

Victorian Heart Hospital Organisation Wide Impacts

Michael Franco – Program Director EMR & Informatics, Chief Medical Information Officer



Monash Health acknowledges the Traditional Custodians of the land, the peoples of the Kulin nation, and we pay our respects to them, their culture and their Elders past, present and emerging.

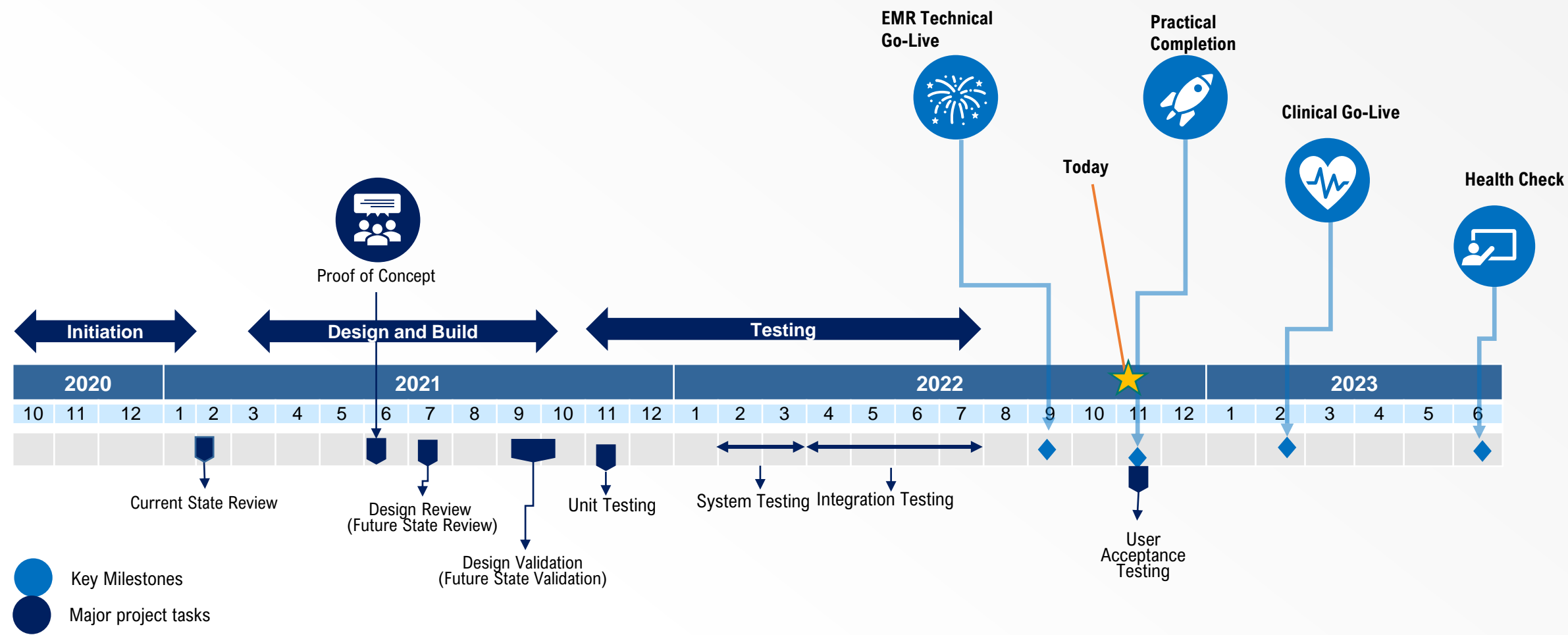


Victorian Heart Hospital (VHH) EMR Project

- Commenced early 2021
- Baseline: existing Monash Health EMR
- Significant additional functionality added for VHH
- New solution design workshops – close collaboration with Monash clinicians and leadership



VHH EMR High Level Timeline



Organisation Wide VHH Impacts – Overview

- EMR Ordering
- Cardiology Results
- Capacity Management
- Patient Portal
- PowerTrials
- Clinical Documentation
- Clinical Communication
- EMR Mobile Apps
- Training Overview



Clinical Documentation

Clinical Documentation

Current State	Future State
<p>Monash Heart specialist clinic notes in SMR</p> <p>Anaesthesia records on paper and scanned into SMR</p>	<p>Documentation for patients attending VHH will be in EMR</p> <ul style="list-style-type: none">• VHH clinic notes• Anaesthesia records• Images from EMR Camera Capture / Powerchart Touch (found in Clinical Media tab)



VHH Ambulatory Clinic Documentation

ZZZTEST, DH
UR:5033405
Sex:female

Dosing Weight:75.000kg (26/07/2021; 10 months)
Age:41 years
Birth Date:07/08/1980

Allergies/ADRs: Irbesartan (Apo), Irbesartan (Chemmart), Irbesartan (Dr Reddy's), Irbesartan (LocVHH Ward 7A), Irbesartan (Outpatient FHN 602)

Alerts: "No Alerts Recorded"
Goals of Care: <No Data Available>
Consultant: Doctor, Test

Unit: Cardiovascular
LocVHH Ward 7A
Outpatient FHN 602

Menu

- Cardiology View
- Ambulatory View
- Observation Chart
- Results Review
- Orders
- MAR
- MAR Summary
- Documentation
- Notes
- Interactive View
- Activities and Interventions
- Diagnosis, Alerts & Problems
- Encounter Procedure
- Histories
- Allergies/ADRs
- Medication List
- Patient Information
- Form Browser
- Growth Chart
- Care Plan Summary
- Clinical Media
- Patient Appointments
- Immunisation History
- Clinical Research

Ambulatory Clinic Letter

Ambulatory Clinic Note

Private Consulting Clinic Letter

Patient Letter

Select Other Note

Create Note

- Ambulatory Clinic Letter
- Ambulatory Clinic Note
- Private Consulting Clinic Letter
- Patient Letter
- Select Other Note

Ambulatory Clinic Letter X List

Tahoma 9

Dear |

Diagnosis

Problems

Ongoing

No qualifying data

Historical

No qualifying data

Procedure History

Home Medications

Home

No active home medications

Vital Signs

Present Status

Assessment and Plan

Investigations

Kind regards,

Problem:

Clinically insignificant atrial septal defect.
No intervention required.

Thank you for your referral of DIAGONE EMRTEST whom I had the pleasure of seeing today at the Victorian Heart Hospital with his mother for review related to their patent ductus arteriosus.

DIAGONE is described to be generally well, and appears asymptomatic from a cardiac perspective.
They are described to be growing and developing appropriately.

