



Visão da Comissão Europeia

Saúde, bem-estar e envelhecimento activo com recurso às TIC

13.09.2016

*Oportunidades de financiamento no Horizonte 2020
As TIC aplicadas à saúde e bem-estar*

Bruno ALVES

DG CONNECT (Communications, Networks, Content & Technology)
EUROPEAN COMMISSION



1. Agenda União Europeia

- 1.1. Alterações Demográficas, Desafio Societal e Oportunidade de Desenvolvimento**
- 1.2. Grandes Áreas de Trabalho da União Europeia**
- 1.3. Road to 2018 – Metas na área das TIC para a saúde, bem estar e envelhecimento activo.**

2. Iniciativas Politicas da Comissão Europeia

- 2.1. Parceria Europeia para a Inovação – Envelhecimento Activo (EIP on AHA)**
- 2.2. The Silver Economy Strategy (Crescimento Economico e Emprego)**
- 2.3. Blueprint Digital Transformation Health & Care e Plano de Acção (eHealth Action Plan)**

3. Horizonte 2020 (Recomendações do Grupo Consultivo)

1. AGENDA UNIAO EUROPEIA

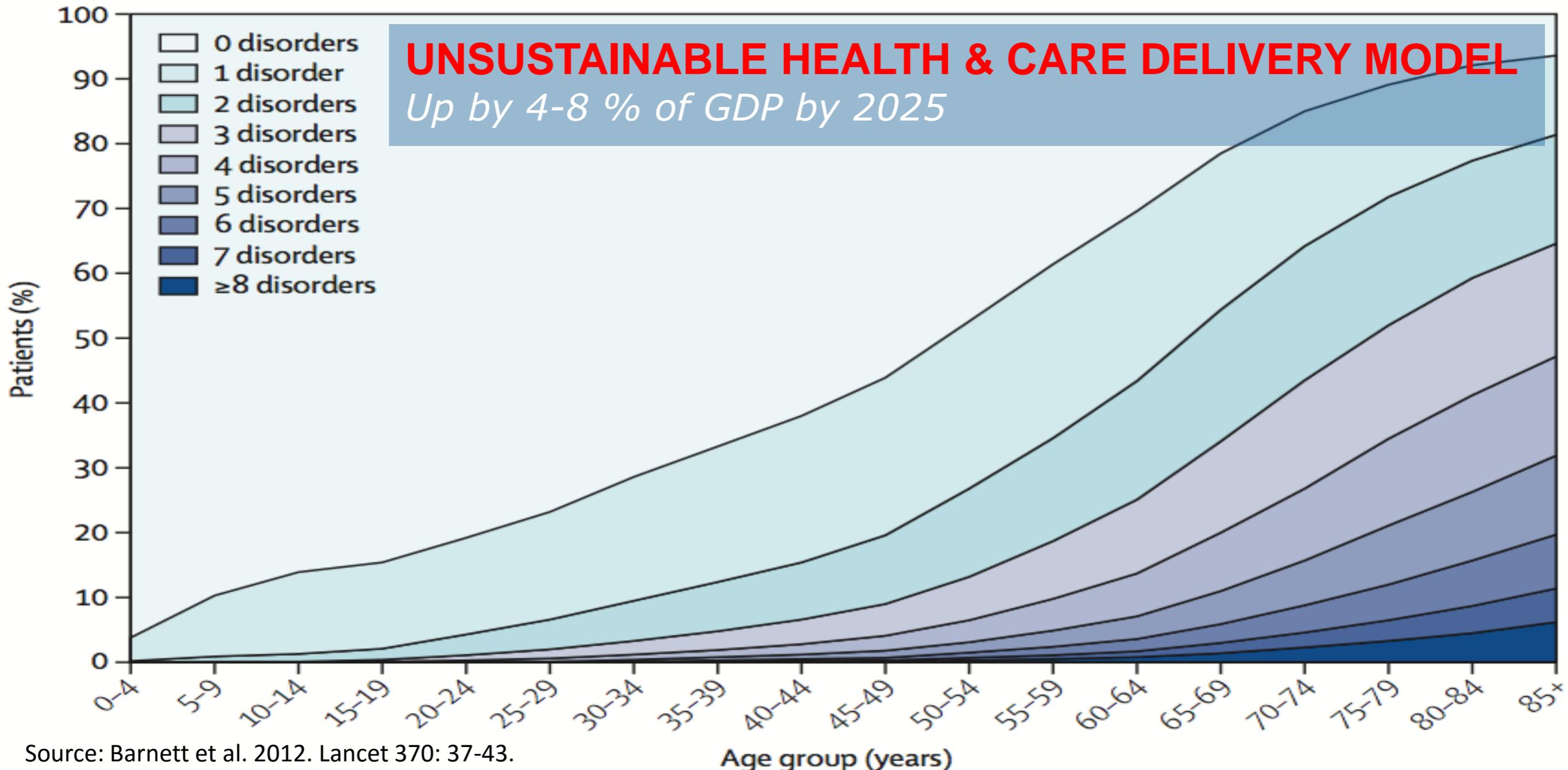


1.1. Alterações Demográficas, Desafio Societal e Oportunidade de Desenvolvimento

1.2. Grandes Áreas de Trabalho da União Europeia

1.3. Metas 2018 - TIC para a saúde, bem estar e envelhecimento activo

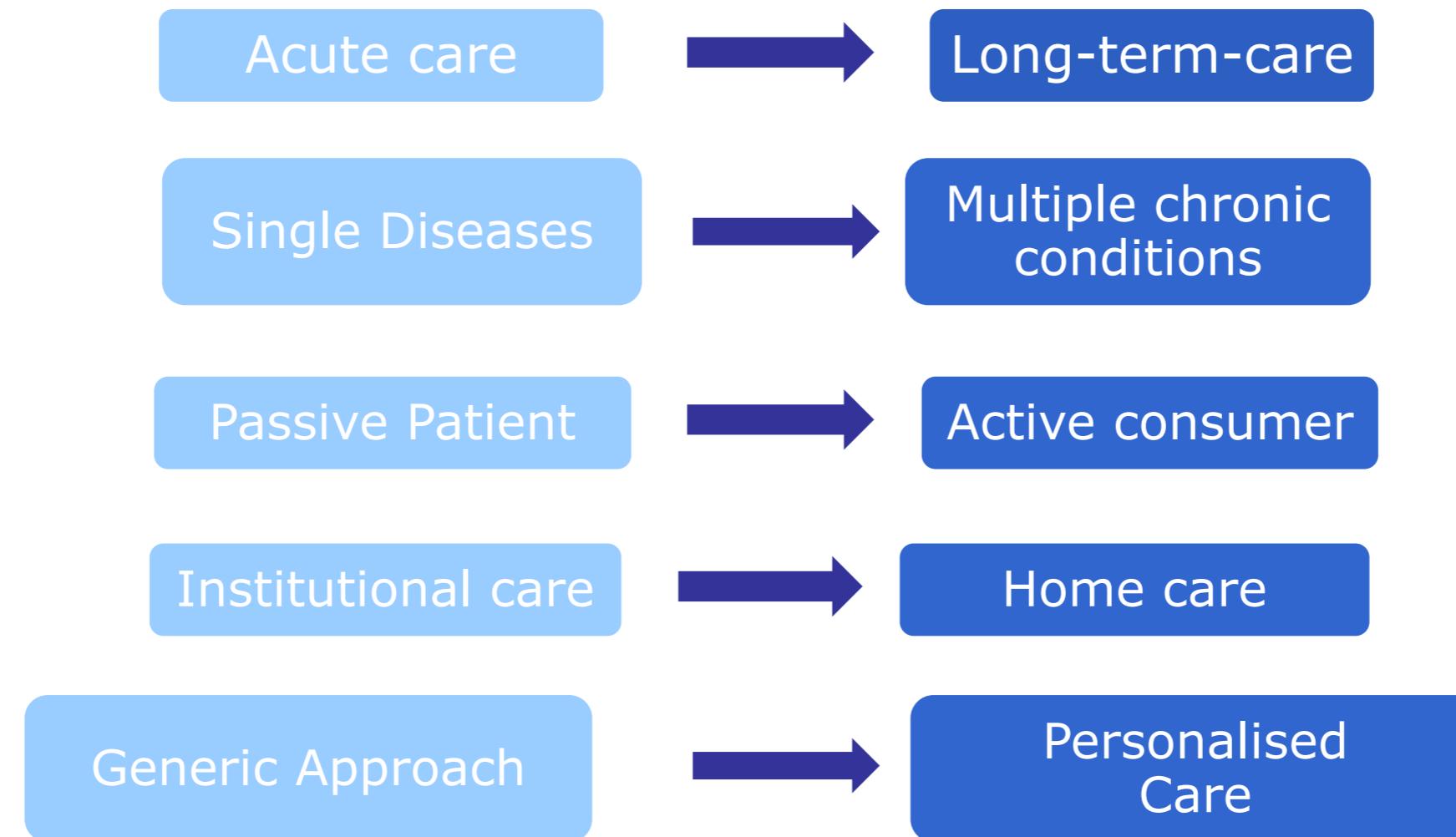
Number of chronic disorders by age group



