USER MANUAL

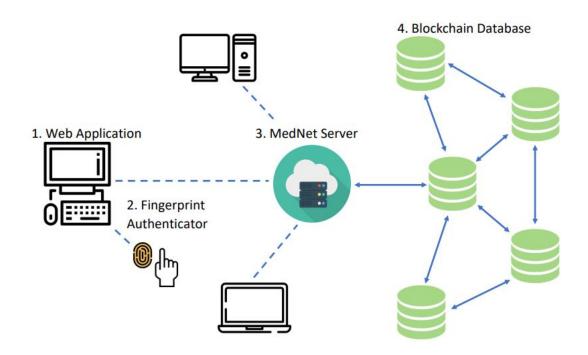


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About MedNet

MedNet is an Electronic Medical Record (EMR) system, where users can access their medical records from any internet-enabled device such as computers, laptops, and smartphones. It features an encrypted database, where patients own their medical information and can choose to share.



LIFE BLOCKS

Table of contents

About MedNet	1
Table of contents Glossary	2
First-time user	5
Doctor	5
Lab Technician	6
Pharmacist	7
Patient User	8
How to edit access permissions	9
How to grant access to health practitioners	11
Features available to users	13
Doctors	13
Lab Technologist (MLT)	14
Pharmacist	14
Troubleshooting	15



Glossary

AES Advanced Encryption Standard.

AWS Amazon Web Services.

BigchainDB A blockchain database.

Blockchain A database storage solution that is shared across a network of computers.

Blocks A collection of verified transactions that contains a unique code called a hash.

It also contains the hash of the previous block in the chain.

CAGR Compound Annual Growth Rate.

COVID-19 Coronavirus Disease.

CST Clinical and Systems Transformation.

Decentralize To transfer the processes owned by one organization to many smaller ones.

EC2 Electronic Cloud Computing.

EMR Electronic Medical Record.

Hash An output of a one-way hash function to create unique bit strings.

HIS Health Information System.

Keyword A word that is used as an identification pass phrase. Eg. Mother's maiden

name, city of birth, etc.

Node A Computer that is part of the blockchain network.

PHN Pe Personal Health Number.SWOT Strength, Weakness, Opportunity, Threat.

Transaction The basic digital data storage unit i.e. a record or entry.

TTL Transistor-Transistor Logic.

TX Transmit: GPIO data line for sending data to another device.

UI User Interface.

URL Universal Resource Locator.

USB Universal Serial Bus.



Setup requirements

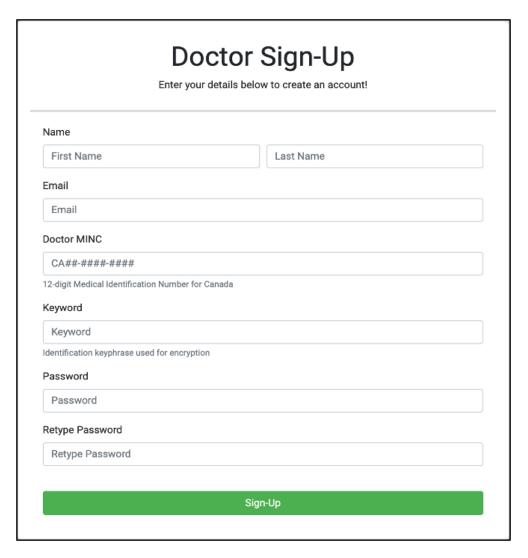
- Before each time using the application, the following requirements must be met in order for the device to work as designed
- Ensure fingerprint scanner is plugged in to the USB port of the computer
- Ensure the Computer is running Windows OS
- Ensure the computer is connected to the internet Google Chrome web browser



First-time user

Doctor

To sign up as a doctor you would need to enter your Medical Identification Number for Canada (MINC), a 12-character Medical Number for Canada starting with CA followed by 10 digits.

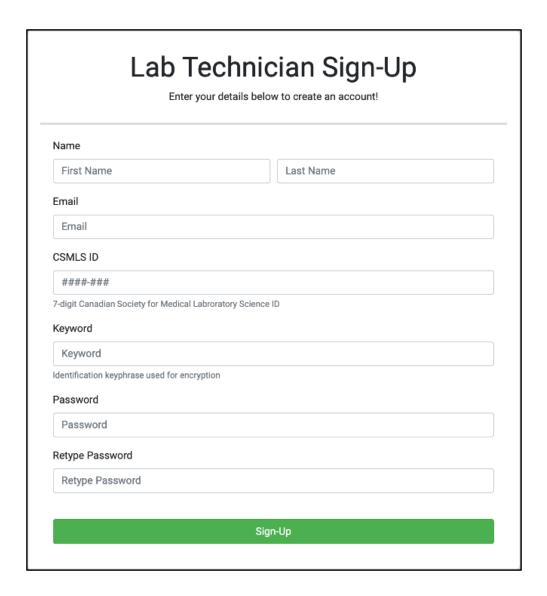


- 1. Enter your name, and email, followed by your MINC.
- 2. Choose a keyword and password. This information will be required every time you sign in.



