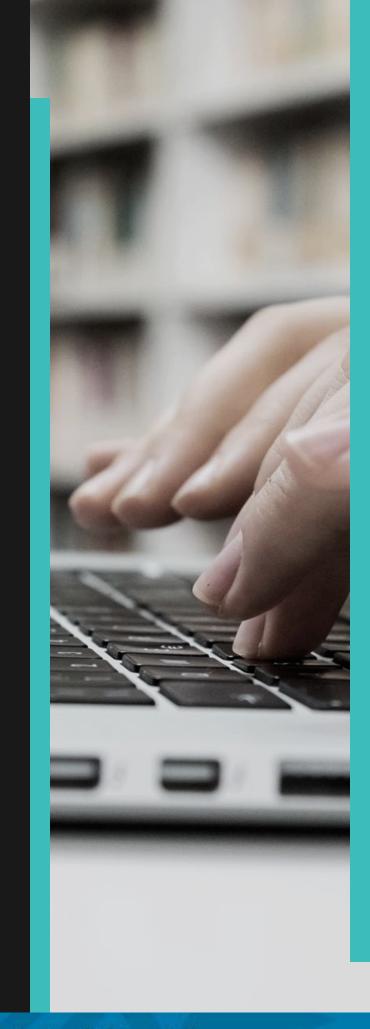
IMPLEMENTATION OF NATIONAL HEALTH INFORMATION YSTEM

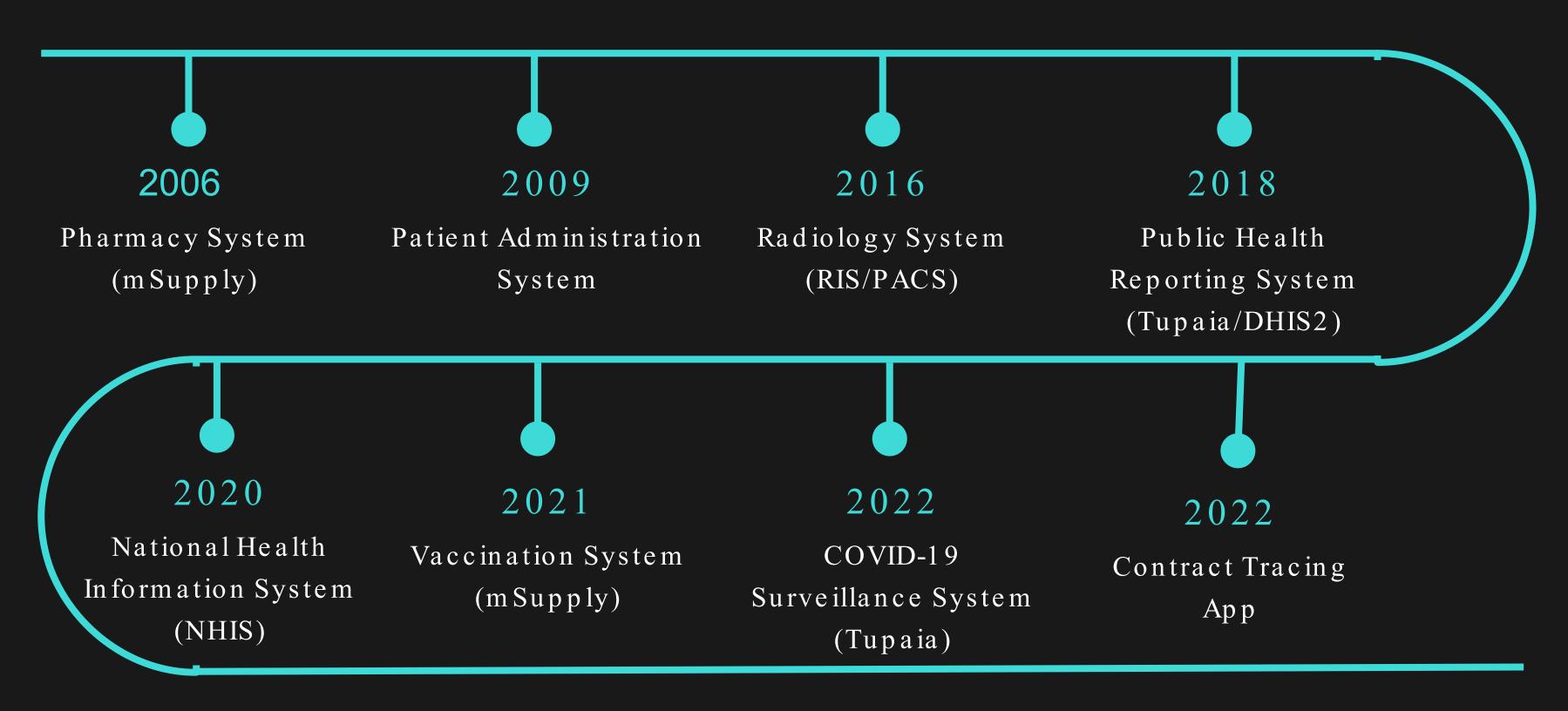
PHIN MEETING - TONGA'S DIGITAL HEALTH JOURNEY



