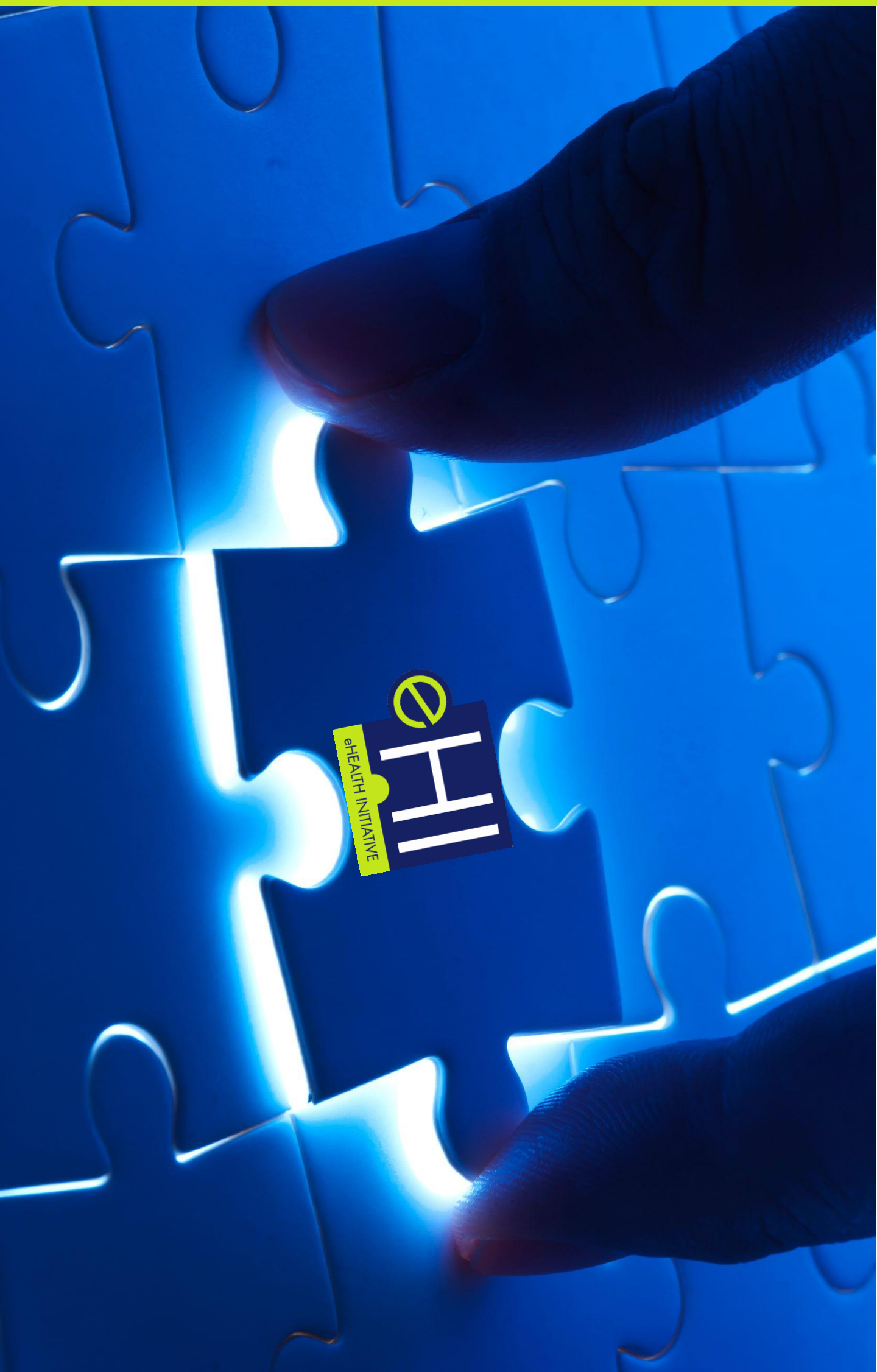
eHEALTH INITIATIVE



Rapidly Deployed Remote Monitoring for COVID-19 *Best Practices*

March 31, 2020

eHEALTH INITIATIVE

Agenda

Welcome and Introductions

- **Jennifer Covich Bordenick**, CEO, eHealth Initiative and Foundation

Presenters

- **Al Kinel,** President, Strategic Interests, LLC
- **Bridgette, Wiefling, MD,** Senior Vice President Primary Care, Advanced Solutions Institute, Rochester Regional Health
- **Levi Shapiro,** Founder of mHealth Israel; Instructor, Digital Health Program, BioMED MBA, Hebrew University
- **Uri Bettesh,** CEO, Datos Health

eHEALTH INITIATIVE

Today's Speakers

Al Kinel
President, Strategic Interests, LLC

Bridgette Wiefling, MD
Senior Vice President Primary Care, Advanced Solutions Institute, Rochester Regional Health

Levi Shapiro
Founder, mHealth Israel

Uri Bettesh
Founder and CEO at Datos

Housekeeping

- **All participants are muted**

- Use the **Q&A** box to ask a question related to the presentation

- Use the chat box is for *technical difficulties* and other questions / comments

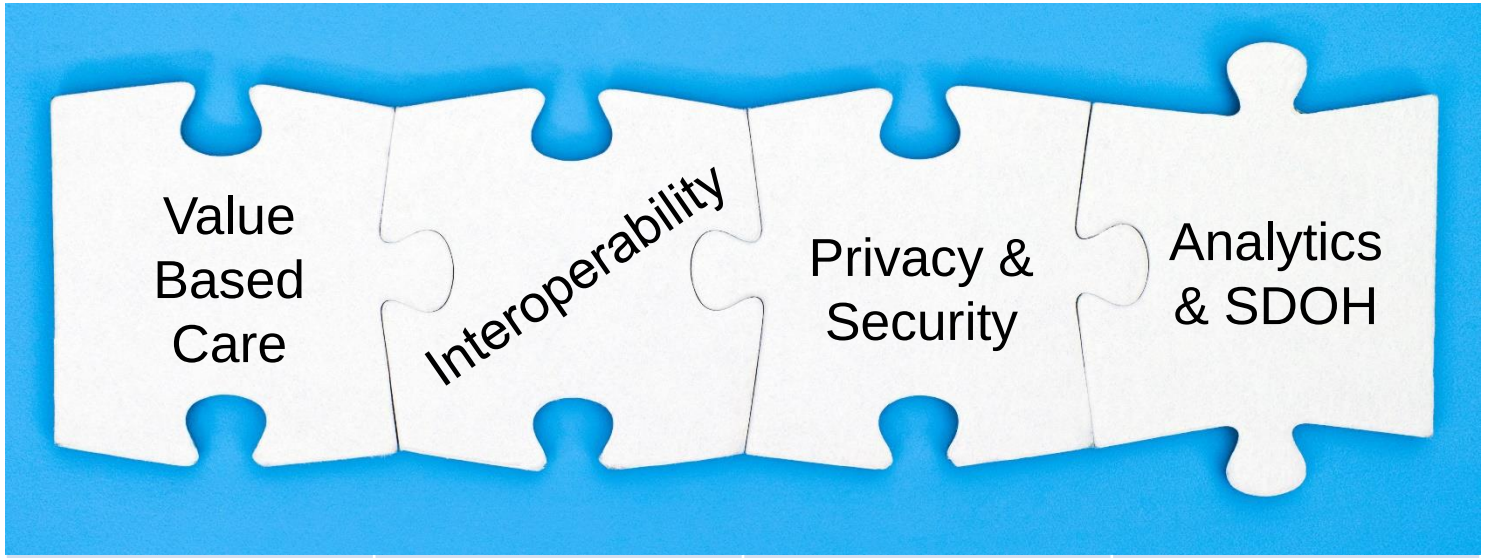
Presentation slides are in the eHI resource Center
https://www.ehidc.org/resources

eHI Leadership Council

eHI's Mission

To serve as the industry leader in **convening executives** and multi-stakeholder groups to **identify best practices** that **transform healthcare** through the use of t**echnology and innovation**

Current Areas of Focus



Cost Transparency	Understanding FHIR / APIs / Da Vinci	Protection vs. Access	Non-traditional data sources
Prior Authorization	Policy	HIPAA Part 2	SDOH & PGHD
	Workflow	Cybersecurity	EHR Data for Clinical trials
	Info Blocking	Medical Device Security	

eHEALTH INITIATIVE

- **April 7**- Telehealth during COVID-19: New strategies on how physicians are addressing the outbreak
- **April 23 –** COVID-19 - Billing for Telehealth Services