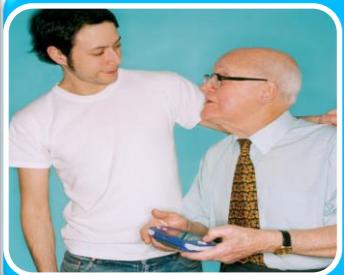
Source: Barnett et al. 2012. Lancet 370: 37-43.



Transformação no sector da saúde



Desafio Societal



Dependency Ratio

- From 1:4 to 1:2
- 80+ doubles by 2025



Cost of Care

Up by 4-8 % of GDP by 2025



Human Resources

- Shrinking work force
- Lacking 20 million carers by 2020

Oportunidade (triple win)



Melhor Qualidade de Vida

- Empowerment
- Active Ageing



Modelos Sustentáveis

- New Care Models
- Home based
 - Integrated care
 - Large Efficiency gains

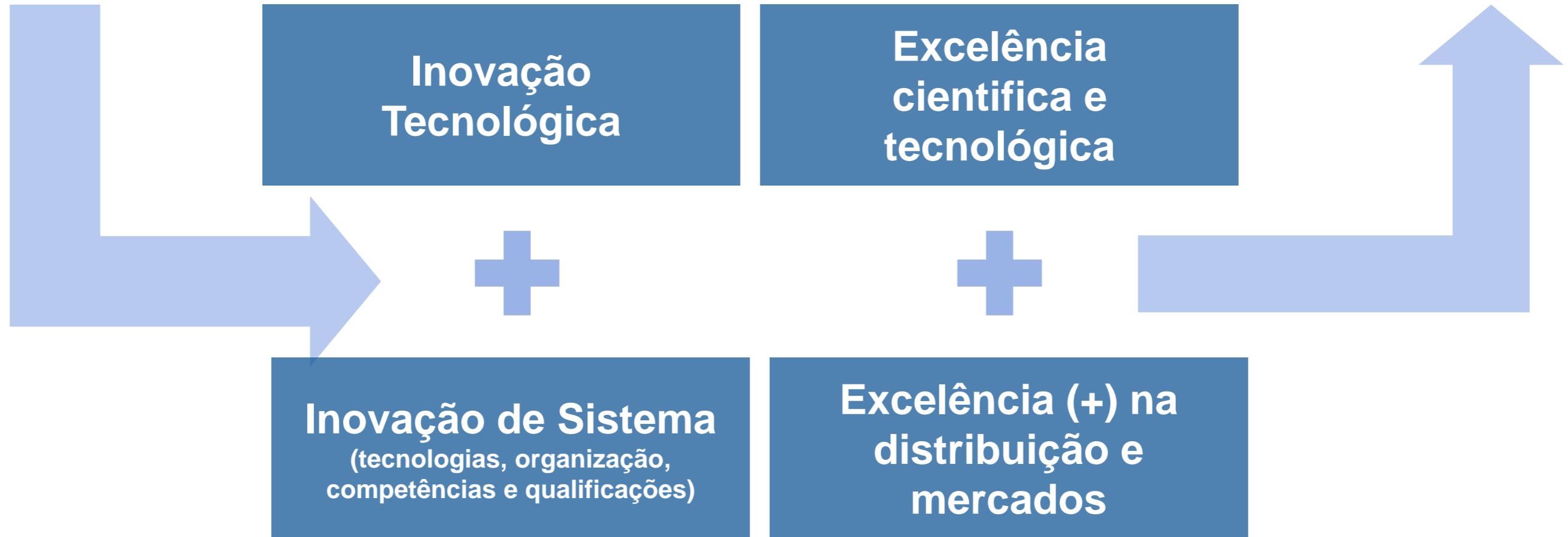


Crescimento Económico

Growth and Markets

- 3000 B€ wealth - 85 Million Consumers - and growing
- Large scale uptake of digital innovation

Desafio Societal





Desafio Societal

Digital
Single
Market

Smarter,
innovation
friendly
Policies

1.9 Billion €
2014-2020

Jobs, Growth
& Investment

Silver
Economy
Strategy

Investing in
Research and
Innovation
(H2020)

European
Innovation
Partnership
on Active
and Healthy
Ageing

Oportunidade



OBJECTIVES 2016-2018 (BLUEPRINT ON DIGITAL TRANSFORMATION HEALTH & CARE)