Lab Technician

To sign up as a Lab Technician you would need a CSMLS ID, a 7-digit Canadian Society for Medical Laboratory Science ID.

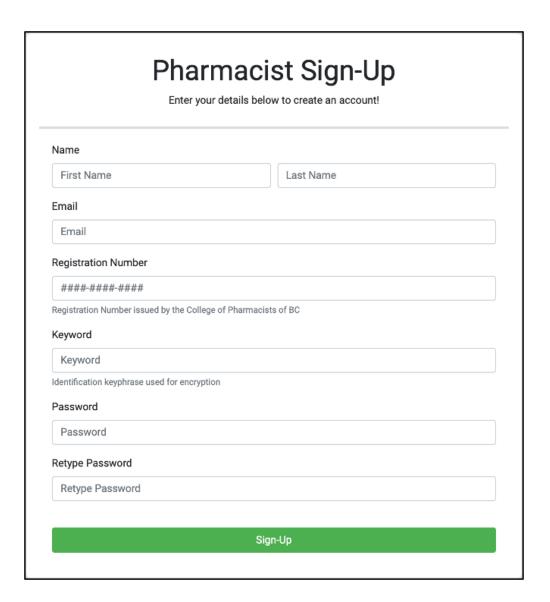


- 1. Enter your name and email, followed by your CSMLS ID.
- 2. Choose a keyword and password. This information will be required every time you sign in.



Pharmacist

To sign up as a Pharmacist you would need a Registration number issued by the College of Pharmacists of BC.

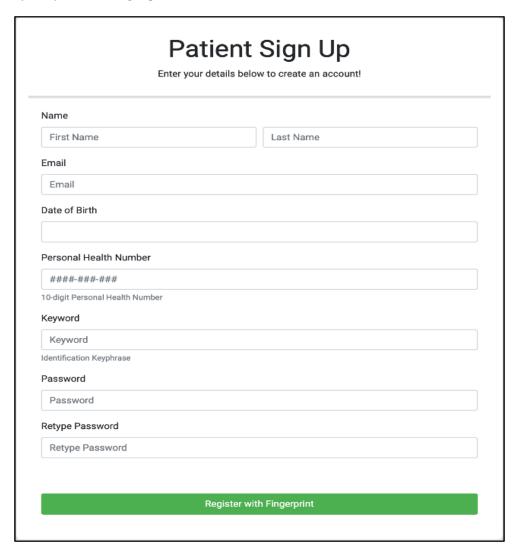


- 1. Enter your name and email, followed by your Registration Number issued by the College of Pharmacists of BC.
- 2. Choose a keyword and password. This information will be required every time you sign up.



Patient User

To sign up as a patient you need to visit a doctor, provide your Personal Health Number (PHN), and a fingerprint scan.



- 1. Enter your profile information.
- 2. After filling in the sign-up form, the doctor will ask the patient to register their biometrics by taking a fingerprint scan.
- 3. The patient needs to take five fingerprint scans to complete the registration process.

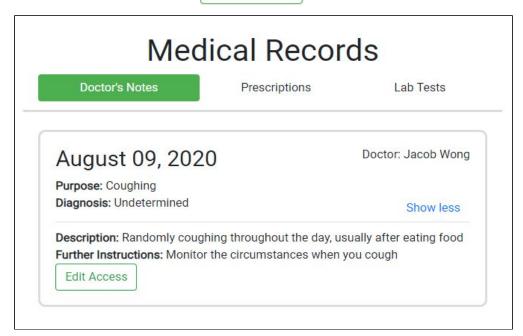


How to: Edit access permissions

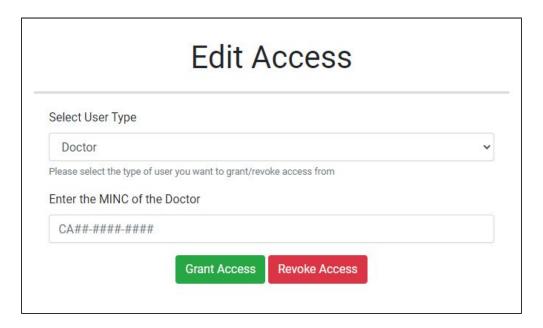
A patient is allowed to edit access permissions on their existing medical records and have the flexibility to grant and revoke access to health practitioners.