No relevant past medical history was described. No family history of relevance was reported.

DIAGONE is taking no regular medications. He has no known allergies. Immunisation status is up to date.

Examination:

Examination revealed DIAGONE to appear well. Observations are detailed above. Pulses were normal, including femoral pulses. Blood pressure was measured in the right arm. The heart sounds were normal with no added sounds. No murmur was heard ejection systolic murmur was heard at the upper left sternal edge. No diastolic murmur was heard early diastolic murmur was heard at the upper left sternal edge. The chest was clear and there was no hepatomegaly.

An ECG was performed today. The findings were normal for age. The rhythm was sinus rhythm. The frontal QRS axis was normal for age. Precordial voltages and intervals were normal. There was no evidence of pre-excitation.

An echocardiogram was performed recently. The findings were stable, demonstrating

VHH Anaesthesia Record

Menu

Anaesthesia View

Surgeon View

Observation Chart

Results Review

Orders + Add

MAR

MAR Summary

Documentation + Add

Notes

-

Interactive View

Activities and Interventions

Alerts Summary

Diagnosis, Alerts & Problems

Encounter Procedure

Histories

Allergies/ADRs + Add

Medication List + Add

Patient Information

My Health Record

Form Browser

Growth Chart

Care Plan Summary

Clinical Media + Add

Patient Appointments

Immunisation History

Clinical Research

Notes

Monday, 8 November 2021 - Wednesday, 9 November 2022 : 26 out of 26 documents are accessible. (Date Range) In Error Documents Filtered

Admission Notes

Emergency Documentation

Procedure Notes

Perioperative Nursing Record

Anaesthesia Records

Anaesthesia Record

17/08/2022 10:20 AEST ZZTEST, I

Clinic Notes

Correspondence

Administrative

MDT Documentation

Medical Documentation

Pharmacy Documentation

Preoperative Assessment Record

Patient Portal

Ambulatory Forms-Text

MH Victorian Heart Hospital
Blackburn Rd
Monash University Campus
Clayton, 3800

Anaesthesia Record

Date Finalized: 17/08/2022 10:53
Page 1 of 4

PTJOURNEY, THREE

9310884
VTH-2022-6
Coronary Artery Bypass Graft Surgery

Name: PTJOURNEY, THREE

Allergies:

paracetamol

Surgeon: Smith, Julian - Consultant

Anaesthetist: ZZTest, Doctor - Anaesthesist1

Procedure: Coronary Artery Bypass Graft Surgery

Anaes. Type: GA

OT: VTH 01

Case #: VTH-2022-6

MRN: 9310884

Age: 22 years

Gender: Female

Height: 165 cm

Weight: 74 kg

Pre-Op Diagnosis:

Name	Total	17/08/2022	9:45	10:00	10:15	10:30
Medications						
pantoprazole 40 mg intravenous injection IV Continuous Infusion	2.9333 mg					8 mg/hr(5)
midazolam 5 mg/5 mL injectable solution IV	10 mg					10 mg
amoxicillin 1 g injection IV	1 g					1 g
fentanyl 500 microg/10mL injectable solution IV	502 microg					500 microg
pancuronium 4 mg /2 mL intravenous injection IV	1.8333 mg					
rocuronium 50 mg/5 mL intravenous solution IV	10 mg					10 mg
Gases						
O2 - Anaes L/min						1
Air - Anaes L/min						3
N2O - Anaes L/min						0
ET Desflurane - Anaes %						0
ET Isoflurane - Anaes %						0
ET Sevoflurane - Anaes %						0
ET N2O - Anaes %						0
ET O2 - Anaes %						0
Fi Isoflurane - Anaes %						0
Fi Sevoflurane - Anaes %						0
Fi N2O - Anaes %						0
Fi O2 - Anaes %						0
Intake						
Sodium Chloride 0.9% intravenous solution 250 mL bag No Site Specified	250 mL					
Output						
Urine Voided	200 mL					
Estimated Blood Loss	100 mL					
Monitors						
Propofol Schneider TCI - Anaes						0.0/0.0/0.0 0.0/0.0/0.0
ECG - Anaes						NSR NSR NSR
Respiratory Rate - Anaes br/min						25 23 19
Temperature - Nasopharyngeal - Anaes degC						0 0 0
Cardiac Index - Anaes L/min/m2						4 3 4
Cardiac Output - Anaes L/min						8 8 4
PCWP - Anaes						0 0 0

Camera Capture

Mobile App



Desktop

PTJOURNEY, THREE
UR:9310884
Sex:Female

Menu

Anaesthesia View

Surgeon View

Observation Chart

Results Review

Orders + Add

MAR

MAR Summary

Documentation + Add

Notes

-

Interactive View

Activities and Interventions

Alerts Summary

Diagnosis, Alerts & Problems

Encounter Procedure

Histories

Allergies/ADRs + Add

Medication List + Add

Patient Information

My Health Record

Form Browser

Growth Chart

Care Plan Summary

Clinical Media + Add

Patient Appointments

Immunisation History

Clinical Research

Dosing Weight:95kg [08/09/2022: 2 months]

Age:22 years

Birth Date:01/01/2000

Allergies/ADRs: paracetamol

Alerts:*No Alerts Recorded*

Goals of Care: <No Data Available>

Clinical Media

View Media

+ Add Show Export Inactivate Delete Find

Patient: PTJOURNEY, THREE

MRN: 9310884

FIN: 60647807

Visit Date:

Content Type: Images

Service Date: 09/11/2022 12:27

Create Person: Lew, Thomas - Admin

Date Modified: 09/11/2022 12:27

Version Number: 1

Name: 2022-11-09 12:27:30

Media Type: image/jpeg

Size(bytes): 589,107

12/8/22 2:13 pm

Name	Date Modified	Service Date	Size
Images			
2022-11-09 12:27:30	09/11/2022 12:27	09/11/2022 12:27	575 kb
Person Photo			
2022-08-12 14:44:24	12/08/2022 14:44	12/08/2022 14:44	325 kb
Wound			
12/8/22 2:13 pm	12/08/2022 14:13	12/08/2022 14:13	552 kb



Clinical Documentation

Clinical Discipline	What is the impact beyond VHH?
Medical	Know where to find and access cardiology investigation results Consistently review the EMR for latest relevant results or notes , especially if seeing patient in a non-VHH outpatient clinic
Nursing	Know where to find and access cardiology investigation results
Allied Health	Know where to find and access cardiology investigation results
Pharmacy	Know where to find and access cardiology investigation results