Implementação

50 + REGIOES

Implementar soluções TIC para a saúde, bem estar e envelhecimento activo em grande escala.

Investimento

Total de € 500 MILHOES investimento em soluções inovadoras TIC para a saúde, bem estar e envelhecimento activo.
(50% investimento publico, e 50% investimento privado).

Indivíduos

Mais 4 MILHOES de pessoas a beneficiarem de inovação tecnológica na área da saúde, bem estar e envelhecimento activo.

2. INICIATIVAS POLITICAS COMISSAO EUROPEIA



2.1. Parceria Europeia para a Inovação – Envelhecimento Activo (EIP on AHA)

2.2. The Silver Economy Strategy (Crescimento Económico e Emprego)

2.3. Blueprint Digital Transformation Health & Care e Plano de Acção (eHealth Action Plan)



2.1. Parceria Europeia para a Inovação Envelhecimento Activo (EIP on AHA)

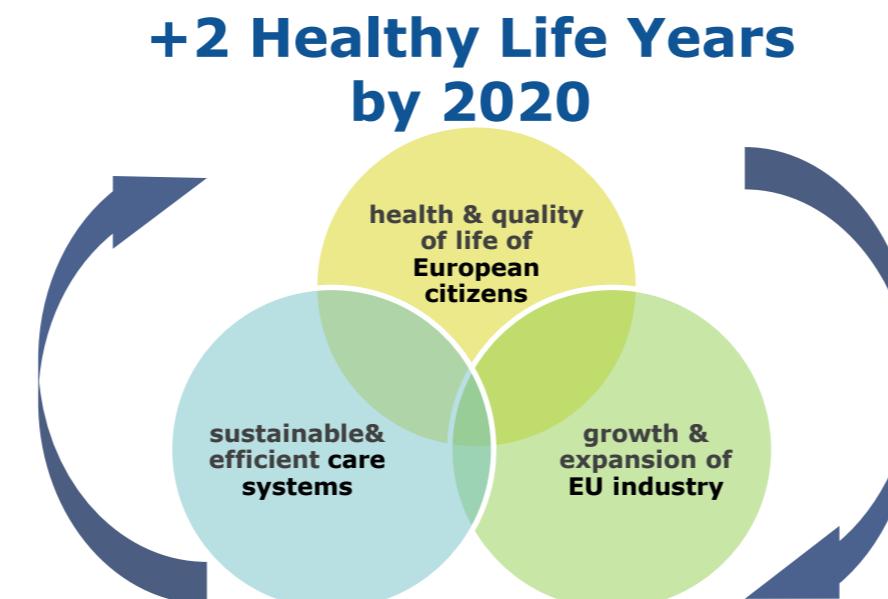


European Innovation Partnership on Active & Healthy Ageing



Connecting & engaging **STAKEHOLDERS** across sectors, from private & public sector

To accelerate **SCALING-UP** of **INNOVATION** for active and healthy ageing.