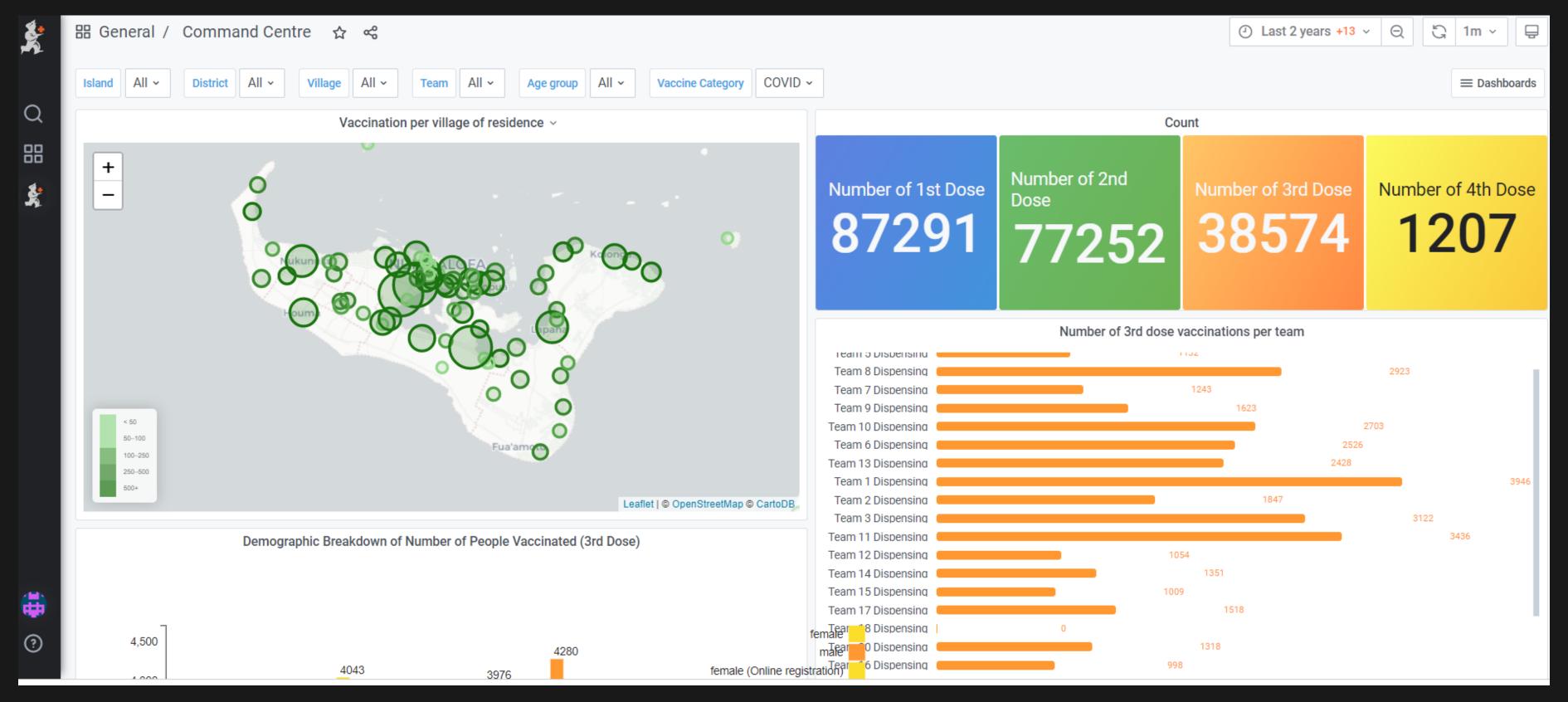




Implementation Timeline of Digital Health Systems



COVID-19 VACCINATION SYSTEM



COVID-19 SURVEILLANCE SYSTEM



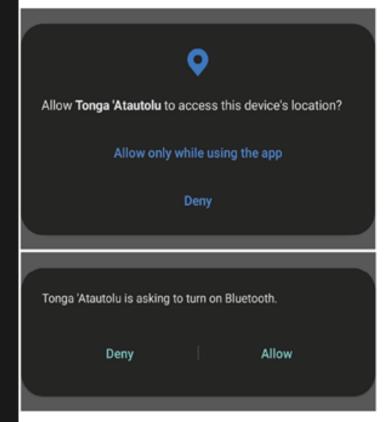
COVID-19 SURVEILLANCE SYSTEM



CONTACT TRACING APP

Due to the underlying system architecture of Android operating system, Android devices need to use location permission to enable Bluetooth feature.

NOW



Tonga 'Atautolu does not capture location nformation. Location service can be turned off after setup is completed.

