

# Digital Health Innovation Manager Delegation

*Israeli Innovation Manager coming to the GIHF-AI Conference & the Big Bang Health in Essen, September 5 - 7, 2023*

 *Click on the logos for more information*



**Assuta Samson University Hospital** is one of Israel's leading public hospitals serving Israel's southern communities. The hospital features all clinical disciplines along with excellent R&D and a vibrant Medical Innovation department. Building the new hospital of the future requires development of new technology tools and new digital health platforms. Developing these tools requires a laboratory environment to be able to develop and test these tools. This laboratory environment needs to simulate the real physicians, the real patients, and the real hospital environment. The **Assuta Ashdod Medical Sandbox (AMS)** is a unique platform for evaluation of new and innovative technologies in real hospital environment that can be incorporate to the futuristic hospital.

With AMS, technology developers have access to real medical center databases and infrastructures along with real patients and real physician experiences.

AMS will be comprised of three major components allowing for the development, test and analysis of new medical technologies in a true medical care environment with feedback from a real medical team:

- A highly technologically advanced internal medicine department equipped with high-end recording devices (cameras, sensors, and recording equipment).
- Smart dashboards that are available to the medical teams, and a secure virtual research room for the developers and researchers. This includes access to all the hospital's medical, logistic and administrative data to optimize decision-making.
- A remote resident simulates the patient's home, allowing continued care at a hospital level while allowing the patient to return "home" and remain under full hospital supervision.



THE EDITH WOLFSON  
University Medical Center



inno@wolfson

**The Research & Innovation Authority at Wolfson Medical Center** drives innovation, advance medical care, and contribute to the scientific ecosystem and public health. We strive to facilitate groundbreaking research and innovation that transforms healthcare by:

- Lead development of innovation ecosystem and digital health solutions
- Expand strategic collaborations with companies, research groups, entrepreneurs
- Drive smart hospital initiatives - AI, 5G, data security
- Enhance medical education through simulation lab and health outreach
- Implement advanced personalized technologies in imaging, surgery, bio-banking
- Encourage partnerships and ideas to advance health
- Transform healthcare through groundbreaking research and innovation

המרכז הרפואי  
**שערי צדק**  
SHAARE ZEDEK  
MEDICAL CENTER



מדעית שערי צדק  
SHAARE ZEDEK SCIENTIFIC



**Shaare Zedek Scientific (Madait)** is a subsidiary company of **Shaare Zedek Medical Center**, Jerusalem's fastest-growing major medical center that annually handles over 1,000,000 medical cases. Shaare Zedek Scientific was established to foster partnerships between commercial enterprises, startups, and the medical center.

Our mission is to facilitate swift and effective collaboration to enhance patient care worldwide.

With a robust track record of over 600 annual agreements, successful Technology Transfer Offices (TTO unit), and numerous ongoing R&D initiatives, Shaare Zedek Scientific stands as an emerging force within the Israeli healthcare ecosystem. Our latest advancement includes a state-of-the-art innovation center dedicated to digital health and technological beta-site validation. It is equipped with cutting-edge data accessibility tools such as cloud-based virtual rooms, automatic image anonymization software, and an internal unique search engine linked to our EMR system. With our highly trained data scientists, senior IT staff, and clinical support team, big clinical data and medical imaging projects can be quickly initiated.



**Meuhedet Health Services** is one of the four Israeli HMOs\*, offering community healthcare to 1.3 million patients. The primary focus of the Clinical Quality Department is to equip our medical teams with essential data, enabling them to adhere to clinical guidelines effectively. This entails the integration of diverse systems, refinement of directives and protocols, and streamlining of workflow procedures. Collaboration among various medical stakeholders is crucial. To ensure the utmost reliability and accessibility of data, active involvement is required in processes such as terminology and interoperability projects, integrating new and legacy systems, as well as developing patient team management systems for comprehensive care. Meuhedet's research institute harnesses Meuhedet's databases for research purposes. These databases contain information from 1.3 million patients spanning over 20 years. We possess extensive expertise in conducting comprehensive big-data medical studies, both independently and in partnership with other healthcare providers, universities, and industry stakeholders.



The **Israeli Family Medicine Association** comprises approximately 1,300 primary care physicians. The association's goals involve various aspects, including medical education with mentorship, rural medicine development, financial support for research and its presentation at conferences, and issuing position papers and guidelines. The association also engages in partnerships with family medicine associations.

In January of this year, a task force for information technologies in family medicine was established within the association. The goal is to create a body of knowledge that represents the needs of family physicians in these fields, to address ethical, educational, and operational aspects of information technologies in family medicine, and to draft position papers and clinical guidelines on the subject. We intend to work in collaboration with HMOs, the Ministry of Health, and with commercial companies. Currently, there are 30 members in the group: leading family physicians in areas such as medical education, research, ethics, management, and innovation. Similar to other medical technologies, it's important for family physicians that new information-based technologies demonstrate not only accuracy but also proven clinical net benefit.

\*health maintenance organizations



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מרכז הדסה למחקר  
וחדשנות בסייעות  
Research & Innovation Center, in Nursing  
By Nurses, for Nurses, for patients

The **Research and Innovation Center in Nursing** at **Hadassah Medical Center** stands as the first and only center of its kind in Israel, dedicated to fostering nursing innovation by nurses, for nurses, and for our patients.

We achieve this by harnessing and leveraging the value of our assets, knowledge, experience, and clinical data to create a valuable and profound reservoir of resources for succeeding.

In practice, we collaborate with startups, develop algorithms, identify unmet needs, co-create solutions with entrepreneurs, and engage in various initiatives.

Our ongoing mission is to drive forward nursing innovation - **EntreNursing** - as an integral part of the international health-tech ecosystem.



Innovating Health, Together

**Leumit Start** is the innovation and digital health unit of **Leumit Health Services** (one of the four Israeli HMOs\*). We believe that innovation in healthcare is the most effective way to improve quality of care, operational processes, physician to patient ratio, and as a result create a more efficient and sustainable healthcare system. Thus, we aim to encourage innovation in the HealthTech industry by supplying responsible and agile access to a variety of services. These services include: Design partnership, high quality clinical EMR data, clinical consultancy and clinical trial fields. Since 2018 we've met hundreds of companies: startups, academic institutions, tech giants and pharmaceutical companies. We collaborated with tens of them on various interesting and groundbreaking researches. Some of these solutions are fully deployed today at Leumit Health Services.

**Data Research**

Leumit holds 20 years of electronically documented medical records in our EMR, with more than 9.2 million visits per year + 1.5 million nursing visits per year. The data is de-identified and ready for research in our virtual research rooms. We also supply access to unstructured data such as: free text, ECG, cardio holters, x-ray, US and mammography. In the next month we're about to launce our Pay & Research platform – a self-service portal, where anyone can sign up, authenticate themselves, pay online an affordable price, and receive almost instant access to a Virtual Research Room containing synthetic dataset for about 180,000 patients' health information.

\*health maintenance organizations



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#GINSUMDelegation2023