



Information Sharing Between  
Patients and Physicians

# MEDIBLOCK

Team Goal Diggers



# PROBLEM STATEMENT

- no accessible and universal platform for information sharing between physicians and patients
- a lack of transparency and secure access to personal medical records such as laboratory results from imaging exams.
- receiving results of medical exams is highly inefficient and incurs additional transportation and time costs.
- patients tend to have incomplete records when they visit a new or different doctor

# MEDIBLOCK

Amazon Managed Blockchain  
and Amazon Textract

Secure and efficient  
Cross-platform application  
End-to-end solution  
Storing, accessing, and sharing EHRs





# DEMO

MediBlock | 2020





JANE  
DOE

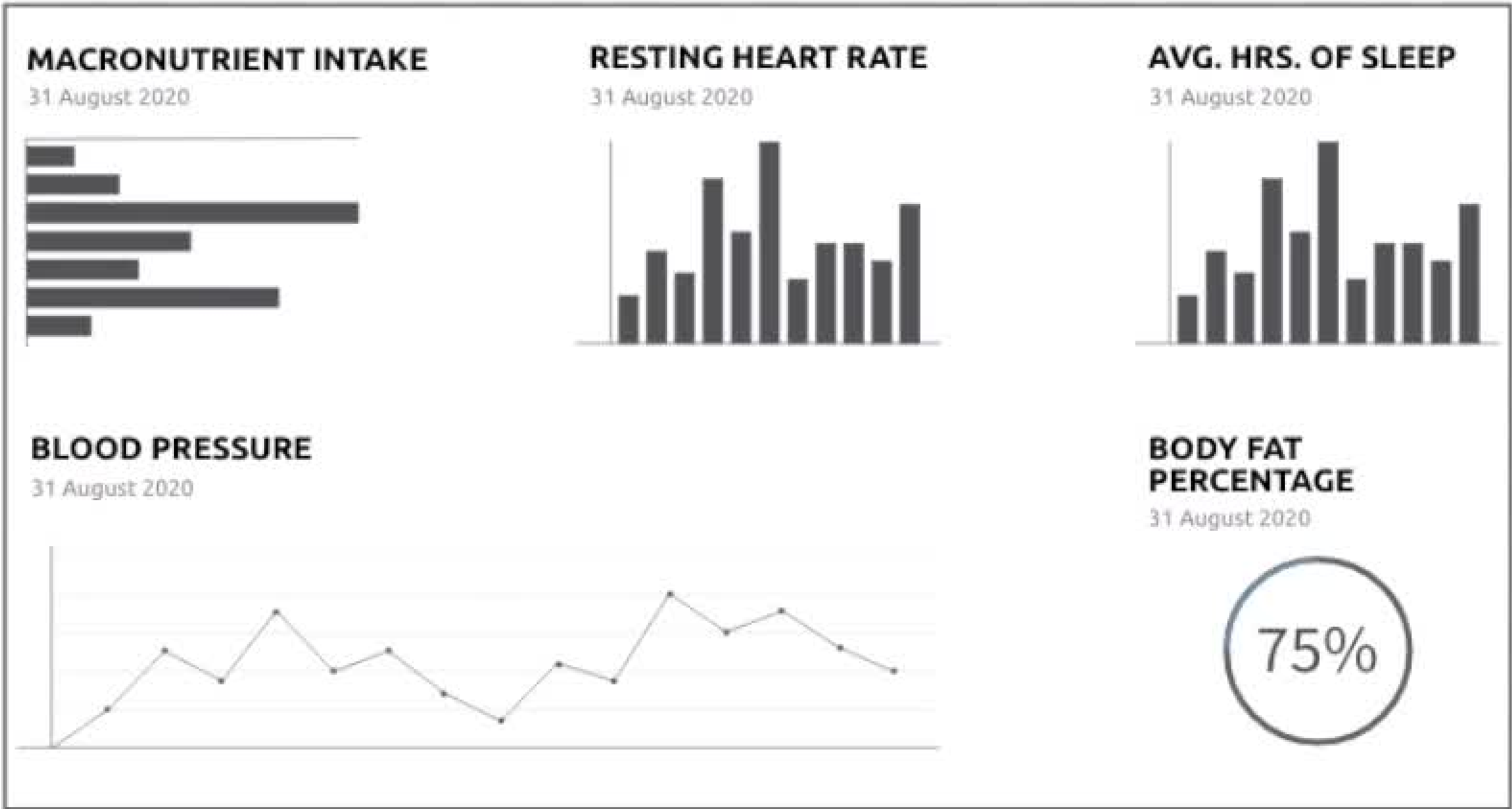
janedoe@patient.ph

(012) 695 4783

Quezon City

+63 922 8293015

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- Alert Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor ut.









