



MYANT

**Myant Virtual Clinic Portal  
User Manual  
(IFU-157487-01)**

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MBE: Ver. 0.1393.0

Myant Health Platform

GMDN 61087

**Per**

IFU-157487-01 (Rev1.8) Myant Virtual Clinic Portal Instructions for Use

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## 1 Introduction to the Myant Health Platform

The Myant Health Platform is a Remote Patient Monitoring (RPM)-like system that encompasses parts of a medical device (interactions with Patients, with primary caregivers, with clinicians) and with other aspects of a clinic. It is a system of products that act as subcomponents of the platform. These include:

- Myant Virtual Clinic Portal (MVCP): a web front end for clinical operations
- Skiin Connected Life App (SCLA): a mobile app front end for Patients
- Myant Back End (MBE): a cloud infrastructure to store, transform and process collected data

The Myant Health Platform is intended to be used by Patients who can use the SCLA to collect ECG and contextual wellness data captured via Skiin Underwear garments. Medical professionals and administrators can login via the MVCP to manage clinical and Patient users, and cardiac tech / cardiologists can review the captured ECG data from the Patient retrospectively at a desired time or based on the time of Patient reported symptoms.

The Myant Health Platform is Health Canada licensed as Class 2 Software as a Medical Device (SaMD). Trained medical professionals can decide based on the review of symptoms and associated ECG to request for a Holter analysis of the ECG data from a third party software. All wellness data is for informational purposes and not intended for medical diagnosis.

This document will specifically focus on the MVCP. Information relating to SCLA is provided in the SCLA User Manual (LB00155).

## 2 Product Performance

The Myant Health Platform comprises a web-accessible clinician portal (MVCP), a mobile application (SCLA), API Services Cluster, and a Data Analytics Cluster. The web portal, API services cluster, and data analytics cluster are hosted on Amazon Web Services (AWS). The mobile application runs on a user's mobile device, which can be Android or iOS based. The cloud-hosted service API Gateway facilitates communication between

front-end and backend components. Together, the API services cluster, data analytics cluster, and API Gateway make up the Myant BackEnd (MBE).

The product performance of the MVCP is to provide Healthcare Professionals (HCP) with a view of aggregated ECG and biometric data captured by their Patients' Skiin Underwear licensed medical device garments, as well as symptoms reported by Patients through the SCLA, for analysis to be used as an adjunct to Patient diagnosis and treatment.

The SCLA is designed to be used in conjunction with Skiin Underwear to allow users to collect and track their health and wellness metrics and view them on the application. Users may also use the app to log and track symptoms they experience. If they register for a clinical program, their symptoms would be reviewed by the clinic via the MVCP.

Additionally, a key feature is the ability to provide Clinic Patient's clinical ECG waveforms to compatible 3rd party licensed products for the purposes of generating physician ordered Holter Reports. The Holter Reports are not part of the MVCP and solely a function within another manufacturer's Health Canada licensed products. The MVCP provides the necessary Patient data management, access to stored ECGs, and communication interfaces to 3rd party Holter Reporting products.

### **3 Indication for Use as Software as a Medical Device**

#### **3.1 Indication for Use Statement for Canada**

The Myant Health Platform is used by HCPs for cardiology clinic Patients being followed to view and track changes in ECG, and *provide data to 3rd party Holter analysis* software as an adjunct to Patient treatment plans. Patients can enter manual symptom events and view their own biometric data for wellness purposes via the Skiin Connected Life App.

#### **3.2 Contraindication**

The Myant Health Platform is not used for diagnostic ECG analysis. The Myant Health Platform should not be used with pediatric Patients. The system is not intended to replace real-time telemetry monitoring for Patients suspected of having life-threatening arrhythmias.

#### **3.3 Product Labels**

The MHP product labels for the MVCP and the SCLA are in the form of E-Labels (electronic labels) located on the sidebar of the MVCP and under "About" on the SCLA. This E-label meets the regulatory label requirements and provides the identification of the product model, revision, GTIN identifier and manufacturer contact address. Please be aware of this information location in case of communication about product updates, revisions and reporting.

## **4 Intended Use as Software as a Medical Device (SaMD)**

The Myant Health Platform is Software (SaMD) comprising a cloud-based portal (Myant Virtual Clinic Portal Plus) and a mobile app (Skiin Connected Life App) to receive and process ECG recordings from the Myant Skiin Underwear, provide a display of ECG waveforms suitable for manual interpretation, and provide ECG data suitable for 3rd Party Holter analysis.

## **5 Data Security**

The Myant Health Platform is built to adhere to the strictest security and privacy best practices as aligned with PHIPA (CA) and HIPAA (US). Myant's privacy policy outlines how we collect and use data. A copy of Myant's privacy policy is found on our website and can be requested from Myant at any time.

## **6 Safety Information for the MVCP**

The system was developed and tested to follow requirements from IEC 60601-2-47 standard for the ECG data to be processed by 3rd party Holter Reporting Software, as well as be presented on an ECG viewer. It is important, however, to read this section carefully in its entirety as it outlines risks and hazards, and associated instructions for safety.

Category	Risks / Hazards	Instructions for safety
ECG filtering	<ul style="list-style-type: none"> <li>● Filter distorts the clean ECG segment due to adjacent large motion artifacts</li> <li>● Filter distorts the clean ECG segment due to artificial gaps or overlap</li> <li>● Interference noise like mains noise leads to the ECG being distorted, or being distorted by the algorithms</li> </ul>	In case of poor signal quality (noise, motion artifact, and/or disconnection) reliable interpretation of filtered ECG may not be possible. You may find ECG of better quality in Previous and/or Next segments to allow signal interpretation.
Heart rate algorithm	<ul style="list-style-type: none"> <li>● Heart rate values would not be displayed if the signal quality is below threshold</li> <li>● Low signal quality may lead to inaccurate heart rate values</li> </ul>	Visually assess signal quality on the ECG strip to infer heart rate accuracy, and use discretion.
	<ul style="list-style-type: none"> <li>● Long gaps (i.e. the heart rate is &lt; 30 bpm or absent)</li> </ul>	The MHP Product does not include the ability to detect long physiological gaps in ECG activity for HR < 30bpm. The MHP is not indicated to detect patients with life threatening arrhythmias e.g. where Asystole or the true absence of ECG activity or rates < 30 bpm could be an outcome.
ECG time	<ul style="list-style-type: none"> <li>● Altered ECG trace speed affecting interpretation of brady/tachy arrhythmias on the portal or 3rd party Holter</li> <li>● Time mismatch between ECG and symptoms due to Patient error, or error introduced between SCLA, MBE, and MVCP</li> </ul>	If the presence of abnormal signals is detected (e.g. compressed or stretched ECG, unexpected dates, ECG unexpectedly missing), please contact <a href="mailto:support@myant.ca">support@myant.ca</a> for assistance.
	<ul style="list-style-type: none"> <li>● ECG summary does not reflect ECG strip in web portal</li> </ul>	ECG summary is for billing and not intended for diagnosis.
	<ul style="list-style-type: none"> <li>● Small gaps in the ECG data acquired by the Skiin UW device may be excluded in the Myant Health Platform's ECG files stored for viewing on the MVCP and as output to the Holter API interface.</li> </ul>	The small gaps in ECG may infrequently occur when the ECG time stamps can not be guaranteed to be accurate. Review adjacent or other ECG strip durations to assess the patient's ECG status at the time of the ECG gap.