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EUROPEAN INNOVATION PARTNERSHIP
on Active and Healthy Ageing

European Commission > EIP on AHA

[About the partnership](#) [Repository of practices](#) [Funding](#) [Scaling up innovation](#)

Action Groups Reference Sites Library News Events

Welcome to the EIP on AHA portal

This platform is a communication and information hub for all actors involved in Active and Healthy Ageing through Europe; the place to promote news and events, to meet and exchange ideas with peers, to look for potential partners on innovative projects. Join our growing and fruitful community and let's work together to make the EU a place of excellence in innovation for healthy ageing!



ec.europa.eu/eip/ageing

#ActiveAgeing

Composição da Parceria

6 ACTION GROUPS



A1

► Adherence to prescription



A2

► Falls prevention



A3

► Functional decline and frailty



B3

► Integrated care



C2

► Independent living solutions



D4

► Age friendly environments

74 REFERENCE SITES



European Innovation
Partnership on Active
& Healthy Ageing



Support to scaling up of innovations
in Active and Healthy Ageing



European Innovation
Partnership on Active
and Healthy Ageing
REFERENCE SITE



European Innovation
Partnership on Active
and Healthy Ageing
REFERENCE SITE



European Innovation
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and Healthy Ageing
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Actividades Grupos de Acção

SYNERGIES & COLLABORATIVE ACTIONS

IMPLEMENTATION OF 2016-2018 ACTION PLANS

INNOVATIVE PRACTICES REPOSITORY

Reference Sites

74 REFERENCE SITES = € 4 BILLION INVESTMENT

TWINNING PROGRAMME "ACCELERATE DEPLOYMENT" + DE-RISK INVESTMENT

NETWORK OF REGIONAL AUTHORITIES TO SHARE EXCHANGE EXPERIENCES



EUROPEAN INNOVATION PARTNERSHIP
on Active and Healthy Ageing

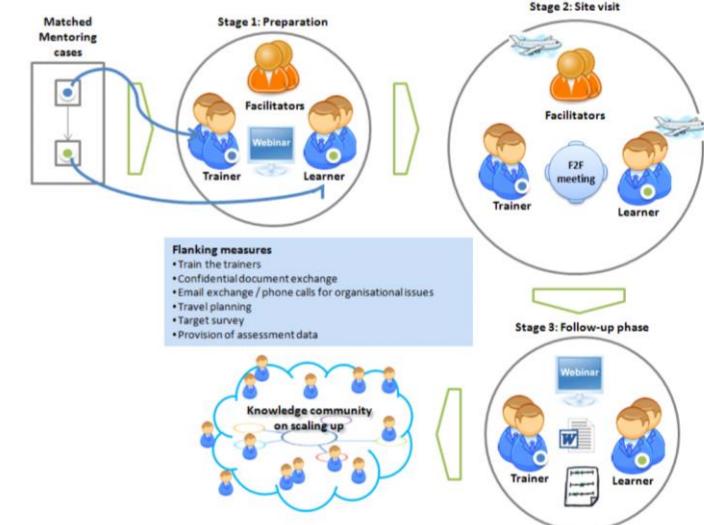
European Commission > EIP on AHA > Action Groups.

Action Groups Library News Events

A1 Adherence to prescription
A2 Falls prevention
A3 Functional decline and frailty
B3 Integrated care
C2 Independent living solutions
D4 Age friendly environments



European Innovation
Partnership on Active
and Healthy Ageing
REFERENCE SITE



2.2. The Silver Economy Strategy

Crescimento Económico, Investimento e Emprego



Lançamento (Março 2015)



GROWING THE EUROPEAN SILVER ECONOMY



BACKGROUND PAPER

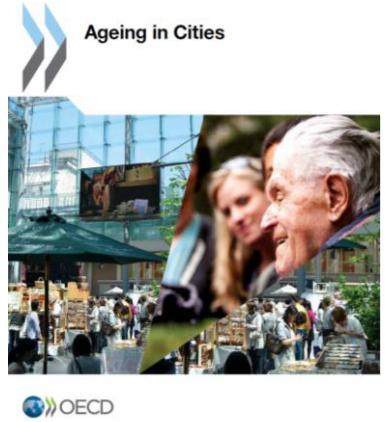
23 FEBRUARY 2015

Disclaimer: The background document has been produced to inform a discussion among stakeholders and does not constitute a formal position, proposal or commitment by the European Commission.

