



e-Health: The proven benefits

Results of EC programmes, current activities and future plans

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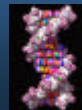
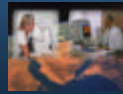
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DG Information Society and Media
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Research areas and achievements to date:

- Keep people healthy**
Information for disease prevention
Lifestyle management
- Empower patients**
Personal health systems (wearable, implantable)
- Provide tools to health Professionals**
Decision support
Portable med. imaging
- Support reform and organisation:**
 - Integrated Regional Health Information Network with
 - Electronic health records,
 - e-prescriptions, e-referrals
 - Telemedicine services
 - Information infrastructure for research & clinical care



20 Years of eHealth R&D & Policy

PAST 10 years (1991-2002)

NEXT 10 years (2003-2014)

FP2

FP3

FP4

FP5

Computer Applications for Doctors
Telemedicine systems and services

Regional Health Info Networks
Home-care systems
Personal Health Systems

Budget: 20M €

Budget: 100M €

Budget: 140M €

Budget: 200M €

Projects: 30

Projects: 63

Projects: 158

Projects: 125

Results: Feasibility Study

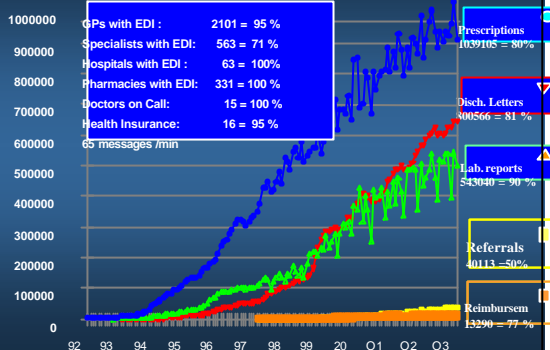
Results: AIM Community

Results: 1st batch of Products

Results: EU Health Telematics Industry



MedCom, the national network: 3.5 Mill Euro savings only on e-referrals



Real-life examples of eHealth solutions

Boario Home Care (Italy) – telecardiologyservices:
47% reduction of Emergency Department referra
95% reduction of cardiologic consultations

NHS Direct online – 24x7 eHealth services to public
<http://www.nhsdirect.nhs.uk>

Health cards – Net@CARDS (Germany, France, Italy, Austria, Greece, Czech Republic, Slovak Republic):
Interoperable cards across countries
<http://www.netcards-project.com/pilots.php>

For collection implemented/real life eHealth solutions see
eHealth – Current situation and examples of implemented and beneficial eHealth Applications, IOS Press, vol 100, (2004)



From R&D to deployment

Major categories of challenges

1. Organizational, cultural
2. National / regional strategy
3. Industrial issues
4. Legal issues, privacy -> security of data
5. Technology and standards
6. User acceptance



1) Ensure well thought-out strategy

2) Break the pattern of large scale all at once implementations

3) Ensure commitment of the "leaders"

4) Keep it up... do not just set it up

5) Ensure (legal and ethical) compliance

6) Do not underestimate user acceptance

7) None of the parties (administration, industry, users) can do it alone!

20 Years of eHealth R&D & Policy

PAST 10 years (1991-2002)				NEXT 10 years (2003-2014)
'89-'91	'91-'94	'94-'98	'98-'02	Many good results - Are not known /understood - Are not assessed - Need more favorable conditions (e.g. legal, organisational, leadership)
Computer Applications for Doctors Telemedicine systems and services	Regional Health Info Networks Home-care systems Personal Health Systems			
Budget: 20M € Projects: 30 Results: Feasibility Study	Budget: 100M € Projects: 63 Results: AIM Community	Budget: 140M € Projects: 158 Results: 1 st batch of Products	Budget: 200M € Projects: 125 Results: EU Health Telematics Industry	Support to deployment I2010 initiative eHealth Communication and Action Plan COM (2004) 356 Yearly Ministerial eHealth Conferences, next conference May10-12, 2006 Malaga, Spain

