

OSP



5 mHEALTH CASE-STUDIES for BETTER HEALTH

O U T C O M E S

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INTRODUCTION

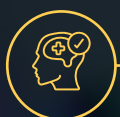
The use of mobile technologies to achieve health objectives (mHealth) has the potential to transform health service delivery across the US. A compelling combination of factors is driving this change. These factors include rapid progress in mobile technologies and apps, a rise in new opportunities for the integration of mhealth into existing health systems, and the continued growth in coverage of mobile networks.

By bringing quality care to the hardest-to-reach patients, mHealth is changing patient-provider relationships, developing patient knowledge and power, and dramatically promoting better health outcomes.

MENTAL HEALTH PRACTICE MANAGEMENT

A Texas-based mental health center wanted to automate the practice management process. Their paper-based practice management affected not only with the loss of revenue but also the quality of care delivered. The main challenge for OSP was to bring the digitization of the clinic's daily practice and revenue operations.

CHALLENGE



Quick mental health access



Long waiting hours for a single appointment



Paper-based practice



Secure online payments



Time-consuming manual appointment management

SOLUTION



Access to CAQH Profile Experts

The app provides an amazing Telepsych feature wherein the patients can get in touch with their providers from the comforts of their home via teleconferencing.



Appointment Scheduling

The app provides an automated appointment scheduling platform for the patients to schedule appointments with their respective providers.



SOAP Notes

With this feature, providers can store their notes on the patient in a digital platform that could be easily retrieved.



Secure Online Payments

Patients could easily make online payments, reducing the effort to send invoices manually.

RESULT



Enhanced service capacity



Better patient engagement



Fast and secure payments



Improved staff efficiency



Better health access in time



HIPAA compliance

REAL-TIME STREAMING FOR ULTRASOUND ANALYSIS

Our US-based client wanted to solve this challenge by using technology to provide quality health access to pregnant women. Building a solution that connects MFM experts to pregnant women in the remote local clinic through real-time video streaming was the need of the hour.

CHALLENGE



Predicting Pre-term Births



Real-time access to MFM experts



Predicting Abnormalities



Low Prediction Accuracy

SOLUTION



Encoder Device

Encoder device is configured by the local clinic with IP address, port no. App name, stream name, user name, and Password.



Secure Streaming with Wowza

The Wowza engine will generate a Hash value based on "Secure Token", application name and stream name, keeping the stream secure.



Uninterrupted real-time streaming

Real-time processing of high-volume ultrasound data steams without any interruption during an ongoing MFM expert appointment.



Quality Health access by the experts

Best quality of health access by the patients in remote areas with better health insights by the MFM experts.

RESULT



Quality health access in real-time



Uninterrupted connectivity between provider & patient



Simplified risk probability



Highly secure, HIPAA-compliant streaming



No. of Follow-ups increased



Robust decision support in real-time

TELEHEALTH WITH CHATBOT

A client was looking to develop a TeleMedicine application where the patient and the provider can have an online consultation to schedule appointments that are either Text-based or video conferencing.

CHALLENGE



Quick and timely health access



Time-consuming manual appointment management



Secure digital Payments



No digital appointments

SOLUTION



Simplified Patient Registration

Easy-to-use patient registration module to create EHR by storing relevant patient health data securely.



Video/Text Appointments

Hassle-free interface for patients to register text consultation or video conferencing appointments with doctors using the mobile app.



Chatting with Experts

Connecting with expert and experienced providers through a secure mobile chat solution to get better health insights.



Teleconferencing

Connecting with expert health providers from the comforts of your home through mobile app streaming.



Secure Online Payments

Patients could easily make online payments, reducing the effort to send invoices manually.

RESULT



Quality health access in real-time



Uninterrupted connectivity between provider & patient



User-friendly scheduling solution



Highly secure, HIPAA-compliant streaming

DOCTOR ON DEMAND APP

A health client wanted to build a custom-made scheduling and staffing solution that gives home healthcare agencies and clinicians a secure, easy-to-use platform to connect and deliver timely patient care. They wanted to connect agencies and qualified clinicians to provide timely care.

CHALLENGE



Low Follow-ups



Manual appointment scheduling



Longer waiting period for health delivery



Tracking clinicians



Traditional payment methods

SOLUTION



Doctor on Demand

Schedule appointments with doctors in your vicinity with few mobile taps.



Automated Scheduling

Automatically appoint clinicians to respective patients based on their locations and requirements.



Employee Geo Tracking

Ability to track the location of clinicians in a particular area to simplify the fastest appointment scheduling process



Interactive Dashboard

User-friendly and visually appealing super admin dashboard to track the progress, no. of visits and clinician performance



Smart Performance Rating

Advanced and easy-to-understand doctor rating system where patients can evaluate doctors after the care delivery



Simplified Payment

Pre-defined payment system automated with digital payments technology through the app

RESULT



Increased follow-ups/day



Increase in revenue



Quick health delivery



Secure online payments

ADVANCED TELEHEALTH

A telehealth company in the US wanted to serve the senior population with user-friendly care delivery through video conferencing. Their main challenge was the lower quality of video streaming with continuous interruptions.

CHALLENGE



Quick and timely health access



Continuous interruptions in teleconferences



No digital appointments

SOLUTION



Video Appointments

Hassle-free interface for patients to register video conferencing appointments with doctors using the mobile app.



Teleconferencing

Connecting with expert health providers from the comforts of your home through mobile app streaming.



Zoom Integration

Integrated a third-party software called Zoom to facilitate the appointments in a secure environment



Security Authorization

Enhanced security with passcode authentication created uniquely for each patient for every new meeting.

RESULT



Increased follow-ups/day



Quick health delivery



Fully compliant system

CONCLUSION

US healthcare system is value-based and personalized. To match the increasing demands of the US healthcare industry, OSP is leveraging top-notch mobile app platforms, applications, and modern technologies. We are forging stronger connections between the mobile and healthcare industries to promote commercially sustainable health services.

In the coming years, mhealth industry will be the frontrunner in transforming the lives of people in need and promote the wellbeing of populations at a larger scale. With the ability to increase quality, reducing the cost, and extending the reach of healthcare to benefit millions, mhealth will prevail. With the team of experts working for iOS, Android, and hybrid mobile platforms, OSP is ready to solve today's healthcare challenges.



We are a leading software development company aiming to empower, and inspire the world with next-gen solutions. We help in simplifying every step of the development process, from system architecture design to quality delivery. Our intelligent processes enable quick deployment of enterprise-grade solutions against the toughest, and most complex challenges.

We are re-imagining how technology can empower Healthcare, AI, Analytics, and Financial organizations to build solutions for every day use in business applications.

With 10+ years of experience, and 200+ customers worldwide, we're leveraging technology to build the future today.

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