



emocha Health®

Support every patient
at every dose

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Snapshot

Standard of Care for

450 Health Departments

Validated by over

15 peer-reviewed studies

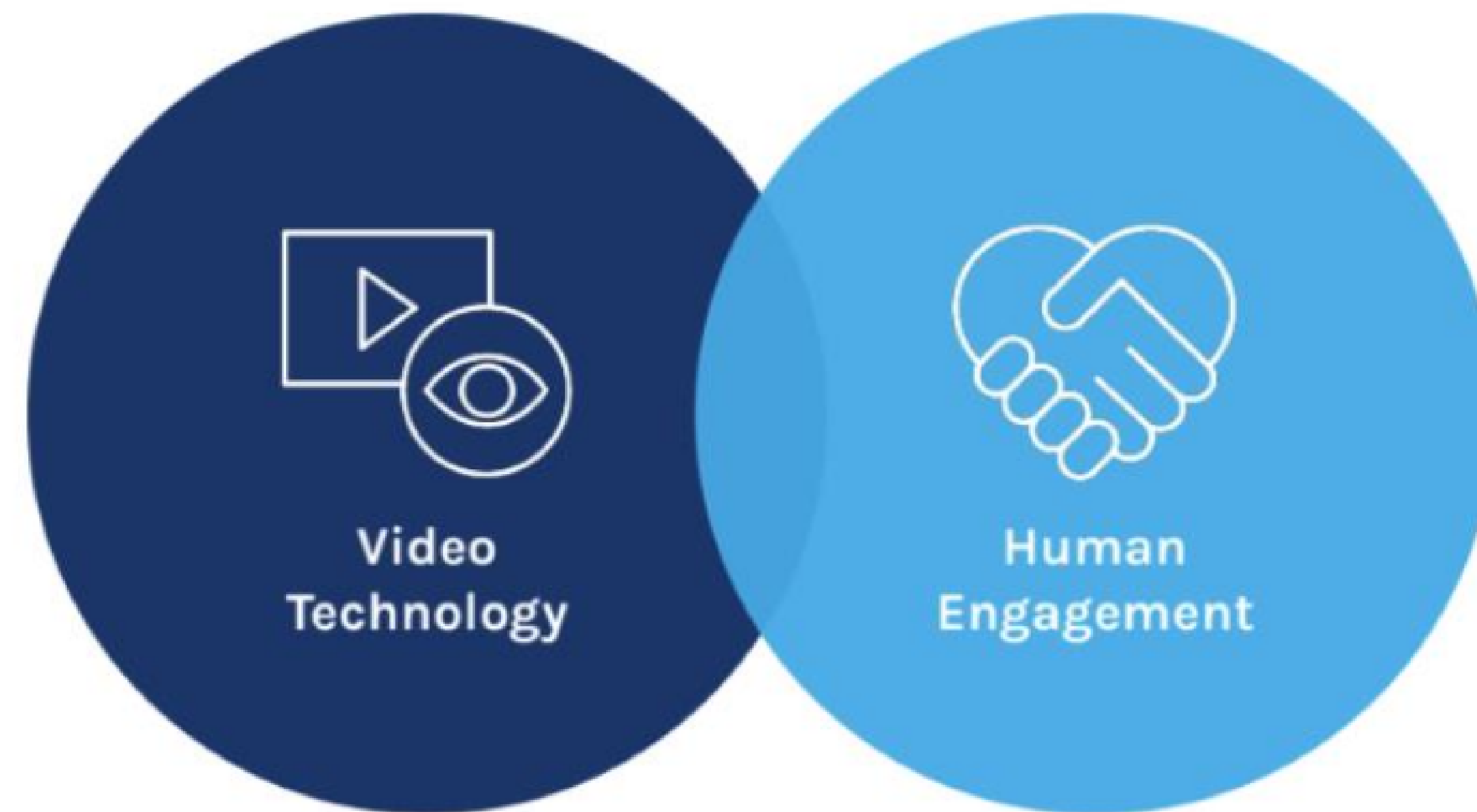
Baltimore-based

Johns Hopkins spin out

Nurses, pharmacists, public health technologists

50-person team

emocha is the first comprehensive
Digital Medication Adherence Program



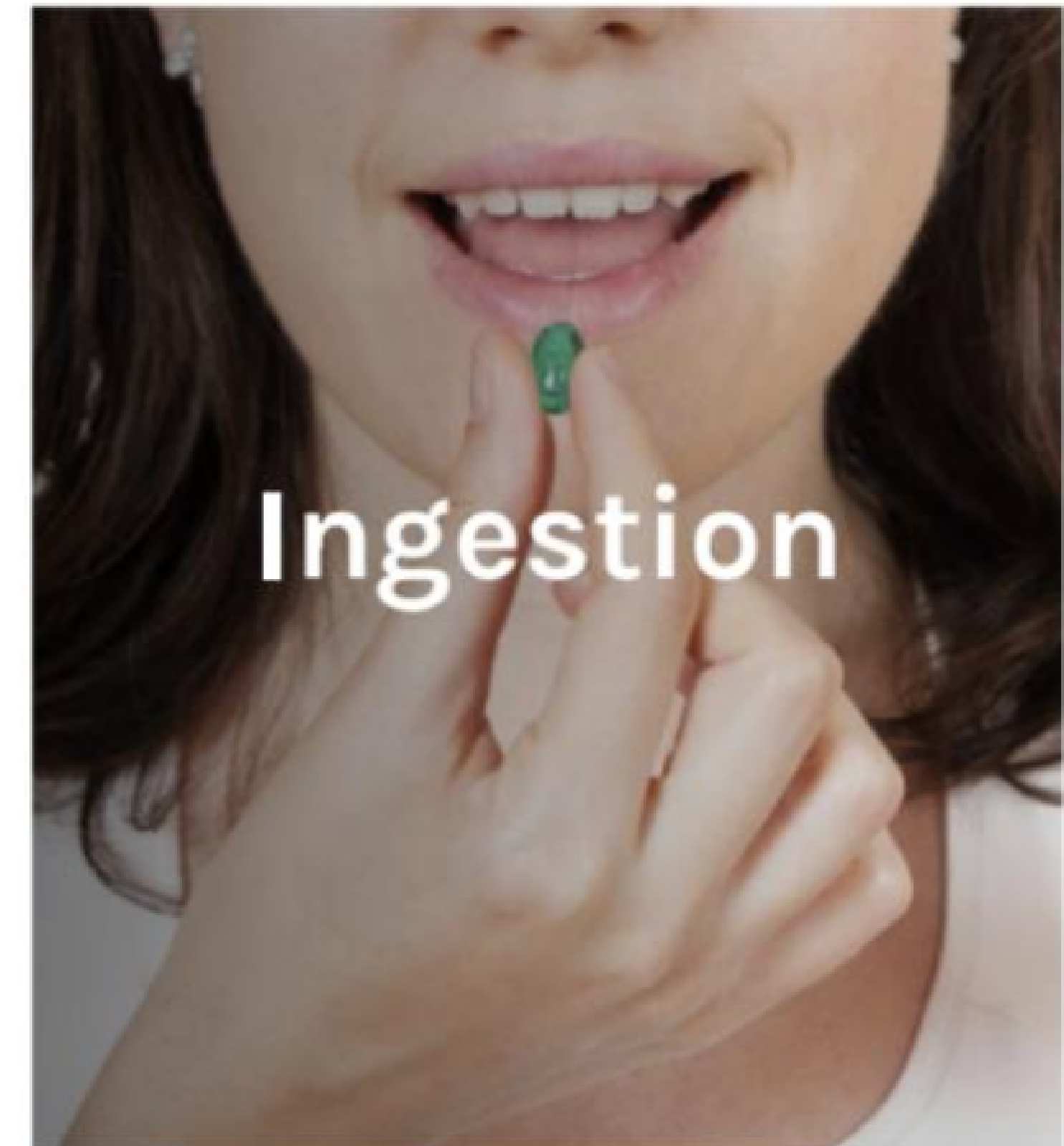
emocha's model leverages a CDC-endorsed, public health
practice to confirm dose-by-dose adherence

Defining Adherence


Possession does not equal ingestion



Medication Possession Ratio (MPR) is a standard but inadequate way to measure adherence.



emocha measures adherence by observing of every dose of medication ingested.

The background of the slide features a repeating pattern of stylized pill bottles. Each bottle is represented by a white outline on a dark blue background. The bottles are arranged in a grid-like fashion, with some appearing as faint, light-blue outlines and others as more prominent white outlines. The white outlines are concentrated on the right side of the slide, while the left side has more faint outlines.

A significant portion of transplant patients are non-adherent to their anti-rejection medications