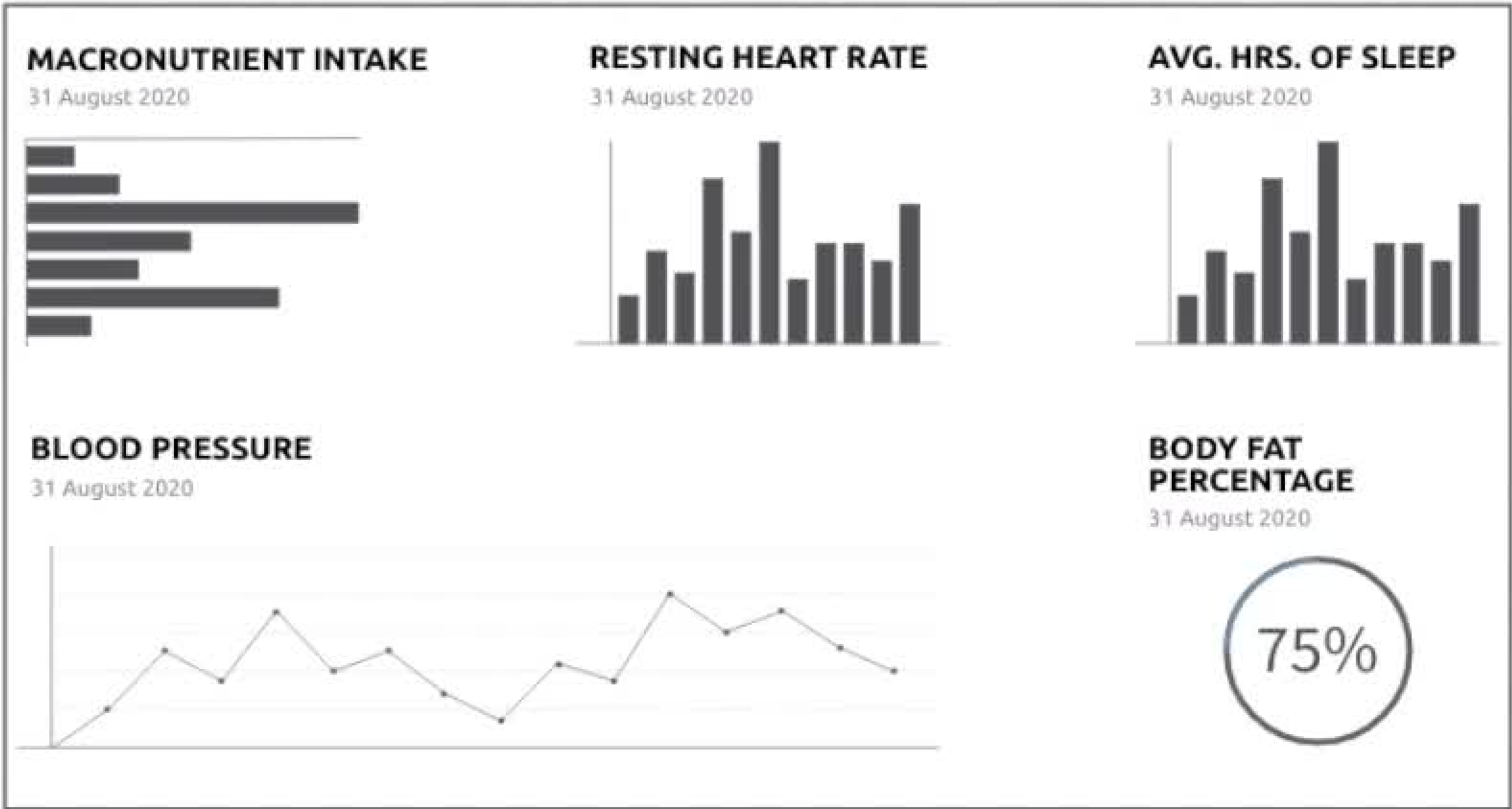


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# Explore

## Doctors Near Me

Doctor	Specialty	Details	Status
<div><div><b>Dr. Emily Williams</b> The Medical City Ortigas</div></div>	Gastroenterology	<div><div> (012) 695 4783</div><div> emmawilliams@doctor.ph</div><div> Thursday 12:00 PM - 3:00 PM Saturday 12:00 PM - 3:00 PM</div></div>	<div>Online</div> <div><div>View</div><div>Pending</div></div>
<div><div><b>Dr. Sherry Lee</b> St. Luke's Medical Center</div></div>	Cardiology	<div><div> (078) 281 2391</div><div> sherrylee@doctor.ph</div><div> Monday 1:00 PM - 4:00 PM Wednesday 2:00 PM - 5:00 PM</div></div>	<div>Offline</div> <div><div>View</div><div>Connect</div></div>
<div><div><b>Dr. Austin Lawson</b> Cardinal Santos Medical Center</div></div>	Internal Medicine	<div><div> (014) 923 4839</div><div> austinlawson@doctor.ph</div><div> Tuesday 12:00 PM - 2:00 PM Thursday 1:00 PM - 5:00 PM</div></div>	<div>Online</div> <div><div>View</div><div>Connect</div></div>



Jane Doe

Female, 29 years old

Description: Lorem Ipsum

Clinical Info

- **Height**  
174 cm
- **Width**  
70 kg
- **Blood Type**  
B+
- **Allergies**  
None
- **Recent Medications**  
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua

Contact Info

- **Email**  
janedoe@patient.ph
- **Phone**  
(012) 695 4783
- **Location**  
Quezon City
- **Emergency Contact**  
Emily Doe (Mother)

Full Physical Examination

Date: April 10, 2020

Doctor: Dr. John Smith

