



MORNING HEALTH TALKS

workshop

10.9.2020 / 10.00-12.00.

EKT / ATHENS / Online

Artificial Intelligence & Big Data in Health

Learning from the pioneers



Health



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



NATIONAL DOCUMENTATION CENTER

Morning Health Talks:

AI & Big Data in Healthcare

Georgios Megas

Athens 10.09.2020



EKT has supported more than **60 Startups** to apply to EIT Health **Acceleration** programmes

12 Startups have been funded or accepted to EIT Health Acceleration programmes

& many more have reached the final stages



Greek & Cypriot companies selected in EIT Health acceleration programmes



MyHabeats



Synoesis



ADVANTIS
MEDICAL IMAGING



<http://www.ekt.gr>

EKT has supported more than **150 Students** to apply to EIT Health **Education** programmes

65 Students & postgraduates participated in the

HELLOAIRIS programme in 2020

Provided by GE Healthcare, KTH & LEITAT

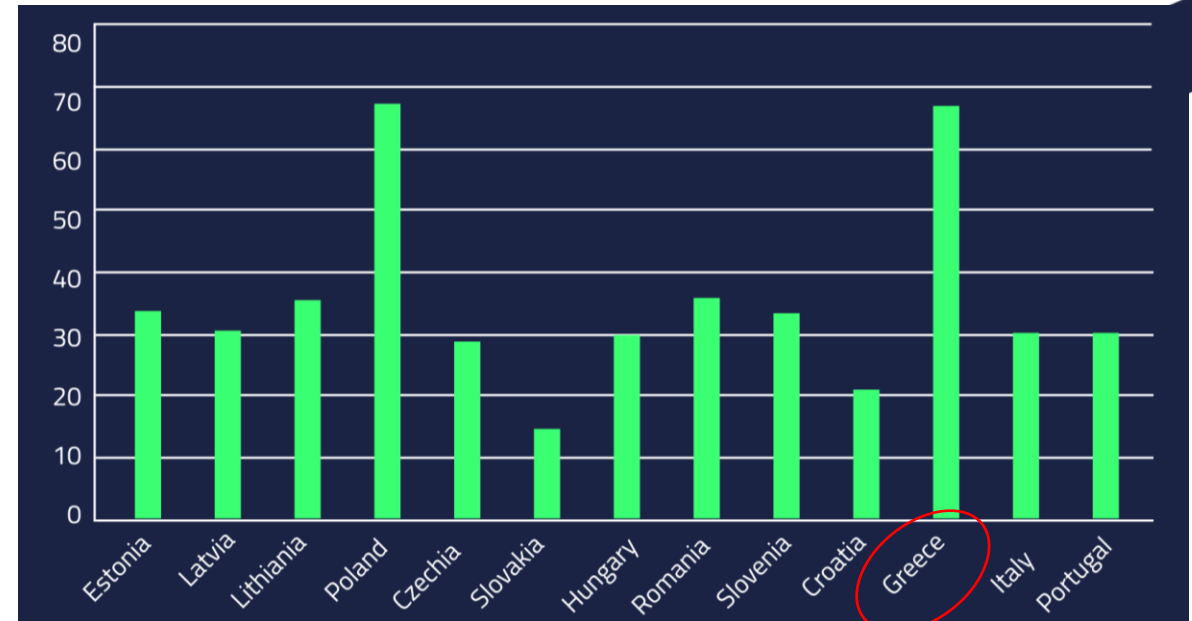
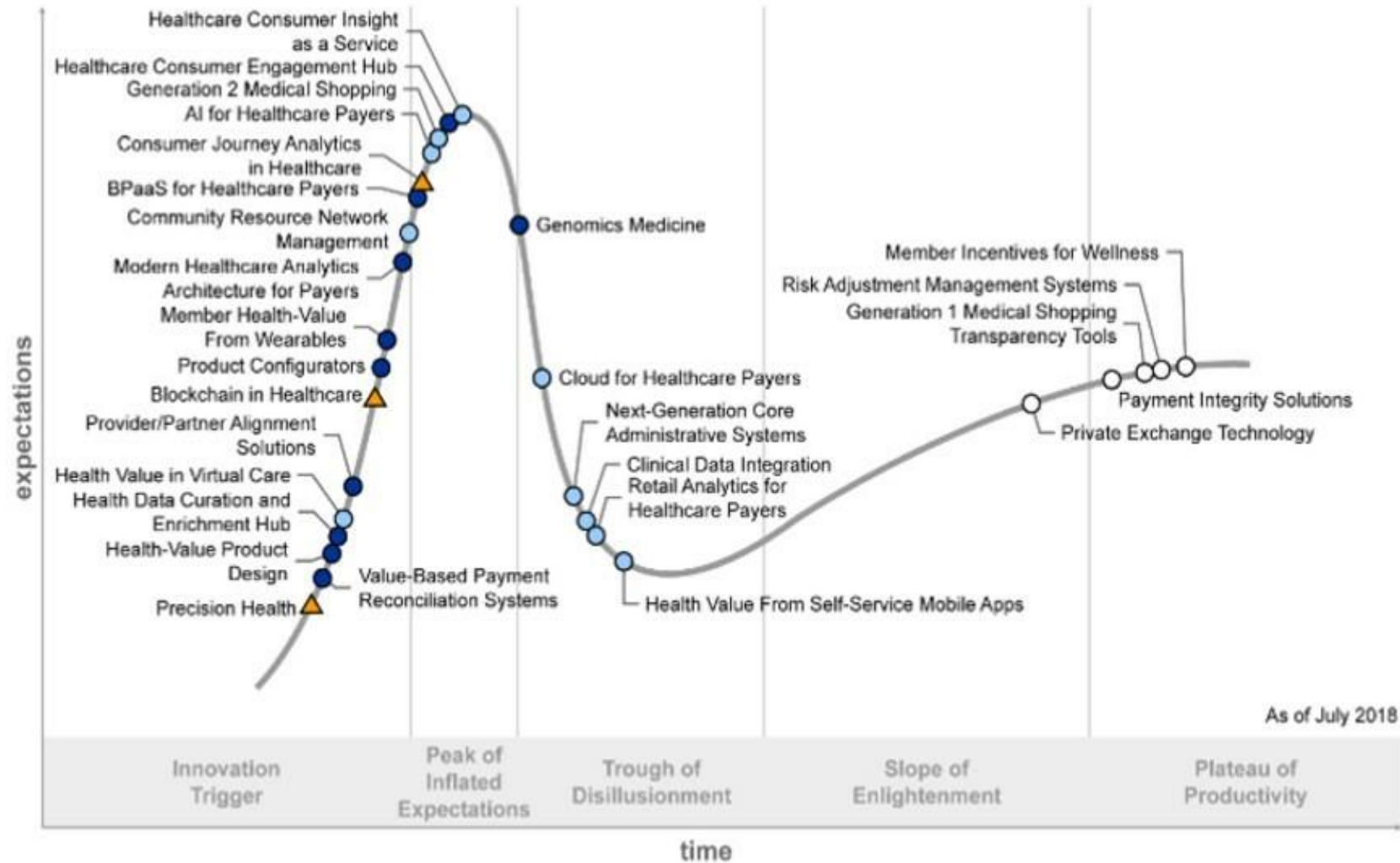


Figure 1. Hype Cycle for U.S. Healthcare Payers, 2018



As of July 2018

Plateau will be reached:

- less than 2 years
- 2 to 5 years
- 5 to 10 years
- ▲ more than 10 years
- ⊗ obsolete before plateau

© 2018 Gartner, Inc.

Source: Gartner (July 2018)



Top Trends Affecting the Healthcare Industry: Gartner

Are you ready for the new trends?

