

# **European Innovation Partnership on Active and Healthy Ageing**

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# **European Innovation Partnership** on Active and Healthy Ageing

- Why?

- What?

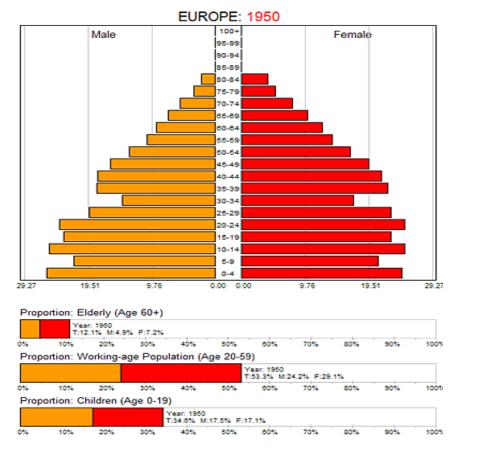
- How?

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devices innovation people stakeholders societal.

Active elderly HealthyAgeing services win active elderly HealthyAgeing services win active elderly HealthyAgeing services win businesses challenge health integration businesses challenge added co-creation European processes Partnership social independent Innovation streamline public healthcare innovation-value-chain innovative older
```



## The Challenge of an Ageing society







# Innovation Union – addressing societal challenges

One of 7 flagship initiatives of the Europe 2020 strategy

## To ensure that innovative ideas can be turned into products and services that create growth and jobs

- •European Innovation Partnership (EIP), new method of collaboration
- •EIP on Active and Healthy Ageing first pilot





# **European Innovation Partnership** on Active and Healthy Ageing

- Why?

- What?

- How?



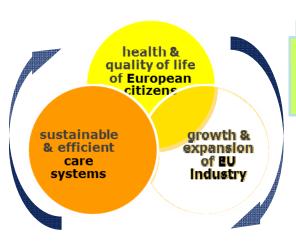


# **European Innovation Partnership on Active & Healthy Ageing**



#### **Specific Actions**

## +2 Healthy Life Years by 2020







Improving prescriptions and adherence to treatment



Better management of health: preventing falls



Preventing functional decline & frailty



Integrated care for chronic conditions, inc. telecare



ICT solutions for independent living & active ageing



Age-friendly cities and environments



# **European Innovation Partnership** on Active and Healthy Ageing

- Why?

- What?

- How?





## **Innovative Collaboration**

## crosscutting, connecting & engaging stakeholders across sectors, from private & public sector



neither funding nor legislative instrument

- Joining up resources and expertise

  Input to policy making, collection of experience, evidence
- Direct collaboration with regions and local communities

  Speed up the innovation process
- Facilitating scaling up and multiplying

  Bottom up process based on evidence-base and real-life tested ideas

  Focus on feasibility and scalability of innovative solutions
- Fostering synergies
   Coordinating efforts towards a common objective
   EC as facilitator and guarantor of delivery of main objectives



## **Ways of involvement**

## **Action Groups**

Active partners submitted a commitment to work together towards one of the Specific Actions of the Partnership

### **Reference Sites**

Regions, health providers working across priorities – repository of good practices

## **Marketplace for Innovative Ideas**

Online collaboration – open for everybody