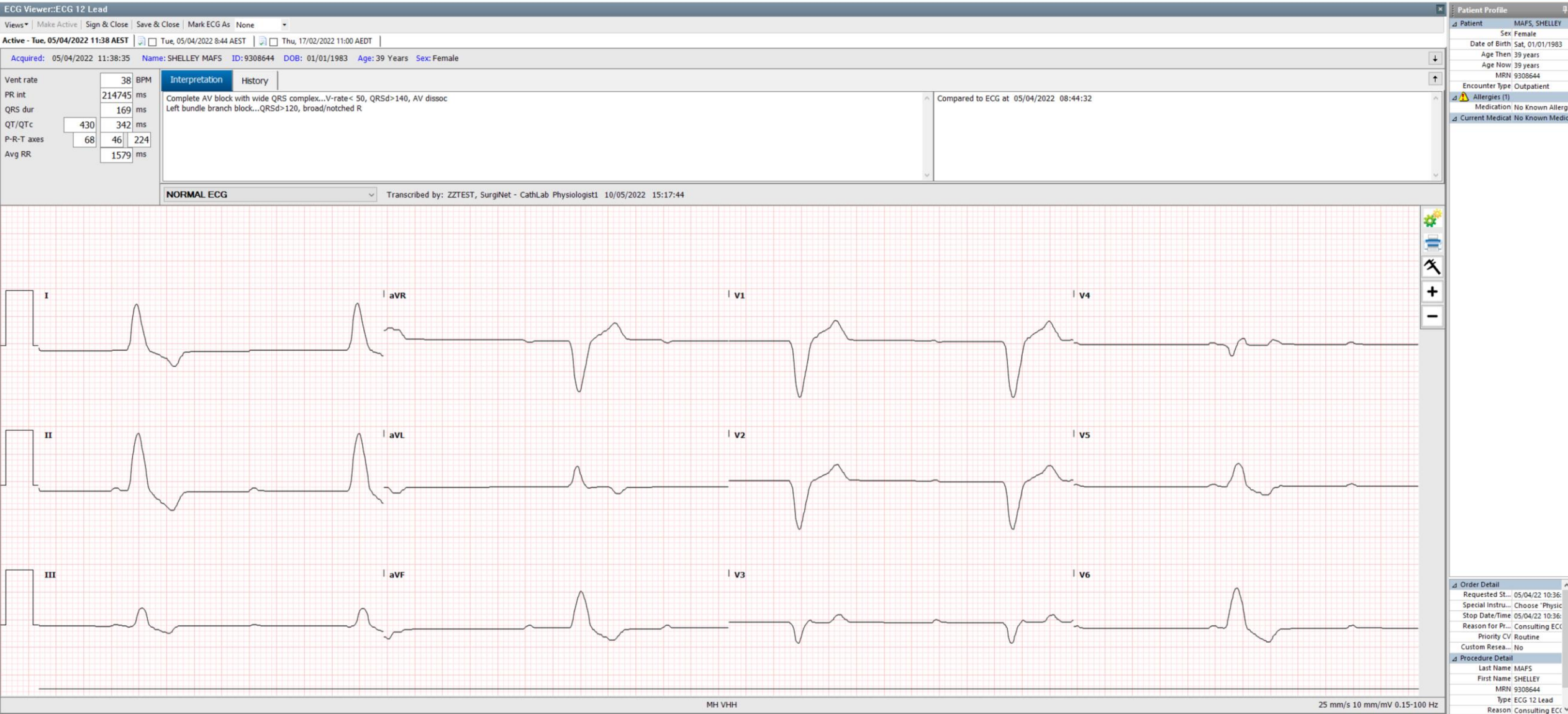
Cardiology Results

VHH Cardiology Results

Current State	Future State
<ul style="list-style-type: none">• Monash Heart investigations reported in HealthTrack and copy sent to EMR and SMR as PDF• Results found in Results Review under “Other Documents” tab or Investigations tab in SMR	<ul style="list-style-type: none">• VHH 12 lead / Stress ECGs reported directly in EMR, and accessed using ECG viewer• All other results will be found in the Cardiology folder of “Other Diagnostics” tab in Results Review (PDF)• Cardiology View Results flowsheet available



VHH Cardiology Results - 12 lead ECG viewer



VHH Cardiology Results: Results Review – Cardiovascular View Flowsheet

Menu

Anaesthesia View

Surgeon View

Observation Chart

Results Review

Orders + Add

MAR

MAR Summary

Documentation + Add

Notes

-

Interactive View

Activities and Interventions

Alerts Summary

< > ▾

Results Review

Recent Results

Pathology - Recent

Pathology - Extended

Microbiology

Diagnostic Imaging

Assessment

Flowsheet: Cardiovascular View ▾

...

Level: Cardiovascular View ▾

⊙ T

Showing results from (12/08/2022 - 07/10/2022) Show more results

Cardiovascular View	07/10/2022 23:51 AEDT	18/08/2022 9:00
CARDIOVASCULAR		
Capillary Refill		
Heart Rhythm		
Cardiovascular Investigations		
ECG 12 Lead	Cancelled Canceled	Cancelled Canc



Cardiology Results

Clinical Discipline	What is the impact beyond VHH?
Medical	<p>Know where to find and access cardiology investigation results</p> <p>Consistently review the EMR for latest relevant results or notes, especially if seeing patient in a non-VHH outpatient clinic</p>
Other Clinicians	<p>Know where to find and access cardiology investigation results</p>



EMR Ordering

Future Orders

Current State	Future State
<p>Not possible to place orders intended to be scheduled for a future date or visit</p>	<p>Availability of Ambulatory functionality in EMR allows future ordering of:</p> <ul style="list-style-type: none">• Referrals to VHH Outpatient Clinics<ul style="list-style-type: none">• Monash Heart• Cardiac Surgery• Requests for VHH Cardiology Investigations<ul style="list-style-type: none">• Echocardiograms• Functional Cardiac Testing (e.g., stress echo/ECGs)• Pathology / Diagnostic Imaging for VHH patients



Future Orders

▼ Details for Referral to AACHD Clinic Initial

Details

Order Comments

+ -

Referral Date/Time: 07/11/2022 0001 AEDT

*Contact Details:

Referral To:

Situation and Assessment:

*Interpreter Required?:

*Referral in Reason:

*Referring Physician:

*Referring Unit:

*Reason For Referral:

Suggested Priority:

*Preferred Campus: Victorian Heart Hospital

*Scheduling Delivery Mode: Face-to-face

*Health Condition:

Diagnostic Tests

Active

Future (O... Adult Transthoracic E...

