



SUCCESS STORY

Informed Consents Blockchain Data Forms W/ Access Control For



Hospital Universitario
Clínica San Rafael
UN HOSPITAL DE LA FAMILIA STEWARD



DRAFT

HEALTHCARE INDUSTRY

ABOUT THE PARTNER



Hospital Universitario Clínica San Rafael

UN HOSPITAL DE LA FAMILIA STEWARD



Founded in

In the Old Farm of Santa Ana in Bogota, Colombia

It has

2.000

employees



Properly equipped with

467 BEDS



to ensure adequate care for the public across various hospitalization and emergency services

CURRENTLY, THE HOSPITAL SERVES APPROXIMATELY

23,000 PATIENTS EACH MONTH



TOTALING APPROXIMATELY

276,000 PATIENTS ANNUALLY

ACROSS VARIOUS SERVICES AND SPECIALTIES.

SOME OF ITS SERVICES AND SPECIALTIES



PEDIATRIC SPECIALTIES



OUTPATIENT SERVICES



THERAPEUTIC SUPPORT



SURGERY



DIAGNOSTIC AIDS



EMERGENCY SERVICES

Award for Outstanding Achievement
Reducing Environmental Footprint
in Energy and Sustainable
Procurement Implementation



STUDIES CONDUCTED ON ITS SERVICE AVERAGE

15.437 PER MONTH



Awarded the
"LESS FOOTPRINT, MORE HEALTH"
prize in 2020 by the Global Green and Healthy Hospitals Network.



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THE CHALLENGE

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Ensuring Patient Understanding and Shared Decision-Making in Medical Treatments



The client was aware that hospitals and medical centers should streamline the process of signing informed consent to protect patients' rights. This document indicates the patient's approval of a specific medical treatment and their understanding of its risks and benefits, helping to prevent potential issues such as:



Legal and ethical issues

This may occur if the patient is not adequately informed about the treatment and its associated risks.



Incomplete processes

Patient refusal can often occur when unexpected complications arise during a medical treatment.



Repudiation

The possibility that signatures may be missing from either the patient or medical staff.



Availability

Finding legal documents related to a medical case years later can be a tedious task.



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THE SOLUTION

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Transformative Solutions: Driven By Our Core Products



Our platform for signing informed consents improves healthcare efficiency and quality. It simplifies and speeds up the process for patients and medical staff.



Mango Forms

An innovative blockchain-based document management software that can be tailored to the unique requirements of any healthcare organization.

In this case, Mango Forms served as the central tool for signing informed consents by multiple parties, including the patient, a family member, doctors, and medical staff.



Titan

PNM (Patient Notification Manager)

Titan orchestrates communication through email, text, and WhatsApp, enhancing customer engagement and accessibility.

In this case, Titan sends notifications and messages through the selected channel so everyone involved in the medical procedure knows what to do and when to do it, and can easily sign and complete the required forms.



Adam

DEI (Digital Enterprise Imaging)