	<ul style="list-style-type: none"> <li>The location of the created tag on the ECG signal may slightly change in time relative to where the clinical user selects as well as based on the way the clinical user comes to the same ECG segment later.</li> </ul>	The tags on the ECG strip have the potential to shift up to +/- 0.3 seconds from where they were initially tagged.
	<ul style="list-style-type: none"> <li>The ECG scrubber occasionally does not display data.</li> </ul>	Click on the next/previous 30 secs icon or refresh the page to get the ECG scrubber to display the data.
Holter request	<ul style="list-style-type: none"> <li>API calls failed, ECG data transfer unsuccessful</li> </ul>	If the API call for ECG fails, retry after 10 minutes. If calls continue to fail, contact <a href="mailto:support@myant.ca">support@myant.ca</a>
	<ul style="list-style-type: none"> <li>Time and/or date mismatch between reported symptoms and real symptoms due to Patient mistakes</li> <li>Holter dates recommended by the MVCP do not match the dates of symptoms</li> </ul>	The Holter Request can be repeated for different dates at the user's discretion.
	<ul style="list-style-type: none"> <li>ECG data observed in the Holter Report may not be shown on the MVCP's ECG viewer in very specific corner cases and for a short time segment, or, missing data on the Holter Report may be seen on the ECG Viewer</li> </ul>	Based on observations, missing ECG data on the Holter Report is not lost. ECG data discarding up to 5 minutes can be expected in some corner cases, and the system ensures it would not be more than 30 minutes.
	<ul style="list-style-type: none"> <li>Misalignment of the Holter date starting in a timeframe with no ECG data due to Timezone conversion. Calculations are made in UTC days, the suggested start dates will also be 0000 hours UTC which when converted to user's timezones (those ones that are behind UTC), will show the previous day.</li> </ul>	Data availability is stored in Coordinated Universal Time (UTC). Discrepancies in data availability may occur when converted to local time.
Garment related	<ul style="list-style-type: none"> <li>The garment is misplaced on the body and the ECG measured does not match the lead description.</li> </ul>	The lead direction for the ECG measured may differ from the designed ECG lead direction if the garment is not worn as designed (e.g. rotated).
	<p>If the garment user removes the band while leaving the pod in, and folds the band such that some of the electrodes touch each other, the pod may not detect that the band is not on body anymore (lead-off state). In this case, the body temperature estimate goes high and could saturate at a reading of 43 degrees C.</p>	The garment user is provided the following information in the user manual to help avoid this risk: If you are taking off your garment, it is important that you remove the Pod from the garment. This is to avoid rare cases where the garment continues to capture data because the sensors on the garment happen to be in contact with each other.

<p>Irregular Heart Rhythm</p>	<p>IHR - is for Research Use Only (RUO). Only Authorized clinics have access to this RUO feature. However, since it is available it could be applied to the patient assessment and used in decision making by the physician. The IHR is not validated for clinical use, yet. In this case, the use of the IHR would be off-label use of the MHP and could provide misleading information on the patient's ECG activity.</p>	<p>For Research Purposes Only.</p> <p>These Myant/Skiin Atrial Fibrillation metrics have been developed rigorously based on the entropy of RR intervals (research available upon request) using available clinical evidence, but have not yet been cleared by Health Canada, the FDA, or any regulatory body, for its diagnostic capabilities. The AFib metrics are provided as an information to trained professionals, who need to practice their own assessment on the ECG displayed on this interface.</p>
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Once you are ready to access the MVCP, please do so through a secure and encrypted internet connection dedicated to your organization to minimize cybersecurity risks.

## 7 Concept of Operation

The Myant Health Platform comprises a web-accessible clinician portal, a mobile application, API Services Cluster, and a Data Analytics Cluster. The web portal, API services cluster, and data analytics cluster are hosted on Amazon Web Services (AWS). The SCLA mobile application runs on a user’s mobile device, which can be Android or iOS based. The cloud-hosted service API Gateway facilitates communication between front-end and backend components. Together, the API services cluster, data analytics cluster, and API Gateway make up the Mobile BackEnd (MBE).

The SCLA mobile application communicates with a Skiin garment via an encrypted Bluetooth Low Energy protocol and acts as a bridge (Medical Device Data System) to upload Patient data to the API Services Cluster. The API Services Cluster then transfers data to the Data Analytics Cluster for signal processing. The web portal can then be used by a clinician to access processed Patient data. All data in transit is encrypted with TLS v1.2, while all data at rest is encrypted using Amazon managed services.

## 8 Getting started with MVCP

### 8.1 Browser compatibility

The user shall be able to access MVCP on modern browsers, specifically Chrome 101, 102, and Safari 14, 15.



Chrome 101, 102



Safari 14, 15

## 8.2 Types of roles

MVCP users have the option to be designated one of the following five roles:

Role(s)	Access and control
Admin	<ul style="list-style-type: none"> <li>• Has complete access and control over all areas of the MVCP, including inviting new clinical users onto the MVCP</li> </ul>
Desk Admin	<ul style="list-style-type: none"> <li>• Verify Patient information to add them onto the MVCP</li> <li>• Assign an MD to a Patient</li> <li>• View symptoms reported by Patients</li> <li>• Remove a Patient</li> </ul>
Cardiac Tech	<ul style="list-style-type: none"> <li>• Verify Patient information to add them onto the MVCP</li> <li>• Assign an MD to a Patient</li> <li>• Remove a Patient</li> <li>• View symptoms reported by Patients</li> <li>• Add interpretations to a log, and change the status of a log</li> </ul>
MD Wellness Coach	<ul style="list-style-type: none"> <li>• View symptoms reported by Patients</li> <li>• Add interpretations to a log, and change the status of a log</li> </ul>

## 8.3 Setting up your account as a Clinical User

To access the MVCP, you will need to receive an email from your clinic's Admin inviting you to create an account. If you are an Admin, please refer to section 14.1 on how to invite new Clinic Staff.

From the email link, you will be directed to a page to complete your account creation. You will need to enter your first and last name, as well as create a password. Once you have successfully created your account, you will receive a confirmation email.

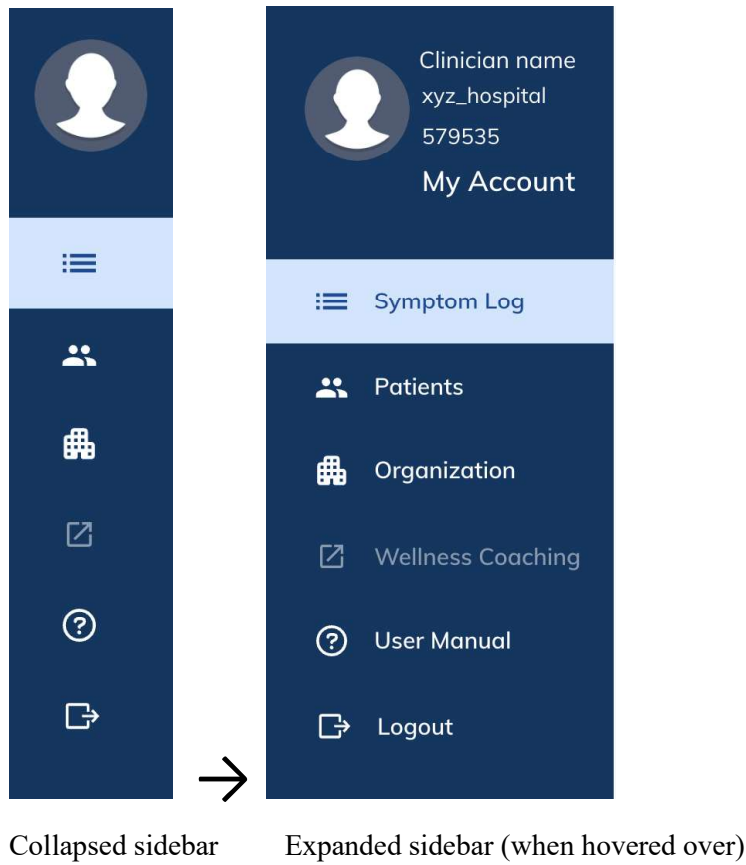
## 8.4 Signing into MVCP

You can access MVCP using the following link on your web browser: <https://scwp.skiinserver.com/>. Sign in using the email and password used to set up your account in section 8.3.

## 9 Navigation on MVCP

The blue sidebar on the left-hand side of the screen serves as the main navigation for the MVCP. All key areas of the MVCP can be accessed through this sidebar, as described further in the subsequent sections. The sidebar also features a "Logout" button to securely exit the MVCP, along with the version number. By default, the

sidebar is collapsed but will expand when hovered over. For Admins and Desk Admins, a clinic code is also visible for easy reference to share with patients looking to join the clinical program.



## 10 Reviewing symptoms, ECG, and contextual wellness data on the MVCP

### 10.1 Symptom log status types

The Symptom Log page offers quick access to the symptoms logged by Patients. The logs will be marked with one of the following statuses:

Icon and Status	Description
	Symptom newly logged by a Patient, and is pending review by Cardiac Tech
	Symptom was updated by Patient after initial logging, and is pending review by Cardiac Tech
	Symptom marked by Cardiac Tech for further review by MD
	Symptom reviewed by MD  Note: Once a symptom log is changed to this status, it will be automatically added to a summary report (CSV) that lists all other symptom logs marked as "Reviewed by MD" for the day - for billing purposes. This report will be emailed daily to the Clinic Admin, along with PDFs of ECG strips associated with the symptom logs for the Clinic's recordkeeping.
	Symptom reviewed by Cardiac Tech

### 10.2 Navigating the Symptom Log page, including filtering and sorting

Click “Symptom Log” on the sidebar to view the list of symptoms logged by Patients through the SCLA in the past 6 months. For all users (except MDs), the logs are sorted in the following order by default:

New → Updated by Patient → MD to Review → Reviewed by MD → Reviewed by Tech

Within each status grouping, the logs are sorted by most recent. You may also sort the logs by Patient name, symptom date, and physician; click on each respective column title to do so. Note, the tags column refers to the number of tags on the ECG associated with that symptom log. The ECG tagging system will be covered in section 10.7.

