Virtual Innovation Spotlight

July 15, 2020

emocha Health®

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Introduction

emocha integrates the power of people and technology to holistically support patients remotely, and solve non-adherence in chronic and infectious diseases.

Vision

We envision a world where taking all of your medication is a cultural norm and the deadly consequences of nonadherence are history.
Global Customers
Abu Dhabi, UAE
Barcelona, Spain
Bangalore, India
Pune, India
Juarez, Mexico
NSW, Australia

Life Sciences
Boston Medical Center
Brown University
Clexio Biosciences
Harvard University
John Hopkins University
New York University
University of Colorado
University of California-San Francisco
University of Miami
University of Florida
University of Virginia
University of Washington
Medpace

Payers & Providers
Cedars Sinai Hospital
Elica Health Centers
Greater Baltimore Medical Center
Indians Regional Medical Center
Jeffcare Health Center
John Hopkins University Health Care Priority Partners
RKM Primary Care
LifeBridge Health

Public Health Departments
Ninilchik Traditional Council, AK
La Paz County, AZ
Maricopa County, AZ
Pinal County, AZ
Alameda, CA
Contra Costa, CA
Fresno County, CA
Kern, CA
Kings County, CA
Merced, CA
Orange County, CA
San Diego, CA
Solano, CA
Linn County, IA
New Orleans, LA
Hennepin County, MN
Audrain County, MO
Kansas City, MO
Berrien County, MI
Oakland County MI

Public Health Depts. (cont)
Ottawa, MI
Macomb County, MI
Midland, MI
Washtenaw County, MI
Mecklenburg County, NC
Rutgers TB Institute, NJ
Columbus, OH
Marion County, OR
Austin, TX
Collin County, TX
Corpus Christi, TX
Dallas, TX
Denton County, TX
El Paso, TX
Ft Bend, TX
Galveston, TX
Harris County, TX
City of Houston, TX
Tarrant County, TX
Clark County, WA
King County, WA

States & Territories
State of Texas
State of Alabama
State of Delaware
State of Louisiana
State of Maryland
State of Mississippi
State of New Mexico
State of Rhode Island
State of South Carolina
State of Tennessee
Territory of Puerto Rico
Territory of Guam
US Virgin Islands

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City of Houston, TX
Tarrant County, TX
Clark County, WA
King County, WA

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State of Mississippi
State of New Mexico
State of Rhode Island
State of South Carolina
State of Tennessee
Territory of Puerto Rico
Territory of Guam
US Virgin Islands

Global Impact
Over 100 customers
Serving public health since 2014
One program for multiple populations

Asthma
Diabetes
Behavioral Health
Infectious Diseases
Organ Transplant
Overview

emocha Video DOT System

User reports side effects, care plan and submits video

Video assessed by care team for adherence

Overview

emocha Video DOT System

User reports side effects, care plan and submits video

Video assessed by care team for adherence
Simple, easy-to-use app in over 22 languages
Overview

Mobile App for Care Teams

View list of users
Add in-person submission
Contact users through the app
Access directions and view regimen
Care Team Analytics

Provider-facing web portal with detailed population and individual level measures of adherence
## Asynchronous Video DOT Benefits

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>No appointment scheduling</td>
<td>Works without connectivity</td>
</tr>
<tr>
<td>Capture Weekend doses</td>
<td>Side Effect Capture</td>
</tr>
<tr>
<td>Asynchronous Secure Messaging</td>
<td>Medication reminders</td>
</tr>
<tr>
<td>20+ languages</td>
<td>Alerts &amp; Notifications</td>
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*Emocha Health*
Clinical validation through 21 publications and independent studies

**Tuberculosis**
- **CDC Notes from the Field**
- **87-92% Adherence**
- **100% Treatment completion**
- **Partners:**
  - Puerto Rico Department of Health

**Tuberculosis**
- **Open Forum Infectious Diseases**
- **92-95% Adherence**
- **Up to $8K Saved/patient**
- **Partners:**
  - Johns Hopkins, States of Maryland

**Tuberculosis**
- **CDC Notes from the Field**
- **97% Adherence**
- **2 weeks Emergency Operations**
- **Partners:**
  - Texas Department of State Health Services

**Hepatitis C Virus**
- **CROI**
- **98% Adherence among drug-using population**
- **Partners:**
  - University of Colorado Anschutz Medical Campus, Gilead-supported

**Asthma**
- **Pending Publication**
- **92% Adoption**
- **96% Issues handled remotely by nurse**
- **Partners:**
  - LifeBridge Health

**Opioid Use Disorder**
- **Journal of Addiction Medicine**
- **Take-home treatment**
- **93% Adherence**
- **Partners:**
  - University of Washington, Boston Medical Center
Helping health departments with resource allocation and support

1. When resources moved from TB to COVID-19, emocha helps health departments do more with fewer resources.

2. As those receiving treatment and DOT workers need to maintain distance, video DOT provides remote care without sacrificing adherence.

3. To optimize resources using video DOT, emocha has supported health departments in contact tracing support & symptoms monitoring.
Continuity of care during the pandemic

Lapses in care could potentially set back the fight against TB years. emoche’s video DOT maintains the benefits of DOT in a safe and feasible way for the duration of the pandemic: helping public health departments do more with fewer resources.
Customer Case Studies

The U.S. Pacific Islands spearheads innovation with asynchronous video Directly Observed Therapy for tuberculosis treatment.

Fresno County Department of Public Health needed to expand the capacity of their limited staff to support patients during TB treatment.

Learn how emocha helped Fresno save money, reduce greenhouse gas emissions, and secure high rates of medication adherence.

Mexico expands the reach of tuberculosis treatment for patients while eliminating the burden of travel.

To enable patients to access tuberculosis treatment more easily, Ciudad Juarez launched the first Mexico-initiated DOT therapy, which improved patient-centered care.

Maryland Department of Health effectively expands video Directly Observed Therapy in local health departments across the state.

The Maryland Center for Tuberculosis Control and Prevention explored a long-term and sustainable expansion of video directly observed therapy (DOT) that established a more efficient, standardized approach to deliver patient-centered care. The patient-centered state-wide programs to easily leverage technology to support patients throughout the course of their TB treatment.
Fresno, CA

- 41.36 metric tons of CO2 emissions avoided
- Over 90% adherence for clients active as of Nov 2017
- 110,234 vehicle miles saved
- $100,531 in salary and benefits savings
- $10,196 in savings from gasoline
- 2,694 employee hrs saved
State of Maryland

150 patients utilized platform for TB

27% usage increase
June 2017 - April 2018

94% adherence achieved

13,500+ videos assessed by staff

$1,391 in savings per patient

Increased flexibility, convenience, & privacy
Guam

- **50.2 per 100,000 Residents with TB**
- **1,417 confirmed doses** From 35 patients
- **700 hours saved driving time**

**Safety & stigma addressed**

**$21,255 in savings** from staff time

**$3,457 in savings** from gasoline
Case Study

# Hurricane Harvey

- **61 patients using emocha** before hurricane
- **97% adherence** achieved
- **30 active TB** patients
- **31 LTBI** patients
- **2 weeks** emergency operations
- **5 years** using emocha to date
Puerto Rico Outbreak

- 6 LTBI patients
  - RIF, 4 months
- 11 Active TB
  - RIPE, 6 months
- 85-96% adherence
- 240 hours saved in travel time
- 100% treatment completion
- 17-50% weight gain in patients
Thank You.

For more information, contact Morad Elmi at melmi@emocha.com