This Webinar is Generously Supported by

Ambulatory COVID Response-Using Technology To Manage Care Safely and Efficiently

Bridgette Wiefling MD

SVP RRH Primary Care Ambulatory Specialty and Clinical Innovation

And

Al Kinal

CEO Strategic Interest

ROCHESTER REGIONAL HEALTH

Rochester Regional Health

Today

5 hospital locations

19K+ system employees

2,500+ medical staff

1,600+ system volunteers

936 long term care beds

8 long term care facilities

370K behavioral health visits

100+ primary care & ambulatory locations

1M+ clinical trials tests

267K+ emergency room visits

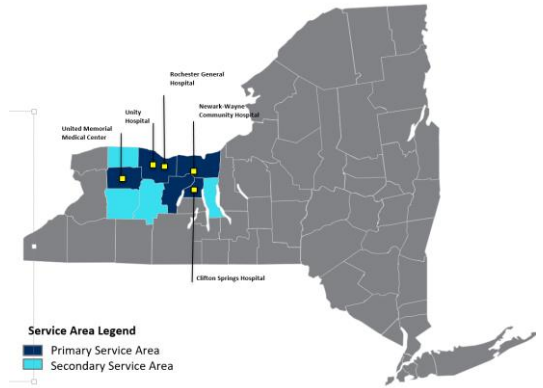
54 patient lab testing sites

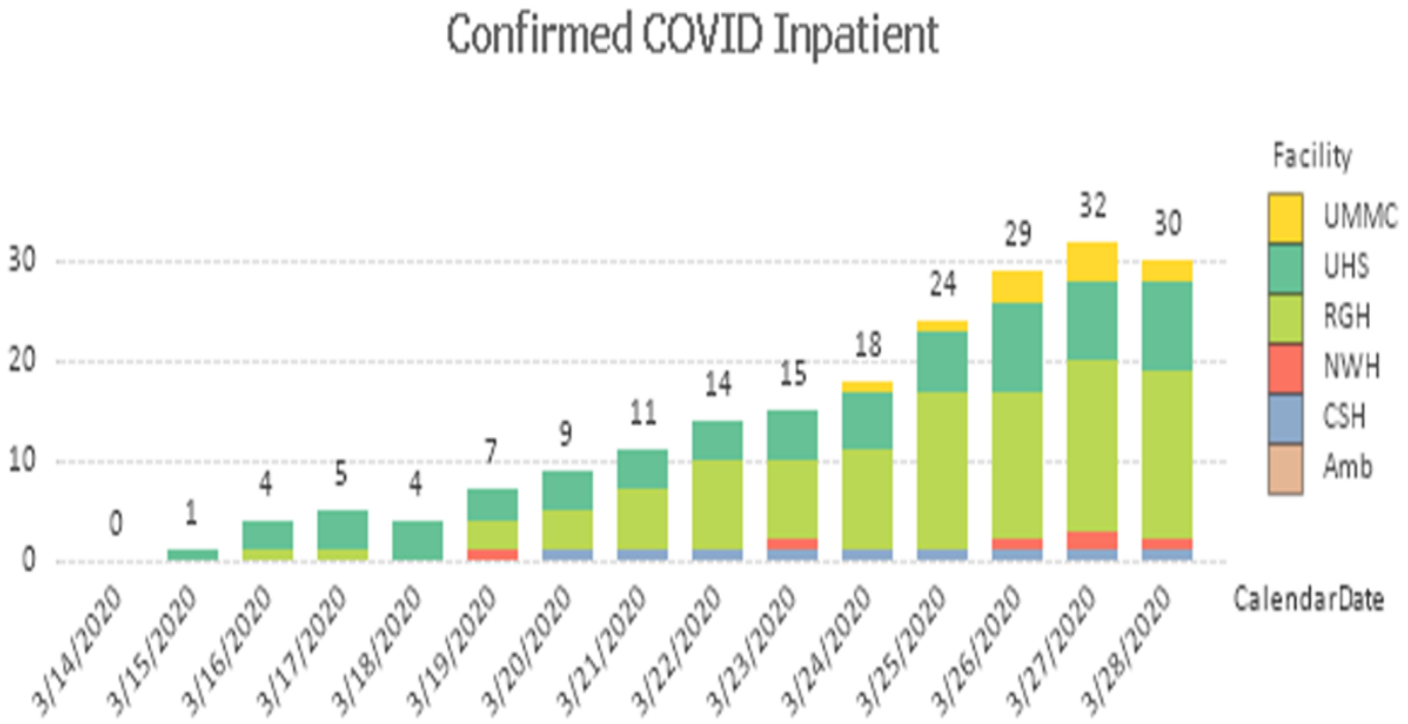
35k+ patients in home care

Patient Engagement Efforts
Prior to COVID-19

- Virtual Consultation: Tele-health Cisco Carts for nearly 15 years to manage rural healthcare for community hospitals
  - Specialty Extension
  - ICU Support
- Embraced Epic Virtual Care
- Created eHealth@Home Team
- Tele-BH Services to facilitate scarce resources
- Exploring chronic disease management opportunities with Datos

COVID-19 Hit Rochester Fast





Outpatient

- Urgent care
- Emergency Room
- Primary Care

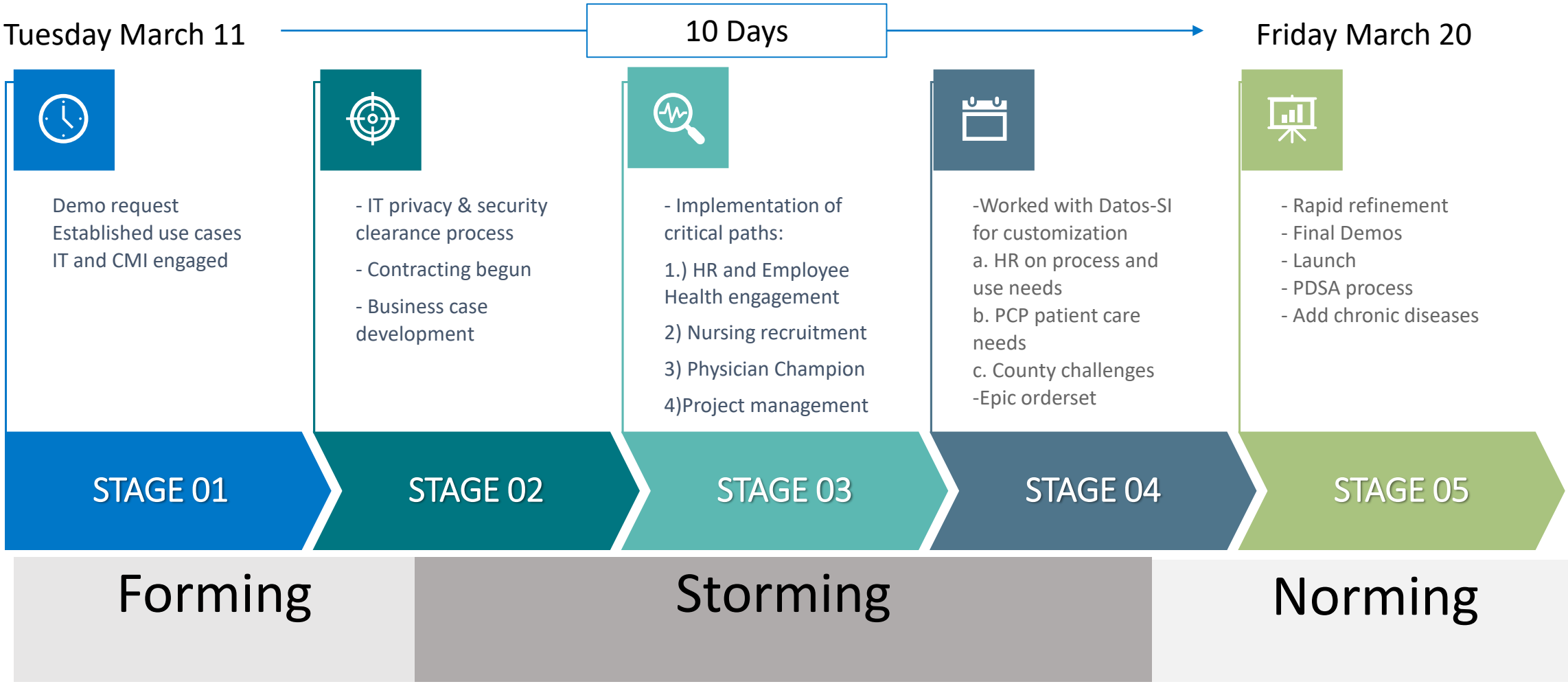
COVID-19 Preparedness

- **Focus on:**
  - Workforce Management
    - Tools ad Technology
    - Policies and Protocols for Rapid adoption
    - Regulatory management
    - Toolkit – "Playbook"
  - Materials Management Central Team
    - PPE
    - Ventilators
    - Meds
    - Hospital Equipment
  - Patient Flow and Volume Management
    - Wave 1 ambulatory redesign and conversion to full telehealth
    - Wave 2 hospital surge planning and expansion of bed capacity
  - Communication and Education
    - Patient facing
    - Leadership
    - Community