You may also filter symptom logs by status and date using the respective dropdowns. To clear these filters, click on “Reset”. For Admin, Desk Admin, and CT users, it is important to reset any status or date filters that have been applied so that any newly reported symptoms are not missed. For MD users, it is important to reset any date filters that have been applied so symptom logs outside of the date range are not missed.

Notes:

- When a Patient is marked as “(unverified)”, it means they are pending registration.
- To view a history of each log, such as which clinic staff member viewed or made changes, click ⋮ on the far right of the respective log, then “Log History”.

**Symptom Log**  
Review symptoms recently reported by patients.

Status (All) Date (All) [Reset](#) Page 1 of 4 > >|

PATIENT NAME ↑	SYMPTOM DATE	PHYSICIAN	TAGS	STATUS ↓
Patient A	2022-03-21, 16:02	Not assigned	-	New
Patient B	2022-03-21, 14:45	Clinician A	-	New
Patient C	2022-03-21, 15:32	Clinician E	5	MD To Review
Patient D	2022-03-21, 13:56	Clinician B	2	MD To Review
Patient E	2022-03-21, 13:39	Clinician C	1	MD To Review
Patient F	2022-03-20, 11:47	Clinician B	8	MD To Review
Patient G	2022-03-20, 11:02	Clinician D	3	Reviewed by MD
Patient H	2022-03-20, 10:10	Clinician A	2	Reviewed by MD
Patient I	2022-03-19, 9:43	Clinician E	-	Reviewed by Tech
Patient J	2022-03-19, 8:10	Clinician C	1	Reviewed by Tech

For MDs, logs by default are filtered by “MD to Review” from Patients you are assigned to. If you wish to view logs marked with other statuses, you may do so by clicking on the dropdown and selecting the other status types you wish to see.

### 10.3 Locating symptom logs of a specific Patient

Click on “Patients” on the sidebar. Then type in the name of the relevant Patient into the search bar at the top, or sort alphabetically by clicking on the “Patient Name” column. You may additionally filter Patients by their registration status using the filter dropdown.

### Patients

Approve registrations and manage patients under your organization's care.

Q

All Patients

Page 1 of 2 > > |

STATUS ↑	PATIENT NAME ↓ ↕	DATE OF BIRTH ↓ <small>NEW OLD</small>	HEALTHCARD NO. ↓ ↕	VERSION ↓ ↕
Pending	Patient C	1981-01-01 (41)	1234567891	PO
Pending	Patient Z	1956-01-02 (66)	1987654321	XX
Invalid	Patient O	1962-03-01 (60)	2345678910	DD
Verified	Patient B	1985-01-01 (37)	3456789101	GH
Verified	Patient E	1960-01-03 (62)	4567891012	KK
Verified	Patient G	1972-01-02 (50)	5678910123	AB
Verified	Patient H	1982-02-03 (40)	6789101123	HH
Verified	Patient J	1990-01-04 (32)	7891012345	FG
Archived	Patient P	1979-01-02 (43)	8910112345	AA
Archived	Patient X	1965-01-05 (57)	9101123456	LX

**Legend:** 1: Search bar, 2: Registration status filter dropdown, 3: Sort Patients alphabetically

Click on the Patient of interest, which by default leads to their “Patient Profile” subpage. To view a list of their symptom logs however, simply switch by clicking on the “Symptom Log” subpage, as seen below. Navigate through their past symptom logs using the pagination arrows on the top right.

#### Patient A Verified

Date of Birth	Gender	Health card number	Version	Email	Physician
1964-03-01 (58)	F	1111-222-333	AB	patienta@gmail.com	Clinician B

SYMPTOMS & ECG

PATIENT METRICS

PATIENT PROFILE

NOTES

PROGRAM

CONSULTATIONS

##### Event Log

Status (All)

Date (All)

Reset

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	SYMPTOM DATE AND TIME	STATUS	ANALYSIS	LAST UPDATED	TAGS
	2022-11-09, 16:02	New	-		5 <a href="#">Holter Dates</a> <span style="float: right;">⋮</span>
	2022-11-08, 12:01	New	-		-- <a href="#">Holter Dates</a> <span style="float: right;">⋮</span>
	2022-11-06, 10:45	New	-		-- <a href="#">Holter Dates</a> <span style="float: right;">⋮</span>

⌵ View more symptom logs

## 10.4 Viewing symptom logs

Once you click on a symptom log, you will land on the “Symptoms & ECG” subpage within the respective Patient’s page. Here, you will see a section displaying other symptom logs of the Patient (which also includes corresponding Holter dates), viewing hours of ECG data available, a section displaying additional details of the selected log, an ECG viewer, contextual wellness metrics, and a section for analysis at the bottom. These topics are described in greater detail in the subsequent subsections. See next page for a full view of what was described.



**Patient A** Verified

Date of Birth  
1964-03-01 (58)

Gender  
F

Health card number  
1111-222-333

Version  
AB

Email  
patienta@gmail.com

Physician  
Clinician B

SYMPTOMS & ECG
PATIENT METRICS
PATIENT PROFILE
NOTES
PROGRAM
CONSULTATIONS

**Event Log**

Status (All) ▾
Date (All) ▾
Reset
Page 1 of 260 > | >

SYMPTOM DATE AND TIME	STATUS	ANALYSIS	LAST UPDATED	TAGS
2022-11-09, 16:02	<span style="background-color: #007bff; color: white; padding: 2px 5px;">New</span>	-		5 <a href="#">Halter Dates</a> ⋮
2022-11-08, 12:01	<span style="background-color: #007bff; color: white; padding: 2px 5px;">New</span>	-		-- <a href="#">Halter Dates</a> ⋮
2022-11-06, 10:45	<span style="background-color: #007bff; color: white; padding: 2px 5px;">New</span>	-		-- <a href="#">Halter Dates</a> ⋮

View more symptom logs

**Symptom details**

UPDATED 2022-09-11, 16:15

**Palpitations** ● 8/10

**Duration**  
10m

**Possible triggers**

Caffeine

**ECG Viewer**

Viewer options
Date: 2022-09-11 ▾
Time: 16 : 02
Update Strips
⌂
>

Frequency filter: 0.05-45Hz (Standard) | Mains noise filter: Off | Amplitude: 10mm/mV

16:02:00
< Previous 30s
Next 30s >
16:02:30

Garment type: Skin-underwear

5 seconds (10mm/mv) - Channel 1

5 seconds (10mm/mv) - Channel 2

5 seconds (10mm/mv) - Channel 3

**Metrics**

**Heart Health**

Heart Rate

100 bpm

**Activity**

Activity Target

4,567 /10,000 steps

Last Posture

Lying down

**Body Temperature**

37.4 °C

**Blood Pressure**

Closest to ECG strip

2022-08-30, 16:30 (1 hr before)

120/81 mmHg

2022-09-01, 04:43 (2 days after)

119/79 mmHg

**Oxygen Saturation**

Closest to ECG strip

2022-08-30, 16:30 (1 hr before)

96 %

2022-09-01, 04:43 (2 days after)

93 %

**Body Weight**

Closest to ECG strip

**Analysis**

Artifact     No ECG     Diagnosis

**Rhythm**

1AVB     IRD     Pause

2AVB1     IRV     SA

2AVB2     JR     SR

3AVB     MAT     SVT

AF     NNS     SA

AFL     NNV     VFib

BBB     NS     VT

EAT     NV     WAP

Other

Interpretation

**Status**

New

Updated by patient

MD to review

Reviewed by MD

Reviewed by tech

Save

Discard changes

## 10.5 Additional symptom details

For the selected symptom log, you may view additional details provided by the Patient regarding their symptom experience such as severity, duration, possible triggers, and notes. These details are displayed to the left of the ECG viewer.

Note, Patients can report multiple symptoms in one log, and are able to update it following initial logging. If a Patient updated their symptom details, you may view a history of it by clicking on “Audit Log”.

### Symptom details

UPDATED 2022-09-11, 12:01

**Palpitations** ● 8/10

**Duration**  
10m

**Possible triggers**

Caffeine

**Patient's note**  
-

---

**Fatigue** ● 5/10

**Duration**  
32m

**Possible triggers**

Stress

**Patient's note**  
Took a short nap as I was feeling tired after a stressful day at work but woke up with palpitations. I had 2 cups of coffee this morning.