Non-adherence ranges from 20% to 70% across kidney,
heart, and liver

40%¹

Of rejections are linked
to medication
nonadherence

2/3²

$\frac{2}{3}$ of nonadherent
patients will
experience graft
failure

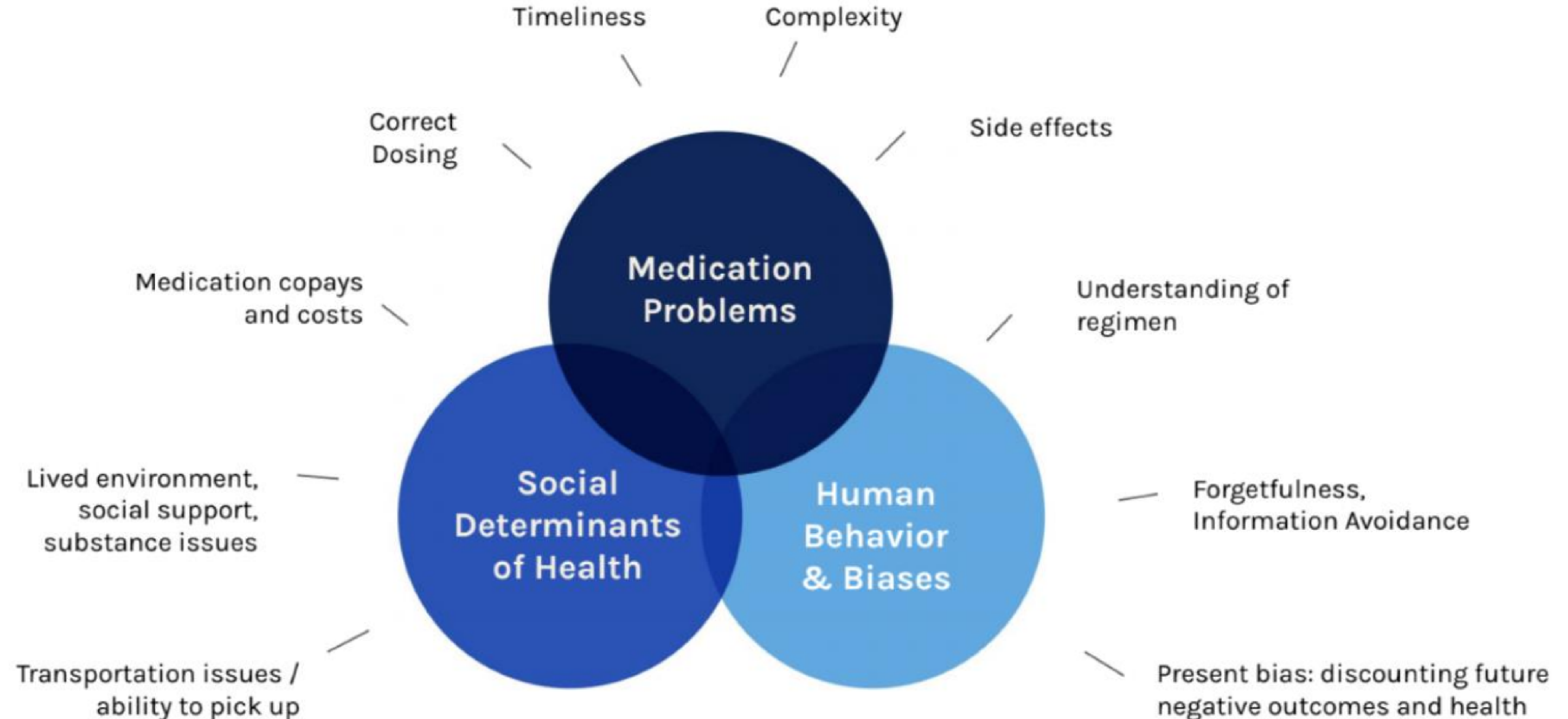
\$4-11K³

Hospitalization costs
from rejection
episodes

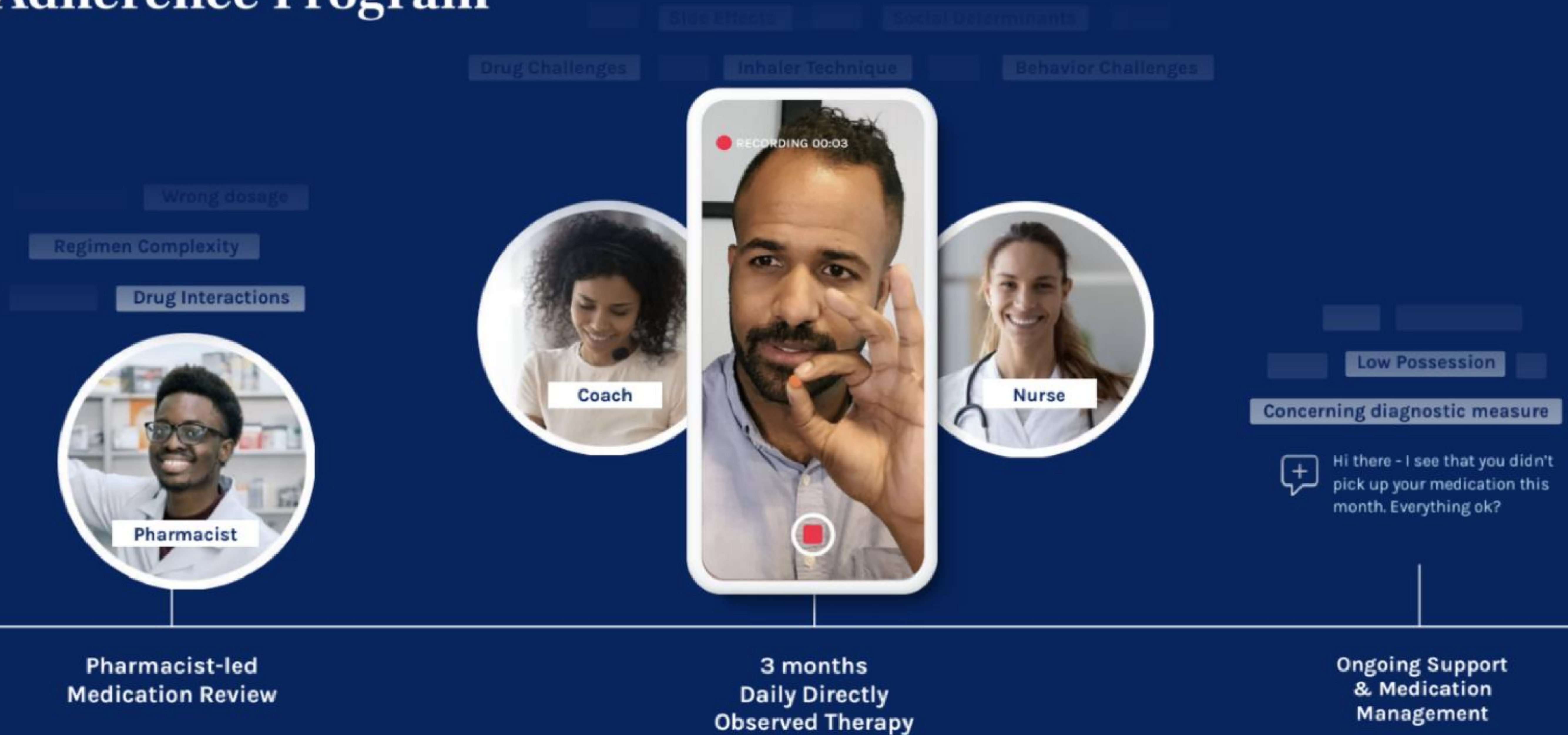
7x⁴

Non-adherent patients
have 7x greater risk for
late rejection

Post-transplant, patients face myriad challenges.