Issues that arose:

1. Tele-health limitations
2. Lack of access to testing
3. Need to manage healthcare workforce
4. Need to facilitate easier way for county to manage large # of quarantined residents

Battle Plan to Get Tool



Use Cases

Cohorts

- Patients presumed positive
- Covid Positive Patients
- Exposed Health care workers

Outcomes

Impacts

- Positive Patient Experience
- Reduced Ed Utilization
- Increased ability to get Providers back to work

Challenges

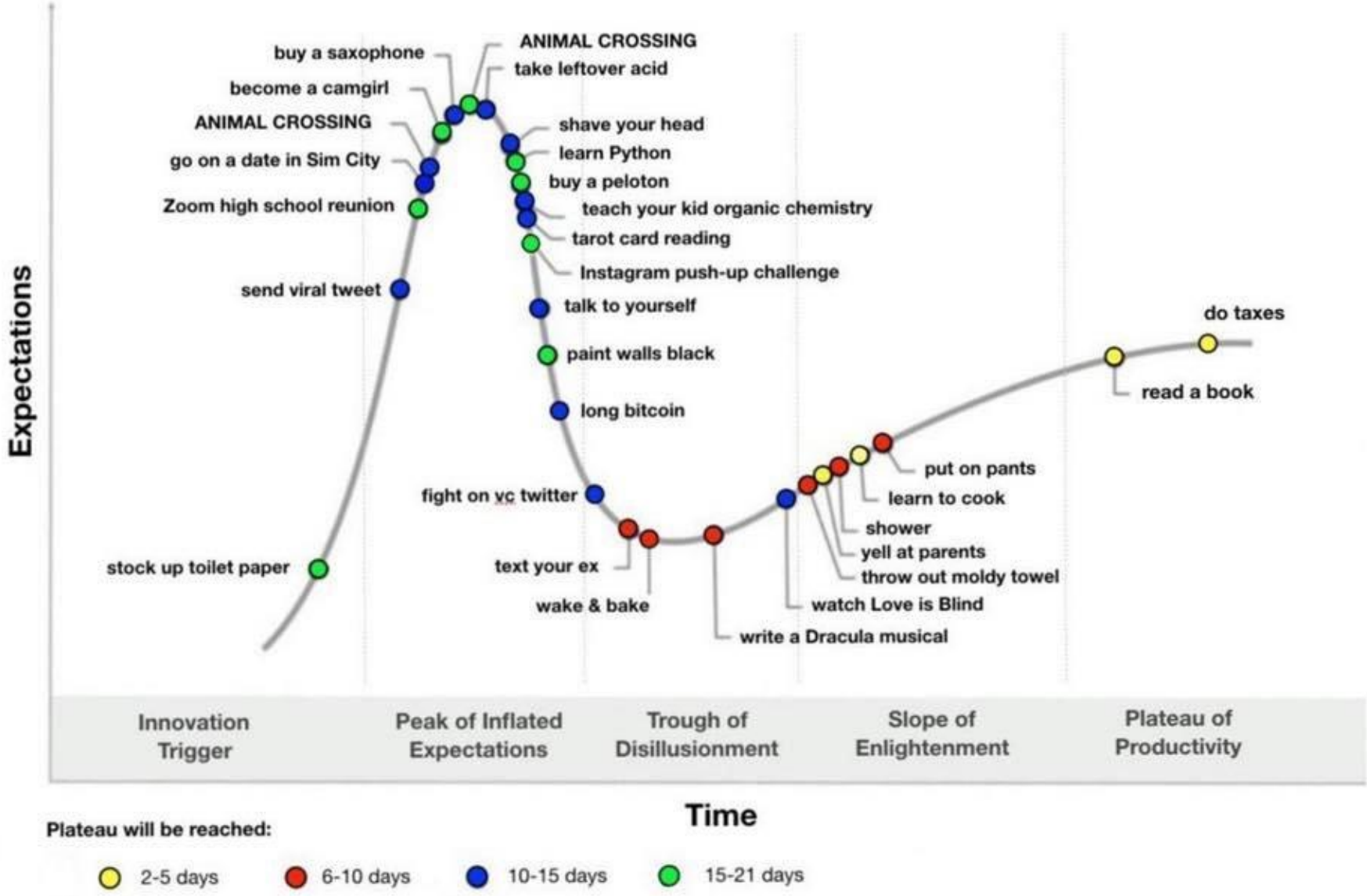
Communication

- Right work flow for patients with problems
- Double management of patients that are employees and patients
- County Needs