[Audit Log >](#)

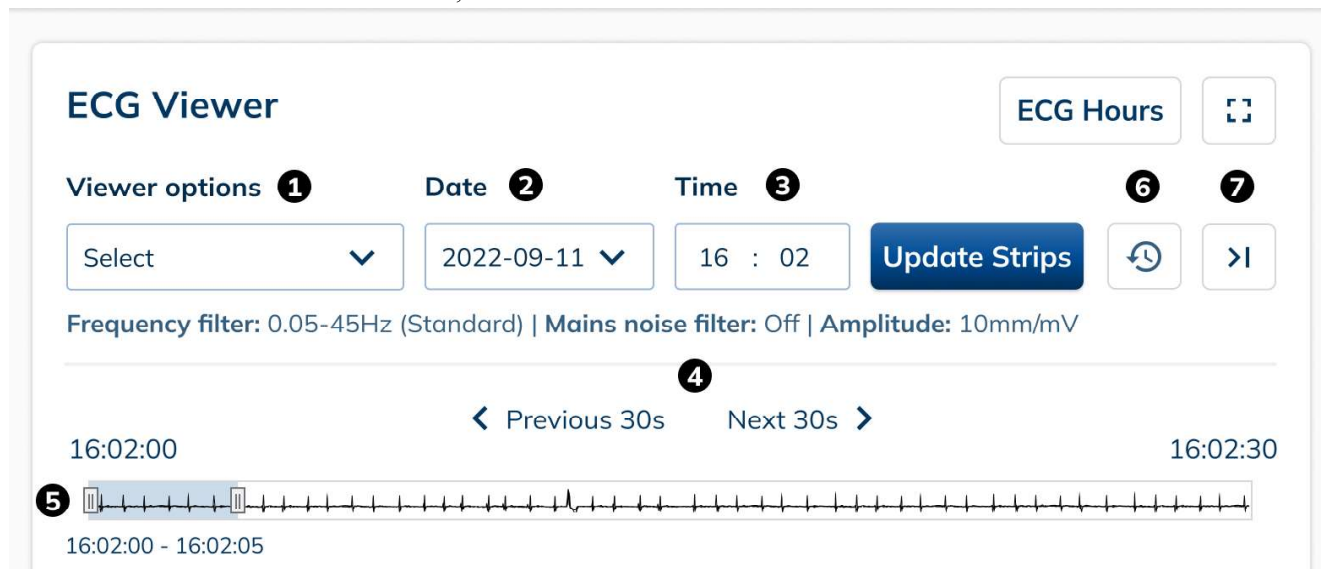
## 10.6 Using the ECG viewer

The ECG viewer displays waveforms across up to three channels if the Patient was wearing the Skiin Underwear at the time of symptom. By default, ECG from the time of symptom will be loaded. Towards the top, there are options to control or manipulate the ECG viewer, such as:

1. Viewer options: Dropdown with the following options
  - Frequency filter (0.05-45 Hz or 0.5-45 Hz)
  - Mains noise filter (on or off)
  - Amplitude scaling (5, 10, 20 or 40mm/mV)
2. Date: Calendar dropdown to view ECG data from a different date
3. Time: View ECG data from a specific time by typing into the text field (24-hr format)
4. Navigate to previous or next 30 seconds of ECG data
5. Scrubber: 30 seconds of ECG data, with the highlighted portion (5 second window) being displayed on the strips below. The highlighted portion can be clicked and dragged to navigate across the 30 seconds.
6. Return to symptom log time
7. View the latest recorded ECG

To apply your selections, click on the “Update Strips” button.

There is also the “ECG Hours” button, which will be covered in more detail in section 10.11.

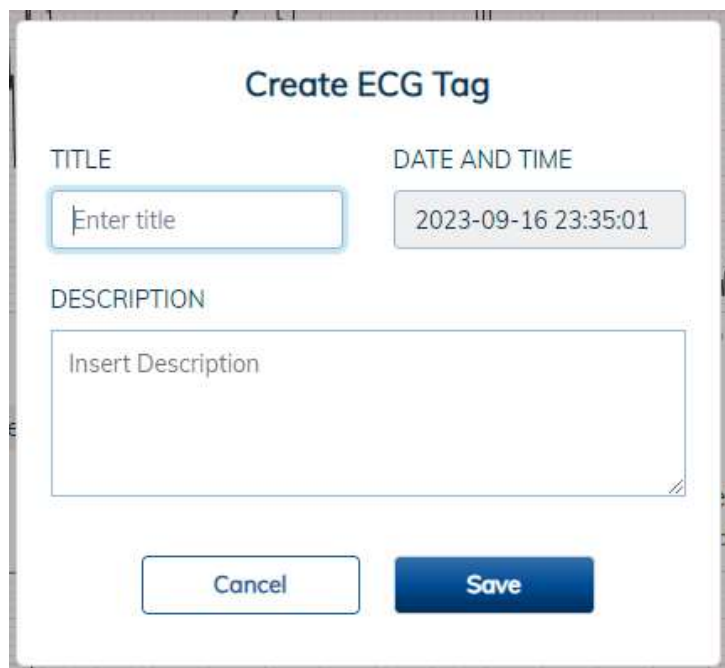


## 10.7 ECG tags

### 10.7.1 Creating tags on ECG strips

Clinical users with CT and MD roles have the option to create tags on the ECG strips so that they may quickly jump to segments of ECG marked for interest or later reference, like bookmarks. To create a tag, click on the segment of ECG data you wish to tag. In the modal that pops up, enter a title and description for the tag and click “Save”.

Note: The tags on the ECG strip have the potential to shift up to +/- 0.3 seconds from where they were initially tagged. The root cause will be fixed in an upcoming release.



The screenshot shows a modal window titled "Create ECG Tag". It contains three input fields: "TITLE" with a placeholder "Enter title", "DATE AND TIME" with a value of "2023-09-16 23:35:01", and "DESCRIPTION" with a placeholder "Insert Description". At the bottom, there are two buttons: "Cancel" and "Save".

### 10.7.2 Editing or deleting tags on ECG strips

You may also edit or delete tags by clicking on a tag below the ECG strip and selecting:

1. Click on the pencil icon to edit, make the changes and click “Save”.
2. Click on the trash can icon to delete, and click “Delete” on the modal popup to confirm.

## 10.8 Contextual wellness metrics

As you navigate across the ECG viewer, the metrics on the right will update correspondingly to provide you with a more holistic snapshot of the Patient.

Heart rate displayed under the Metrics section is the average heart rate across the 30 seconds of ECG loaded on the scrubber. Values for Activity (steps and posture) and Core Body Temperature are displayed as of the start of the 30 seconds of ECG loaded on the scrubber. As for the values of Blood Pressure, Oxygen Saturation, and Weight, they display closest measurements from before and after the time period shown on the ECG channels.

### ECG Viewer

Viewer options: Select | Date: 2022-09-11 | Time: 16 : 02 | Update

Frequency filter: 0.05-45Hz (Standard) | Mains noise filter: Off | Amplitude: 10mm/mV

16:02:00 | Previous 30s | Next 30s | 16:02:30

16:02:00 - 16:02:05

Garment type: Skiin-underwear

#### 5 seconds (10mm/mv) - Channel 1

#### 5 seconds (10mm/mv) - Channel 2

#### 5 seconds (10mm/mv) - Channel 3

### Metrics

#### Heart Health

Heart Rate  
**100** bpm

#### Activity

Activity Target  
**4,567** /10,000 steps

Last Posture  
Lying down

#### Body Temperature

**37.4** °C

#### Blood Pressure

Closest to ECG strip  
2022-08-30, 16:30 (1 hr before)  
**120/81** mmHg

2022-09-01, 04:43 (2 days after)  
**119/79** mmHg

#### Oxygen Saturation

Closest to ECG strip  
2022-08-30, 16:30 (1 hr before)  
**96** %

2022-09-01, 04:43 (2 days after)  
**93** %

## 10.9 Providing an analysis for a symptom log

MDs and Cardiac Techs may check off any potential arrhythmias in the ECG and add an interpretation for the log. Logs may be flagged for MDs by Cardiac Techs using “MD To Review”. Once reviewed by the MD the status is changed to “Reviewed By MD”. This will initiate data archive and the appropriate remote ECG billing process. If a review by MD is not required, the Cardiac Tech will change the status to “Reviewed By Tech”. Click on “Save” to save your analysis and status change.