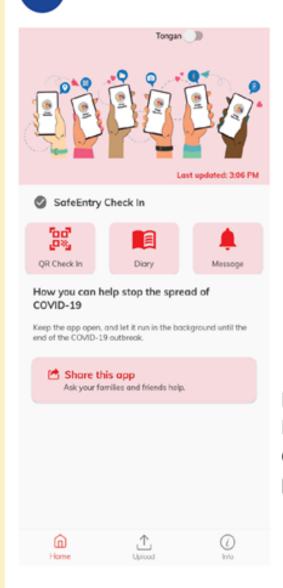
Apple/iOS devices need to allow notifications and turn on Bluetooth to complete setup.



Please use the in-app Power Saver Mode while having the **Tonga 'Atautolu** app in the foreground.

you, at the earliest.

The **Tonga 'Atautolu** app is now running.





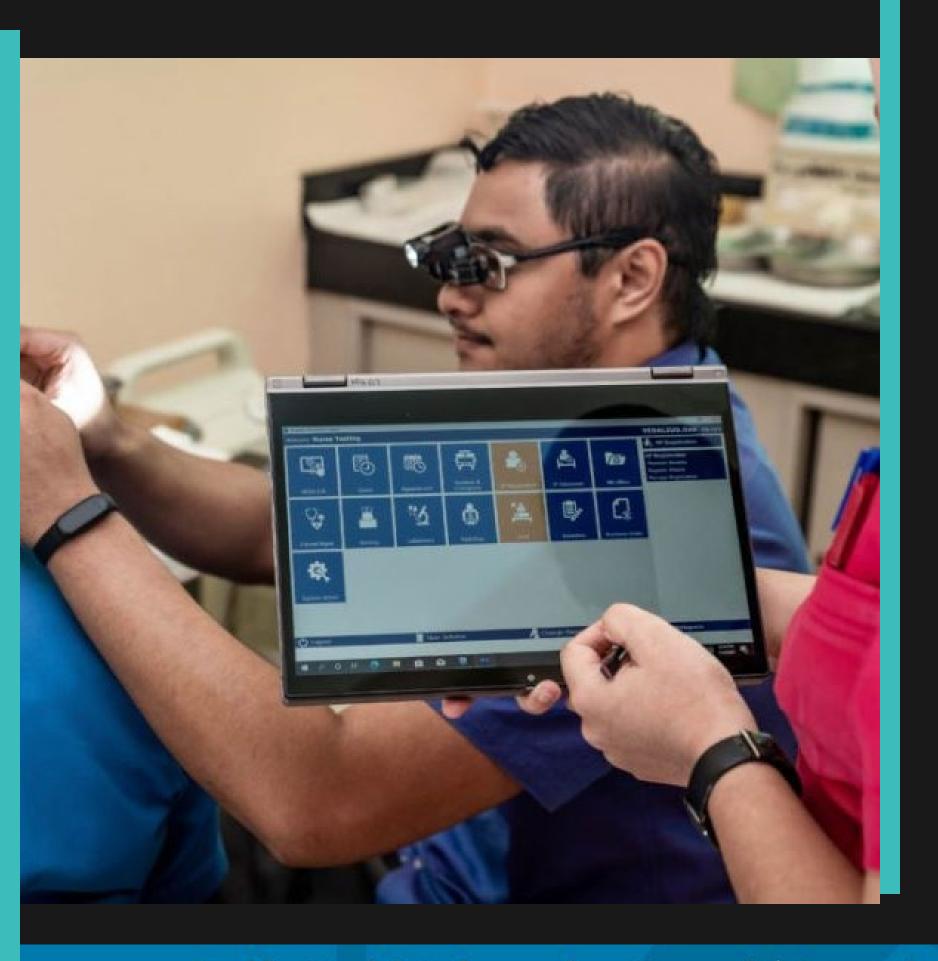
Share the **Tonga 'Atautolu** app to friends and family.



Please ensure that Bluetooth is always enabled on your phone or tablet. your mobile number.







NATIONAL HEALTH INFORMATION SYSTEM







BUSINESS REQUIREMENTS

Core Functionality of the System

TECHNICAL REQUIREMENTS

Security, Back-up, Disaster Recovery, Integration, Data Migration, Data Center, Network, Computers etc