Israel: Connected Health for the Covid-19 Crisis

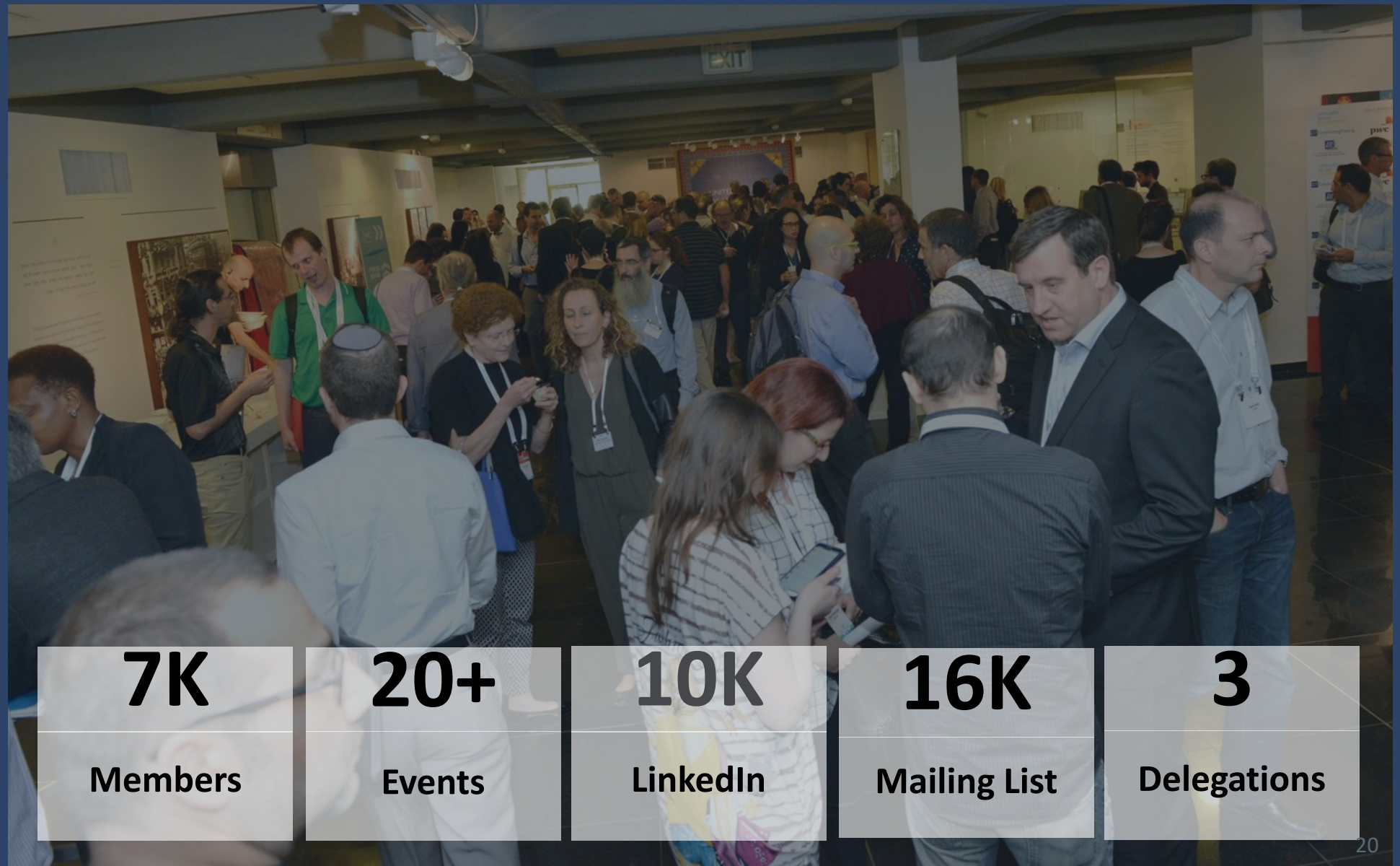
Presentation for eHI
March 31, 2020

Gartner Hype Cycle for Emerging Quarantines, 2020



Source: Gartner
ID: 370115

mHealth Israel: Community for Connected Health



7K	20+	10K	16K	3
Members	Events	LinkedIn	Mailing List	Delegations

Next Wave of Innovation Will Be Driven by Covid-19

Biology + AI, physics, computation, electronics, nano, etc

BioConvergence

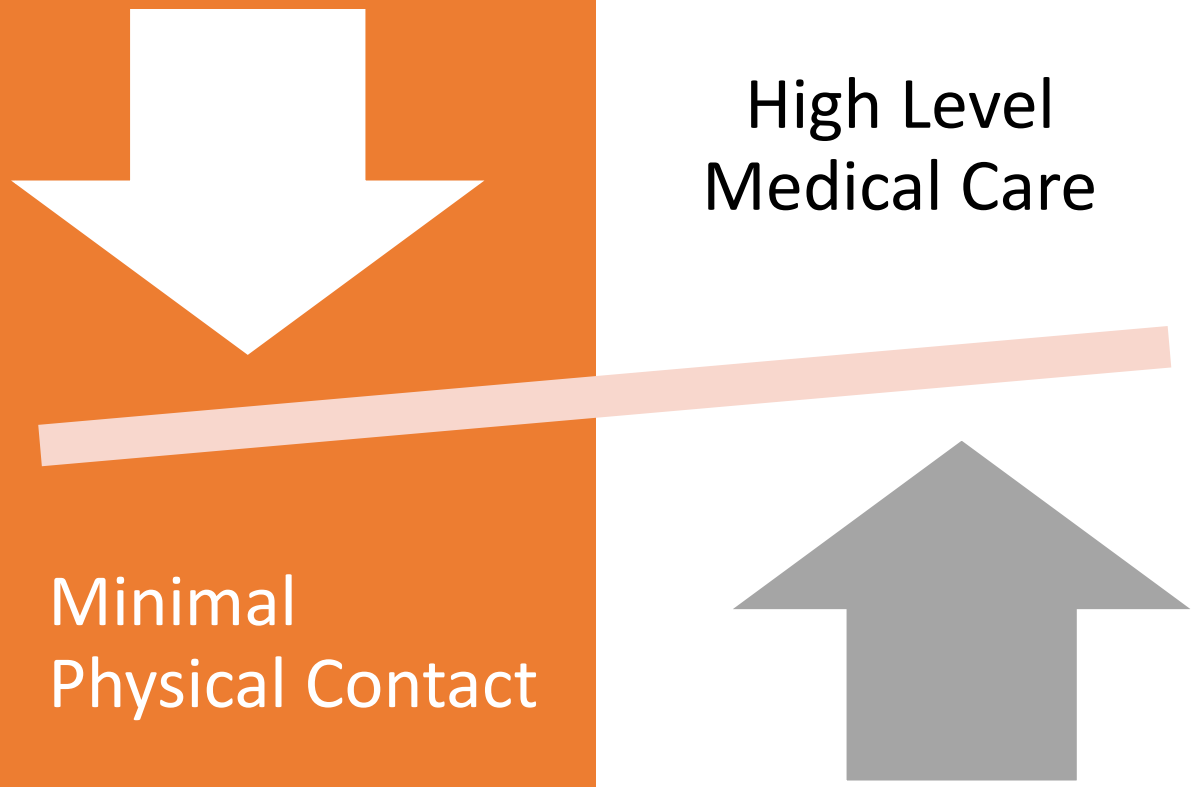
BioPharma

Digital Health

MedTech

Sheba Case Study: Telemedicine as a Critical Tool for Covid-19

Priority: Maximal Crew Protection



Harnessing Telemedicine Technologies

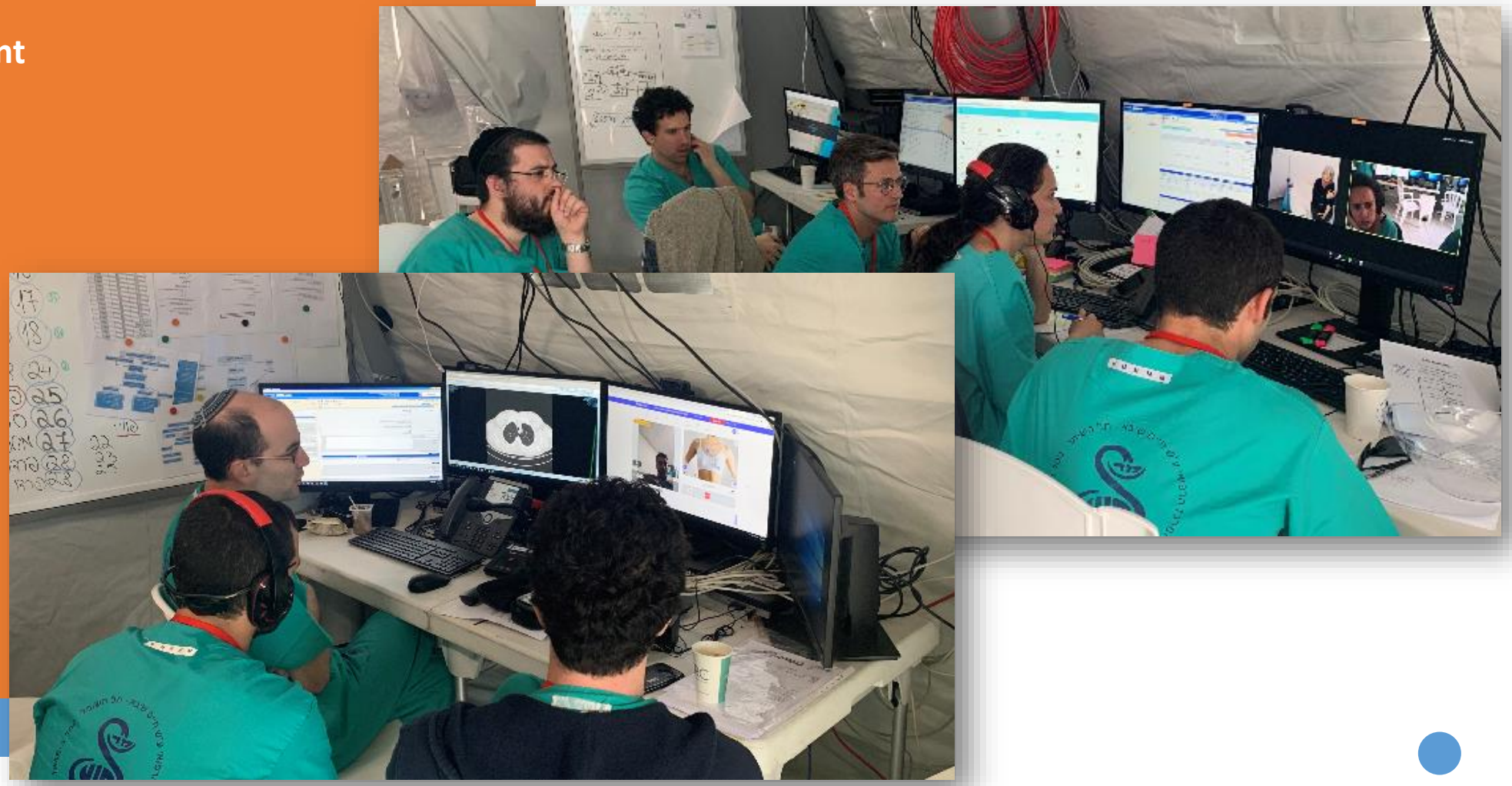
1st Stage - Facility for “HEALTHY” people