Note: The Analysis section would be disabled if the Patient is pending registration. Also, the status cannot be changed to “MD To Review” or “Reviewed By MD” until the Patient is assigned an MD.

The screenshot displays the 'Analysis' section of a medical portal. It features a grid of checkboxes for selecting various arrhythmias under the 'Rhythm' category. The 'AF' (Atrial Fibrillation) option is selected. To the right, an 'Interpretation' text area contains the text: 'The rhythm was irregular. 3 instances of AFib'. On the far right, a 'Status' dropdown menu is open, showing options: 'New', 'Updated By Patient', 'MD To Review', 'Reviewed By MD' (which is highlighted), and 'Reviewed By Tech'. Below the status menu are two buttons: 'Save' and 'Discard Changes'. At the bottom left of the interface, there is a timestamp: 'Last Updated 2023-06-12, 16:52'.

## 10.10 Third party Holter - Holter dates

View suggested Holter dates for each symptom log by clicking on “Holter Dates” found at the end of the respective row. The earliest suggested start date is calculated by scanning for 336 hours (14 days) of ECG data, moving backwards up to 30 days from the date of the symptom. The latest suggested start date is calculated by scanning for the same 336 hours of ECG data, but moving forwards up to 30 days from the date of the symptom.

If there are less than 336 hours of ECG data available upon scanning backwards and forwards, the modal will display the maximum number of available hours.

The screenshot displays an 'Event Log' table with columns for 'SYMPTOM DATE AND TIME' and 'STATUS'. A modal window is open over the table, titled 'Suggested start dates for Holter requisition form'. The modal contains the following text:

For symptom log reported on 2023-09-20 at 09:18. Use either start date to fill Holter requisition form.

Note: Data availability is stored in Coordinated Universal Time (UTC). Discrepancies in data availability may occur when converted to local time.

- Earliest Suggested Start Date: 2023-08-31, 20:00 (175 hours of ECG data available)
- Latest Suggested Start Date: 2023-08-31, 20:00 (175 hours of ECG data available)

At the bottom of the modal, there is a blue information box with a question mark icon and the text: 'Less than 336 hours of ECG data available within 30 days of reported symptom.'

Ordering MDs may use these suggested dates when filling out Holter requisition forms on their respective EMR. The 3rd party Holter analysis company would use these dates to pull ECG data from the Myant Back End, which would then be used to generate a Holter report.

Please note, data availability is stored in Coordinated Universal Time (UTC). Discrepancies in data availability may occur when converted to local time.

## 10.11 ECG hours

To view how many hours of ECG data is available across a date range, click on the “ECG Hours” button on the ECG viewer. This provides a calendar view of how many hours of ECG is available per day. To view the total ECG hours across a date range, click on a start and end date, and the total will be displayed at the bottom. There will also be a percentage figure, which represents the hours of ECG as a percentage of the total possible hours. For example, 74 hours 33m of ECG data across 7 days (168 hours) would be 44.4%.

**ECG Hours** [X]

You may select a start and end date to view the total hours of ECG data available for the specified date(s).

< September, 2023 >

SUN	MON	TUE	WED	THU	FRI	SAT
					1 5h 58m	2 10h 8m
3 11h 25m	4 11h	5 10h 4m	6 7h 57m	7 9h 57m	8 5h 50m	9 8h 40m
10 11h 52m	11 9h 41m	12 13h 57m	13 10h 38m	14 9h 9m	15 17h 44m	16 1h 32m
17 0h	18 59m	19 6h 39m	20 0h	21 0h	22 0h	23 0h
24 0h	25 44m	26 11h	27 0h	28 0h	29 0h	30 0h

Clear selection

Total hours of ECG available for selected date(s):  
**74h 33m across 7 days (44.4%)**

*i* Due to rounding, the total above may not exactly match the sum of each selected day.

ECG Hours [Full Screen] [Refresh] [Next]

11:35:28 PM

## 11 Patient Metrics



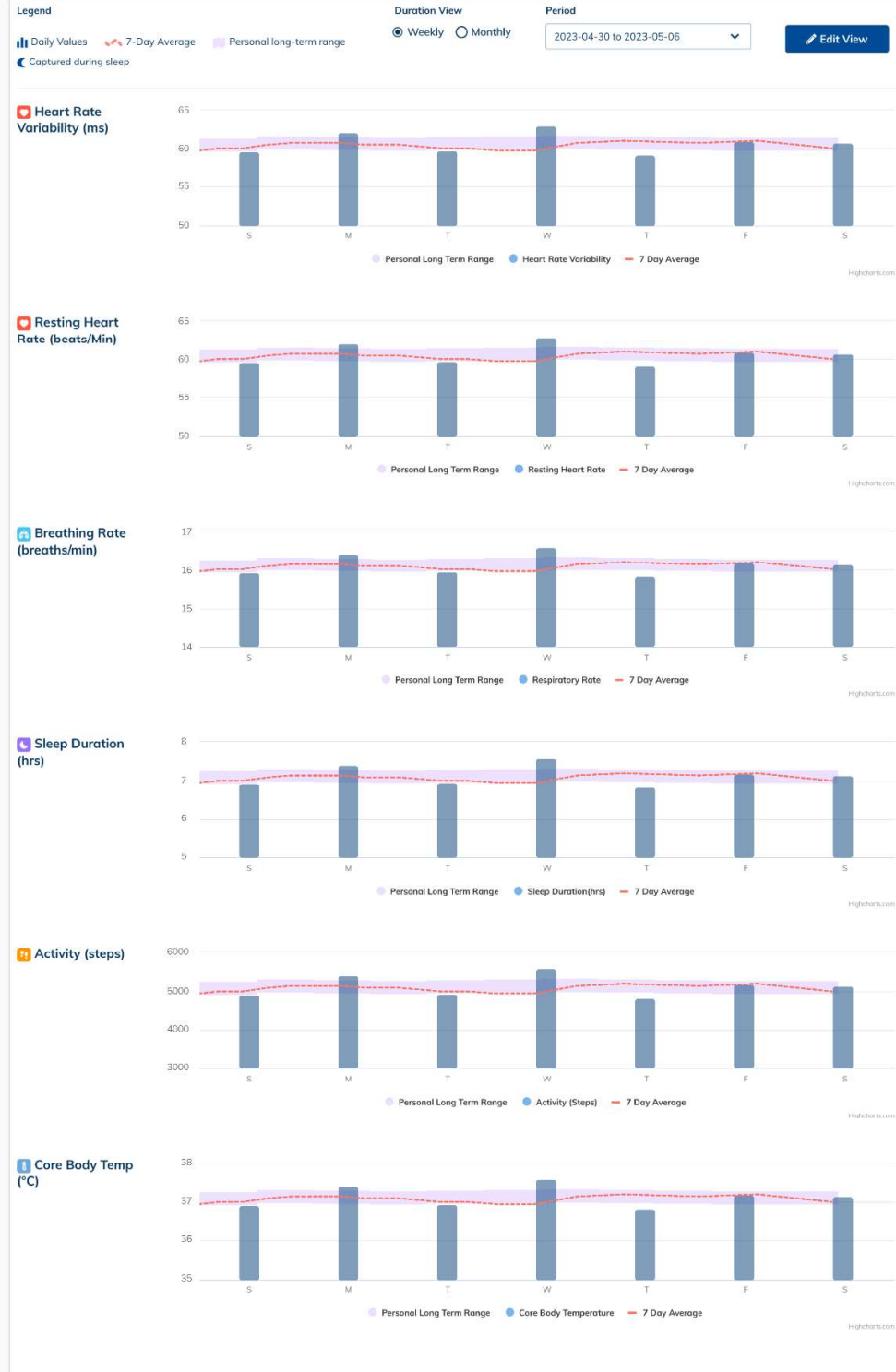
The Patient Metrics subpage (see next page for image) displays trends for the Patient such as resting heart rate, heart rate variability, and wellness metrics such as body temperature, steps, breathing rate, and sleep duration. With the exception of steps, which is cumulative across a day, all metrics values are averages calculated using data captured during sleep, rather than over the course of a full day. The 7-day average and personal long-term range are calculated by averaging data captured during sleep (except steps) across the last 7 and 30 days respectively. The values may be toggled between weekly and monthly views.