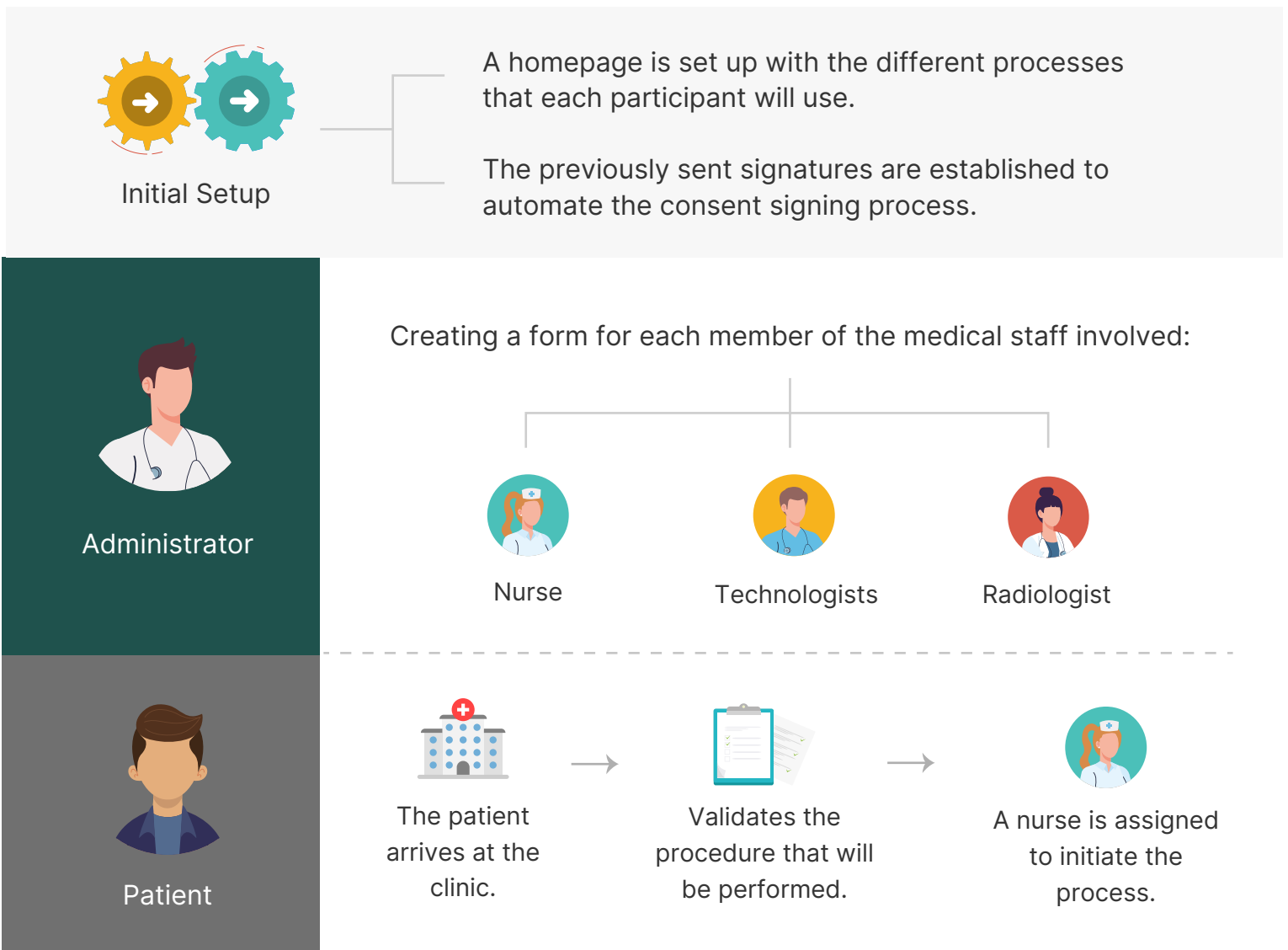
A revolutionary cloud-based platform that is more than just storage. It organizes, visualizes, searches, and shares medical images and files more securely and faster than ever before.

THE SOLUTION

Check Out The Infographic That Explains The Informed Consent Process

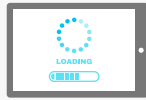
The implementation of a platform that facilitates the signing of informed consents for different medical procedures and treatments is an initiative that seeks to improve the efficiency and quality of healthcare. The platform in question was conceived as a technological solution that could help patients and medical staff sign consents more easily and quickly.

A workflow was implemented for the process of signing informed consents, in which the nurse had to select the type of consent that corresponded to the patient's procedure, who has to read the risks and benefits before proceeding with the signature. After this, the patient had the option to proceed with the treatment or reject it, according to their decision.





Nurse



Accesses the platform



Selects the procedure



Fills in the data



The patient considers the options.