Requested Start Date/Time 07/11/22, Primary Consultant: G...

ZZTest, Doctor - Surgeon

▼ Details for Adult Transthoracic Echocardiogram

Details

Order Comments

+ -

*Primary Consultant:

*Priority:

*Contact Details:

Copy Results to Dr 1:

EDD: **/**/****

Replace With Appointment:

*Clinical Details:

Booking Instructions:

Copy Results to Dr 2:

Research Investigations?: ☐ Yes ☒ No

Background:

Cardiac Rhythm:

Interpreter?:

Currently Pregnant:

Additional Booking Condition:

Consults/Referrals

Active

Ordered Pharmaceutical Review

Requested Date/Time: 28/10/22 18:06:19 AEDT, Medication ...

SYSTEM, SYSTEM

Future (O... Referral to AACHD Cli...

Referral Date/Time: 07/11/22, Referring Physician: Franco, ...

ZZTest, Doctor - Surgeon



Future Orders

Clinical Discipline	What is the impact beyond VHH?
Medical	Use EMR electronic orders for MH patients for VHH clinics and investigations . These will be triaged and scheduled by VHH staff
Nursing	Understand how to identify future orders and not action them
Diagnostic Imaging	Understand how to identify future orders for DI and how to action them appropriately
Phlebotomy	Understand how to identify future orders and not action them / or activate them as required



EMR Orders - Cardiac CT & MRI

Current State	Future State
<ul style="list-style-type: none">Cardiac CT / MRI is ordered via paper request and reported in HealthTrack	<ul style="list-style-type: none">Cardiac CT / MRI is ordered in the EMRImage & Report is stored in CareStream PACSResult is available under Results Review in EMR

▼ Details for **CT Cardiac - Non CTA Coronary**

Details Order Comments

+ -

*Provisional Diagnosis: <input type="text"/>	*Clinical Details: <input type="text"/>	*Immunocompromised Patient: <input type="radio"/> Yes <input checked="" type="radio"/> No	*Referrer Phone or Pager: <input type="text"/>
*Treating Consultant/Reg: <input type="text"/>	*Is this a Brown Dot examination?: <input type="radio"/> Yes <input checked="" type="radio"/> No	Radiologist Discussed with and Instru... <input type="text"/>	Preferred Date of Scan: <input type="text"/>
External eGFR with date: <input type="text"/>	Contrast Allergy: <input type="radio"/> Yes <input checked="" type="radio"/> No	Currently Pregnant: <input type="text"/>	Nurse escort: <input type="radio"/> Yes <input checked="" type="radio"/> No
Transport: <input type="text"/>	Patient weight (kg): <input type="text"/>	Clinical Alert(s): <input type="text"/>	Copy Results to Dr1: <input type="text"/>
Copy Results to Dr2: <input type="text"/>	Medicare criteria met? See order com... <input type="text"/>	Order for future visit: <input type="radio"/> Yes <input checked="" type="radio"/> No	Research Investigation?: <input type="radio"/> Yes <input checked="" type="radio"/> No



EMR Orders - Cardiac CT & MRI

Clinical Discipline	What is the impact beyond VHH?
Medical	Use EMR electronic orders for MH patients for Cardiac CT and MRI Find Cardiac CT and MRI results in Diagnostic Imaging tabs in Results Review
Diagnostic Imaging	Reporting of Cardiac CT and MRI to be done solely in CareStream
Cardiology	Reporting of Cardiac CT and MRI to be done solely in CareStream

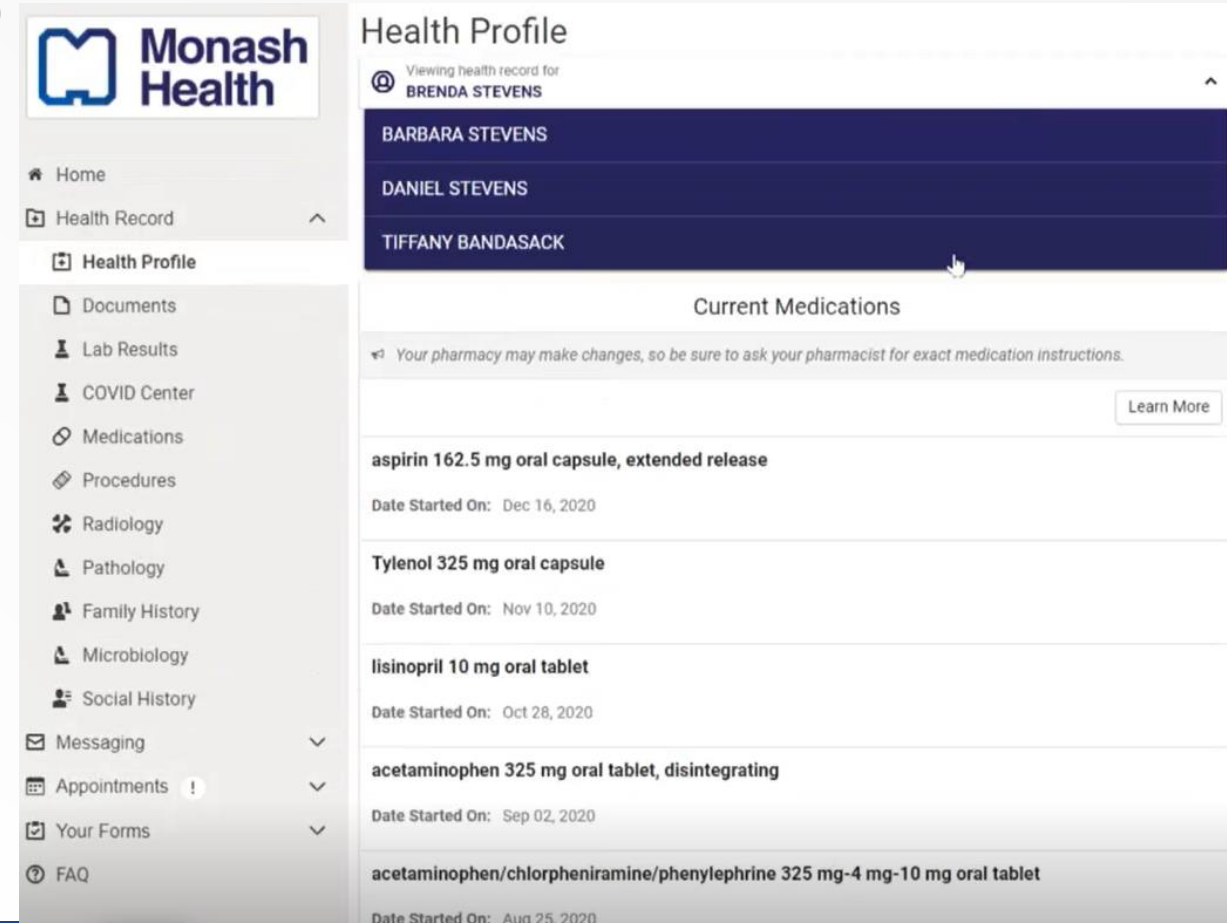
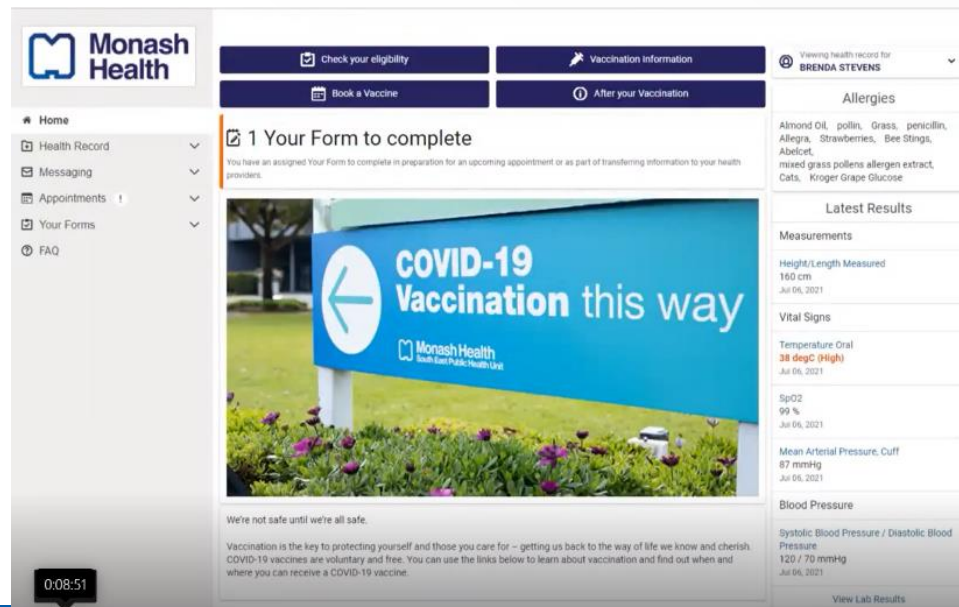


