4,184	2,976	724	98	49	179	158
Totals:				25,868	17,919	5,223	631	256	655	1,184

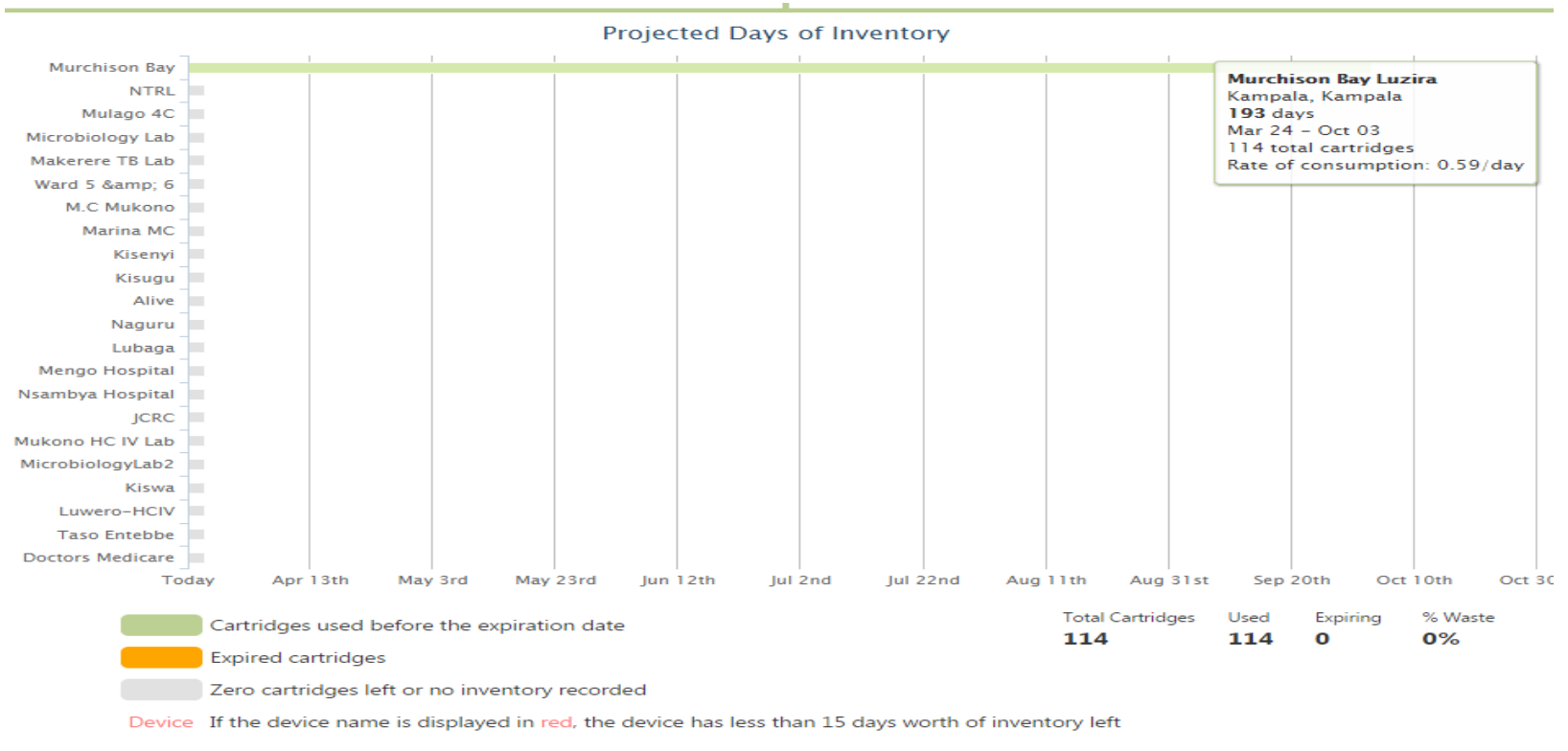
Dashboard



Status of Device showing **Total number** tests done with **Green** is positive, **Black** is rif Resistant, **Blue** is RIF indeterminate, **Yellow** are the invalids and **Red** are Errors

Inventory

Track usage of cartridges: Inventory of Murchison Bay Luzira



Benefits of GxAlert

- Regular receipt of weekly data
 - 87% of 22 sites in Kampala
- Vs
- 26% of 71 sites without GX Alert

Next steps

- Extend to the rest of the country
- Automatically send information to patients and clinicians
- Uninterrupted internet connection

THANK YOU