Hospital: Community Hospital

Additional Information

The blood tests we conducted reveals jaundice, which might be a symptom of gallstones. Please see our resident abdominal specialist, Dr. Emily Williams.

Asthma Check-Up

Date: May 16, 2019

Doctor: Dr. Emily. Williams

Hospital: Community Hospital

Additional Information

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**EMMA  
WILLIAMS**

**GENERAL SURGERY**

- emmawilliams@doctor.ph
- (012) 695 4783
- The Medical City Ortigas
- Thursday 12:00 PM - 3:00 PM  
Saturday 12:00 PM - 3:00 PM

Activity

You have successfully registered for an account.

Alert

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor ut.

**OUTBOUND REFERRALS**  
31 August 2020

**INBOUND REFERRALS**  
31 August 2020

**TOP SERVICES**  
31 August 2020

**NUMBER OF PATIENTS**  
31 August 2020

**LOREM IPSUM**  
31 August 2020



# EMMA WILLIAMS

GENERAL SURGERY

- emmawilliams@doctor.ph
- (012) 695 4783
- The Medical City Ortigas
- Thursday 12:00 PM - 3:00 PM  
Saturday 12:00 PM - 3:00 PM

Consult Physician

Activity

You have successfully registered for an account.

Alert

Jane Doe is requesting for a consultation.

OUTBOUND REFERRALS

31 August 2020

INBOUND REFERRALS

31 August 2020

TOP SERVICES

31 August 2020

NUMBER OF PATIENTS

31 August 2020

LOREM IPSUM

31 August 2020

75%





JANE  
DOE

✉ janedoe@patient.ph  
☎ (012) 695 4783  
🏠 Quezon City  
📱 +63 922 8293015

Activity

You have successfully registered for an account.