Patient Portal

Patient Portal

Allows patients to access their medical information safely and easily from Monash Health.

- View, Request - reschedule or cancel **upcoming appointments**
- View **test results** (results and reports posted after a 7-day delay)
- View and download their **medical records (limited)**
- View **clinic letters** that have been sent
- View **inpatient discharge summaries**
- Complete **preadmission patient forms** online



Patient Portal

Clinical Disciplines	What is the impact beyond VHH?
Medical	<ul style="list-style-type: none">• Previous VHH patient may have a Patient Portal account so will have access to discharge summaries regardless of which site they were admitted• Relevant documents and results from subsequent non-VHH visits will also be made available for patients with Portal
Nursing	
Allied Health	
Pharmacy	
Clerical	



Capacity Management

Capacity Management (Cap Man)

- **Cap Man** – new EMR application used for cleaning, transport and bed allocation

Organisation Wide	VHH
<ul style="list-style-type: none">• Bed request orders• Bed allocation - Impact on DCOs, NCOs, Bed Managers	<ul style="list-style-type: none">• <u>Additional functionality</u> of cleaning and transport jobs



Cap Man

All bed request orders will be placed within the **EMR** and not in PFM.

The screenshot displays the Cap Man EMR interface. On the left, a sidebar menu lists various options, with 'Transfer Request' highlighted. A red box encloses this menu item and the 'Transfer Request' form area. A green arrow points from this area to the 'Details for Hospital Transfer Request' form on the right. The form contains fields for Admission Campus, Specialty, Bed Type/Site, Accepting Physician, Reason for Transfer, and Urgency. A red box highlights the entire form area.

Transfer Request Form Fields:

- Transfer From: C Ward 32
- Transfer To: * Required
- Reserved Bed:
- Bed Type:
- Transfer Status: * Required
- Comments:
- Last Updated:
- Status:

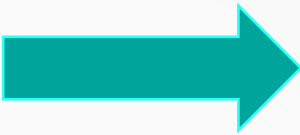
Details for Hospital Transfer Request Form Fields:

- *Admission Campus: Victorian Heart Hospital
- *Specialty:
- *Bed Type/Site: Standard
- *Accepting Physician:
- Special Instructions:
- *Reason for Transfer:
- *Urgency: Nonurgent by 21:30 next day