## **Action Groups**



Improving prescriptions & adherence to treatment



Better management of health: preventing falls



**Preventing functional decline & frailty** 



Integrated care for chronic conditions, inc. telecare



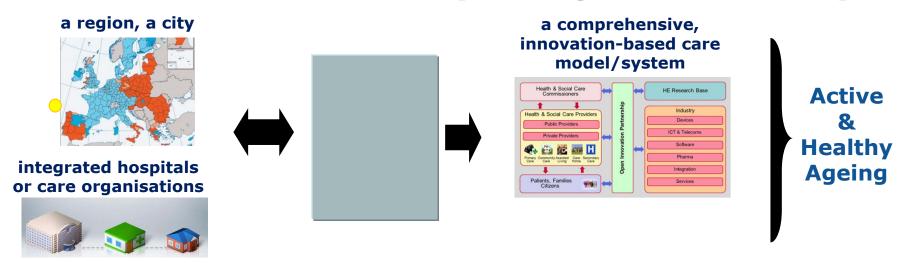
ICT solutions for independent living & active ageing



**Age-friendly cities and environments** 



## Reference Sites - Concept, objectives, scope



## **Objectives of the EIP Reference Sites**

- ✓ excellent examples of cost-effective and efficient good practice & impact on the ground
- ✓ scalability, transferability and replicability across Europe when there is clear need for care systems modernisation
- √ dissemination of good practices e.g. the couching and training of other regions/care systems
- ✓ a tool to reduce inequalities in lagging behind regions in terms of health and care outcomes



## **Marketplace for Innovative Ideas**

- online collaborative platform
- open for everybody
- sharing of ideas, good practices,
- learning from each other
- meeting and networking
- accessing robust data and evidence, etc.





## **Progress EIP on AHA**

### EIP on AHA Process

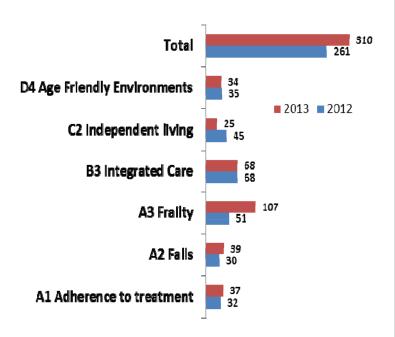
The EIP on AHA process will monitor different aspects: the involvement of stakeholders, the creation of synergies, knowledge transfers and the absorption of innovation by the health systems, and the added value for the participating organisations.

### EIP on AHA Outcome

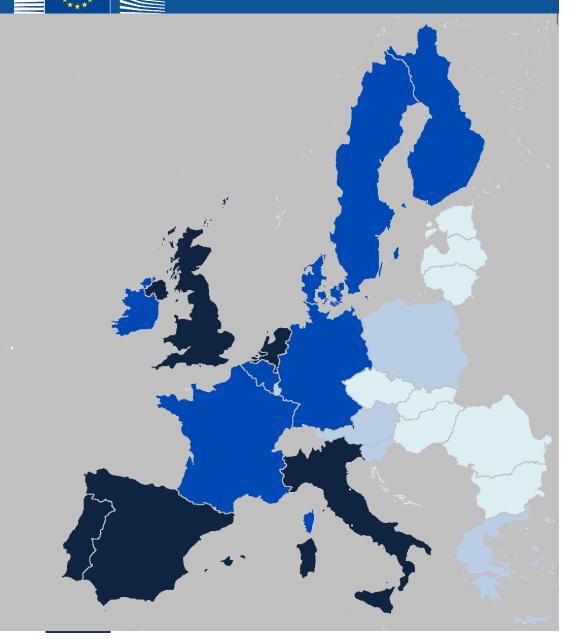
Monitor activities and outcomes of the action groups at action group level and from commitments



## **Stakeholder commitments**

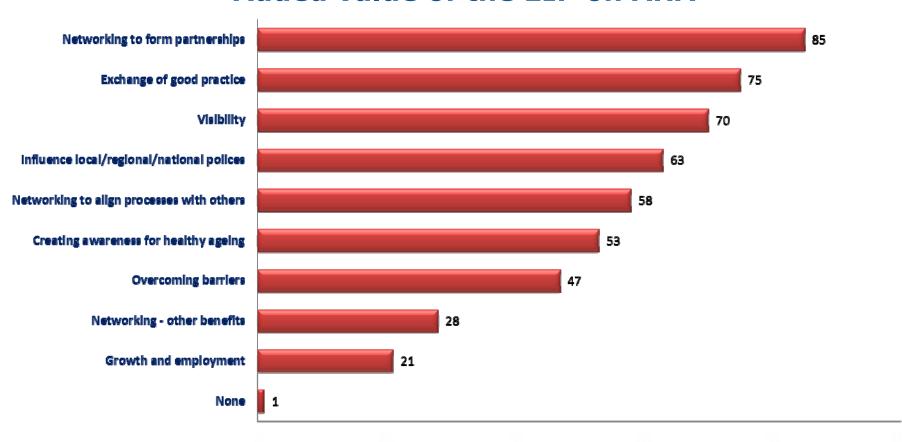








## **EIP on AHA Process Added value of the EIP on AHA**

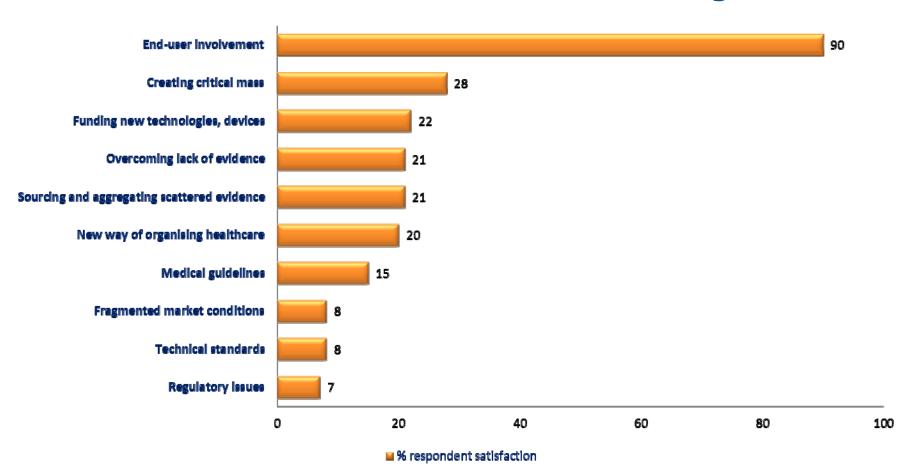


■ % respondent satisfaction

Based on results of the Survey on process indicators, prepared by the EC, with input of 107 respondents out of 261 asked



## EIP on AHA Process Added value of the EIP on AHA: Overcoming barriers







### **EIP on AHA Outcome**

HLY At birth +2 Healthy Life Years

Triple Win

Quality of Life

Sustainability of Care

Innovation-based Competitiveness

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Establish the link  $\uparrow$ 

**Outcome** indicators

#### Outcome indicators e.g:

- Less social isolation
- Decline in hospital bed days
- Increase in employment rate

**Process** indicators

#### **Process indicators e.g:**

- The population covered
- The number of SME's involved
- The amount of money invested

Individual actions

Individual Actions



HLY At birth

**Triple** 

Win

#### + Healthy Life Years

#### **Quality of Life**

physical and cognitive function