**Patient A** Verified

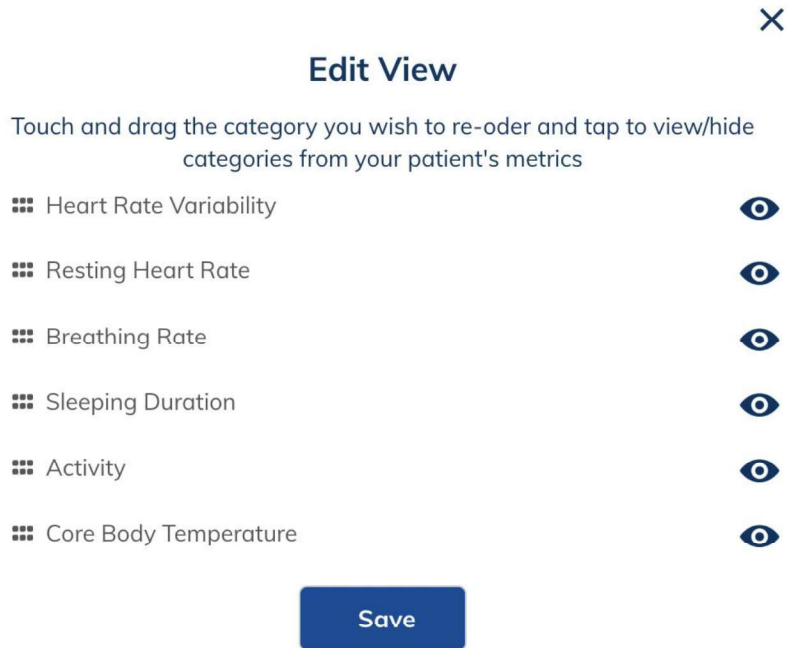
Date of Birth: 1964-03-01 (58) | Gender: F | Health card number: 1111-222-333 | Version: AB | Email: patienta@gmail.com | Physician: Clinician B

- SYMPTOMS & ECG
- PATIENT METRICS
- PATIENT PROFILE
- NOTES
- PROGRAM
- CONSULTATIONS

**Patient Metrics**

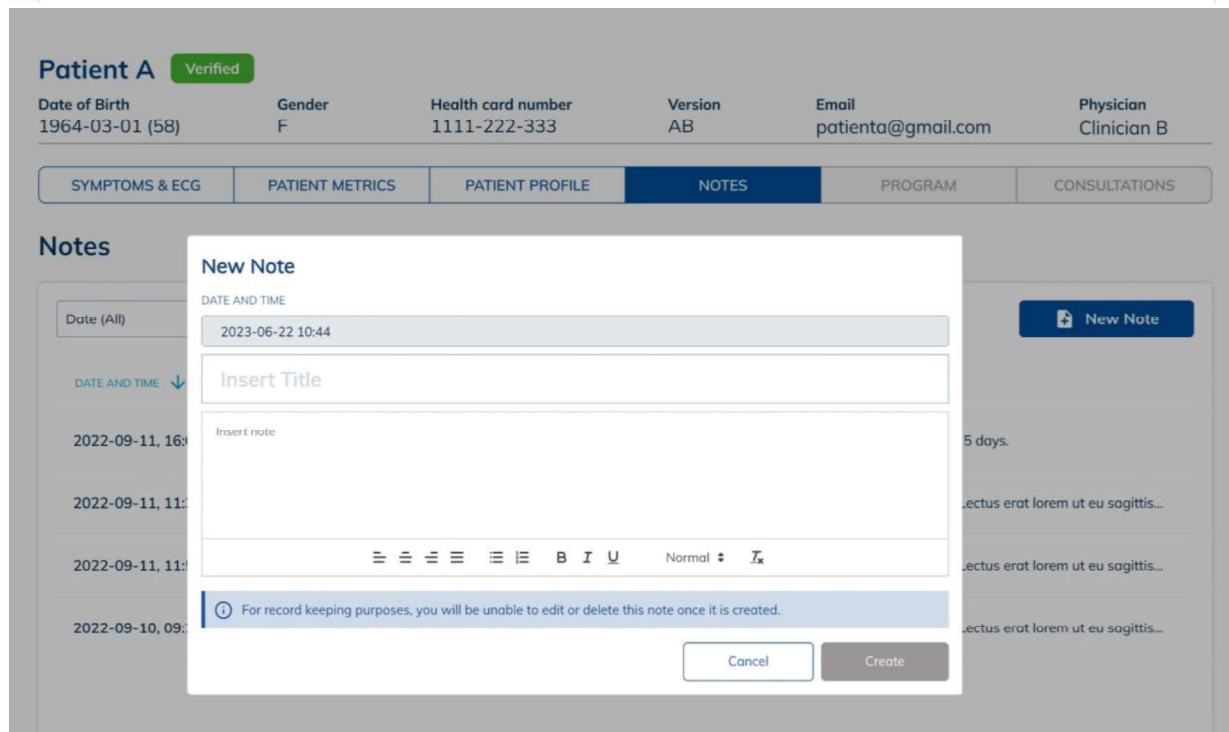
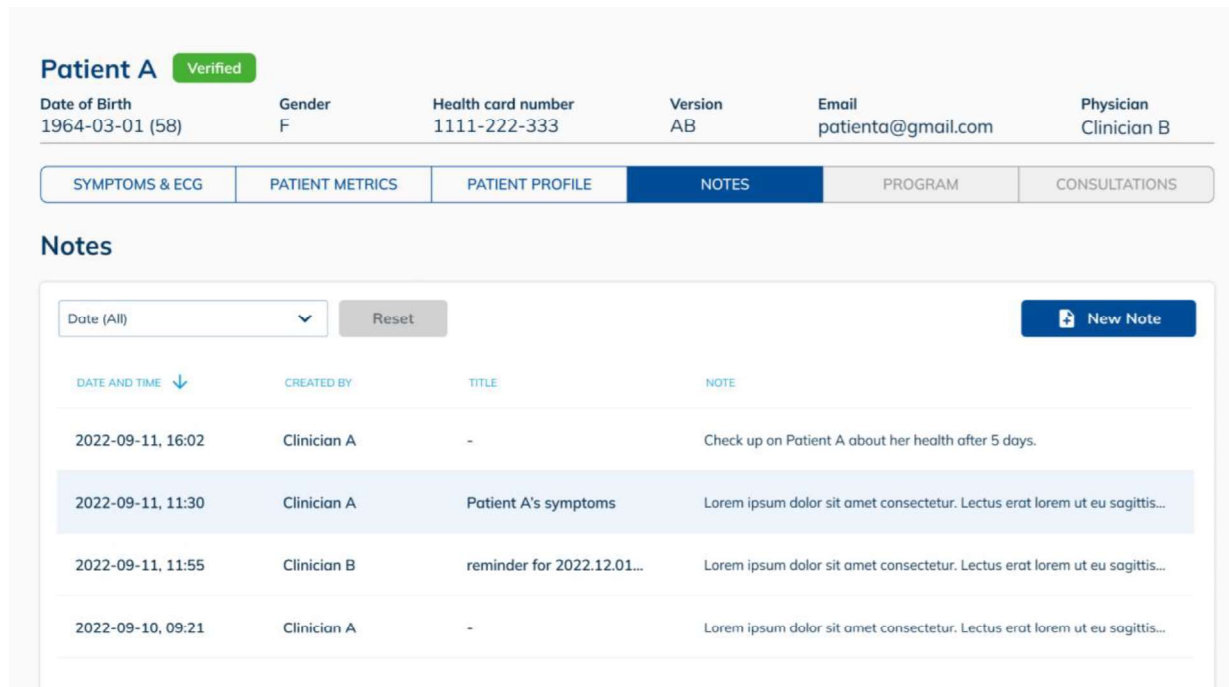


A clinical user may choose to re-order or hide metrics according to what they believe is appropriate for each of their Patients. To edit, click on the blue “Edit View” button and drag the metrics to re-order or use the eye icon to show or hide the metric, then click “Save”.



## 12 Notes

The Notes subpage enables Clinical Users to create notes for the respective Patient. Once created, a note cannot be edited or deleted for recordkeeping purposes. You may filter notes by dates using the Date dropdown. To clear the date filter, click “Reset”.



## 13 Managing Patients on the MVCP

Click “Patients” on the sidebar to see a list of Patients on the MVCP, where you may verify a Patient’s information and register them onto the MVCP, assign an MD to a Patient, and archive a Patient by removing them from the MVCP.