PROCESS MAPPING

Mapping Workflows and Processes - Existing and Future Changes

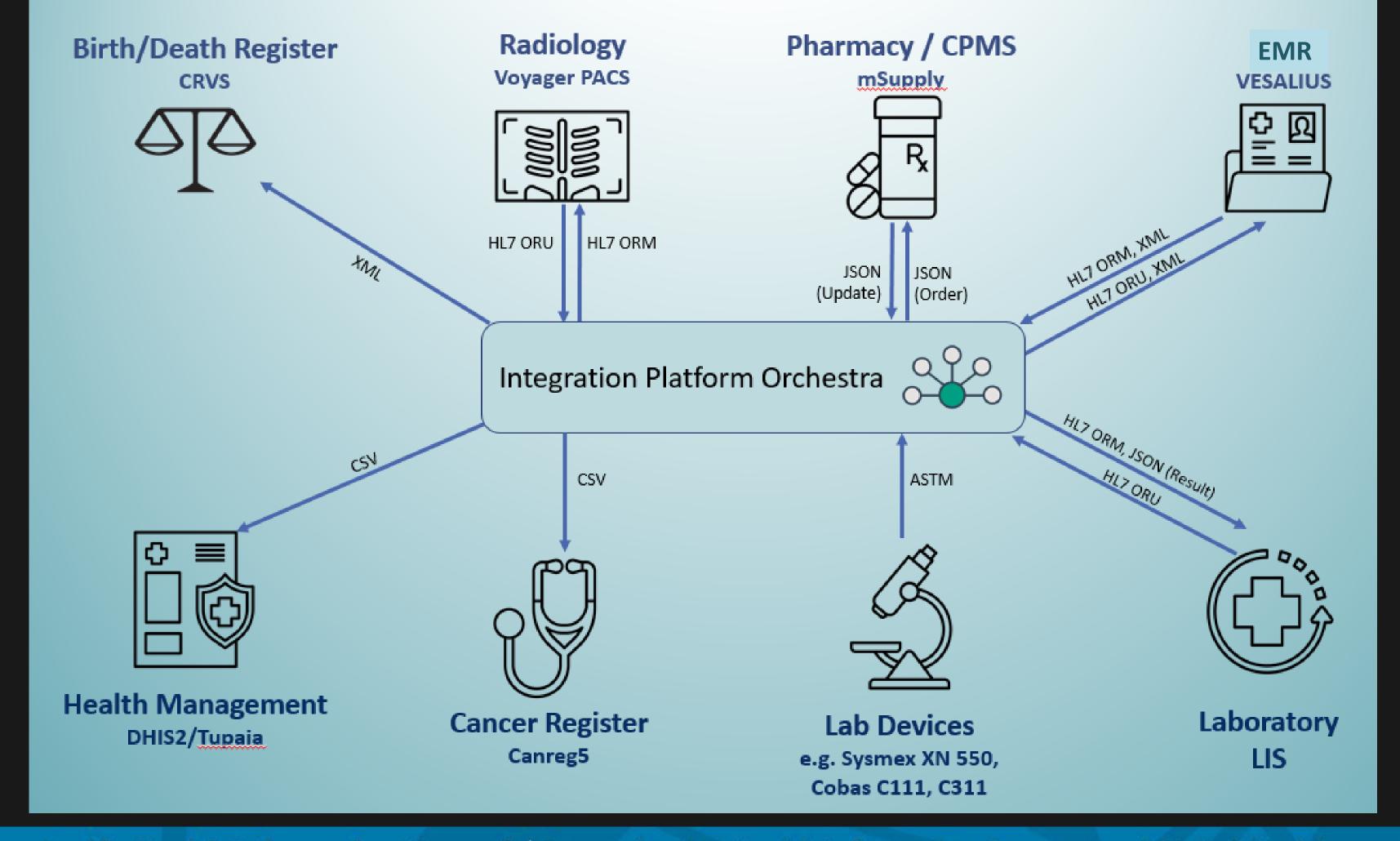


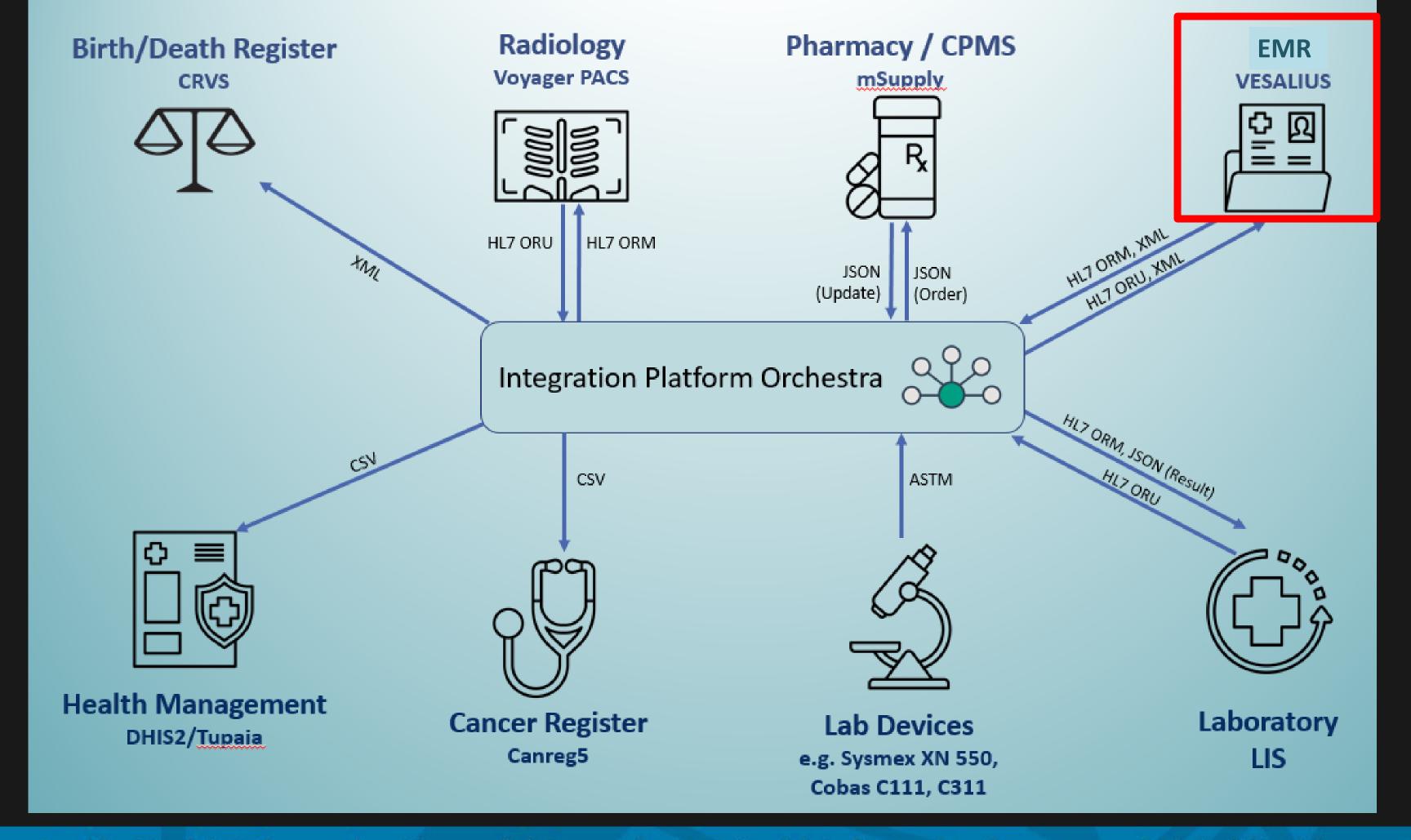
CHANGE MANAGEMENT

Focuses on People Side,

CUSTOMIZATION TO MEET HEALTHCARE FACILITIES REQUIREMENTS

HOSPITALS	HEALTH CENTERS	REPRODUCTIVE HEALTH CLINICS	