Cap Man

All bed allocation will be done within Cap Man
by DCOs, NCOs, Bed Managers



Transfer Request

Transfer FromC Ward 32

Transfer To

Select

* Required

Reserved Bed

Select

Bed Type

Select

Transfer Status

Select

* Required

Comments

Bed Allocated by Bed Manager

Transfer Requested

Last Updated

Status

Submit Cancel

Transportation Unit Coordinator/BS Custodial Services/EVS Capacity Metrics Dashboard Ancillary Patient Access Bed Management House Supervisor/Bed Management EVS/Transport Jobs							
Unit Coordinator/BS Custodial Services/EVS Capacity Metrics Dashboard Ancillary Patient Access Bed Management House Supervisor/Bed Management EVS/Transport Jobs							
Transfer List 22 Discharge List PreAdmit List							
Transfer List 24/54 Pending Allocation 0/1							
Patient							
Name	Status	Timer (mins)	Current Location	Destination	Comment	Patient Attributes FRI	
Aslam, Palwasha	27 (Pending Complete)	0:00:00, 0:00	VHH ED-DR	VHH Intensive Care	General Medicine, Standard, Q23...	10037019	
VHH Workflow, ED OR ASSESSMENT	273 (Pending Complete)		VHH ED-DR	VHH Ward 7A-1, N/A	Standard, MonashHeart, No...	60283517	
BED, DAN	1410 (Pending Complete)	0:00:00, 0:00	VHH ED-DR	VHH APH Ward 05	afib, Standard, General Medic...	60283721	
TEST, ADMITTING	50769 (Pending Bed Ready)		VHH ED-ED, A12	VHH Imaging Centre	Test, Standard, Cardiothorac...	60284167	
capman, bedrequest2	50479 (Pending Bed Ready)		VHH ED-ED, A07	VHH HTH-1, 01	COVID Medical Confirmed 2	60283126	
Capman, Prasad, Rose	111309 (Bed Assignment Pending)		VHH ED-DR		Cardiothoracic Surgery, VHH M...	60283918	
PPUHHTEST, PORTAL B	101515 (Bed Assignment Pending)		VHH Ward 7A		Dental Surgery, Carey Gen Surg...	91L-9100460	
BED, CLA	102715 (Bed Assignment Pending)		C ED-DR Man		Dung, Alan Hong - Consultant	60283720	
ZZZTEST, MPLES	102715 (Bed Assignment Pending)		VHH Ward 7A-1, 10			60282907	
VHH Workflow, ED Procedural Billing	102715 (Bed Assignment Pending)		VHH ED-DR		MonashHeart, Standard	60283520	
Hs12 Bibo MORMAN, Clinton	210575 (Bed Assignment Pending)		C Ward 32-1, 29 N/A		Anaesthetics, Standard	60283362	
UNIT TESTING, PATENTONE, J	329777 (Bed Assignment Pending)		VHH ED-4, left Depart		Ear, Nose & Throat Surgery, Sla...	60283142	
Accommodation, Default			VHH ED-DR	MonashHeart		60283501	
SURQUHTEST, ADULT FEMALE FOUR	101305 (Pending Complete)		VHH Ward 7A	VHH Ward 7A-1, 08	Victorian Heart Hospital, Cardiol...	91L-9100640	
Refretter, Prasad			VHH ED-Admit	No Access	Standard, Cardiothoracic Surgery	60284161	
Capman, Joss, Referral			VHH Consulting Cl	Ward 2-1, 00 N/A	Dental Surgery	60282884	
TEST, ME			VHH Intensive Care		Dandenong Intensive Care, Mon...	60283271	
TEST, CONVO	231126 (Bed Assignment Pending)		VHH ED-DR		Standard, Adolescent Medicine	60283265	
VHH Workflow, ED DR end of Shift handover			VHH ED-DR		MonashHeart, Standard	60283518	
Bed Board 22							
Available: 129 Occupied: 78 Dirty: 7 Clearing: 1 Blocked: 1 Out of Service: 1 Held: 2 Recalled: 35 Virtual: 2 Patient Attributes Location Attributes Encounter Milestone							
Patient							
VHH ED Oct 30	91%	VHH ED Oct 2	13%	VHH Imaging Centre Oct 1	8%	VHH Immediate Recovery Centre Oct 2	8%
Reg 1 Avail 2 Pending Out 21 Pending In 0 B I S		Reg 6 Avail 4 Pending Out 1 Pending In 1 B I S		Reg 1 Avail 12 Pending Out 1 Pending In 0 B I S		Reg 4 Avail 33 Pending Out 0 Pending In 3 B I S	
Admit...		00-Held		00-Held		00-Held	
ED, A01		01		01		01	
ED, A02		02		02		02	
ED, A03		03		03		03	
ED, A04		04		04		04	



Site visibility

Non-VHH: continue to use PFM

Inpatient

Views

Dashboards

Reports

Today

Pending Today

Tomorrow

Pending Tom

Exp EDD

On Leave

Outliers

Phy Beds

Open

Occupied

Unoccupied

WL Today

ED Today

AddOn

Tr Ready

IHT IN

IHT OUT

Tr In

1

4

0

3

2

0

3

50

50

47

4

2

4

0

0

0

0

4

Bed Status

Occupancy

Facility

Ward

Bed

Bed Category

Unit

Consultant

Team

LOS

D/C Destn

Gender

Campus

Ward

Bed

Team

UR

Name

DOB

Age

Unit

Nurse/Mid

Diet

Risk

Suburb

Visit Freq

PT (E)

OT (E)

SW (E)

DT (E)

RALS (E)

Invest / Proc

EDD

Casey Hospital

BH

Bed 16

74

Rehab

Cranbourne North

InPr

InPr

08/12

Casey Hospital

BH

Bed 17

60

Rehab

Endeavour Hills

InPr

Req

InPr

InPr

14/11

Casey Hospital

BH

Bed 18

84

Ger Med

Officer

Comp

Req

Comp

InPr

16/11

Casey Hospital

BH

Bed 19

74

Ger Med

Beaconsfield

InPr

Comp

InPr

10/11

Casey Hospital

BH

Bed 20

67

Ger Med

Hallam

InPr

Req

InPr

InPr

06/12

Casey Hospital

BH

Bed 21

78

Rehab

Mulgrave

InPr

Comp

InPr

18/11

Casey Hospital

BH

Bed 22

62

Rehab

Narre Warren South

InPr

InPr

InPr

15/12

Casey Hospital

BH

Bed 23

Casey Hospital

BH

Bed 24

67

Ger Med

Dalyston

InPr

Req

InPr

Comp

24/11

Casey Hospital

BH

Bed 25

76

Ger Med

Berwick

Comp

InPr

InPr

InPr

25/11

Casey Hospital

BH

Bed 26

58

Rehab

Narre Warren

InPr

Comp

15/11

Casey Hospital

BH

Bed 27

76

Ger Med

Carrum Downs

Comp

Req

Comp

Comp

08/11

Casey Hospital

BH

Bed 27

77

Ger Med

Sale

InPr

Casey Hospital

BH

Bed 28

73

Ger Med

Brighton East

InPr

18/11

Casey Hospital

BH

Bed 29

70

Rehab

Narre Warren South

InPr

Req

InPr

15/12

Showing 1 to 50 of 61 rows

50

records per page

Showing 1 to 50 of 61 rows 50 records per page

PFM not used at VHH, but all above mentioned steps write to PFM

Transportation Unit Coordinator/BS Control Services/EVS Capacity Metrics Dashboard Ancillary Patient Access Bed Management House Supervisor/Bed Management EVS/Transport Jobs