<http://bit.ly/1yiVfF2>

2.2. The Silver Economy Strategy

Crescimento Econômico, Investimento e Emprego



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October 19, 2014 5:45 pm

The Silver Economy: The changing face of growing old

Share Author alerts Print Clip Gift Article

Pace of change is faster than any in recorded history

Rise of the old

EU population* % of EU population aged over 60

Year	% of EU population aged over 60
1950	13.9%
2050	35.1%

The age composition of advanced economies has changed radically since the 1950s. The over-60s now account for a fifth of the population in the US, a quarter in the EU and, astonishingly, a third in Japan. Globally, the number of over-60s is estimated to hit 2bn by 2050

Source: UN

21 October 2015

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EU Needs Social Entrepreneurs to Leverage the Silver Economy

Posted: 04/02/2015 14:22 GMT | Updated: 05/04/2015 10:59 BST



G7 ICT Ministerial April 2016 Japan

AGENDA

WORLD ECONOMIC FORUM

GLOBAL REGIONAL INDUSTRY

AGENDA

Ageing Demographic Dividend Employment, Skills and Human Capital

The untapped potential of the elderly By Supriya Jain Jun 17 2015 Comment

How can your business prepare for an ageing population? By Mike Elling May 6 2015 Comment

Briefing

July 2015

The silver economy Opportunities from ageing



Bluelinea accompagne le lancement du Cluster franco-allemand sur la #SilverEco.

#SilverRégion

#SilverEco

@Bluelinea

#ObjetsConnectés

Lancement à Metz en présence des deux Secrétaires d'Etat



Thierry CHAPUSOT (Welcoop, Pharmagest)



Elie FERNER (Secrétaire d'état - DE)



Christophe CHOSEROT (VP - Région Lorraine)
Laurence ROSSIGNOL (Secrétaire d'état - FR)
Laurent LEVASSEUR (Bluelinea)
Stéphan KREUTZER (Groupe HAGER)



European Parliament



Foco:

- Economia da "terceira-idade" – Poder de consumo de indivíduos, sector privado e autoridades públicas em produtos, serviços e atividades dedicadas a pessoas da terceira idade.
- Ganhos de produtividade e criação de valor económico por empreendedores 50+

Objetivo:

- Identificar áreas de "alto potencial" para criação de crescimento económico na Europa.
- Identificar áreas de "alto potencial" para empresas Europeias se posicionarem como líderes de mercado global.