The Gartner Institute asked **Strategy Officers** in various American Healthcare providers to rate the most important trends in the sector based on 3 criteria

Impact: How much each trend will affect them over the next 12 months

Velocity: How quickly the impact of each trend will be felt

Organizational readiness: How confident they are about their organizations' ability to cope with each trend

Αναδυόμενες τάσεις στην Υγεία: Gartner

Less ready for

1 The Consolidation of the Healthcare system in USA will increase

Only 22% of the organisations was ready to deal with this trend within 12 months



Higher Impact

2 Big Data will provide information and Insights with higher actionability for the decision makers

Within a scale from 1-7, 1 having the higher impact, Strategists believe that this trend will have the higher impact



Fastest coming trends

3. U.S healthcare payment model alternatives will continue to expand(e.g. value-based payment models)

4 Focus on preventative care wil continue to increase

Strategists say their organisations will feel the impact of these trends in less than 3 months (in the end of 2019)

Greatest Opportunity/Threat

5 Consumers increasingly expect tailored messaging

Focus on personalised customer experience will increase (e.g. patient-centered care)

<https://www.gartner.com/en/innovation-strategy/trends/emerging-trends-barometer-healthcare>



Smart Health Trends:

-Internet of Medical Things

-Secured and anonymised patient data

-Real time remote interaction and 5G



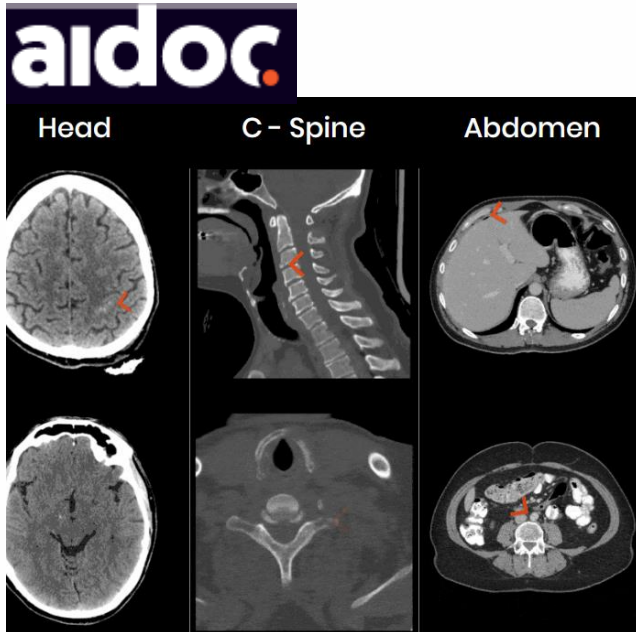
StethoMe: Examine yourself without leaving your home and send the results to your doctor, who then decides what to do next.



FibriCheck: A world first – FibriCheck app automatically detects both silent and intermittent atrial fibrillation at night, dramatically reducing the risk of stroke in 40-plussers.

Smart Health Trends:

- AI supported medical imaging interpretation
- Connected Hospitals of the future
- Cloud Designed health ERP



Funding: **\$41.5M**



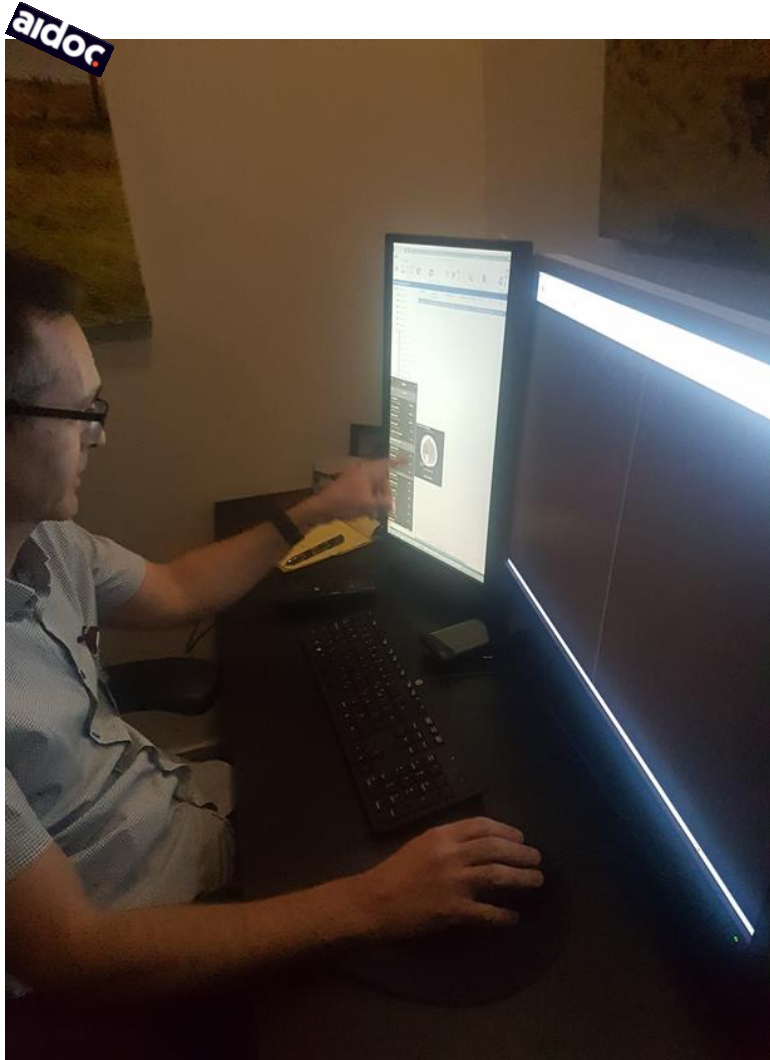
Other:

- Printed Surgical Implants
- Genetic Medicine
- Precision Medicine



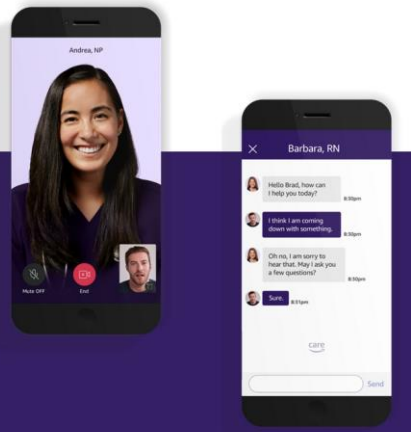
Sheba Hospital – ARC Accelerate Redesign Collaborate

EITHealth CLC Visits December 2019




Smart Health Trends:

Connect with a clinician in the app



Get in-person follow-up care and prescription delivery



Experience Amazon Care, a new benefit being piloted for Amazon employees and their families in the Seattle area.

[Learn more about Amazon Care](#)

PHILIPS

Seamless radiology



virtual and in-person care, with telemedicine via app. **Amazon** also acquired **PillPack** last year, an online pharmacy startup, for around \$753 million

*Google partnered up with the **Ascension** hospital network And acquired **fitbit**!*



Enterprise Europe Network: The biggest Network in the world supporting the Internationalisation of SMEs