▼


For the purposes of testing, access to this application has been granted.

Grant Access

▼

### MACRONUTRIENT INTAKE

31 August 2020



### RESTING HEART RATE

31 August 2020




### AVG. HRS. OF SLEEP

31 August 2020



### BLOOD PRESSURE

31 August 2020



### BODY FAT PERCENTAGE

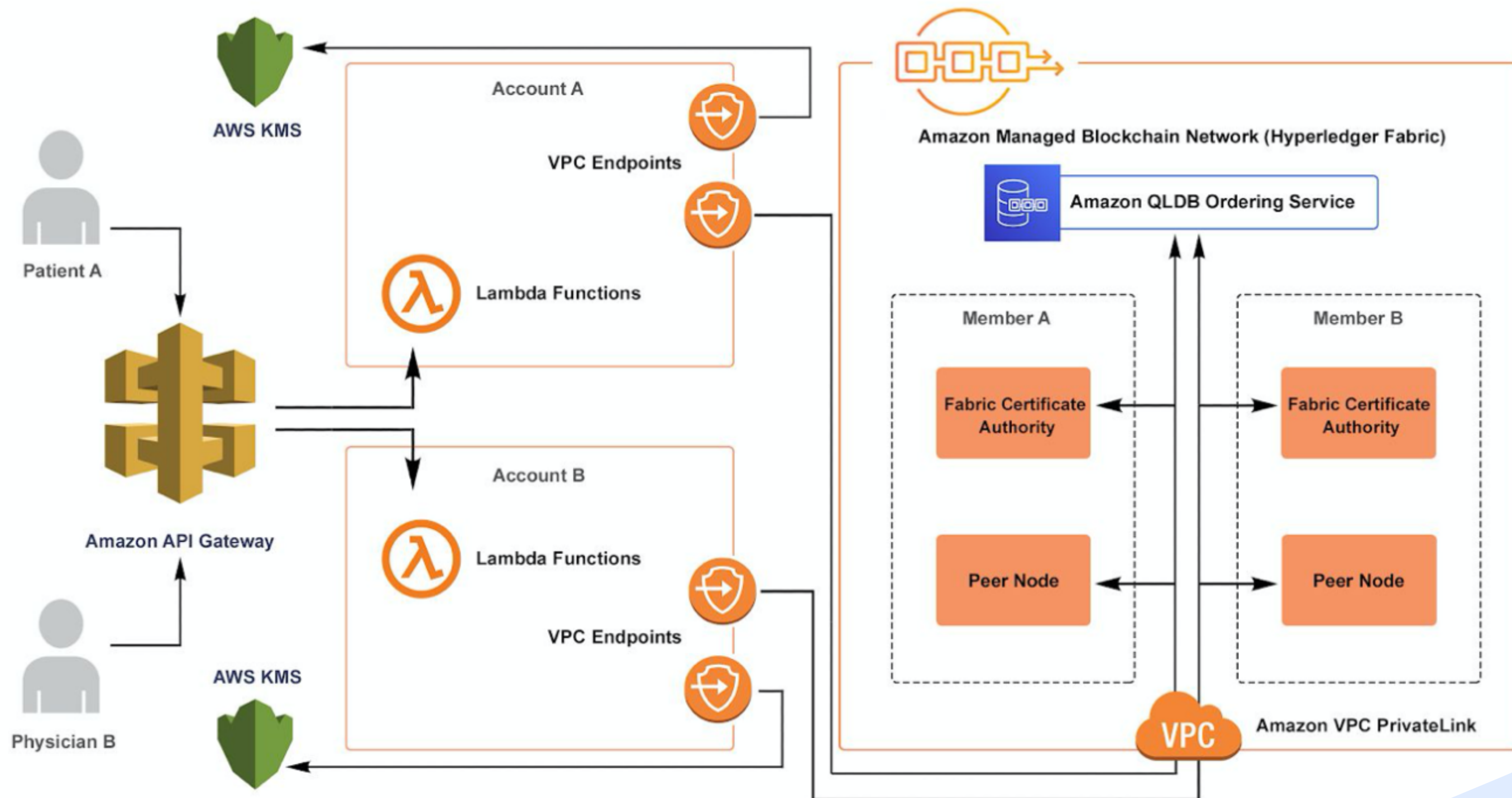
31 August 2020

75%

🏠  
📝  
📅  
👤  
📊  
📄

7

# ARCHITECTURE OF SOLUTION







Jane Doe

Female, 29 years old

Description: Lorem Ipsum

Clinical Info

- Height174 cm
- Width70 kg
- Blood TypeB+
- AllergiesNone
- Recent MedicationsLorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua

Contact Info

- Emailjanedoe@patient.ph
- Phone(012) 695 4783
- LocationQuezon City
- Emergency ContactEmily Doe (Mother)

Full Physical Examination

Date: April 22, 2019

Doctor: Dr. John Smith

Hospital: Community Hospital

Additional Information

The blood tests we conducted reveals jaundice, which might be a symptom of gallstones. Please see our resident abdominal specialist, Dr. Emily Williams.