#### Sustainability of care systems

facility/hospital admissions &cost of health services

Innovation-based competitiveness

#### ↑ Establish the link (theory & modelling JRC) ↑

Improved QoL and HLY

Outcome indicators

50% slower 

in cognitive function
5.1% 

of physical condition
70% slower 

in depression
no of medications

#### Outcomes for model group (100 patients)

facility/hospital admissions

33% **Ψ**in hospital admissions and nursing home visits

65% **Ψ** in emergency room visits

50% **♦** in length of stay in hospital & nursing home cost of health services

savings of 100 euro per person per year

19% **Ψ** in community health services costs

48% **V**in nursing nome cests

34% **♦** in hospital expenses

#### Market growth

Telehealth
Telemonitoring
EMRS

**Process indicators** 

<u>Geographical coverage of the model:</u> northern Italy + 15 replicated regions

<u>Target group</u>: 100 patients X 15 = > 1500

Process indicators

**Individual actions** 

Replication of integrated social and health case management model for frail elderly people



## What has been the process?

- Input from experts
- Input action group members about their monitoring process
- Based on input action group members and experts a draft monitoring framework was developed
- The experts and the action group members were asked to give feedback on the draft framework
- Updated monitoring framework based on the received feedback



# Two adjusted healthy life years on average in 2020 at birth

Healthy life years expectancy (HLE) or disability-free life expectancy (DFLE)

### **Eurostat definition**

The number of years that a person is expected to live in a healthy condition (without disability) at birth.



## **Caveats**

 Two Healthy Life Years, Triple win and proposed indicators also influenced by other factors

E.g.: Healthy Life Years influenced by income and education

Side effects:

E.g.: Falls go down, but mobility too

Everybody focus on community centres instead of also looking
forward to other ways to increase participation of older people in
society

- Keep in mind heterogeneity of actions
- Quality of data

#### **Outcome indicators: Monitoring trends**

#### Quality of Life

## Sustainability of health systems

#### Innovation and growth

#### Nutrition

#### Daily physical activity

#### Risk factors

- Blood pressure
- Cholesterol
- Glucose
- BMI

#### Health status

#### Access of care

#### Participation in society

- Social isolation
- Senior volunteering

#### Causes of death

- Chronic disease: diabetes melitus, heart failure, COPD, dementia
- Falls
- •Suicide

#### Hospital (re-)admissions by diagnosis

- Chronic disease: diabetes mellitus, heart failure, COPD, dementia
- Fracture of femur, Hip replacement,...
- Emergency admissions/visits

