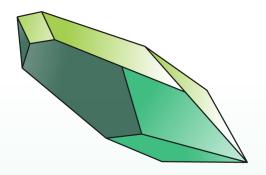# Healthcare Innovation Leaders Bootcamp
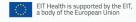
Fostering Innovation in Health Organizations
By the Israel Innovation Institute
November 25–29, 2019 | Tel-Aviv

ISRAEL INNOVATION INSTITUTE

HealthIL
Digital Health Community

eit Health

EIT Health is supported by the EIT,
a body of the European Union

About Me:

Currently:

Head of Digital Health, HealthIL

Previously:

VC @ Triventures

- Frequent lecturer/panelist on Digital Health
- Can Complete through the Wednesday issue of the NYT Crossword
- Horrible at Graphic Design

Discipline

What is the main "specialty" within healthcare innovation (aka "Digital Health") that *directly* relates to the defined challenge?

- ❏ Patient Engagement
- ❏ Infrastructure/Tools/Workflow
- ❏ Decision Support
- ❏ Adherence/Compliance
- ❏ Data Integration
- ❏ Imaging
- ❏ Telehealth
- ❏ Predictive Analytics

- ❏ Personalized Medicine
- ❏ Robotics
- ❏ Monitoring/Sensors
- ❏ Cyber/Security
- ❏ Retail Health
- ❏ Population Health Management
- ❏ Fitness/Wellness/Lifestyle
- ❏ Omics

- ❏ Other?

Discipline

What is the main "specialty" within healthcare innovation (aka "Digital Health") that *directly* relates to the defined challenge?

Example:

Challenge: Improving communication between healthcare organization and patients

Question:

What discipline is this?

What are the core technological components that are required to address your challenge?

- ❑ Sensors
- ❑ AR/VR
- ❑ AI/ML
- ❑ Cloud
- ❑ Blockchain
- ❑ Computer Vision
- ❑ NLP/Voice

- ❑ OCR
- ❑ Wearables
- ❑ IoT
- ❑ Big Data/Analytics
- ❑ Apps
- ❑ Hardware
- ❑ Other

Core Tech

What are the core technological components that are required to address your challenge?

Example:
Challenge: Improving communication between healthcare organization and patients

Question 1:
What are the core tech drivers?

Question 2:
Does this really require AI or ML?

Example 1

Challenge: Improving communication between healthcare organization and patients

The Problem

Although Deep Learning and AI have been disrupting a broad spectrum of industries, their adoption in healthcare has been comparatively slow. This is the direct result of lengthy expensive, and labor-intensive data access processes.

While researchers and companies are looking for easier ways to gain access to the data, hospitals are realizing its financial potential and are looking for better ways to monetize it.

The Company

Stage: Pre-Revenues, Seed
Industry: Healthcare IT
Number of Employees: 5
Market Size: Over $20B

WHAT WE DO

████████ is a **Federated Learning** solution for making medical data accessible for Data Science and AI.

External users can now access **real world, rich, unstructured data** in a secure sandboxed environment.

Secure, compliant, and privacy-preserving.

Example 1

Challenge: Improving communication between healthcare organization and patients

Question 1:
What are the relevant disciplines?

Question 2:
What are the core tech drivers?

Does this match the challenge?

Example 2
Challenge: Improving communication between healthcare organization and patients

██████████ rings the technology to keep patients informed, aware and engaged throughout their hospital stay. By connecting health organization with their patients and their loved ones, ████████ mpowers them throughout their treatment, improves the patient experience and the quality of care.

✓ Pre-admission check lists
✓ Clinical record access
✓ Notifications & reminders
✓ Secure messaging with care team
✓ My ward info
✓ Service ordering
✓ Relative updates
✓ Documents access (e.g. summaries, referrals, Rx)
✓ Patient education
✓ Patient Reported Outcome Measures (PROMS)
✓ Chatbot

Menu
- My Reports
- My Plans
- Order History
- Forms
- Schedule
- My Profile

Thomas Edward
Surgical Ward 34

SYSTEM MESSAGES
MY REMINDERS

Example 2

Challenge: Improving communication between healthcare organization and patients

Question 1:
What are the relevant disciplines?

Question 2:
What are the core tech drivers?

Does this match the challenge?

GROUP WORK!

F2F Meeting

Now the fun begins....

What you know...

> Discipline

> Core Tech

What you want to find out...

- Stage
- Regulatory Considerations
- Clinical Validation
- Product
- Workflow
- Implementation
- Impact
- And anything else

Now the fun begins….

You are looking for:
- Readiness
- Relevancy
- Reality