

Jumpstarting a FHIR Community in Israel

Roy Cohen, Israeli Ministry of Health



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Who am I?

- Roy Cohen
- Director, Research and De-Identification, Israeli Ministry of Health

- 4 HMOs, "insurer-providers"
 - Mandatory coverage
 - Government pays HMOs basic insurance, compensating for age and location
 - HMOs cover all residents, mandated by law
 - Clalit approx. 55% of residents
 - Maccabbee approx 23% of residents
 - Meuhedet approx 14% of residents
 - Leumit approx 8% of residents

- 4 HMOs, "insurer-providers"
 - Longitudinal data (digitized since 1990s, in some cases 1980s)
 - Spans all GP visits, many expert visits
 - Two largest HMOs use the same EHR vendor

- 30 General Hospitals
 - 11 government-owned
 - 8 Clalit-owned
 - 2 Maccabi-owned
 - 1 Meuhedet-owned
 - 8 private

- 30 Hospitals
 - A plurality of hospitals uses the same EHR vendor, Chamilion
 - Hospitals are somewhat centralized, approachable for innovators
 - Big hospitals (more than 500 beds) have innovation centers, often with academic collaboration

- Startups
 - More than 500 startups specializing in healthcare innovation
 - Collaborations on research and product innovation with hopsitals and HMOs
 - Innovation network organized by several NGOs, e.g. 8400, HealthIL
 - Massive interest in foreign markets, emphasis on US

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- Why?
 - Unclear messaging on standards from government
 - Difficulties telling apart FHIR from other HL7 standards
 - Incentive problem: high HMO loyalty among insured individuals
 - People in the room problem: IT, innovation/BD, strategy, management.

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 Big Tech
 - Gauged progress and interest
 - Listened to sought-after incentives, goals in adapting to FHIR
 - Looked for relevant use cases
 - Located expertise in the market

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 - Became a team of five

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 - Eventually, message from UK: a dedicated team is the best catalyst.

- First challenges
 - Creating buzz
 - Smaller healthcare organizations: can't be the first ones to initiate
 - Bigger healthcare organizations: won't initiate without funding
 - Government has to justify funding with a real need, especially in healthcare

- First solutions
 - External advisors
 - Firely, 1upHealth how to approach national adaptation? What are the timelines? What kind of talent is needed?

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 - Strategic partnership with nonprofit **8400**
 - Grassroots legitimacy
 - Flexibility



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 - Weekly meetings:
 - Funding
 - Case studies
 - Recruiting



- First solutions
 - MoH's Technical FHIR Team
 - Ministry-hired architect, project manager and data engineer/technical writer
 - Advise all the teams dealing with FHIR implementation in Israel
 - Write FHIR documentation (e.g. Profiles) for the Israeli community

- First solutions
 - MoH's Technical FHIR Team
 - International advisors
 - Workshops: business, implementation, development
 - Bespoke organization consulting

- First solutions
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 - International advisors
 - RFP
 - Allocate \$70K USD to each project, enough for a part-time 2 person team
 - Goals
 - Encourage healthcare orgs to bring up their pain points
 - Reflect the value immediately
 - Low-risk funding, is it enough?

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 - Digital platforms
 - Chat.fhir
 - Confluence
 - Website

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 - Workshops and meetings
 - Tech and business side workshops
 - Use case workshops
 - Ongoing face-to-face meetings with aspring FHIR leaders
 - New recruit: community manager

- Regulation
 - Value, timing, risks.
 - Who is being regulated?
 - Healthcare organizations
 - Traditional EHR vendors
 - Other third party companies, incl. Startups

FHIR Adaptation: the opportunities in Israel

- External players who are FHIR savvy, interested in a dynamic ecosystem
- Developers, architects, data engineers with experience in FHIR adaptation

Contact

- During DevDays, you can find / reach me here:
 - Via Whova App Speaker's Gallery
 - roy.cohen@moh.gov.il
 - yoel.benor@moh.gov.il

Thank you! Q&A