#### Hospital bed days

- Chronic disease: diabetes mellitus, heart failure, COPD, dementia
- Fracture of femur, Hip replacement,...

#### Management of health services

- Expenditures
- Organisation of care
- The number of implemented (parts of) guidelines / recommendations
- The number of given training courses (target group, participants, days)
- The number of implemented integrated health care models including funding
- The number of implemented selfcare models and number of patients involved
- Where business models used? If yes, which kind of models
- Do you use e-prescription

#### Living in institutions

Old age social spending

#### Innovation

#### SME's and industry/sectors involved

- The number of SME's involved and the number of different products per SME
- The number of sectors (nutrition, pharmaceutical, ICT,...) involved
- The amount of money invested (starting costs, operational costs)
- The number of innovative SME's collaborating with others (Innovation scoreboard, Eurostat) and the number of different types of products/services developed
- The number of SME's introducing product or process innovations (Innovation scoreboard, Eurostat)
- The number of SME's introducing marketing or organisational innovations (Innovation Scoreboard, Eurostat

#### Implemented technology and devices

- Do you implement a new technology? If yes, which kind?
- The number of users of developped/implemented devices (web, smart phone, apps, games)
- The number of users assisted by telehealth/telecare
- The number of users receiving care remotely
- The number of individuals using the Internet for seeking healthrelated information
- Were end-users involved? If yes, which end-users were involved and in what stage of the process
- Are you using an open platform?

#### Growth

- Employment rate
- Poverty and exclusion



# Example: Outcome objective Action C2 (SIP) Interoperable Independent Living Solutions

The "development of interoperable independent living solutions, including guidelines for business models", supported by two deliverables:

By 2015 availability of key global standards and validated implementations of interoperable platforms, solutions and applications for independent living.

By 2015 availability of evidence on socio-economic outcomes (among others: the return on investment) of these solutions and applications, based on experience involving at least 10 major suppliers, 100 SMEs and 10,000 users.

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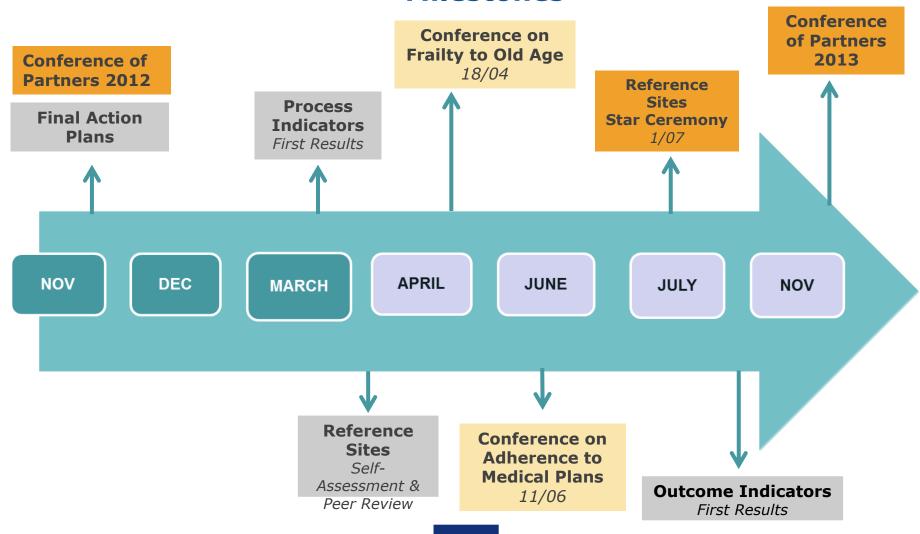
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### **Milestones**





## Thank you!

## **More information**

**EIP Marketplace:** https://webgate.ec.europa.eu/eipaha

EIPonAHA: ec.europa.eu/active-healthy-ageing