4	14	15+	





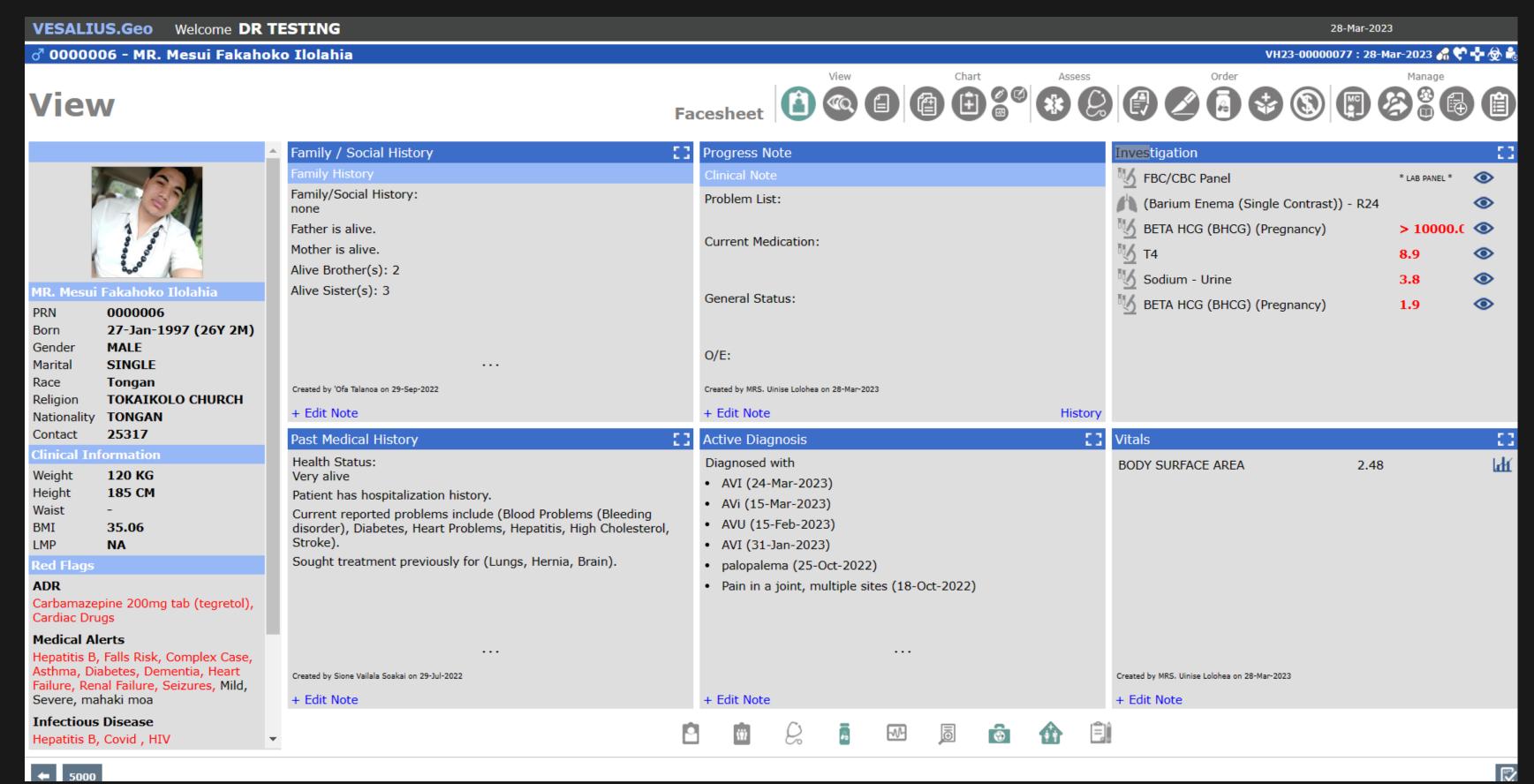
EMR MODULES



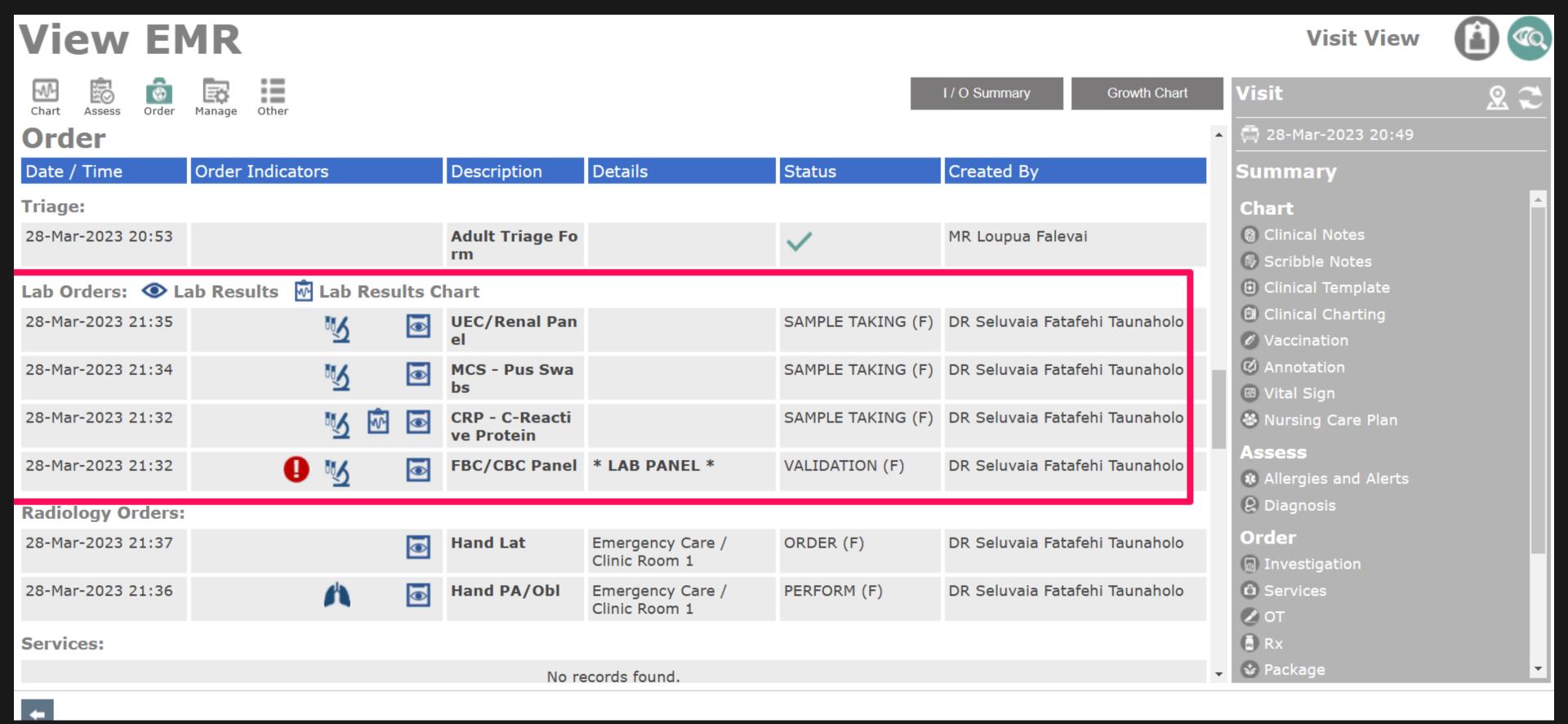
EMR MODULES



PATIENT MEDICAL RECORD



LABORATORY ORDERS

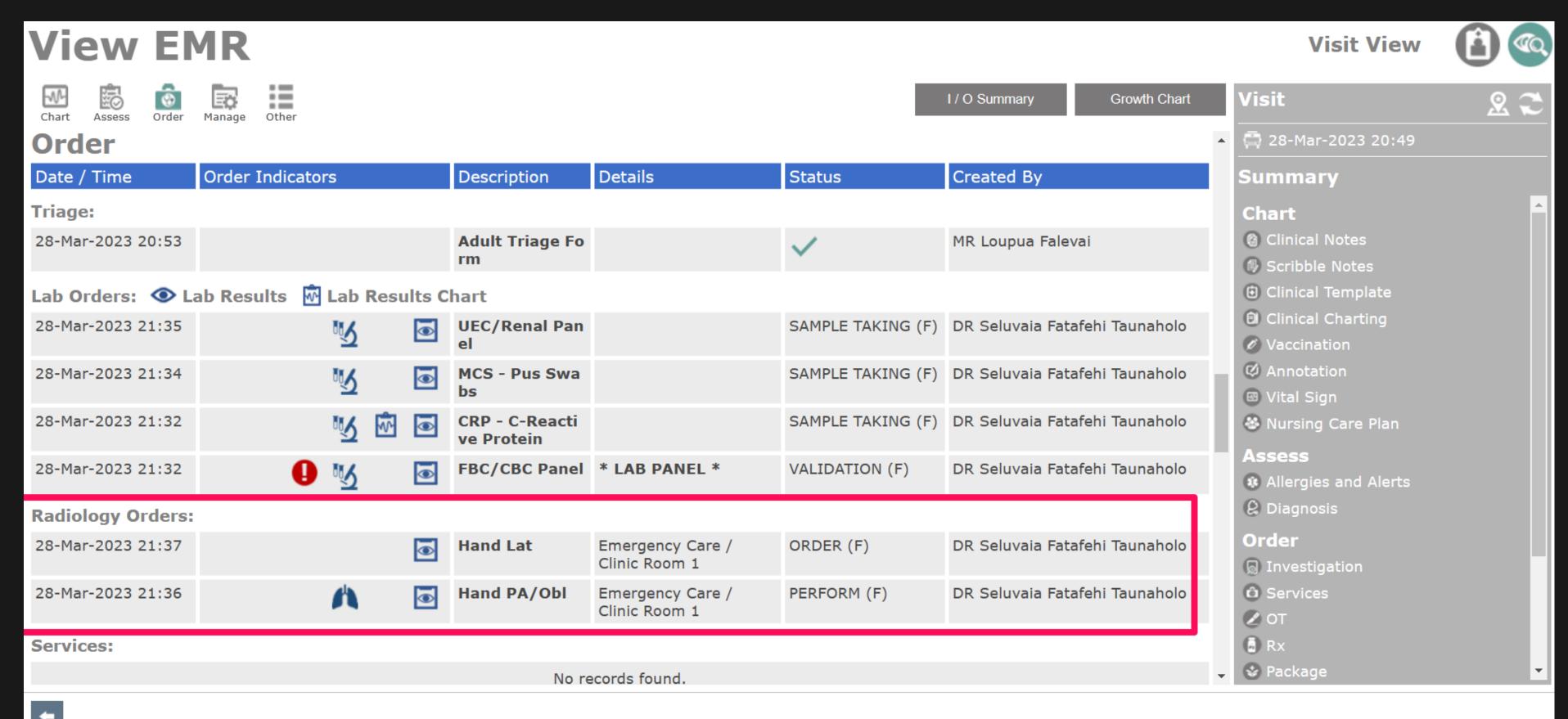


LABORATORYRESULT

Laboratory Services Report

Test R	equired	Package Name	Results	Units	Reference Range	Order Date / Time
	atology FBC/CBC Panel					28-Mar-2023 21:32
**	WBC		<u>14.70</u>	x 10^9/L	ADULTS: 4-11	
**	RBC		<u>5.73</u>	x 10^12/L	M: 4.5-6.5 F: 3.8-5.8	
**	HGB		<u>16.50</u>	g/dl	M: 13.0-18.0 F: 11.5-16.5	
**	HCT		<u>0.46</u>	Ratio	M: 0.40-0.54 F: 0.37-0.47	
*	MCV		<u>80.80</u>	fl	ADULTS: 79-96	
*	MCH		<u>28.80</u>	pg	ADULTS: 27-32	
*	MCHC		<u>35.60</u>	g/dl	31-35	
₹	PLT		<u>307.00</u>	x 10^9/L	150-400	
₹	RDW-SD		<u>35.80</u>	fl		
₩	RDW-CV		<u>12.30</u>	%		
₩	PDW		<u>9.80</u>	fl		
***	MPV		<u>9.20</u>	fl		
13	P-LCR		<u>17.70</u>	%		