M4 Victorian Heart Hospital

M4 Victorian Heart Hospital

Transfer List 22

Discharge List

PreAdmit List

Transfer List 24/54

Pending Allocation 3/1

Patient

Name	Status	Timer (mins)	Current Location	Destination	Comment	Patient Attributes	PHI
Aslam, Palwachi	PT	(Pending Complete)	Q:204:204: 304	VHH Intensive Care	General Medicine, Standard, i23...		1007019
VHH WORKFLOW, ED OR ASSESSMENT	273	(Pending Complete)	VHH ED-OR	VHH Ward 7A- No	Standard, MonashHeart, Yeo...		0026317
BED, DAN	1410	(Pending Complete)	Q:204:204: 304	VHH APH Ward 10...	pts, Standard, General Medic...		0026321
TEST, ADMITTING	10709	(Pending Bed Ready)	VHH ED-ED, A12	VHH Imaging Cent...	Int, Standard, Cardiothorac...		00264167
Capman, Istefreque2	19408	(Pending Bed Ready)	VHH ED-ED, A07	VHH W7A- 01	8 COVID Medical Confirmed 2		00263125
Capman, Pheadnel Rose	111309	(Bed Assignment Pending)	VHH ED-OR	Cardiothoracic Surgery, VHH Ma...			00263918
PPVHH TEST, PORTAL B	101515	(Bed Assignment Pending)	VHH Ward 7A	Dental Surgery, Casey Gen Surg...			WL-9100460
BED, CLA	102715	(Bed Assignment Pending)	C:104:104: 304	Dental Surgery, Casey Gen Surg...			00263720
ZZZTEST, NILES	102707	(Bed Assignment Pending)	VHH Ward 7A- 15				00262907
VHH Workflow, ED Procedural Siting	100306	(Bed Assignment Pending)	VHH ED-OR		MonashHeart, Standard		00263520
W12 Babu BASMIA, Cinton	210570	(Bed Assignment Pending)	C:104:104: 20 W12	Anaesthetics, Standard			00263362
UNATTESTING, PATENTONE J	020772	(Bed Assignment Pending)	VHH ED-ED, all Depart	Ear, Nose & Throat Surgery, Ste...			00263142
Accommodation, Default			VHH ED-OR				00263601
SURGEON TEST, ADULT FEMALE FOUR	101000	(Pending Complete)	VHH Ward 7A	VHH Ward 7A- 08	Victorian Heart Hospital, Cardiol...		WL-9100640
Refereed, Pheadnel			VHH ED-Admit	No Address	Standard, Cardiothoracic Surgery		00264161
Capman, Joss Referral			VHH Consulting Cl...	In South 7A- 00404	Dental Surgery		00262984
TEST, ME			VHH Intensive Care		Dandenong Intensive Care, Mon...		00263271
TEST, COVID	203126	(Bed Assignment Pending)	VHH ED-OR		Standard Adolescent Medicine...		00263265
VHH Workflow, ED DR end of Shift handover			VHH ED-OR		MonashHeart, Standard		00263518

PHI, Testing

Bed Board 22

Forecast

Available

Occupied

Only

Cleaning

Blocked

Out of Service

Hold

Reserved

Virtual

Patient Attributes

Location Attributes

Encounter

Miscellaneous

Clear

129

78

2

1

1

1

0

35

2

Patient

VHH ED

Dec 30

Res 1 Avail 2 Pending Out 21 Pending In 0 B 0

ED, A01

ED, A02

ED, A03

ED, A04

ED, A05

VHH W7A

Dec 2

Res 6 Avail 4 Pending Out 1 Pending In 0 B 0

ED, A01

ED, A02

ED, A03

ED, A04

ED, A05

VHH Imaging Centre

Dec 1

Res 1 Avail 12 Pending Out 1 Pending In 0 B 0

ED, A01

ED, A02

ED, A03

ED, A04

ED, A05

VHH Immediate Recovery Centre

Dec 2

Res 4 Avail 33 Pending Out 0 Pending In 0 B 1

ED, A01

ED, A02

ED, A03

ED, A04

ED, A05



PowerTrials

VHH Clinical Trials in EMR

- Single repository of clinical trials conducted at VHH
- Ability to easily identify patients participating on a clinical trial
- Research appointments will be scheduled in the EMR
- Study team is notified if clinical trial patient is admitted to ED or as an inpatient



Clinical Trial Repository

Ability to see the list of clinical trials in one place

TaskEditViewPatientChartLinksNotificationsNavigationHelp

Home

Doctor Worklist

Message Centre

Patient List

Perioperative Tracking

Emergency Tracking

Clinical Leader Organiser

COVID-19 Inpatients

VHH ECG

My Experience

Case Selection

eCoach

Multi-Patient Task List

Clinical Research Organiser

SMR

Pathology

Exit

Calculator

AdHoc

Medication Administration

Specimen Collection

PM Conversation

Communicate

Patient Education

iAware

SaAnesthesia

Anesthesia Record Viewer

Documents

Discern Reporting Portal

Printed MAR

Staff Assign

Report Builder

PTJOURNEY, THREE

Clinical Research Organiser

100%

Clinical Research Organiser

Initiating Service:All ProtocolsProtocol Status: AnyProtocol Search

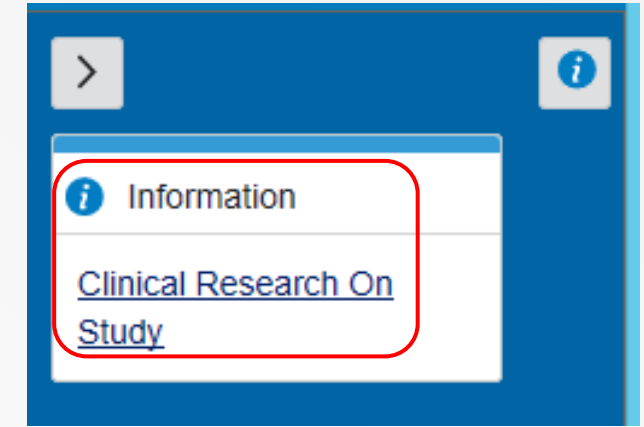
Protocol Mnemonic	Date Activated	Status	Protocol Alias	Principal Investigator
ALL779	27/03/2012	Open to accrual		
ALLSTUDY9	04/06/2013	Open to accrual		
Another test	07/11/2022	Open to accrual		ZZTEST, Clinical Trials Staff VHH 1
APOLLO	01/08/2022	Open to accrual		Nicholls, Stephen James
BREASTCA411	24/05/2013	Open to accrual		
BREASTCA901	24/05/2013	Open to accrual		
Cardiology1	27/07/2022	Open to accrual		Nicholls, Stephen
CHAMPION-AF	10/07/2022	Open to accrual		Alison, Jeffrey Francis
COL877	22/05/2013	Open to accrual		
CTH-001		In development		Smith, Julian
DIAB457	03/03/2012	Open to accrual		
DIAB491	08/08/2013	Open to accrual		
emr test	01/07/2022	Open to accrual		Smith, Julian
emr test1	03/11/2022	Open to accrual		Smith, Julian