Digital Medication Adherence Program



Platform & Service Overview

Patients

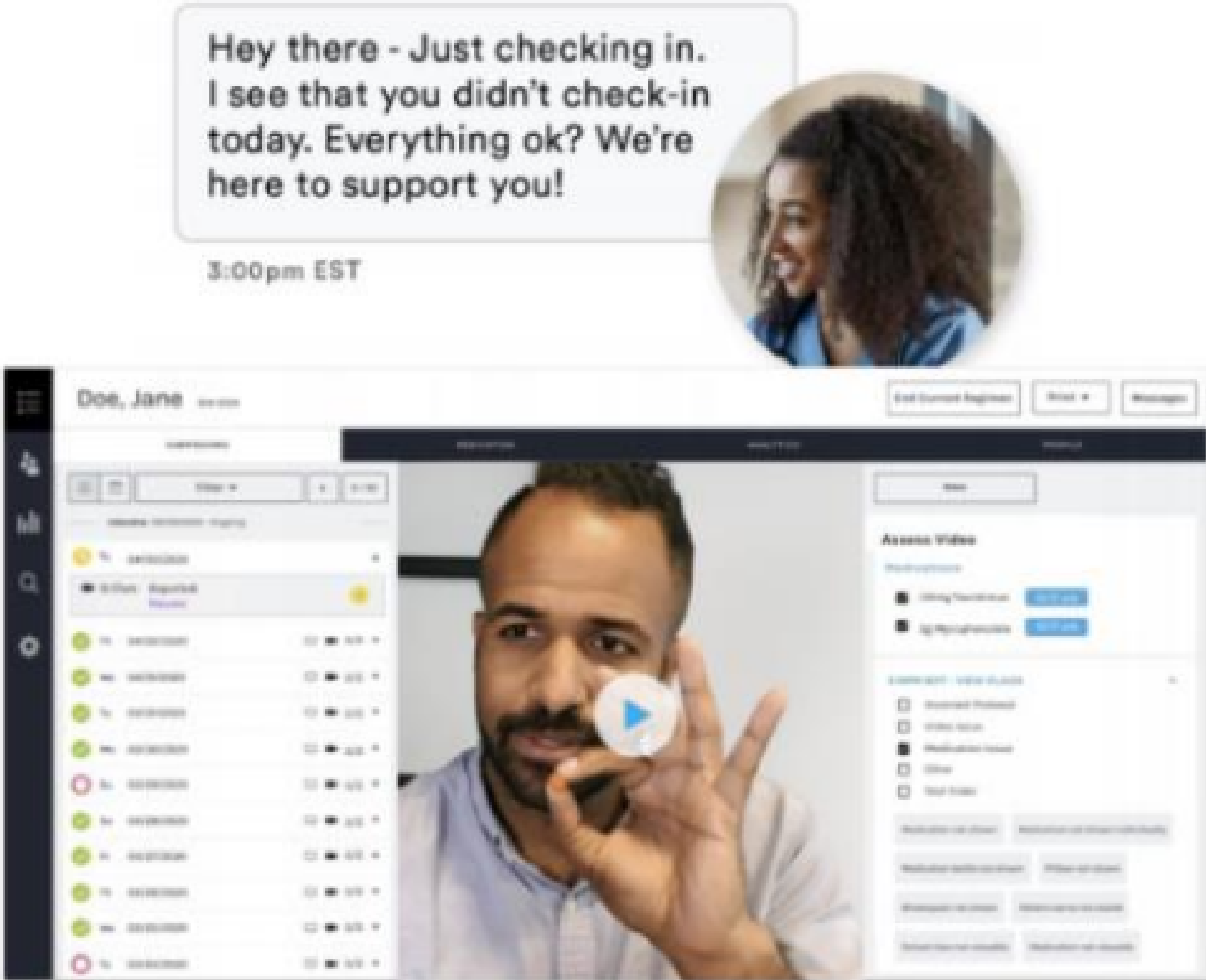
emocha Mobile App



Patients complete daily video check-ins to report side effects, take their medication, track progress, and engage with their adherence coach

Adherence Service

Engagement, Support, & Escalation



emocha's Clinical Adherence Team confirms daily ingestion, motivates