Shares the associated risks



Validates the information



Patient



Reading the consent form



Approval



Patient's signature



The process continues



Denial



Patient's signature



Digital notarization



It is stored in the cloud



The case is closed



Technologists



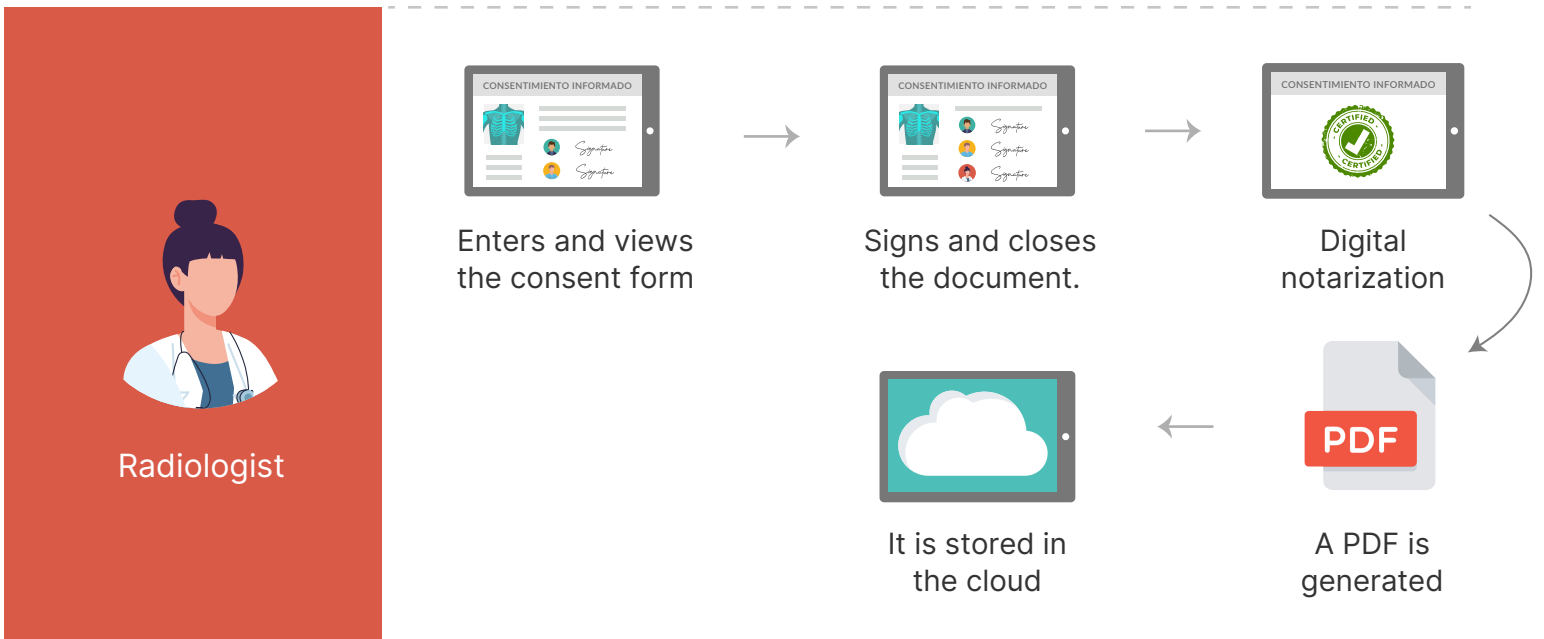
Takes the consent form



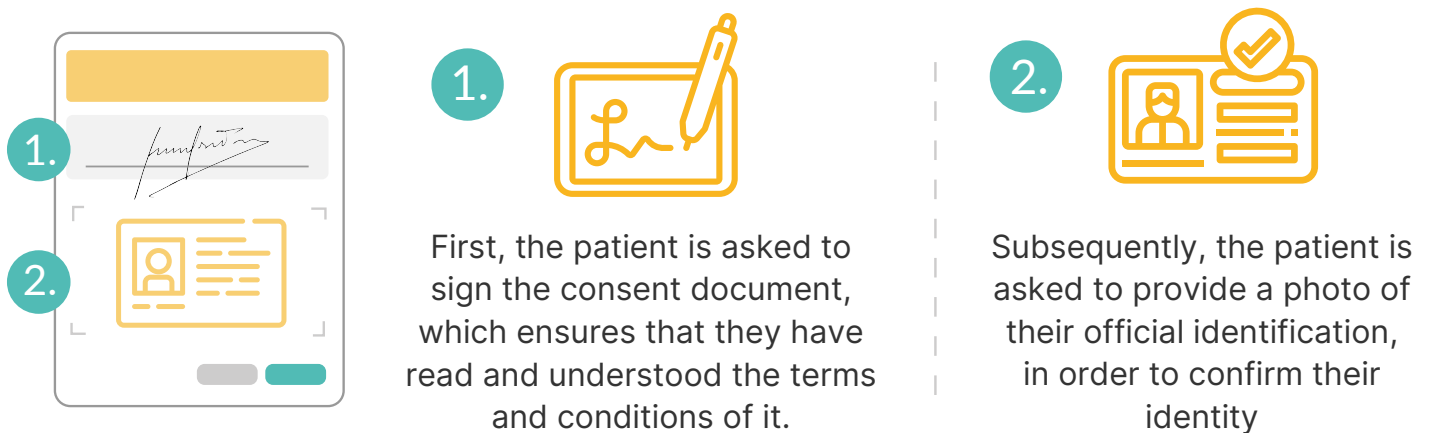
Validates the information



Signs



With the aim of ensuring the accuracy and validity of documents, several steps have been implemented for the process of signing informed consents, regardless of the patient's decision.



Approval process:

Once the patient has approved the procedure by signing the consent and presenting an official identification, the signatures of the medical staff involved are collected. However, at times there has been a lack of participation from the medical staff, which has caused problems during audits.



To address this issue, a digital signature system was implemented that allows doctors to verify their identity and provide their signature remotely.

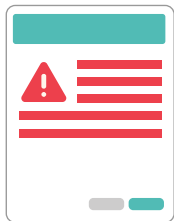


The digital signatures are stored in the cloud, which allows for quick and easy access to the documents for future reference and audits.



Doctors can identify themselves online using a digital credential, which provides an additional level of security to ensure the validity and authenticity of the signatures.

Denial process:



When a patient decides not to give their consent for a medical procedure, they are accepting the risks associated with not performing it, which could lead to possible medical malpractice claims against the hospital. For this reason, it is necessary for the patient or their authorized representative to sign the corresponding denial form, accepting the consequences of not receiving medical treatment.