Communication: COM(2004) 356 final
 'e-Health – making healthcare better for European citizens: An action plan for a European e-Health Area'

e-Health action plan: main areas of activity

Addressing common challenges – selected examples:

- Best practices collection (EC, 2005)
- National/regional roadmaps (MS, 2005)
- Common approaches for patient identifier (EC+MS, 2006)
- Interoperability standards for EHR and messaging (EC+MS, 2006)
- Boosting investments in eHealth (MS, 2007)
- Deployment of health information networks (MS, 2004-2008)
 - Including broadband, wireless, grids
- Legal framework, certification of qualifications (EC+MS, 2009)

Everybody's contribution counts – contact your representatives of this Action Plan monitoring in your country's Min. of Health or Min. of Industry/Development

20 Years of eHealth R&D & Policy

PAST 10 years (1991-2002)				NEXT 10 years (2003-2014)
FP2	FP3	FP4	FP5	FP6 Research activities Personal health systems (Wearable & implantable) based on biosensors Health Knowledge Infrastructure & HealthGrid Decision Support Systems Biomedical Informatics - support to Molecular and genomics Medicine Disease Prevention Personalisation
Computer Applications for Doctors Telemedicine systems and services	Regional Health Info Networks Home-care systems Personal Health Systems			
Budget: 20M € Projects: 30 Results: Feasibility Study	Budget: 100M € Projects: 63 Results: AIM Community	Budget: 140M € Projects: 158 Results: 1 st batch of Products	Budget: 200M € Projects: 125 Results: EU Health Telematics Industry	www.cordis.lu/ist/directorate_c/ehealth/index.html

ICT for Health

Examples of Research Activities and First results

Personal health support systems for health status monitoring

Assisting in

- Prevention and inclusion
- Autonomy and Mobility
- Patient education
- Lifestyle management

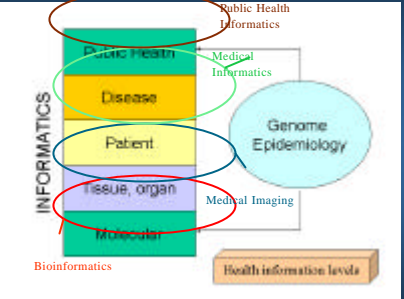
Greater participation and Empowerment of patients



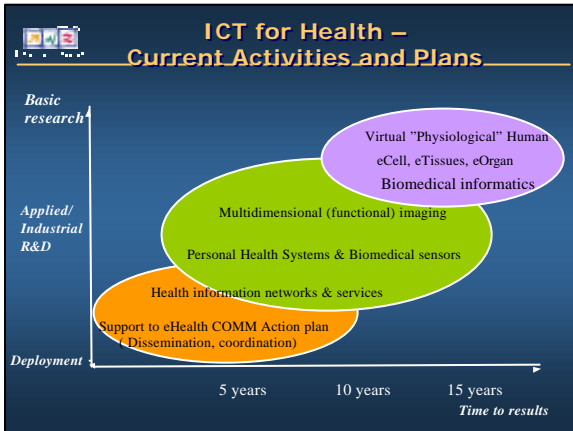




Integrating biomedical data for better health



Synthesis of all "Health Information levels"



- ## Conclusions
- European Commission – DG Information Society supports
- 1) Beneficial uptake
 - eHealth Communication
 - coordination of Member states activities
 - closer collaboration with other policy commission services
 - 2) R&D in ICT for health with aim to contribute to Public health, Prevention, Patient safety, Molecular medicine,
 - 3) Regional Authorities
 - be proactive understanding the needs and eHealth tools
 - take the leadership in eHealth deployment
 - push for "proofs" within their pilots
 - more attentive to the needs (and power) of users!
 - orient towards services (service contracts) not products!

Conclusions

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