RADIOLOGY ORDERS



RADIOLOGYIMAGES







KATA ISILELI, DOB: 18/08/01, 76605, Hand PA/Obl

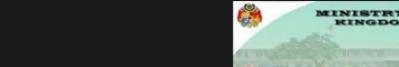














KATA ISILELI ACC:158159-CR 28/03/2023 CR Image:1 W:4096 C:2047

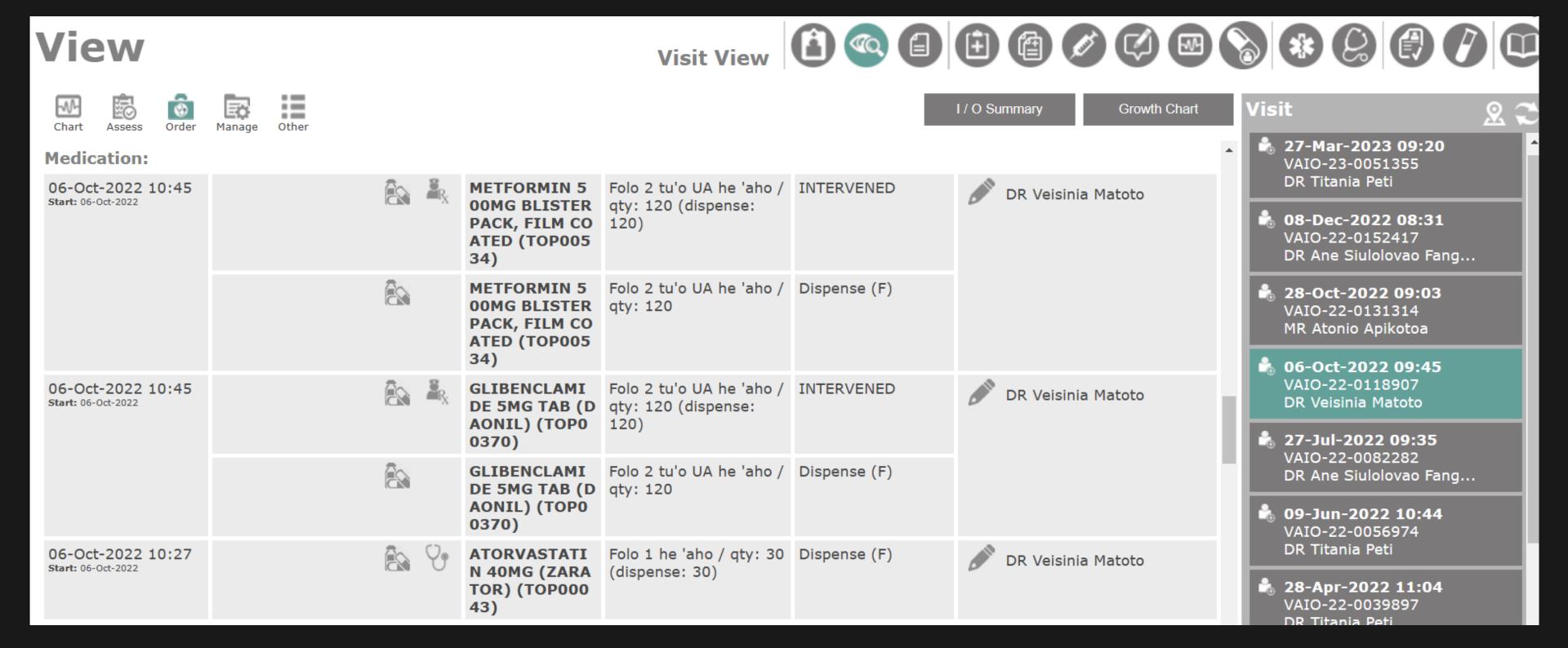








E-PRESCRIBING



"The KINGDOM is making a huge global LEAP with a sustainable health information system (HIS) to effectively, with confidentiality; manage healthcare data supporting healthcare policy decisions for Greater Health and Wealth for the FUTURE!"

Honourable Associate Professor 'Amelia Afuha'amango Tu'ipulotu

Minister of Health, Tonga

#eHealthTON



ENABLING ENVIRONMENT



Digital Health Strategy



Personal Health Information Privacy Act



Personal Health Information Privacy Policy

PERSONAL HEALTH PRIVACY ACT

COLLECTION,
USE AND
DISCLOSURE OF
DATA

ACCESS TO DATA

INDEPENDENT
REVIEW AND
RESOLUTION
OF
COMPLAINTS

RIGHT TO
REQUIRE THE
CORRECTION
OR
AMENDMENT

PERSONAL
HEALTH
PRIVACY
POLICY

DATA USE

DATA CONFIDENTIALITY

DATA
SECURITY &
AUDIT

PERSON
IDENTITY
MANAGEMENT

PRACTITION IDENTY MANAGEMENT



PROGRESS UPDATE



NHIS implementation to complete by end of July 2023



NHIS rollout to 2 hospitals and 7 health centers — DONE!

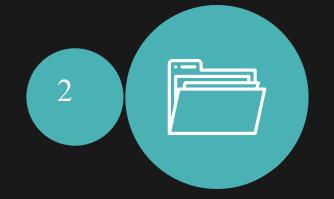


NHIS utilized by 4 hospitals, 14 health centers, 15+ reproductive health clinics



CHALLENGES





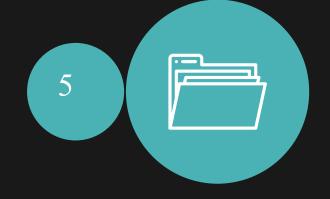
Local Workforce



Change Management



System Capability



Data Quality Assurance



Data Migration



Back-up connections

MALO 'AUPITO

PHIN MEETING - TONGA'S DIGITAL HEALTH JOURNEY