**Patient List**  
 Approve registrations and manage patients under your organization's care.

Q

All Patients

v

Page 1 of 2 > >|

STATUS <span style="font-size: 0.8em;">↑</span>	PATIENT NAME	DATE OF BIRTH	HEALTHCARD NO.	VERSION
Pending	Patient C	1981-01-01 (41)	1234567891	PO
Pending	Patient Z	1956-01-02 (66)	1987654321	XX
Invalid	Patient O	1962-03-01 (60)	2345678910	DD
Verified	Patient B	1985-01-01 (37)	3456789101	GH
Verified	Patient E	1960-01-03 (62)	4567891012	KK
Verified	Patient G	1972-01-02 (50)	5678910123	AB
Verified	Patient H	1982-02-03 (40)	6789101123	HH
Verified	Patient J	1990-01-04 (32)	7891012345	FG
Archived	Patient P	1979-01-02 (43)	8910112345	AA
Archived	Patient X	1965-01-05 (57)	9101123456	LX

## 13.1 Patient status types

Status	Description
<b>Pending</b>	Take action by verifying if the information submitted by the Patients through the SCLA is correct or not. If correct, the Patient is successfully added onto the MVCP and their status will be changed to <b>Verified</b> .
<b>Invalid</b>	Patients who have submitted incorrect information via the SCLA and will need to resubmit the correct information. The Clinic will have to contact these Patients to request resubmission.
<b>Verified</b>	Patients who have been successfully added onto the MVCP.
<b>Archived</b>	Patients who have been removed from the MVCP or no longer wish to be a part of the clinic's program. New data from them will not be relayed to the MVCP, but existing data will stay on record for 10 years as per Ontario's Public Hospitals Act.

## 13.2 Verifying a Patient

A Patient who has registered through SCLA to be part of the clinic’s program will appear as **Pending**. The Patient’s information has to be verified by a Desk Admin before they can officially be added to the clinic’s Patient list on MVCP. To complete the verification process, follow these steps:

1. Locate the **Pending** Patient of interest from the Patient list and click on their row. You will be directed to the “Patient Profile” page.
2. Review the “Personal Information” and ‘Healthcare Information” sections.

The screenshot shows the 'Patient Profile' page for 'Patient A'. At the top, the patient's status is 'Pending'. Below this, there is a table with patient details: Date of Birth (1982-02-04, 00:00 (41)), Gender (M), Health Card Number (8520963074), Version (GG), Email (patienta@gmail.com), and Physician (Not Assigned). A navigation bar includes 'SYMPTOM LOG', 'PATIENT PROFILE' (selected), 'PATIENT METRICS', 'PROGRAM', and 'CONSULTATIONS'. A blue modal box asks 'Is the patient's information correct?' with 'No' and 'Yes' buttons. Below the modal, there are two columns: 'Personal Information' (Patient Name: Patient A, Email: patienta@gmail.com, Facility Information: Physician To be assigned.) and 'Healthcard Information' (Name On Card: Patient A, Healthcard No.: 8520963074, Version: GG, Date of Birth: 1982-02-04, Expiry Date: 2023-12-31). A 'Remove Patient' button is at the bottom.

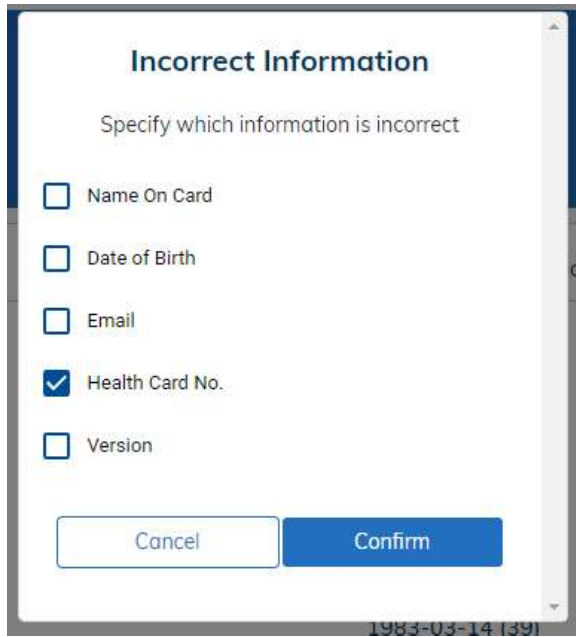
If the information provided by the Patient is correct,

1. Click “Yes” in the blue Pending box.
2. You will see a confirmation modal telling you that the Patient has been verified. Click “Done”.
3. You have now completed the verification process for the Patient. The Patient is labeled as **Verified** in the Patient list. The Patient will be notified on SCLA that they have been added to your clinic’s program.

If the information provided by the Patient is incorrect,

1. Click “No” in the blue Pending box.
2. An “Incorrect Information” modal will appear. Check off the type(s) of information that is incorrect.
3. Click “Confirm”.
4. A red Invalid box will appear on the “Patient Profile” page. It will specify the type(s) of information that is incorrect. On the Patients list, they will appear as **Invalid**.

4. Contact the Patient and kindly ask them to update the incorrect information on SCLA. Once they have made the update, they will reappear on the Patient list as **Pending**.




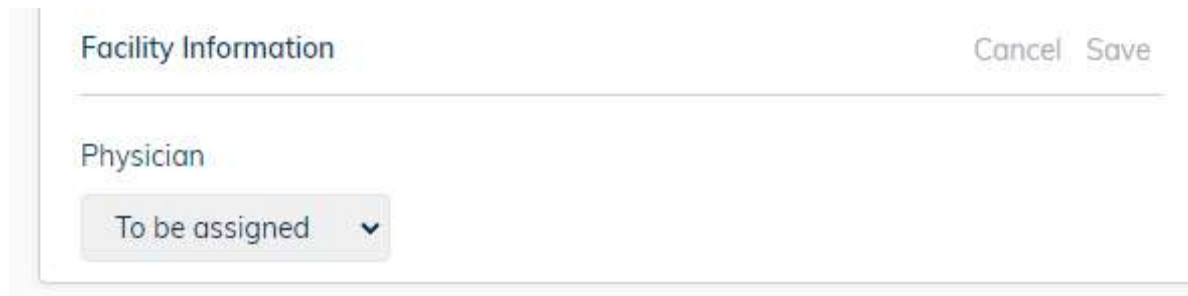
The screenshot shows a dialog box with a white background and a blue border. At the top, the title "Incorrect Information" is displayed in bold blue text. Below the title, the instruction "Specify which information is incorrect" is shown in a smaller, grey font. A list of five items follows, each with a checkbox: "Name On Card", "Date of Birth", "Email", "Health Card No.", and "Version". The "Health Card No." checkbox is checked with a blue checkmark. At the bottom of the dialog, there are two buttons: a white "Cancel" button and a blue "Confirm" button. A small grey bar at the very bottom of the dialog contains the text "1983-03-14 (39)".



### 13.3 Assigning an MD to a Verified Patient

Once the Patient has had their demographics validated you can assign an MD to a Patient (with a “Verified” status) by following these steps:

1. Locate the Patient on the Patient list and click on their row.
2. On the “Patient Information” page, click the edit button  in the “Facility Information” section.
3. Choose an MD from the dropdown list.
4. Click “Save”.



Facility Information Cancel Save

---

Physician

To be assigned ▼

### 13.4 Removing a Patient

You can remove a Patient from the MVCP by following these steps:

1. Locate the Patient on the Patient list and click on their row.
2. On the “Patient Information” page, click the “Remove Patient” button.
3. A confirmation modal will appear. Confirm the removal by clicking “Yes”.
4. The Patient has now been removed and is labeled as “Archived” on the Patient list.
5. There will be a notification pushed onto the Patient’s phone notifying they are unregistered from the clinical program. As a precaution, please also contact and let the Patient know that any symptom logs moving forwards will not be reviewed by your clinic.

The MVCP will no longer receive new data from this Patient. However, their existing record will be stored for 10 years as per Ontario’s Public Hospitals Act.

## 14 Managing Clinic Staff access to the MVCP

If you are an Admin, you have the permission to manage the access of Clinic Staff to the MVCP including adding and removing members, as well as editing their information. Click “Organization” on the sidebar to see the list of Clinic Staff who have access to the MVCP.

