

HORIZON
2020

Early risk detection and prevention in ageing people by self-administered ICT-supported assessment and a behavioural change intervention delivered by use of smartphones and smartwatches

Fact Sheet

Project Information

PreventIT

Grant agreement ID: 689238

[Project website](#) 

DOI

[10.3030/689238](https://doi.org/10.3030/689238) 

Project closed

EC signature date

10 November 2015

Start date

1 January 2016

End date

31 March 2019

Funded under

SOCIETAL CHALLENGES - Health, demographic change and well-being

Total cost

€ 4 607 950,00

EU contribution

€ 4 000 000,00

Coordinated by

NORGES TEKNISK-
NATURVITENSKAPELIGE
UNIVERSITET NTNU



Norway

Objective

Lifestyle, disease and biology put older people at risk of functional decline, leading to falls, cognitive impairment, frailty, and negative consequences for quality of life.

PreventIT will develop and test an ICT based mHealth System (iPAS) for the consumer market that 1) enables early identification of risk of age-related functional decline, and 2) engenders behavioural change in younger older adults in order to adopt a healthy, active lifestyle. We will use an integrated system of a smartphone/watch as frontend technology and a protected cloud-based solution for handling of personal data as backend technology. We will develop online instruments for risk-screening, complexity metrics, motivation for behavioural change, and a method for personalise exercise by phenotype, based on currently available big data sets. The ICT based intervention we develop is unique, delivered on a smartphone/watch with exercise integrated in daily life and a behaviour change programme. We will evaluate the role of technology and behavioural change theories in risk prevention by performing a multinational feasibility RCT to compare with the same intervention without use of technology and with practice as usual. Usability and feasibility will be in focus, and ageing people will be included in all phases of the project. At the end of the project all assessment and intervention components will be integrated into a personalised self-administered activity system, designed to empower ageing people to control their own health and function. A microsimulation health economics model will be developed to predict effects of our risk prevention intervention on carers and the health care system. PreventIT will be performed by a strong interdisciplinary team with previous impact in the field of ageing and ICT, and commercial partners who are strong on technology development and exploitation are included to increase the chances for iPAS to become a first choice mHealth system for the ageing generation.

Fields of science (EuroSciVoc)

[natural sciences](#) > [computer and information sciences](#) > [databases](#)

[natural sciences](#) > [computer and information sciences](#) > [data science](#) > [big data](#)

[engineering and technology](#) > [electrical engineering](#), [electronic engineering](#), [information engineering](#) > [electronic engineering](#) > [sensors](#)

[engineering and technology](#) > [electrical engineering](#), [electronic engineering](#), [information engineering](#) > [information engineering](#) > [telecommunications](#) > [mobile phones](#)

[social sciences](#) > [economics and business](#) > [economics](#) > [health economics](#)



Programme(s)

[H2020-EU.3.1. - SOCIETAL CHALLENGES - Health, demographic change and well-being](#)

MAIN PROGRAMME

Topic(s)

[PHC-21-2015 - Advancing active and healthy ageing with ICT: Early risk detection and intervention](#)

Call for proposal

[H2020-PHC-2014-2015](#) 

[See other projects for this call](#)

Sub call

H2020-PHC-2015-single-stage

Funding Scheme

[RIA - Research and Innovation action](#)

Coordinator



NORGES TEKNISK-NATURVITENSKAPELIGE UNIVERSITET NTNU

Net EU contribution

€ 1 087 763,75

Total cost

€ 1 087 763,75

Address

HOGSKOLERINGEN 1

7491 Trondheim

 **Norway** 

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Participants (8)



ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA

 Italy

Net EU contribution

€ 378 093,75

Address

VIA ZAMBONI 33
40126 Bologna 

Region

Nord-Est > Emilia-Romagna > Bologna

Activity type

Higher or Secondary Education Establishments

Links

- [Contact the organisation](#) 
- [Website](#) 
- [Participation in EU R&I programmes](#) 
- [HORIZON collaboration network](#) 

Total cost

€ 378 093,75



STICHTING VU

 Netherlands

Net EU contribution

€ 699 022,50

Address

DE BOELELAAN 1105
1081 HV Amsterdam 

Activity type

Higher or Secondary Education Establishments

Links

- [Contact the organisation](#) 
- [Website](#) 
- [Participation in EU R&I programmes](#) 
- [HORIZON collaboration network](#) 

Total cost

€ 699 022,50



ROBERT BOSCH GESELLSCHAFT FUR MEDIZINISCHE FORSCHUNG MBH

Germany

Net EU contribution

€ 665 325,00

Address

AUERBACHSTRASSE 112
70376 Stuttgart

Region

Baden-Württemberg > Stuttgart > Stuttgart, Stadtkreis

Activity type

Research Organisations

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 665 325,00



THE UNIVERSITY OF MANCHESTER

United Kingdom

Net EU contribution

€ 421 305,00

Address

OXFORD ROAD
M13 9PL Manchester

Region

North West (England) > Greater Manchester > Manchester

Activity type

Higher or Secondary Education Establishments

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)

Total cost

€ 421 305,00



AZIENDA UNITA' SANITARIA LOCALE TOSCANA CENTRO

 Italy

Net EU contribution

€ 132 588,75

Address

PIAZZA SANTA MARIA NUOVA 1

50122 Firenze 

Region

Centro (IT) > Toscana > Firenze

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 132 588,75



ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE

 Switzerland

Net EU contribution

€ 0,00

Address

BATIMENT CE 3316 STATION 1

1015 Lausanne 

Region

Schweiz/Suisse/Svizzera > Région lémanique > Vaud

Activity type

Higher or Secondary Education Establishments

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 607 950,00



DOXEE SPA

Italy

Net EU contribution

€ 350 901,25

Address

VIALE VIRGILIO 48/B
41123 MODENA

SME

Yes

Region

Nord-Est > Emilia-Romagna > Modena

Activity type

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

Links

- [Contact the organisation](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 350 901,25



HEALTH LEADS BV

Netherlands

Net EU contribution

€ 265 000,00

Address

PLANTAGE MIDDENLAAN 62
1018 DH AMSTERDAM

SME 

Yes

Region

West-Nederland > Noord-Holland > Groot-Amsterdam

Activity type

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

Links

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[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 265 000,00

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European Union, 2025