and supports patient at every dose, and addresses any adherence challenges that arise by following our transplant-specific playbook.

Transplant Team

Analytics & Reporting



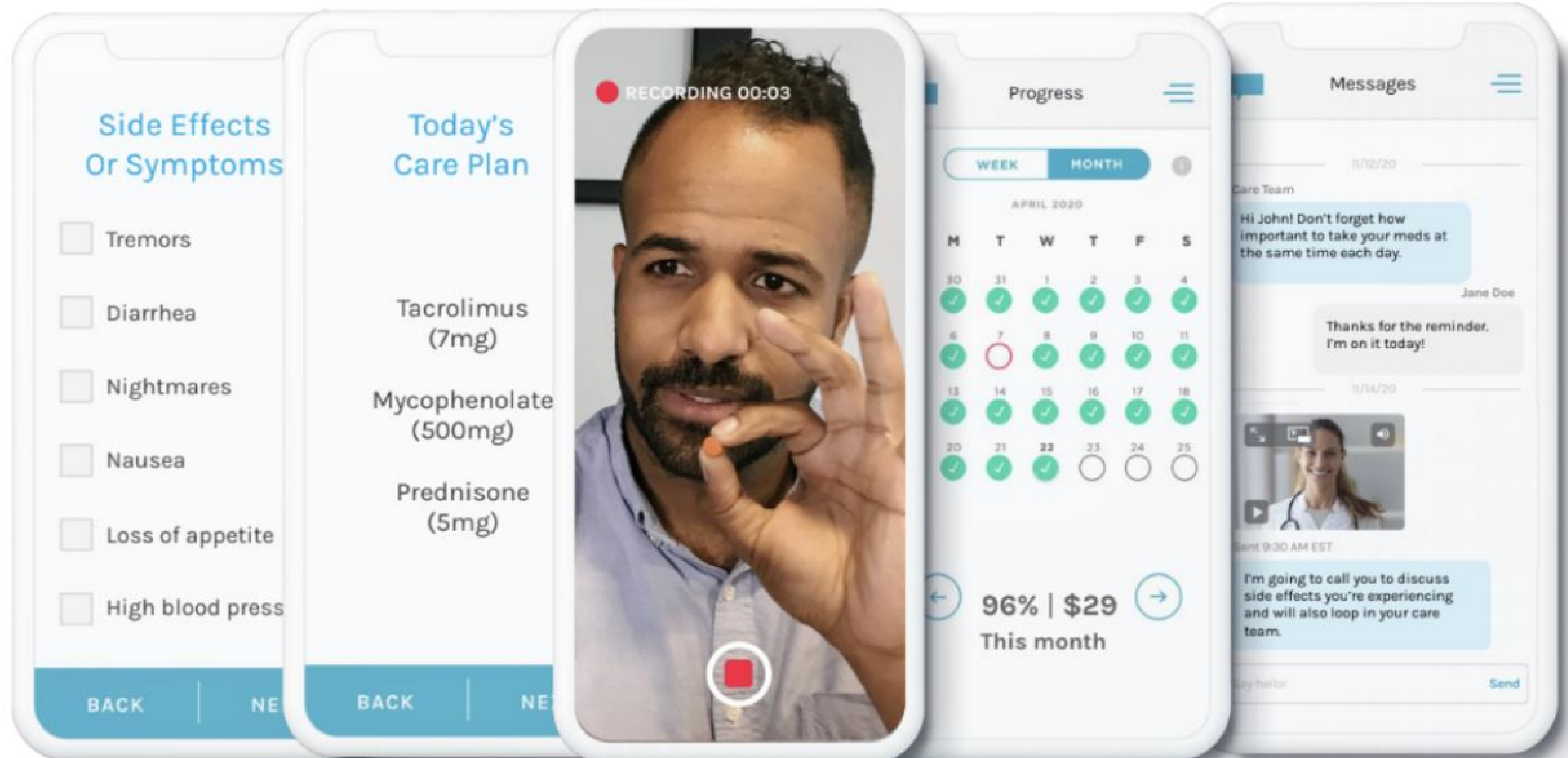
Transplant teams receive weekly and monthly reports on patient progress and adherence barriers, and -- if desired -- ability to view video check-ins using emocha's engagement platform.