enterprise
europe
network



3.000

Experts



600+

Regions



60+

Countries



Business Support on Your Doorstep



ΕΘΝΙΚΟ ΚΕΝΤΡΟ ΤΕΚΜΗΡΙΩΣΗΣ
& ΗΛΕΚΤΡΟΝΙΚΟΥ ΠΕΡΙΕΧΟΜΕΝΟΥ



Business Support on Your Doorstep



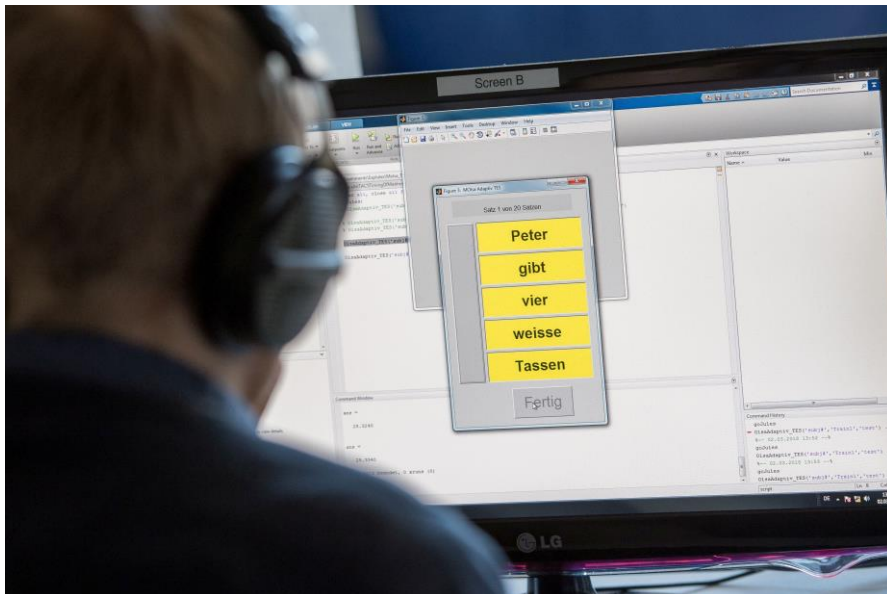
Business & innovation database

<http://www.enterprise-hellas.gr/el/vreite-synergasies>

Brain stimulation for people suffering from hearing impairment invented by a German Univ.

POD Reference TODE20181130001

Hearing instrument manufacturers are sought for further development under technical cooperation or research agreement aiming at a license agreement.



Russian developer of assistive devices seeks foreign distributors as well as partners to set up a joint venture

POD Reference BORU20190316002



THE

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Horizon Europe

THE NEXT EU RESEARCH & INNOVATION PROGRAMME (2021–2027)

#HorizonEU



INATION

20

Research and Innovation

What is Horizon 2020 & Horizon Europe

Pillar 1 Excellent Science

European Research Council

Marie Skłodowska-Curie
Actions

Research Infrastructures

Pillar 2 Global Challenges and European Industrial Competitiveness

Clusters

- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre

Pillar 3 Innovative Europe

European Innovation Council

European innovation
ecosystems

European Institute of
Innovation
and Technology

Widening Participation and Strengthening the European Research Area

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system

#EU_eic



eic European **INNOVATION** Council

fight COV19 with fast tracked

Accelerator funded projects

European Innovation Council Accelerator pilot

Proposals submitted | Cut-off 20 March 2020



3968

Proposals
in total



1000+

Fighting against
COVID-19



+110%

Applications
received



1/4

SMEs
Requested
Equity &
Grant



45

Countries

Timing

Interviews 4-8 May
Results Mid-May



Accelerator-SME Instrument Blended (Grant + Equity)

- **Individual SMEs** targeting new market with high-risk, high-growth potential
- **Bottom up:** all sectors
- Single template for 2 option | if you are requesting Equity you need to complete extra forms for the due diligence process
- **Grant € 0,5- € 2,5 mi.** (funding rate 70%)
 - All activities including commercialisation
 - **12-24 months (TRL > 6)**
- **Equity:**
 - Up to €15 million, EC % < 25%
 - Activities **above TRL 8 (mature solutions)**



2020 – Focus Area: Startup Acceleration support

Health.il TLV CLC Visit 2019

NVIDIA – EKT



nvidia.
INCEPTION PROGRAM

NVIDIA INCEPTION PROGRAM

Propelling AI startups with powerful GPU tools, tech, and deep learning expertise.

The graphic features a green background with a white rocket launch illustration on the right side. The NVIDIA logo and "INCEPTION PROGRAM" text are in the top right corner. The main title "NVIDIA INCEPTION PROGRAM" is in large white letters, followed by the tagline "Propelling AI startups with powerful GPU tools, tech, and deep learning expertise." in smaller white letters.

Speakers



Monika Toth

*Programme Manager, Regional
Innovation Scheme, EIT Health*



Liron Freind-Saadon

*Director of Healthcare, NVIDIA
Israel*



Dr Gal Noyman Veksler

*V. President of Business Dev., Data
Science Group Israel*



Dr Vasileia Chatzistergiou

*Ophthalmology Resident at Centre
ophthalmologique de Rive, Geneva*



Dr Haralampos Karanikas

*Prof. Computer Science &
Biomedical Inf. Univ. of Thessaly*



Dr Dafoulas Georgios

*Clinical Research Fellow, Faculty of
Medicine, University of Thessaly*



Dr Spyros Arsenis



George Megas



Thank you !

Let's see what is happening in Israel..

George Megas

EITHealth HUB Greece - Coordinator

H2020 National Contact Point

Startup Europe for Growth – STARTUP3

National Documentation Center

megas@ekt.gr

210 7273921

www.eithealth.eu | info@eithealth.eu