- **Goal: Zero physical contact**

New Concept:
Inpatient Tele-Hospitalization

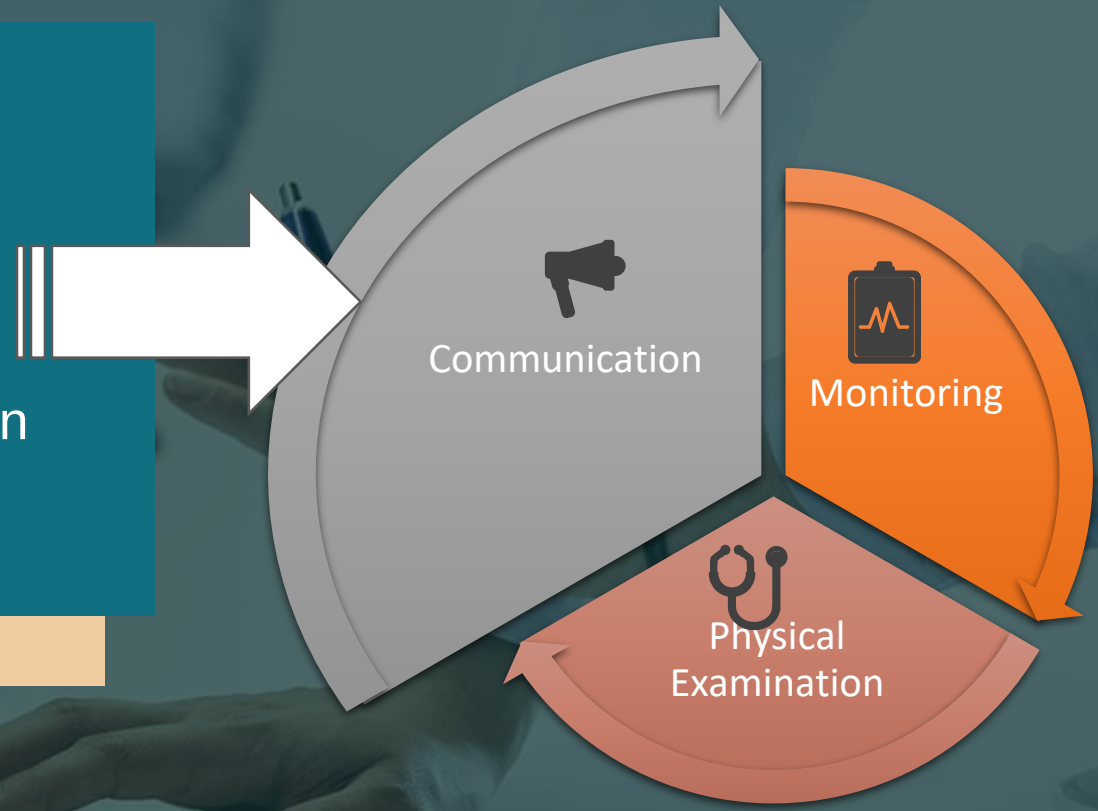
The Control Room

- **The Tele-Tent**



Communication

- **Uniper**
- **Back-up:**
  - Telephone
  - Cell phone
  - Emergency press button
  - Security cameras

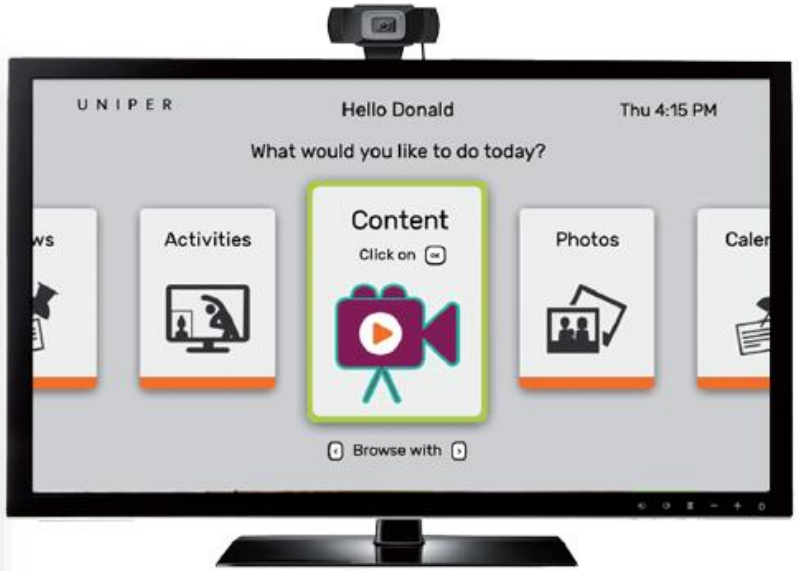


Uniper

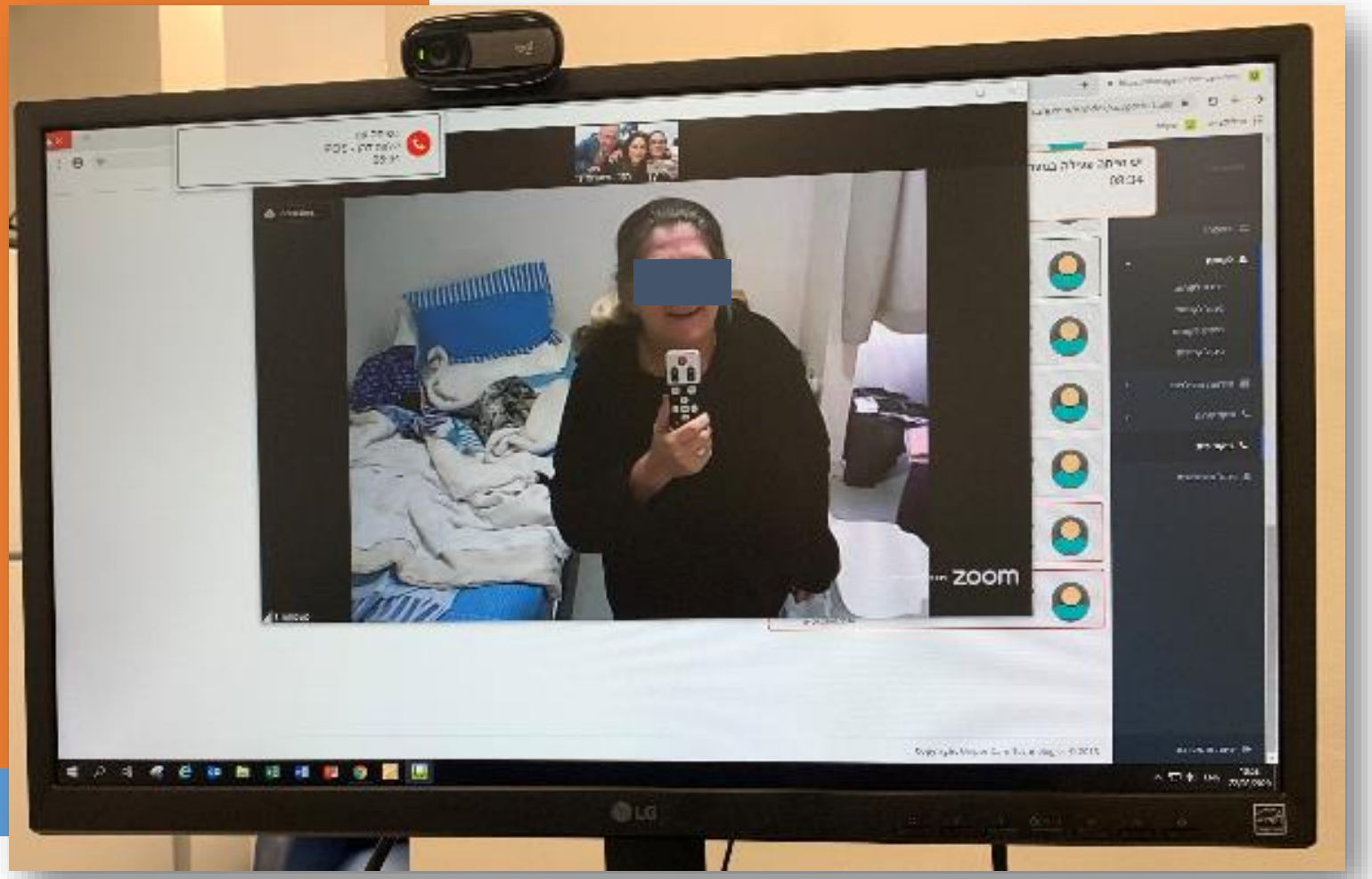
- **Simple TV box turns any television into an interactive personal companion**

Simple remote

Customized easy-to-use remote control with a built-in microphone and a small web camera for social engagement and activity.

