Collective wisdom driving public health policies

Fact Sheet

Project Information

CrowdHEALTH
Grant agreement ID: 727560

Funded under H2020-EU.3.1.5.

Start date 1 March 2017
End date 29 February 2020

Overall budget € 5 333 300

EU contribution € 4 999 550

Coordinated by ATOS SPAIN SA Spain

Objective

Today’s rich digital information environment is characterized by the multitude of data sources providing information that has not yet reached its full potential in eHealth. CrowdHEALTH will introduce a new paradigm of Holistic Health Records (HHRs) that include all health determinants. HHRs will be transformed into Social HHRs communities capturing the clinical, social and human context of the population segmentation and as a result the collective knowledge for different factors depending on the communities formulation criteria (e.g. demographics, diseases, lifestyle choices, nutrition, etc). CrowdHEALTH will deliver a secure integrated ICT platform that seamlessly integrates big data technologies across the complete data path, providing of Data as a Service (DaaS) to the health ecosystem stakeholders. CrowdHEALTH will develop policy modeling techniques to facilitate the inclusion of Key Performance Indicators (KPIs) in policies and the correlation of these KPIs both with all health determinants captured in HHRs and with information from other domains towards a “health in all policies” approach. Creation and co-creation (cross-domain) of policies will be feasible through a rich toolkit, which will be provided on
top of the DaaS, incorporating mechanisms for causal and risk analysis, as well as for compilation of predictions. Through the toolkit, multi-modal targeted policies addressing various time scales (long- / short-term), locations (area, regional, national, international), populations, and evolving risks will be realized. CrowdHEALTH will facilitate policies evaluation (on complete policy and per-KPI levels) and optimization through adaptive and incremental visualizations of simulations and outcomes of evidence based analysis of prevention strategies. CrowdHEALTH will collect data and will be validated through 5 pilots addressing different environments (care centers, social networks, public environments, living labs, diseases monitoring).

Field of science

/medical and health sciences/health sciences/public and environmental health
/natural sciences/computer and information sciences/data science/big data

Programme(s)

Topic(s)

Call for proposal

H2020-SC1-2016-CNECT

Funding Scheme

RIA - Research and Innovation action

Coordinator

ATOS SPAIN SA

Address

Calle De Albarracin 25
28037 Madrid
Spain

Activity type

Private for-profit entities
(excluding Higher or Secondary Education Establishments)

EU contribution

€ 403 750

Website

Contact the organisation
Participants (19)

**ENGINEERING - INGEGNERIA INFORMATICA SPA**
- Italy
- EU contribution: € 306 250
- Address: Piazzale Dell'agricoltura 24, 00144 Roma
- Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

**SIEMENS SRL**
- Romania
- EU contribution: € 278 750
- Address: Bdul Preciziei 24 Imobil H3, Etaj 3-5 Sector 6, 062204 Bucuresti
- Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

**SINGULARLOGIC CYPRUS LTD**
- Cyprus
- EU contribution: € 273 750
- Address: Kyrillou Loukareos 70, 4156 Kato Polemidia Limassol
- Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

**ETHNIKOS ORGANISMOS PAROCHIS YPIRESION YGIAS**
- Greece
- EU contribution: € 145 312,50
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BIOASSIST SA

Greece

€ 225 000

Address
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265 04 Rio

Activity type
Private for-profit entities
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INFORMATION CATALYST FOR ENTERPRISE LTD

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CARE ACROSS LTD

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LEANXCALE SL
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INSTITUT JOZEF STEFAN

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ASSOCIATION EUROPEAN FEDERATION FORMEDICAL INFORMATICS
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TAIPEI MEDICAL UNIVERSITY FOUNDATION*TMU
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Last update: 24 September 2020