Asthma Check-Up

Date: May 16, 2019

Doctor: Dr. Emily. Williams

Hospital: Community Hospital

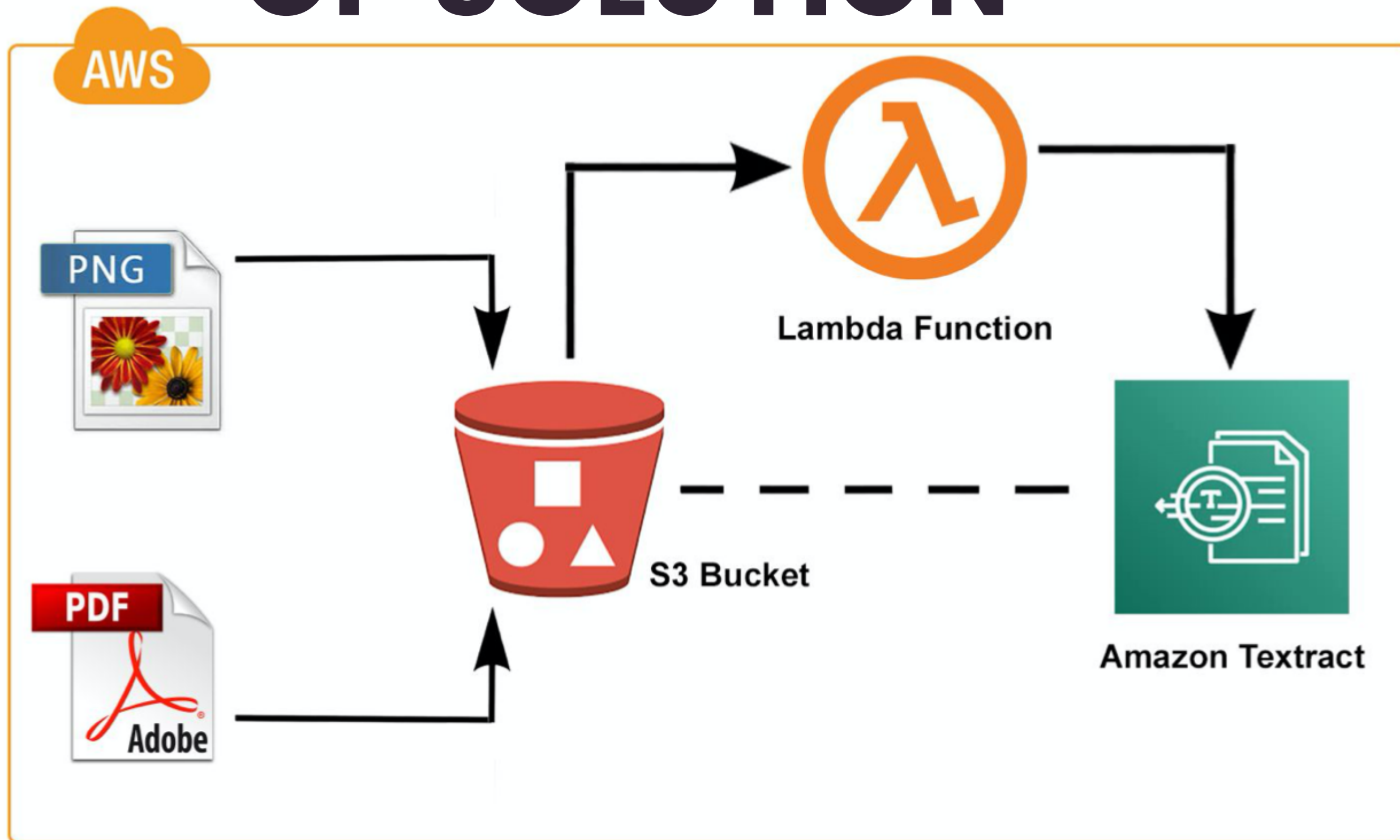
Additional Information

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+ New record



# ARCHITECTURE OF SOLUTION



©



**Jane Doe**  
Female, 29 years old

**Description:** Lorem Ipsum

Clinical Info

- **Height**  
174 cm
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70 kg
- **Blood Type**  
B+
- **Allergies**  
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Contact Info

- **Email**  
janedoe@patient.ph
- **Phone**  
(012) 695 4783
- **Location**  
Quezon City
- **Emergency Contact**  
Emily Doe (Mother)



Gallbladder Surgery Prescription

Date: April 20, 2020  
Doctor: Dr. Emily Williams  
Hospital: The Medical City Ortigas  
Additional Information:  
Amoxicillin 250mg tablets, T.T. Tablets p.o. t.i.d x7 days, Dispense #42, no refills  
[View CT Scan](#)



Full Physical Examination

Date: April 22, 2020  
Doctor: Dr. John Smith  
Hospital: Community Hospital  
Additional Information  
The blood tests we conducted reveals jaundice, which might be a symptom of gallstones. Please see our resident abdominal specialist, Dr. Emily Williams.