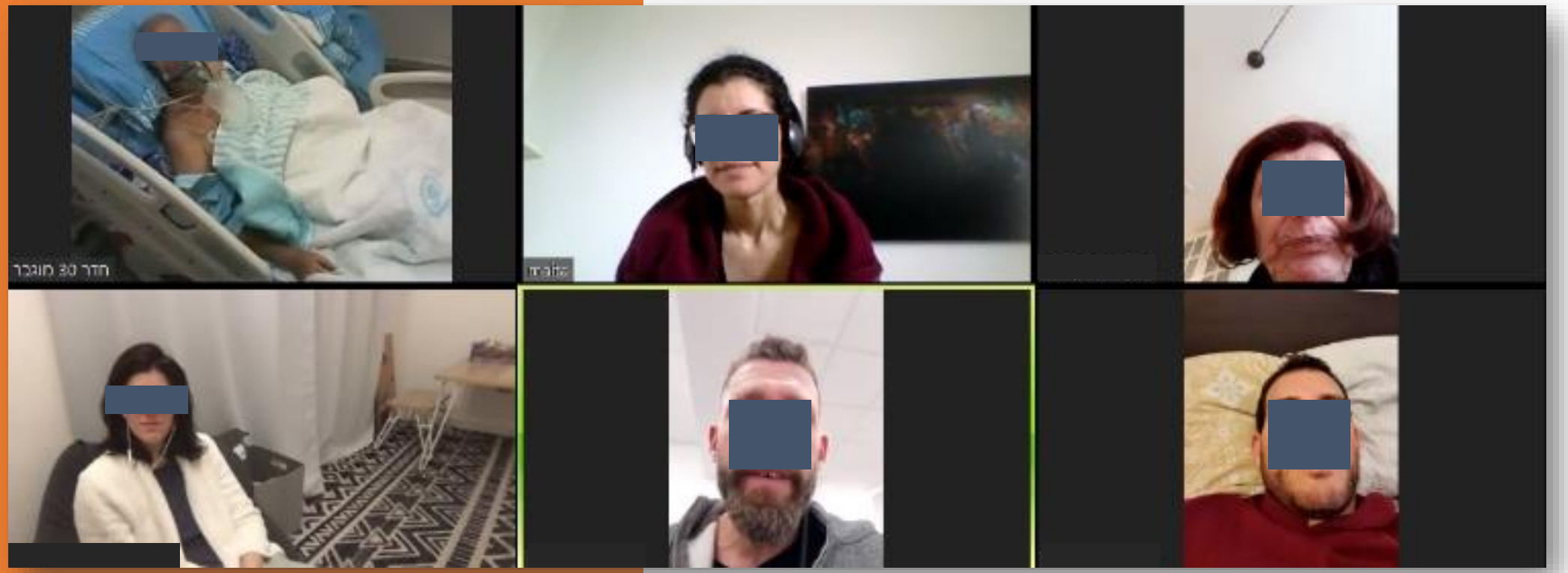


Video visits



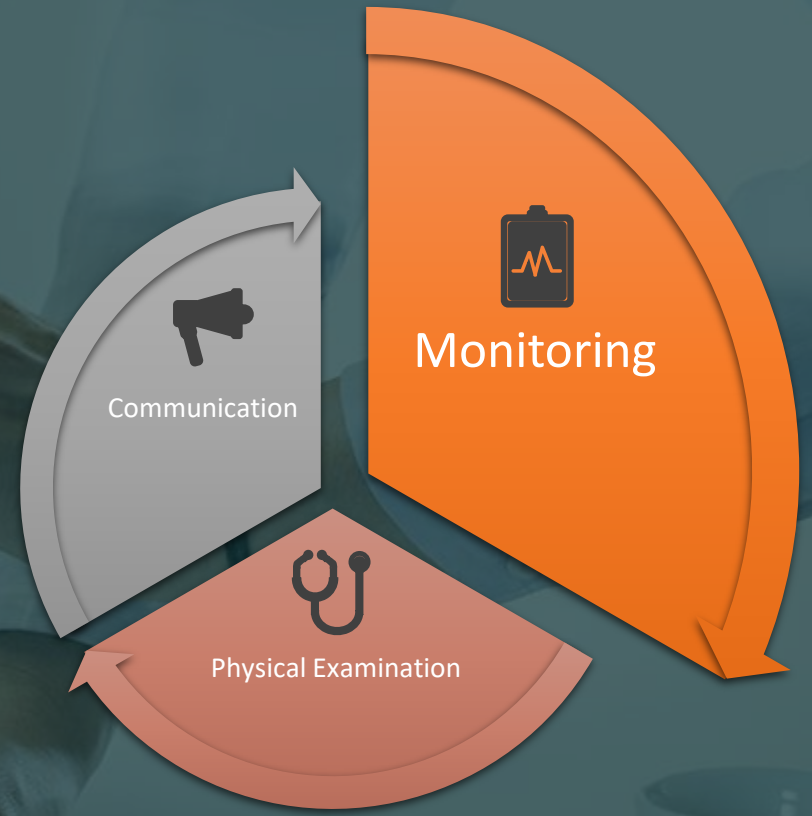
Group visits

Virtual Family Visit



Monitoring

- Self examination and reporting of vital signs
- Earlysense



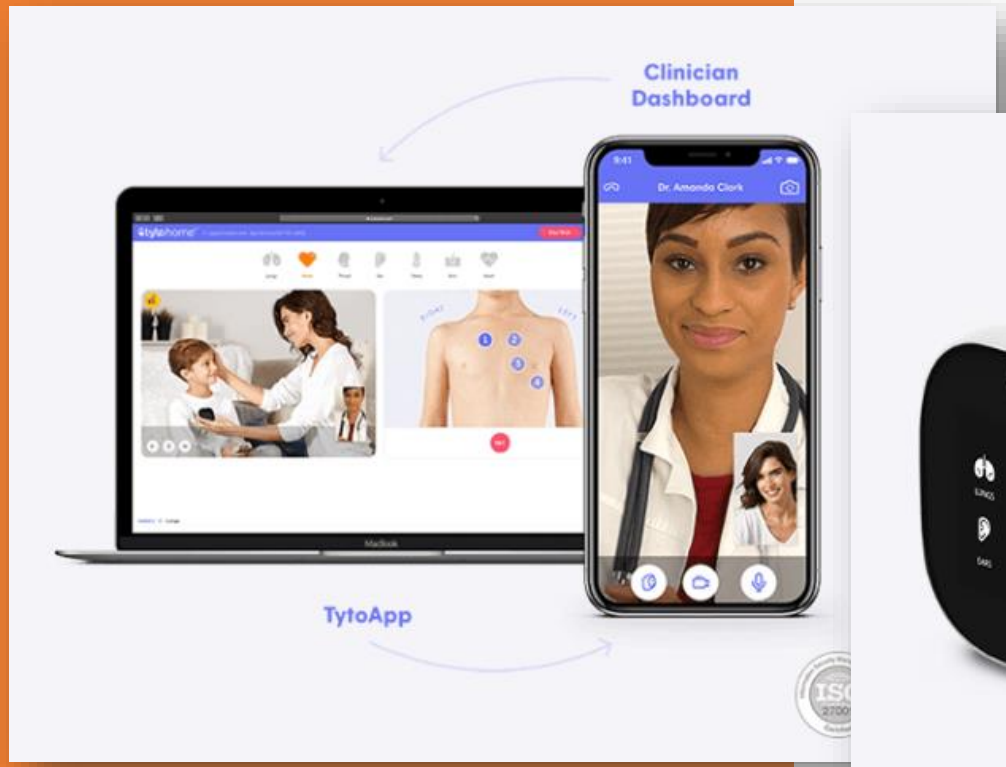
EarlySense

- **Contact free continuous monitoring of HR, RR and Motion**
- **AI based algorithm that predicts clinical deterioration**

