

SOP: Kisumu HIE Integration with TaifaCare(Powered by KenyaEMR)

[Last update: Feb 2026]

TASK:	Setting Kisumu HIE Integration with TaifaCare(K)
OBJECTIVE:	To facilitate exchange of information/data between Kisumu HIE and TaifaCare(K)
WHO:	Facility System Admin, Partner supporting site HIS staff
REQUIREMENTS:	Functional TaifaCare, RMS Module

Background:

Palladium, in collaboration with PharmAccess, has been spearheading efforts to enable seamless data exchange between TaifaCare and the Kisumu Health Information Exchange (HIE). The goal is to ensure that patient information captured in TaifaCare can be securely shared and accessed across other EMRs within the County, such as Wonder4Health EMR.

This integration is designed to improve continuity of care: when a patient is seen at one facility using a particular EMR and later visits another facility running a different EMR, the receiving system will be able to pull the patient's data directly from the Kisumu HIE. The shared dataset is currently limited to MNCH-related information, specifically:

- Demographic details
- Maternal profiles

By centralizing this information, the initiative reduces duplication of work, particularly at Maternal and Child Health (MCH) clinics where providers often face the burden of double entry across multiple systems. Ultimately, this strengthens interoperability, enhances efficiency, and supports better patient outcomes across the County

Deploying RMS Integration Module in TaifaCare

Deployment of the RMS module: Obtain the RMS Integration Package from Palladium KeHMIS and extract it to your home directory

<p>1. Access the directory as show:</p> <p>Steps:</p> <ul style="list-style-type: none"> • Confirm that the rmsdataexchange-1.2.9.omod is available • Copy the omod file to the modules directory as shown • Assign necessary rights and ownership to the file 	<pre style="background-color: #2e3436; color: #eeeeec; padding: 10px;"> test@test:~\$ cd TaifaCare_RMS_Integration_package_19022026/ test@test:~/TaifaCare_RMS_Integration_package_19022026\$ ll total 168 drwxrwxr-x 2 test test 4096 Feb 19 11:48 ./ drwxr-x--- 28 test test 12288 Feb 24 09:18 ../ -rw-rw-r-- 1 test test 148276 Feb 19 11:29 rmsdataexchange-1.2.9.omod -rw-rw-r-- 1 test test 1732 Feb 19 11:48 'TaifaCare - RMS Integration Checklist' test@test:~/TaifaCare_RMS_Integration_package_19022026\$ sudo cp rmsdataexchange-1.2.9.omod /var/lib/OpenMRS/modules/ [sudo] password for test: test@test:~/TaifaCare_RMS_Integration_package_19022026\$ sudo chmod 755 -R /var/lib/OpenMRS/ test@test:~/TaifaCare_RMS_Integration_package_19022026\$ sudo chown tomcat:tomcat -R /var/lib/OpenMRS/ </pre>
<p>3. Update the global properties end points</p> <p>Steps:</p> <ul style="list-style-type: none"> - Login to MySQL and set current database to openmrs - Run these scripts to update global properties end points - Run the last script to delete rms Liquibase 	<pre style="font-family: monospace; padding: 10px;"> UPDATE openmrs.global_property SET property_value = 'kenya-emr' WHERE (property = 'rmsdataexchange.hiecr.integration.username'); UPDATE openmrs.global_property SET property_value = 'dydKue6YS7w35SV' WHERE (property = 'rmsdataexchange.hiecr.integration.password'); UPDATE openmrs.global_property SET property_value = 'IntellisoftKisumuClinic' WHERE (property = 'rmsdataexchange.hiecr.integration.facilityName'); UPDATE openmrs.global_property SET property_value = 'https://hie.kisumu.go.ke/api/client-registry/v1/Patient' WHERE (property = 'rmsdataexchange.hiecr.integration.endpoint'); UPDATE openmrs.global_property SET property_value = 'true' WHERE (property = 'rmsdataexchange.rms.integration.enabled'); UPDATE openmrs.global_property SET property_value = 'true' WHERE (property = 'rmsdataexchange.hiecr.integration.enabled'); </pre>

- Restart tomcat9 when done
- Confirm that the module is running

```
UPDATE openmrs.global_property SET property_value = 'true' WHERE (property = 'rmsdataexchange.hiemch.integration.enabled');
```

```
DELETE FROM liquibasechangelog WHERE id like 'kenyaemr_rms%';
```

```
sudo service tomcat9 restart
```

Modules

NOTE: Adding, removing, or starting modules will restart OpenMRS, meaning that all scheduled tasks and background processes will be interrupted.

[Add or Upgrade Module](#) [Check for Upgrades](#)

Manage Modules

Action	Name	Version	Author	Description
	Initializer	2.9.0	Mekom Solutions	The OpenMRS Initializer module is an API-only module that
	RMS Data Exchange	1.2.9	Palladium KeHMIS	RMS Data Exchange...
	Order Templates	1.0.3-SNAPSHOT	ibacher	Backend module to handle order templates...

4. Set RMS Scheduler parameters

On the OpenMRS Admin panel, locate the Schedule as shown and click **Manage Scheduler**. This will open the Scheduler Management panel. Set the frequency and start the scheduler

<input type="checkbox"/>	Started Runs again in 3s	Push RMS Queue Task org.openmrs.module.rmsdataexchange.task.PushRMSQueueTask	Runs every 30 seconds From 11:59:59pm , Starting on Apr 01 2025	1 December 2025 at 00:13:59 EAT	Yes (automatic)
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5. Workflows: Test procedure

- i) Select a pregnant woman
- ii) Start visit
- iii) Fill a clinical encounter (to create encounter and observation)
- iv) Checkout patient

Note: Checkout observe logs

```
#50002, priority=normal, status=concept #10101, sortweight=010, collected
ed to validate with reason: startedAt: Queue entry cannot start after the visit
rmsdataexchange module: starting the RMS queue processing scheduled task
rmsdataexchange Module: Getting all queued items
rmsdataexchange module: Queue Processing: There are some items in the queue
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```

On the terminal type to view logs: ***tail -f /var/lib/tomcat9/logs/catalina.out***

*****THE END*****