Asthma Check-Up

Date: May 16, 2019  
Doctor: Dr. Emily. Williams  
Hospital: Community Hospital

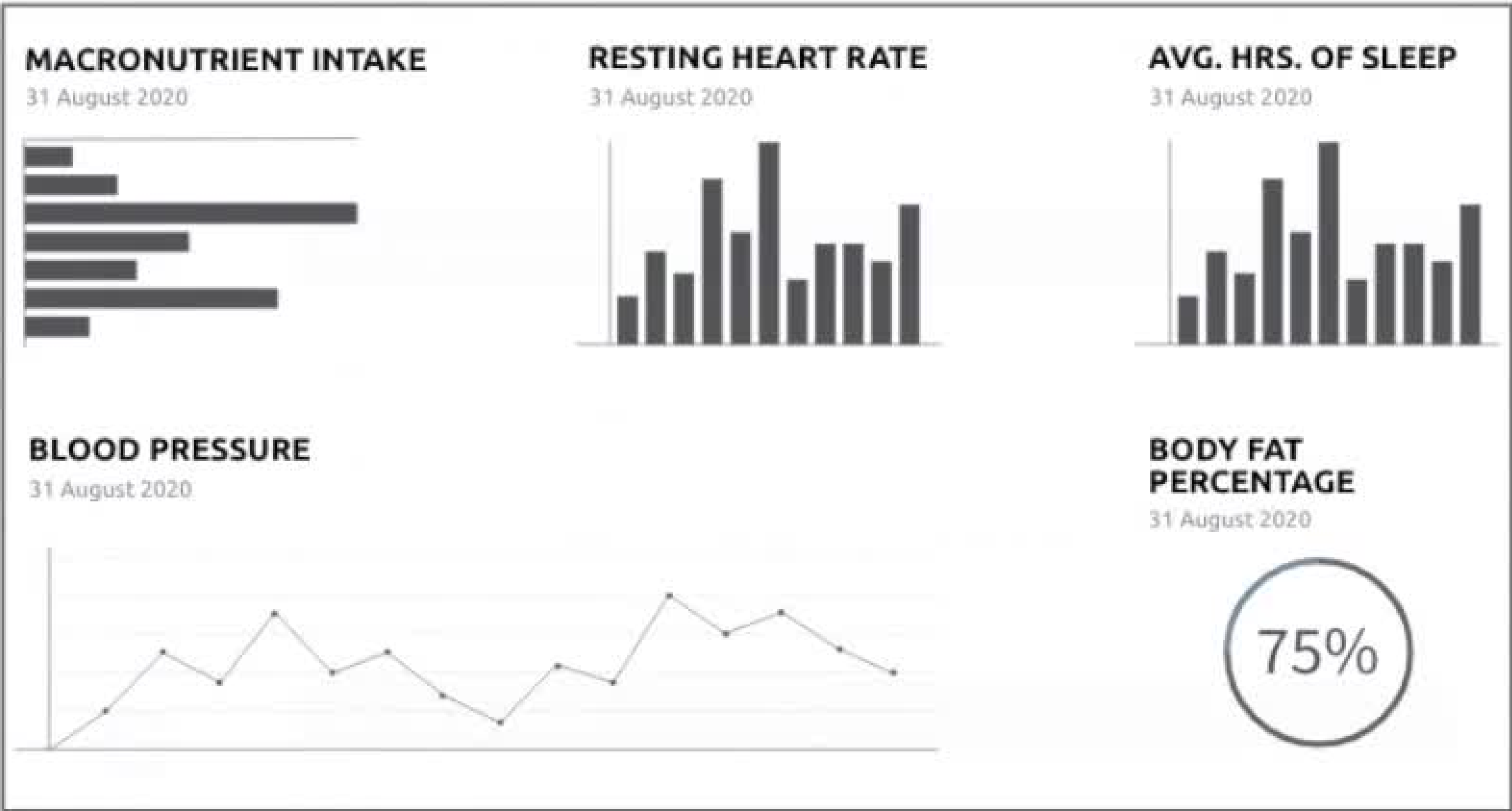




JANE  
DOE

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🔔 Activity	Your EHR has been updated by Dr. Emily Williams	▼
🔔 Alert	Dr. Williams is requesting access to Full Physical Examination with Dr. John Smith.	Access Granted. ▼





# Business Model



## ■ Revenue Streams

Fixed subscription fee charged to the hospital to use the system

## ■ Customer segment

Medical partners (i.e. hospitals, clinics, etc.)  
Patients

## ■ Key activities

Development Process  
Marketing Campaign

## ■ Key Partners

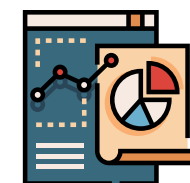
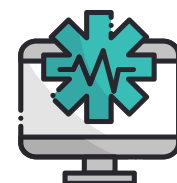
Hospitals and Medical Centers  
Department of Health  
Amazon





# FUTURE ROADMAP

Bigger role in Public Health



## Administration of prescriptions

ensuring correct medications are dispensed to patients

## Cornerstone for E-health

bridges the gap between healthcare system, insurance companies, and you.

## Context-aware connections

based on their location, medical condition, and the urgency of their health situation

## Data collection service

reporting disease outbreaks or epidemiological trends in real-time

# IMPACT OF SOLUTION



## Connect

Bridging the communication gap between patients and physicians,



## Access

Optimizing the current process of sending and receiving medical updates



## Protect

Minimizing the risk of contracting COVID-19 from return visits

# IMPACT OF SOLUTION



## Secure

Improved data security through encryption and the distributed ledger technology in blockchain.



## Reliable

Have access to their own medical records at any given time.



## UX-oriented

Blockchain grants patients secure access to prior medical records from previous physicians.





Keep In Mind:

"MediBlock provides the right care,  
right here"