Physical Examination

tytocare™

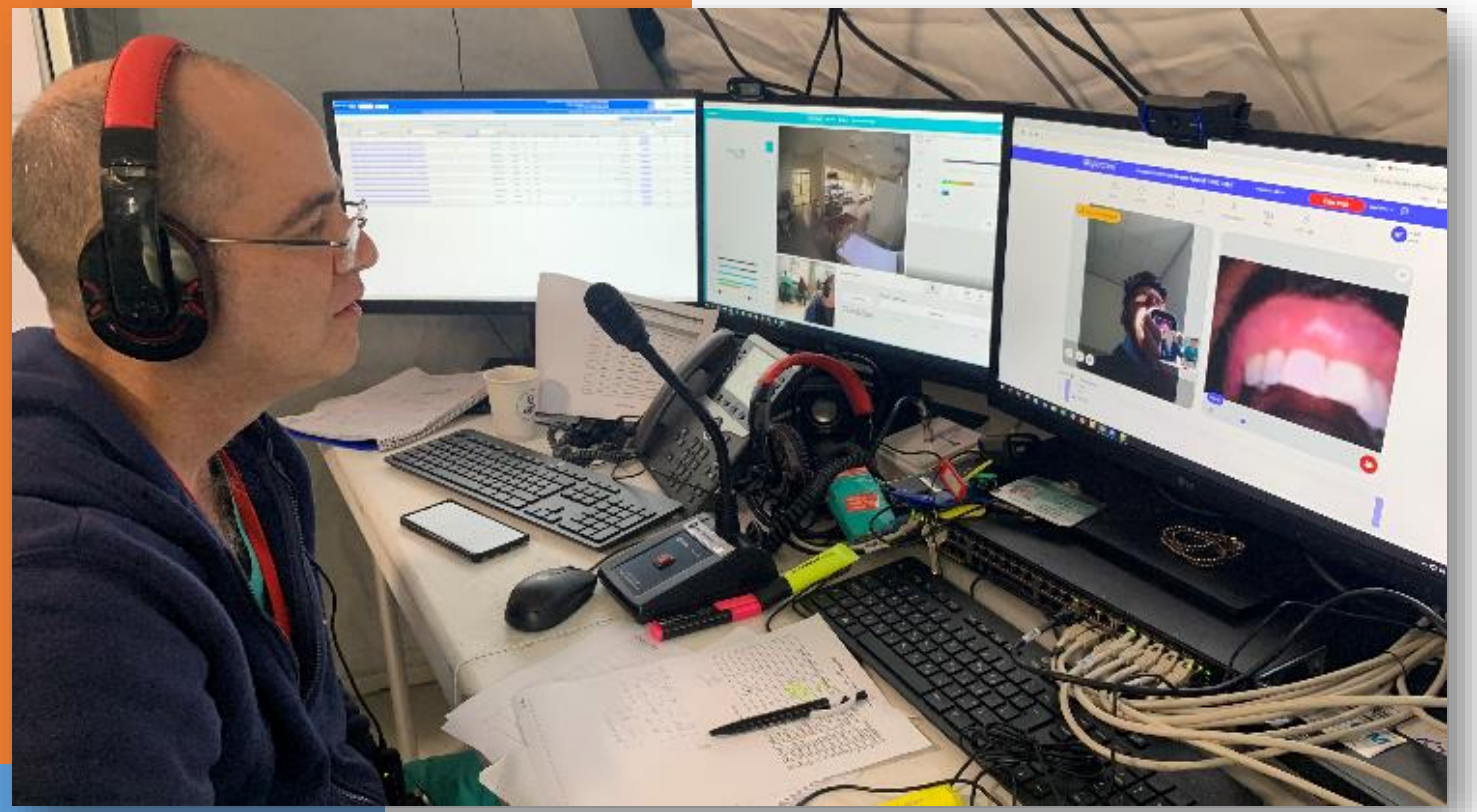
Tyto Care


Clinician
Dashboard
Dr. Amanda Clark
TytoApp

ISO
27001
ISO
ISO 13485

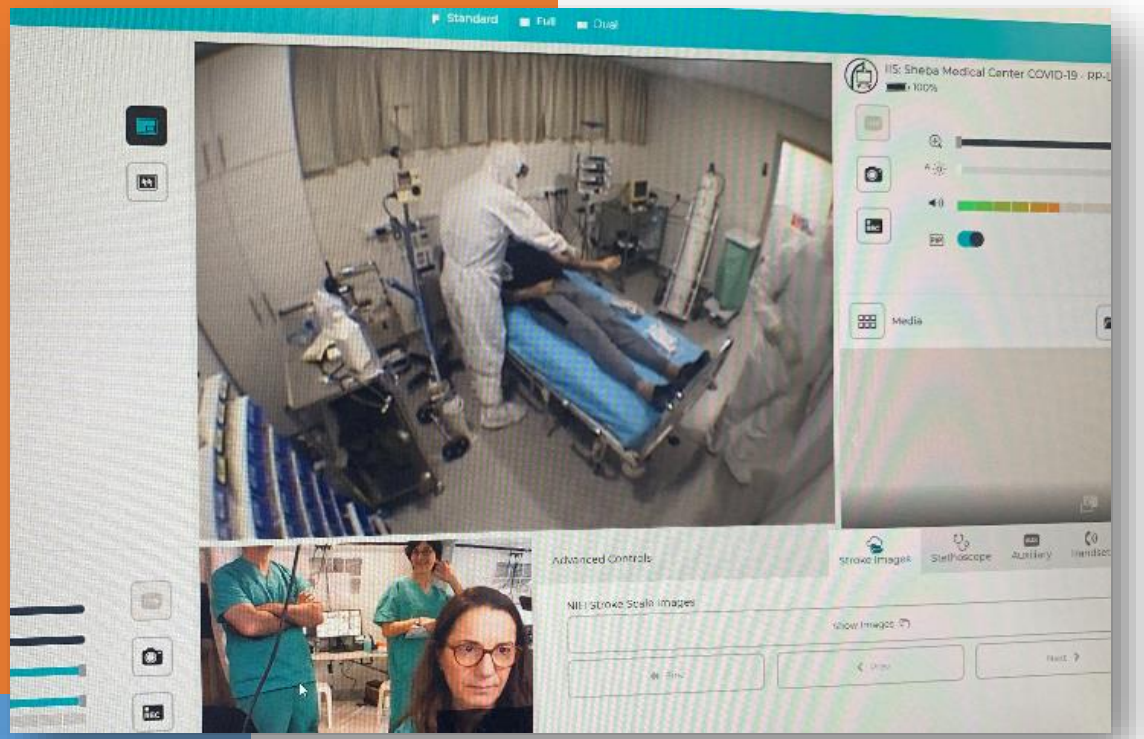
Daily Rounds

tytocare™



Intouch Telepresence Robot

Located in the special care room and allows better communication with staff when inside the facility



Stage 2

- **Transform the facility into an internal medicine ward**
- **Goal: Minimal Physical Contact**

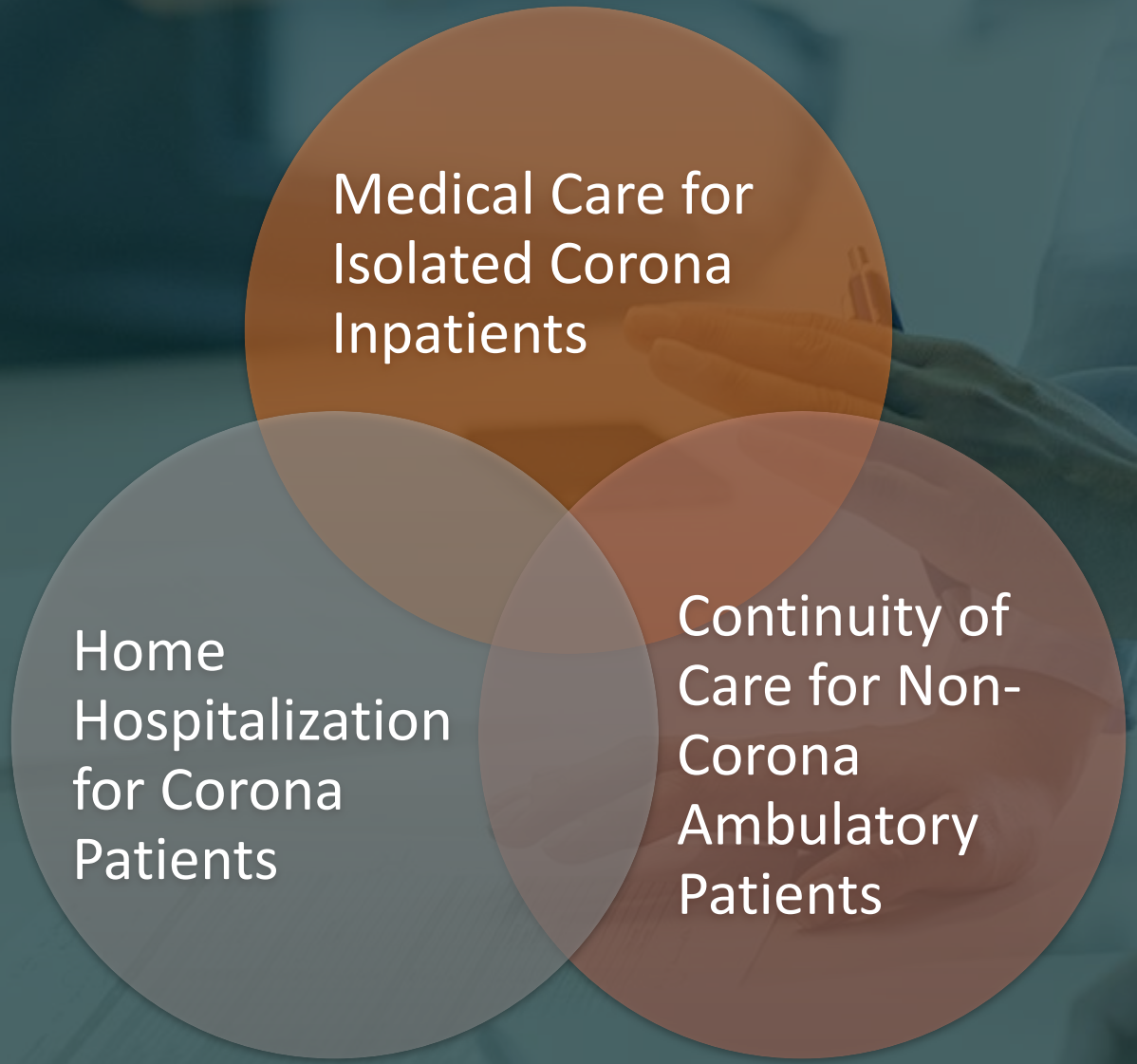
Sensor Measurement

Biobeat's patch measures and records the following parameters:

- Blood pressure
- Respiratory rate
- Blood oxygen saturation
- Pulse rate
- Heart rate variability
- Stroke volume
- Cardiac output
- Cardiac index
- Pulse pressure
- Systemic vascular resistance
- One lead ECG
- Mean arterial pressure
- Sweat level
- Skin temperature

biobeat Medical Smartmonitoring

Telemedicine is critical in times of crisis



Datos.