Patient-facing Mobile App

emocha's patient app is designed to make daily virtual check-ins feel easy and supportive. Patients open their emocha app daily to report side effects, take a video selfie of medication ingestion and engage with their adherence coach via in-app messaging and video engagement.

FEATURES

- + Medication reminders
- + Symptoms Capture
- + Asynchronous & Live Video
- + In-app messaging
- + Adherence Metrics
- + Financial Incentives
- + Transplant resources
- + Touch ID / Face ID / PIN Login
- + 22 Languages



emocha's Transitional Care Team: Designed to Amplify Transplant Care Teams



Pharmacists

- + Provide medication reconciliation and education at program outset
- + Deliver medication summary and action plan to patient



Adherence Coaches

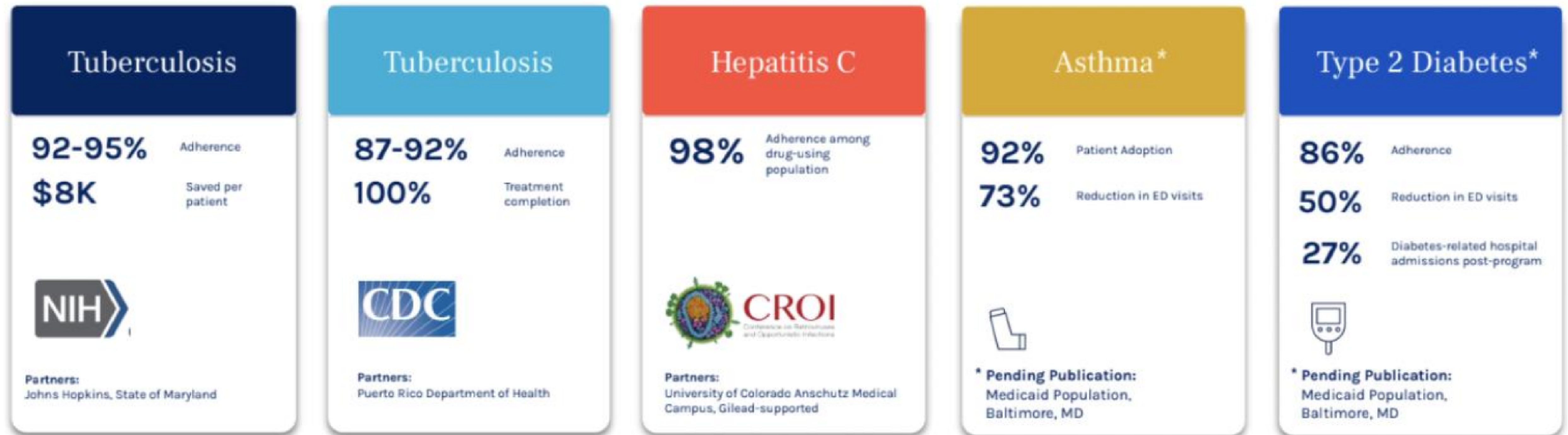
- + Review all submitted video check-ins for medication adherence
- + Compassionate, empowering, observant; support patients in overcoming every adherence barrier
- + Provide linkage to existing services and resources, and maintain daily communication with patients



Registered Nurses

- + Provide clinical review of all symptoms / side effects
- + Liaise directly with the patient's care team regarding side effects or other concerning issues as needed

Clinical evidence generated through independent studies shows adherence rates, acceptability, and impact



Holzman SB, Zenilman A, Shah M. Advancing Patient-Centered Care in Tuberculosis Management: A Mixed-Methods Appraisal of Video Directly Observed Therapy. OFID 2018, Volume 5, Issue 4, ofy046.

Olano-Soler H, Thomas D, Joglar O, et al. Notes from the Field: Use of Asynchronous Video Directly Observed Therapy for Treatment of Tuberculosis and Latent Tuberculosis Infection in a Long-Term-Care Facility — Puerto Rico, 2016–2017. MMWR Morb Mortal Wkly Rep 2017;66:1386–1387.

Kiser, Jennifer J.; Brooks, Kristina M.; Castillo-Mancill, Jose R.; et al (2020, March). Adherence in Active Drug Users with HCV: The INCLUD Trial. Poster session presented at the Conference on Retroviruses and Opportunistic Infections (CROI).