**Organization**  
Add and manage members in your organization. + Add Member

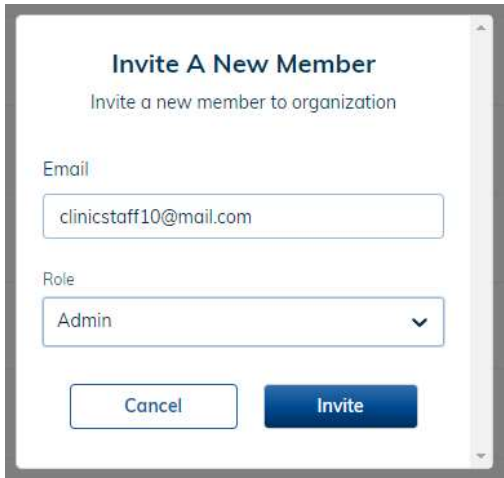
Search  All Members ▼ Page 1 of 4 > >|

MEMBER NAME	EMAIL	ROLE	DATE ADDED	
(invited)	clinicstaff10@mail.com	Admin		⋮
(invited)	clinicstaf9@mail.com	MD		⋮
Clinic Staff 8	clinicstaf8@mail.com	Desk Admin	2022-09-26	⋮
Clinic Staff 7	clinicstaf7@mail.com	Desk Admin	2022-09-09	⋮
Clinic Staff 6	clinicstaf6@mail.com	Admin	2022-09-09	⋮

## 14.1 Inviting and adding Clinic Staff

You can add Clinic Staff to the MVCP by following these steps:

1. Click the “Add Member” button.
2. In the “Invite A New Member” modal, enter the Clinic Staff’s email address and select their role. Click the “Invite” button.
3. A confirmation modal will appear. Complete the invitation process by clicking “Confirm”.




The screenshot shows a modal window titled "Invite A New Member" with the subtitle "Invite a new member to organization". It contains an "Email" input field with the text "clinicstaff10@mail.com", a "Role" dropdown menu currently set to "Admin", and two buttons at the bottom: "Cancel" and "Invite".


The new Clinic Staff will appear on the list as “(invited)”. They will receive an invitation email with directions to create an MVCP account. Once they have completed that process, they will be officially added to the MVCP.

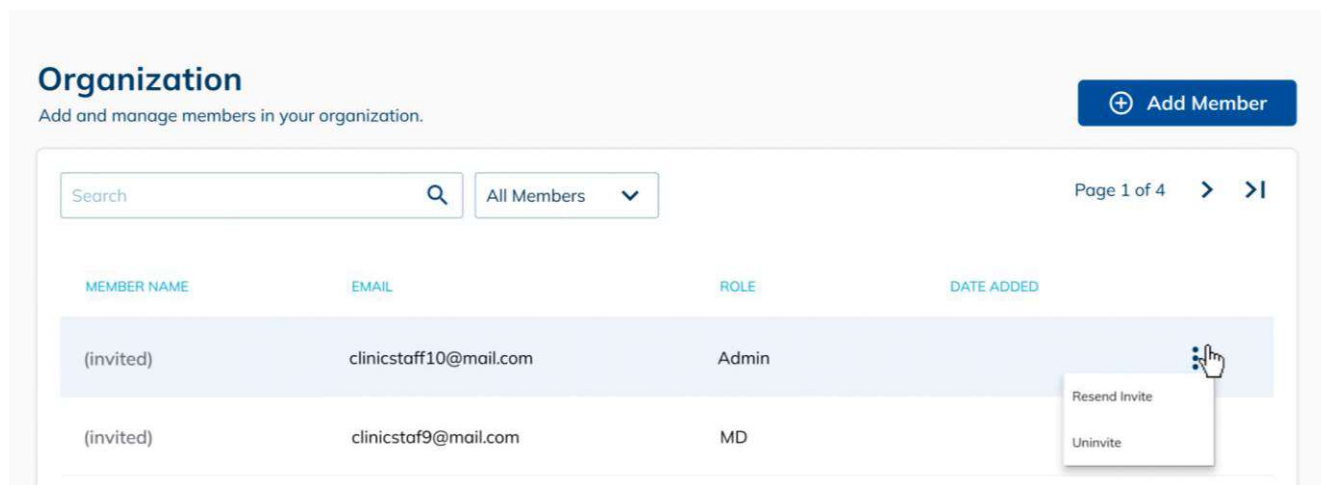
## 14.2 Resending or revoking an invite

If you want to resend an invitation to a Clinic Staff, you can follow these steps:

1. Look for the clinical member on the member list. Click  on the far right of their row.
2. Click on “Resend Invite”.


If you want to revoke an invitation that has been sent out, but not yet accepted by the Clinic Staff, you can follow the following steps:

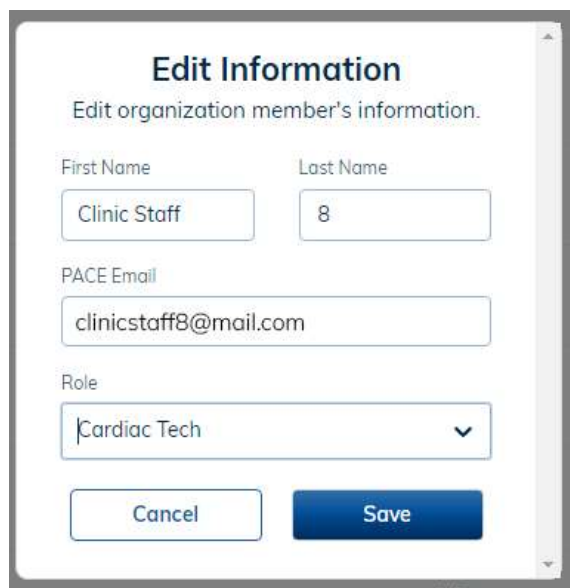
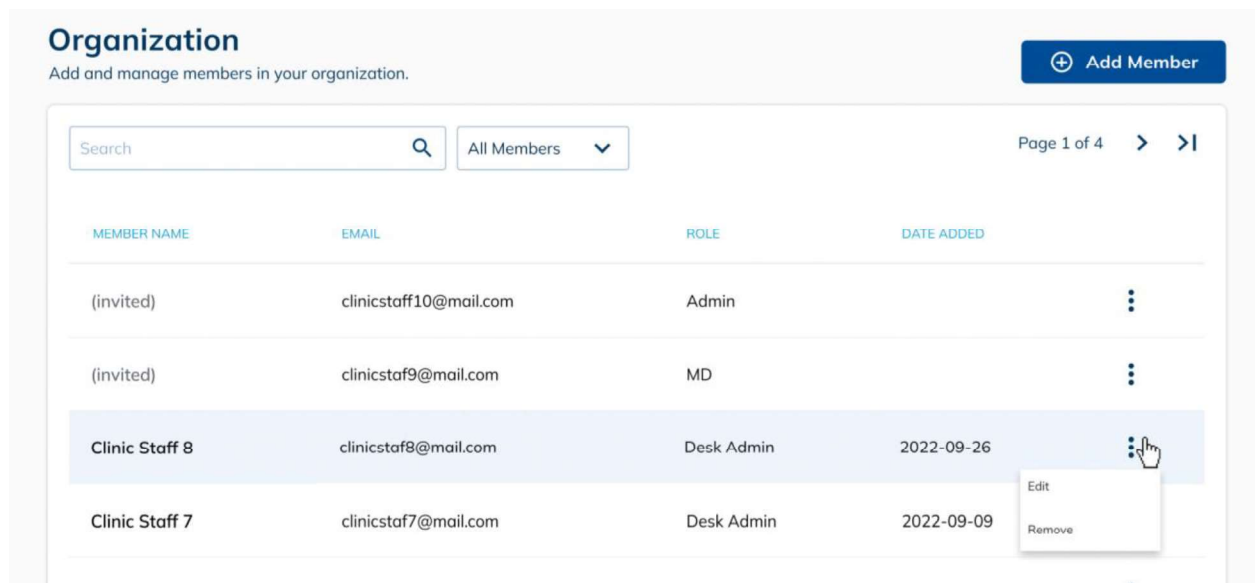
1. Look for the Clinic Staff’s email on the Organization list. Click  on the far right of their row.
2. Click “Uninvite”.




### 14.3 Editing or removing access of Clinic Staff

You can edit the information of an added Clinic Staff by following these steps:

1. Look for the Clinic Staff on the Organization list. Click  on the far right of their row.
2. Click “Edit” from the dropdown.
3. In the “Edit Information” modal that appears, make any necessary changes and click “Save”.



You can remove a Clinic Staff by following these steps:

1. Look for the Clinic Staff on the Organization list. Click  on the far right of their row.
2. Click “Remove” from the dropdown.
3. A confirmation modal will appear. Complete the removal process by clicking “Remove”.

Note: If the Clinic Staff was an MD, reassign Patients under their care to another MD.

## **15 Logging out of the MVCP**

You may safely log out of the MVCP by clicking on “Logout” on the sidebar.

## **16 Getting help**

For Technical Support or to request a physical copy of the MVCP User Manual, contact us at:

Telephone: +1 (844) 501-0252

Email: [support@myant.ca](mailto:support@myant.ca)