Fully automated remote care and telemedicine platform

COVID-19 quarantined patients monitoring program

Uri Bettesh, Founder & CEO

March 2020

Datos | Moving Care Forward

Field-proved COVID-19 telemedicine solutions

HOME HOSPITALIZATION

Remote monitoring and online symptom-checking for home hospitalized positively diagnosed Corona patients at their homes

- Enable large scale of care
- Protect hospitals and care teams
- Allows an isolated medical team to provide remote care

VIRTUAL CLINIC

Transform all hospitals' ambulatory services and out-patient clinics to operate virtually enabling remote consultations via video calls

- VERY simple – no app download or registration process is needed
- Can even support non-techies users

© Datos 2020 - Confidential

We have the experience!

MedCityNews

Hospitals turn to technology to combat coronavirus

Datos

At Sheba Medical Center in Israel, the hospital is caring for a group of quarantined patients that were on the Diamond Princess Cruise Ship in Japan. Though the 11

yahoo! finance

Sheba Medical Center Selects Datos Automated Remote C… Platform f… Coronavir… Telemedic… Program

Datos technology to help monitor and care for patients with symptoms of low severity in the safety and comfort of their own homes

TEL AVIV, Israel, Feb. 18, 2020 /PRNewswire/ -- Datos, a provider of a hospital-grade automated Remote Care platform, today announced that it has been selected by Sheba

mobihealthnews

Israel's Sheba Hospital turns to telehealth to treat incoming coronavirus-exposed patients

Newsweek

OPINION

IN ISRAEL, THE PANDEMIC IS A SLOW-MOTION CAR CRASH—AND THERE'S NO TELLING IN WHAT SHAPE OUR DEMOCRACY WILL EMERGE | OPINION

MARC SCHULMAN, NEWSWEEK COLUMNIST AND EDITOR OF HISTORYCENTRAL.COM

Thankfully, at the time of this writing there have been only one death in Israel. The Israelis convalescing at home are all being monitored using a system developed by Datos designed specifically to oversee patients with COVID-19. According to Uri Bettesh, CEO of Datos Health, they were able to implement their monitoring system with all of Israel's HMO's and the Health Ministry. Every one of Israel's at-home patients is being monitored via the Datos system. According to Betttesh, starting today, their system will also be deployed by Rochester Regional Health. However, implementing Datos' solution in America's fractured health system will be a challenge.

Forbes

EDITORS' PICK | 3,394 views | Mar 18, 2020, 06:00pm EDT

Israeli Startups Join The Fight Against Coronavirus

Gil Press Senior Contributor

Enterprise & Cloud

I write about technology, entrepreneurs and innovation.

Remote healthcare: Datos (an automated remote care platform, telemedicine solution for remote monitoring of coronavirus patients);

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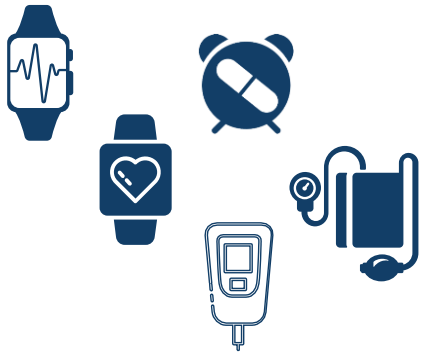
We have a comprehensive telemedicine technology

A full stack software platform that equips care teams to remotely manage complex clinical protocols, delivering personalized remote care at utmost operational efficiencies and dramatically reduced costs

WEARABLES & MEDICAL DEVICES



Agnostic integration both on the mobile and cloud level

PERSONALIZED PATIENT EXPERIENCE

SECURED & FLEXIBLE CLOUD PLATFORM

Datos

Protocol management, survey generation, and communication engine

PATIENT MANAGEMENT CONSOLE

Data visualization, alerts, reminders, survey configuration

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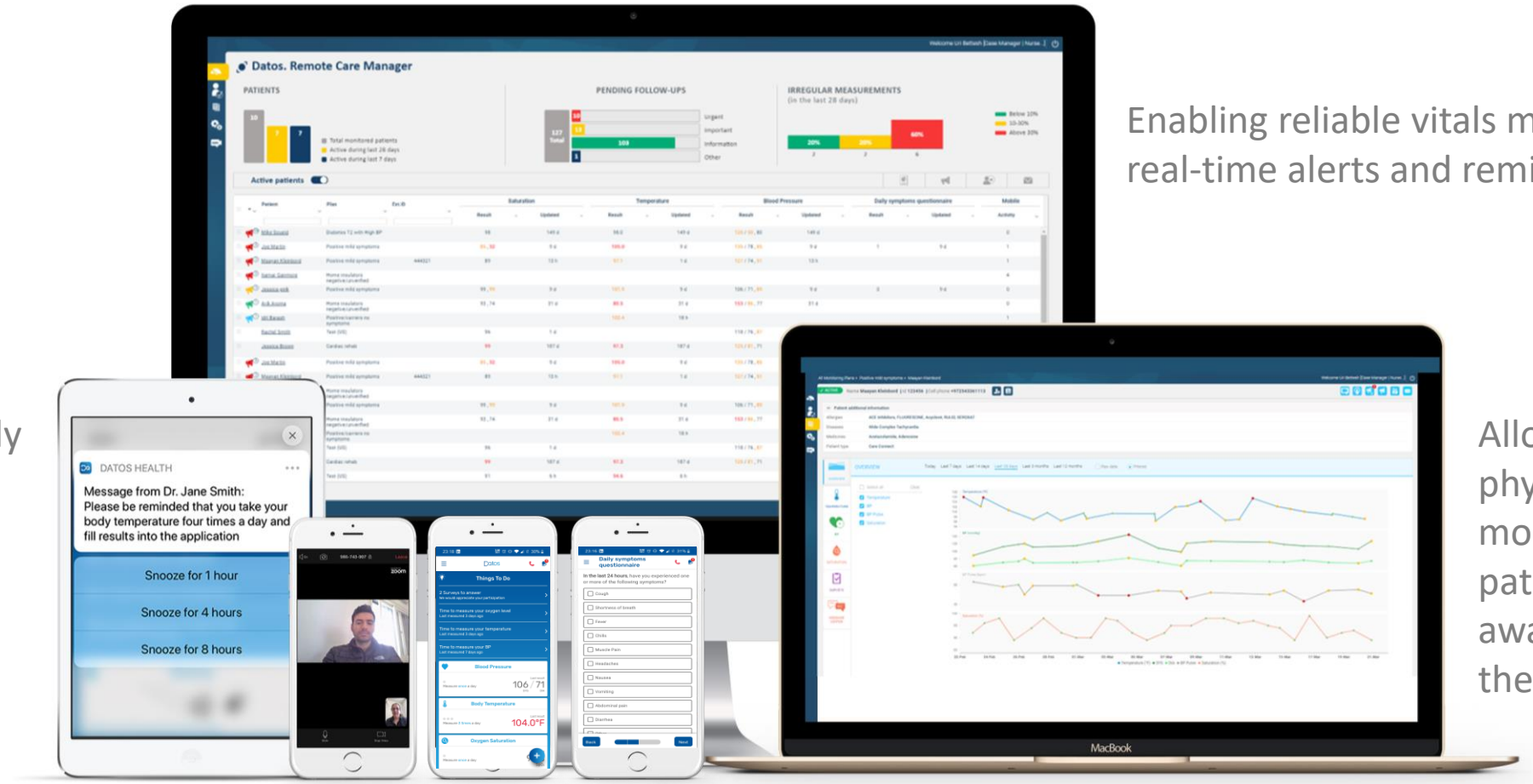
We connect patients with the care team

Delivering daily surveys for symptoms management



Enabling reliable vitals monitoring, real-time alerts and reminders

Allowing physicians to monitor patients", away from the hospital

Communicating with the home hospitalized patient whenever its needed

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Let us help your local hospital!
Contact us: info@datos-health.com
Or contact our strategic partner

strategic interests
Transforming Healthcare

Bill Lavoie, COVID Project Manager
blavoie@strategicinterests.com

THANK YOU

www.datos-health.com

Panel Discussion

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Bridgette Wiefling, MD
Senior Vice President Primary Care, Advanced Solutions Institute, Rochester Regional Health

Levi Shapiro
Founder, mHealth Israel

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