2.2. The Silver Economy Strategy

Crescimento Económico, Investimento e Emprego



GROWING THE EUROPEAN SILVER ECONOMY



BACKGROUND PAPER
23 FEBRUARY 2015

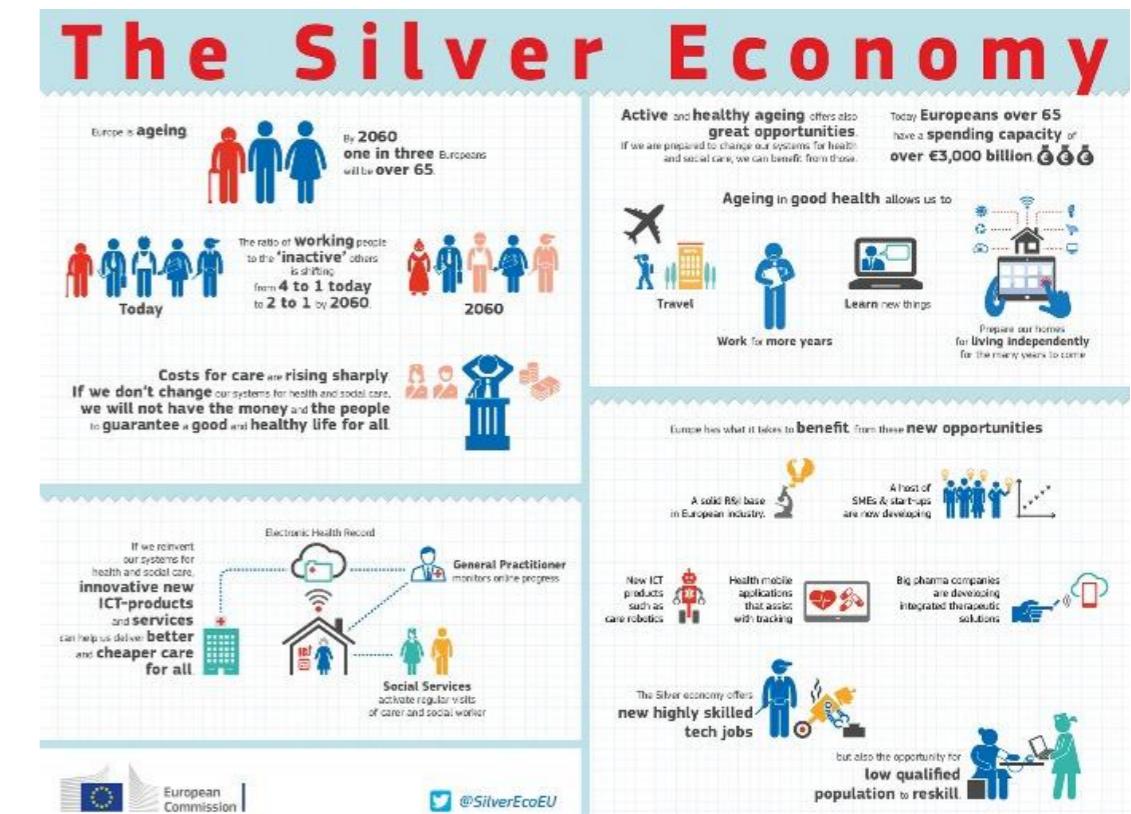
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TIC CUIDADOS INTEGRADOS (Serviços Saúde + Serviços Assistência Social)

CONNECTED SMART HOMES (DIGITAL CARE-AT-HOME SOLUTIONS)

TIC PARA TURISMO E LAZER SENIOR



2.2. The Silver Economy Strategy

Crescimento Económico, Investimento e Emprego



Analisar, Quantificar e Qualificar o Potencial da Silver Economy na Europa.

<http://www.smartsilverconomy.eu>

Technopolis Ltd., cbased, Oxford Economics Ltd



Roadshow on Age-Friendly Housing

Agile-Ageing Alliance

<https://www.linkedin.com/groups/8527637>



BLUEPRINT FOR DIGITAL TRANFORMATION OF HEALTH & CARE IN EUROPE

"Visão Conjunta de médio e longo prazo"

Dia 26 Setembro Lançamento da Consulta Pública
(bit.ly/ageingsummit2016)



Avaliação Intermedia do Plano de Acção eHealth 2012-2020.

- Rever os objectivos atingidos ao fim de 3 anos
- Identificar e analisar "pontos fracos" e barreiras à efectiva implementação do Plano de Accão
- Identificar áreas onde acções adicionais são necessárias (por parte da UE ou estados membros)
- Actualizar o plano com tópicos que surgiram desde a sua adopção em 2012.
- Consulta Publica (final de 2016) tent.
- Recomendações (primeiro semestre de 2017) tent.

3. HORIZONTE 2020

Recomendações Grupo Consultivo



3.1. Preparação Prioridades 2018-2020

3.2. Desafios e Oportunidades identificadas pelo GC

3.3. Recomendações Específicas do GC

3.1. HORIZONTE 2020

Planeamento



2.2. HORIZONTE 2020

Desafios e Oportunidades (identificados pelo GC)



SUSTENTABILIDADE

Rising and potentially unsustainable health and care costs mainly due to

- *the increasing prevalence of chronic diseases*
- *ageing population requiring more diversified care and*
- *increasing societal demands*

PRODUCTIVIDADE DE PESQUISA E INOVACAO NO SECTOR DA SAUDE

Decrease of research and innovation productivity in the health and care industry

CRISES GLOBAIS

Confronted with migration, climate change and new emerging infectious diseases influencing health and well-being

ACESSO à SAUDE

Health inequalities and access to health and care also constitute major challenges for our societies

Europe needs smart, scalable and sustainable solutions building on the innovation opportunities.