The implementation of a platform for the signing of informed consents can have a significant impact on healthcare, as it can improve accessibility, efficiency, and safety in the document management process and ultimately, on the quality of medical care provided to patients.



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THE RESULTS

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Revolutionizing Informed Consent: Solving Staff Participation with Digital Signatures

By using a digital signature system, the significant problem of lack of participation by medical staff has been completely resolved, which has improved efficiency in managing informed consents.



Legal compliance

We helped ensure that consents are signed and archived in accordance with legal and regulatory requirements.



Greater efficiency

By using a digital platform, the processes of informed consent signature were automated, saving time and reducing errors.



Greater accessibility

We enabled patients and medical staff to sign consents remotely, offering convenience for those unable to travel or signing.



Cost savings

By reducing the need to print and store paper documents, we lowered costs associated with document management.



Safety first

Blockchain tec enhanced security by storing docs in a decentralized way, preventing changes or deletions.

THE RESULTS

Our Numbers Don't Lie

On average

75

PATIENTS PER DAY

use informed consents,
for a total of

2.250

CONSENTS PER
MONTH

WITH OUR INFORMED CONSENT SOLUTION, WE ACHIEVE
SAVINGS OF UP TO

10 MINUTES

 IN EACH
PROCESS

FOR A TOTAL OF

750

PER DAY

22,500

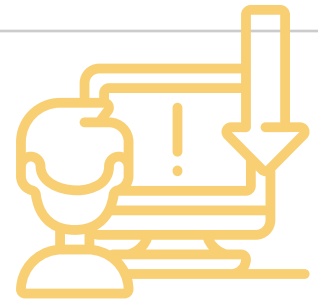
PER MONTH

WE HAVE REDUCED THE HUMAN ERROR RATE FROM:

35%

TO

5%



On average

54.750 SHEETS

are spent on printing per
year.



Equivalent to

488 KG

OF CO² PER YEAR

14.311 USD

WAS THE ESTIMATED
TOTAL COST
REDUCTION

thanks to the time saved
with our solution.





“HUMAN TIME IS OUR PRIORITY”

PARTNERS IN DIGITAL TRANSFORMATION



Mango Soft

mango-soft.com