1. In a patient's view, click

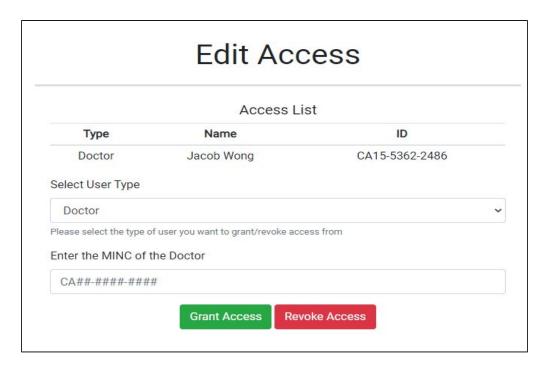




2. Then by choosing "User type" and entering their Unique ID you can grant or revoke access.







How to: Request access

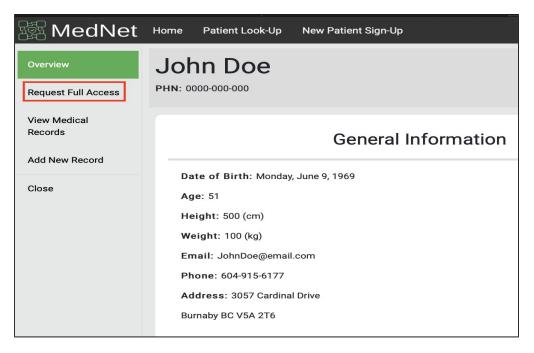
For a health practitioner to request access to a patient's medical records,

1. Search for the patient's portfolio using the *Patient Look-Up* function on their homepage.

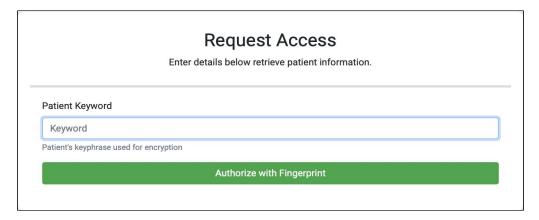


2. After the patient's profile loads, click "Request Full Access" on the left side-menu bar.





3. Next, enter the patient's keyword, and click "Authorize with Fingerprint" to begin the verification process.



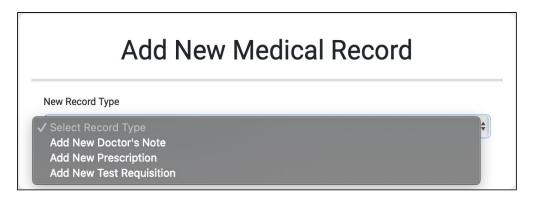
- 4. Ask the patient to scan their fingerprint on the authenticator.
- 5. After a successful verification, the doctor will have full access to the patient's medical records, and can add/view doctor's notes, prescription requisitions, and lab test requisitions.

User-specific features

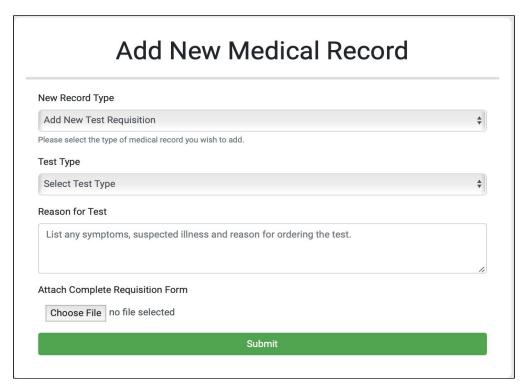
Doctors

Doctors have the authority to add notes, prescriptions and add lab test requisitions to a patient profile once a patient provides the doctor with full





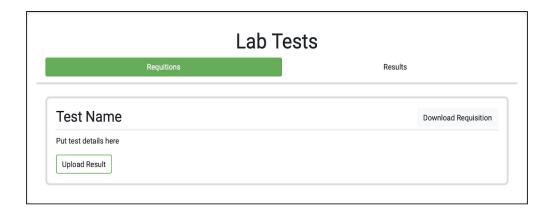
access. Adding a test requisition feature also allows a doctor to upload a form to be viewed by an MLT.



Lab Technologist (MLT)

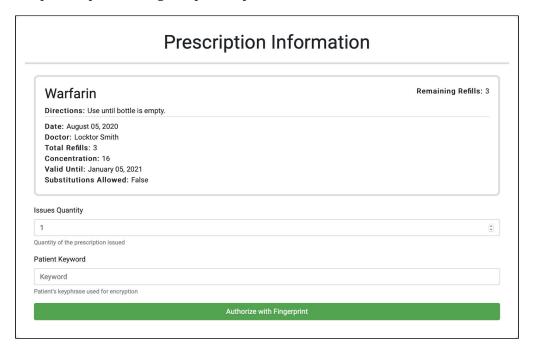
Lab technicians have the authority to view patients' profiles, notes and prescriptions. They can download test requisition forms uploaded by the doctors and can upload corresponding test result files.





Pharmacist

Pharmacists have the authority to view a patient's profile and check if they have any allergies. They can view any medication prescribed by a doctor and fill the respective prescription using the prescription form.





Troubleshooting

Issue Fingerprint scanner is not responding

Solution Unplug and replug the fingerprint scanner and ensure the

connection is secure to the computer. A green light should blink

when a user clicks "Authorize with fingerprint".

Issue No sensor data collected

Solution Make sure the sensor is contacted firmly with bare skin. Clean finger

and/or adjust the position of the sensor if necessary.

Issue Website not responding

Solution Try re-opening in a new window of Google chrome,