References

1 Burra et. al. Adherence in liver transplant recipients.

<https://pubmed.ncbi.nlm.nih.gov/21384527/>

2 Nevins et al. Understanding Medication Nonadherence after Kidney Transplant.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5533244/>

3 Pinsky et al. Transplant outcomes and economic costs associated with patient noncompliance to immunosuppression.

<https://pubmed.ncbi.nlm.nih.gov/19843035/>

4 Butler et al. Frequency and impact of nonadherence to immunosuppressants after renal transplantation: a systematic review.

<https://pubmed.ncbi.nlm.nih.gov/15021846/>



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Transplant Opportunities & Program Value

Minimize avoidable costs and poor outcomes due to non-adherence

Decrease likelihood of rejection episodes, graft failure, mortality, or retransplantation

Protect a second chance at life for transplant recipients

Amplify and streamline care coordination post-discharge

Vision

Make technology-enabled
directly observed therapy
the standard of care for
transplant recipients who
need support

Transplant Partners

- + Johns Hopkins University
- + Florida State University
- + University of Florida
- + University of Virginia
- + University of Miami
- + National Institute of Diabetes and Digestive Kidney Diseases

Detailed patient and population-level analytics on adherence and medication challenges

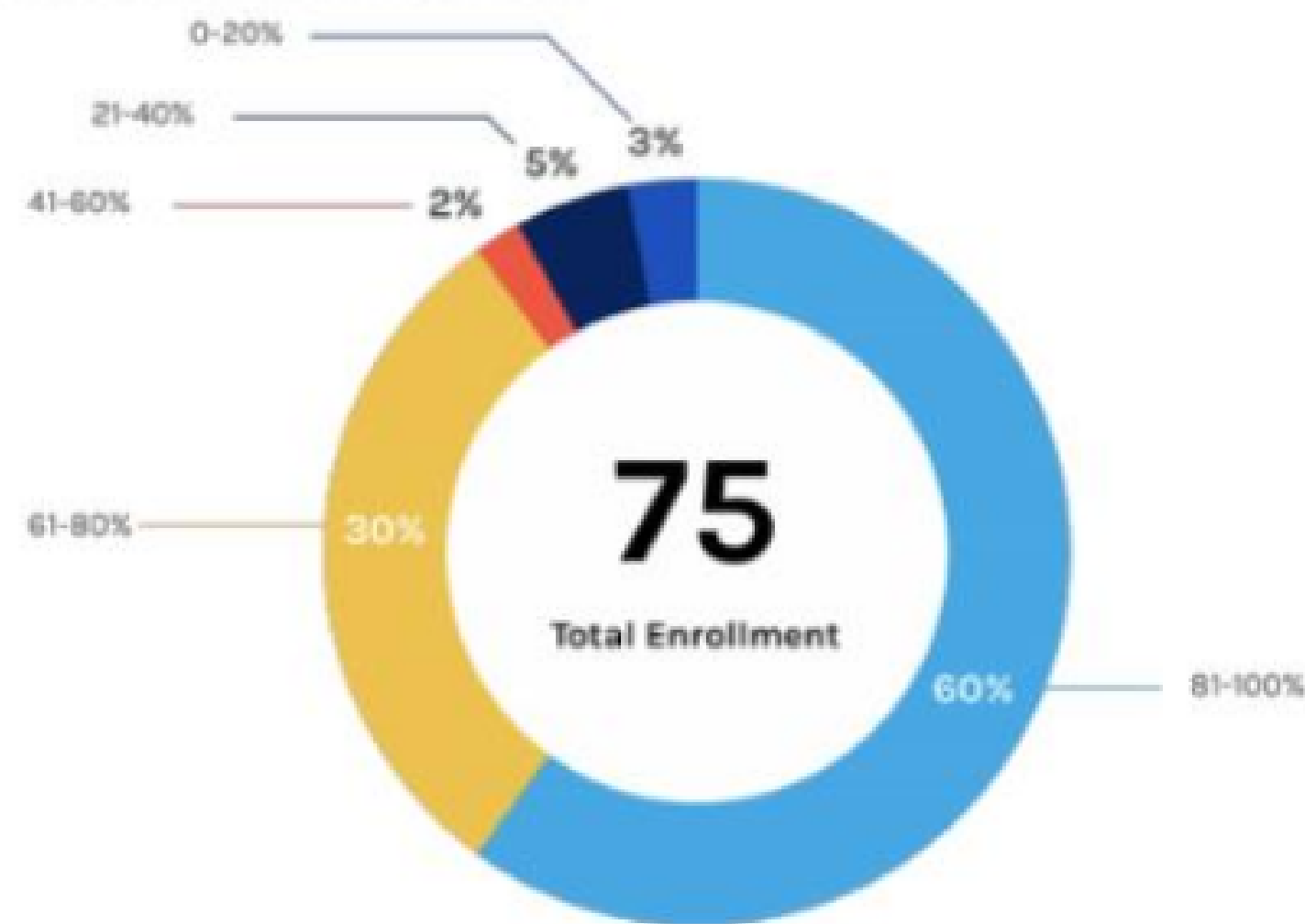
75

Total Enrollment

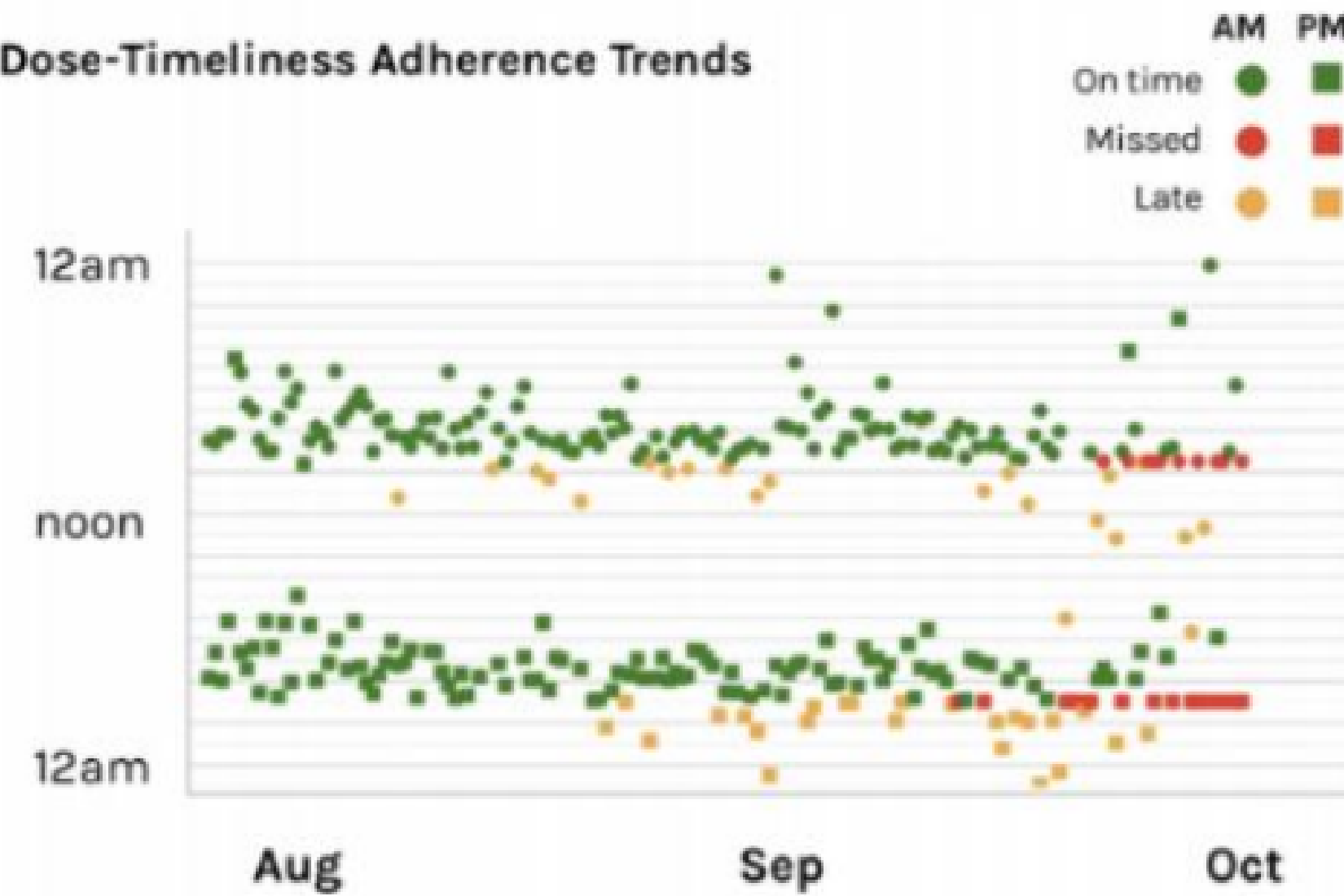
92%Average adherence rate
for currently active patients**6.8%**

Patients required escalation

Patient adherence breakdown



Dose-Timeliness Adherence Trends



Observed Video Check-ins



Scalable messaging protocols with transplant and medication-specific context

emocha Adherence Coach

It's important to take your medication at the same time each day. Try doing this at the same time as something you do everyday (like brushing your teeth).

Sent 8:42 AM EST



John Doe

Thanks for the reminder. I think I'm getting back on track. Trying not to take meds more than 12 hours apart.

Sent 9:02 AM EST

Adherence Barrier

Motivational

Clinical Issue

Technical Issues

Protocol Issues

Adherence Streak

SUGGESTED

| Hi! Keep up the great work taking your medication every day. Remember, it's also important to keep a healthy diet after your liver transplant.

Send



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