Organisation Wide VHH Impacts

Identifying patients on Clinical Trial

Patients can be easily identified if they are on a clinical trial:

- Banner bar alert
- SmartZone



A screenshot of a clinical trial interface. The top blue banner displays patient information: "Searchone, Rea", "UR:9306900", "Sex:Female", "Dosing Weight:80kg [30/09/2021: 4 weeks]", "Age:71 years", "Birth Date:01/03/1950", "Allergies/ADRs: Peanuts", "Alerts:*No Alerts Recorded*", "Goals of Care:<No Data Available>", "Unit:General Medicine", "Loc:C Ward 32: -: 07", "Outpatient FIN: 60283040 [Visit Dt: 06/10/2021 14:5...]", and "Monash Patient Portal: No". Below the banner, the "Clinical Research" section is active, showing a "Potential Studies" list with options like "Patient Interested in being screened FOR ANY POTENTIAL CURRENT OR FUTURE TRIAL?", "Available for pre-screening", and "Not interested". A "SmartZone" information box is visible on the right side of the interface, containing the text "Information" and a link "Clinical Research On Study".



ED or Inpatient Admission Notifications

When a clinical trial patient is admitted to ED or as an inpatient, the primary contacts in the study team will be notified in Message Centre

Messages X

Communicate Open Reply Reply All Forward Delete Message Journal Select Patient Select All Patient Match

Assigned	Create Date	Due Date	From	Patient Name	Priority	Status	Subject	To	Update D...
	27/10/2021 1...		SYSTEM, SYST...	ANDREWS, ZOE	!	Pending	Clinical Trials Patient admitted as an Inpatient	Smith, Julian - ...	27/10/2021 1...
	27/10/2021 1...		SYSTEM, SYST...	BROOKS, JOHN	!	Pending	Clinical Trials Patient admitted as an Inpatient	Smith, Julian - ...	27/10/2021 1...
	06/10/2021 14:4...		SYSTEM, SYSTE...	TEST, MEGAN	!	Opened	Clinical Trials Patient admitted as an Inpatient	Plouzek, Jason ...	07/10/2021 10:2...
	01/10/2021 10:3...		SYSTEM, SYSTE...	Searchone, Rea	!	Opened	Clinical Trials Patient admitted to ED	Hulley, Amand...	07/10/2021 10:2...



PowerTrials

Clinical Discipline	What is the impact beyond VHH?
Medical – inpatient	<ul style="list-style-type: none">• Problems List documentation• Identification of potential patient consent• Clinical Trials Alert
Nursing	<ul style="list-style-type: none">• Clinical Trials Alert
Pharmacy	<ul style="list-style-type: none">• Clinical Trials Alert• Trials Medication review and supply



Clinical Communication

Clinical Communication

Current State	Future State
<p>Staff have access to same communication platforms across Monash Health including MS Teams</p>	<ul style="list-style-type: none">• VHH staff will <u>not</u> have:<ul style="list-style-type: none">• LAN page / paging• SmartPage• <u>Only</u> VHH staff will have access to:<ul style="list-style-type: none">• Zebra mobile clinical handhelds• Cerner CareAware Connect Messenger mobile app• Likely solution will be use of MS Teams & Baret for contacting staff at VHH



Training

VHH Training Model

- **Hybrid model:** eLearning, Simulation Lab, Webinars, Knowledge Hub, and practise
- Most disciplines attend **Simulation Lab** (located on-site at **Clayton** and **VHH**), in person **not online**
- eLearning module completion and Simulation Lab **bookings via Latte** – available now
- VHH **new recruits**
 1. EMR **Foundations eLearning and webinar** training, plus
 2. VHH **eLearning** modules, plus
 3. Attend relevant **Sim Lab** session or webinar
- Employees **transferring/rotating** to VHH
 1. VHH **eLearning** modules, plus
 2. Attend relevant **Sim Lab** session or webinar



VHH Training Matrix – Clinical Streams

Clinical Discipline	Existing/New Employees	Total Learning Time (hrs)	eLearning (hrs)*	Webinar (hrs)	Simulation Lab (hrs)
Allied Health / Cardiac Rehab- VHH Ambulatory	Existing	2	1		1
	New	6 – 8	5	2 +/- optional 1	
Cardiac Physiologists (Monash Heart)- VHH Ambulatory	Existing	2	1		1
	New	3.5	2.5		
Diagnostic Imaging / Cath Lab Rad Tech - VHH Ambulatory	Existing	1	1		n/a
	New	4	4		
Nursing Ambulatory (including PAC) - VHH Ambulatory	Existing	2	1		1
	New	5.5	4.5		
Nursing - Inpatient & ED (incl 32, 32W, CCU, ICU, ED, Periop, Cath Lab, CT, MRI)	Existing	3	1.5		1.5
	New	9	5.5	2	
Pharmacy - VHH Ambulatory/ Inpatient Pharmacists	Existing	3	1		2
	New	9	5	2	
Pharmacy - VHH Ambulatory/ Inpatient Pharmacy Tech	Existing	3	1		2
	New	7	5		
Medical - Ambulatory/ Inpatient/ ED	Existing	2	1		1
	New	8	5	2	
Medical - Anaesthetics	Existing	2	1		1
	New	8	5	2	



VHH Training Matrix – Clinical Support Streams

Clinical Discipline	Existing/New Employees	Total Learning Time (hrs)	eLearning (hrs)*	Webinar (hrs)	Simulation Lab (hrs)
Clerical Scheduling- VHH Ambulatory Clerical Scheduling Advanced - VHH Ambulatory	Existing	2	1		1
	New	6	3	2	
Phlebotomy - VHH Ambulatory	Existing	2	1	1	n/a
	New	4	3	1	
Support Services - VHH Capacity Management	Existing	2	1		1
	New	2	1		
Bed Management - VHH Capacity Management Non VHH Bed Managers, DCOs, NCOs	Existing	2	1		1
	New	4	3		
Bed Management - VHH Capacity Management VHH NCOs, DCOs	Existing	5	2.5		2.5
	New	10	7.5		
VHH Power Trials (Medical/ Nursing/ Researchers)	Existing	2	1		1
	New	3	2		
VHH Power Trials (Coordinators)	Existing	4	2		2
	New	5	3		2



VHH Training

What needs to be completed before VHH Go-Live



Questions