Europe must grasp every opportunity for leadership.

Technology and innovation continue to offer new opportunities at an accelerating pace.

(*) Recommendations from the Advisory Group for the potential strategic priorities for the work programme 2018–2020 and beyond for the Horizon 2020 Societal Challenge 1: "Health, Demographic Change and Well-being"

https://ec.europa.eu/research/health/pdf/ag_advice_report_2018-2020.pdf



Recommendations from the Advisory Group (1/2) *

- **VERTICAL THEMES**
 - **Personalised medicine**
 - **Rare diseases**
 - **Research and innovation for infectious diseases**
 - **Non-communicable diseases**
 - **Paediatrics**
 - **Public health and prevention including migration**
 - **Active and healthy ageing**

*) Recommendations from the Advisory Group for the potential strategic priorities for the work programme 2018–2020 and beyond for the Horizon 2020 Societal Challenge 1: "Health, Demographic Change and Well-being"

https://ec.europa.eu/research/health/pdf/ag_advice_report_2018-2020.pdf



Recommendations from the Advisory Group (2/2)

- **HORIZONTAL THEMES**

- Big data
- eHealth, mHealth, ICT
- Integration of care
- Environment and health, green solutions and sustainability including climate change

- **CROSS-CUTTING ISSUES**

- Social Sciences and Humanities, integration, inequalities, migration and ethics
- Sex and gender differences in medicine
- Commercialisation within “Health, Demographic Change and Well-being”
- Encouraging stronger and successful involvement of EU-13

*) Recommendations from the Advisory Group for the potential strategic priorities for the work programme 2018–2020 and beyond for the Horizon 2020 Societal Challenge 1: "Health, Demographic Change and Well-being"

https://ec.europa.eu/research/health/pdf/ag_advice_report_2018-2020.pdf



eHealth, Demographic Change and Wellbeing

- eHealth, Better Healthcare for Europe (summary of eHealth activities in H1, references and links): paper version only
- Green Paper on mobile health (2014): bit.ly/ECmHealth
- Summary report to the Public consultation on the Green Paper on Mobile Health (2015): bit.ly/ECmHealth
- Staff Working Document, Existing EU legal framework applicable to lifestyle & wellbeing apps (2014): bit.ly/ECmHealth
- eHealth Projects (updated regularly): europa.eu/!hp88pk
- eHealth Action plan 2012-2020: europa.eu/!KD73MY
- EU Silver Economy Strategy http://ec.europa.eu/research/innovation-union/index_en.cfm?section=active-healthy-ageing&pg=silvereconomy
- European Scaling-up Strategy in Active and Healthy Ageing https://ec.europa.eu/research/innovation-union/pdf/active-healthy-ageing/scaling_up_strategy.pdf
- European Innovation Summit on Active and Healthy Ageing http://ec.europa.eu/research/innovation-union/index_en.cfm?section=active-healthy-ageing&pg=2015-summit
- ICT for Active and Healthy Ageing <http://ec.europa.eu/digital-agenda/en/policies-ageing-well-ict>
- European Innovation Partnership on Active and Healthy Ageing http://ec.europa.eu/research/innovation-union/index_en.cfm?section=active-healthy-ageing
- Active and Assisted Living Joint Programme <http://www.aal-europe.eu/>
- EIT KIC on Healthy Living and Active Ageing <https://eithhealth.eu/>
- Joint Programming Initiative More Years – Better Lives <http://www.jp-demographic.eu/>



THANK YOU

Questions or Comments:

Contact and more info related to ICT for health, demographic change and wellbeing

eHealth, Wellbeing and Ageing (H3): CNECT-H3@ec.europa.eu

Twitter: [@EU_eHealth](https://twitter.com/EU_eHealth); [@EU_eHealthweek](https://twitter.com/EU_eHealthweek); [@EIP_AHA](https://twitter.com/EIP_AHA)

Website: ec.europa.eu/digital-single-market/en/ehealth-and-ageing

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For updated information about Work Programme 2016-2017, please consult your National Contact Point.