

21st Century HealthCare: Practical Considerations for Greece

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Is Telemedicine a new field?

- Physicians, hospitals and medical schools have been exploring the uses of telemedicine since 1964, primarily in the area of medical education.
- Utilized by health providers in a growing number of medical specialties including dermatology, oncology, radiology, surgery, cardiology, psychiatry and home health care.



Health care system doesn't know who you are unless you are sick!



Hospitals & physicians are solely responsible for monitoring and delivering healthcare services



Government is a facilitator of healthcare, in terms of policy setting and resource allocation



Can we change our focus?

Existing	Proposed
Complicated	Simple
Expensive	Inexpensive
Location oriented	Location independent
Hospital-Centric	Patient-Centric
Individual focus	Mass-scale focus
Diagnostic data	Indicators predicting outcome
Reactive approach	Prevention approach
Medical care for patients	Health Monitoring for everyone

Currently used approaches are based on values of health-related parameters monitored *instantaneously* and *episodically* during clinical center visits.

Proposed approach is based on an always on monitoring system that produces health indicators for the entire population. These indicators will enable prevention rather than reaction to health related issues



Our Vision



Clearly identified & personal approach, resulting to a health-aware citizen with continuous monitoring at the home environment with minimal effort.



Government that can effectively allocate resources responding to population indicators.

Hospital that can “forecast” needed services and respond before individual’s health deteriorates.



Example of eHealth Home Station



- **Widely available development platform**
- **10 sensors**
- **Simple, One-touch operation**
- **Cost similar to a mobile phone**
- **Mass scale deployment will reduce price substantially**



How can it work?

- Uses conventional methods to deliver extraordinary benefits
- Citizens measure their health in ways familiar to them
- Health indicators can show a persons health as it develops through time, evolving to a “daily checkup” routine that would otherwise not be possible, or simply be too expensive.



What is next?

- Create new services with a people-centric outlook: Our focus is not only the patient, but the entire population!
- Today's technology is capable of supporting such services and an always-on, always-connected operation.
- Focus is shifted from technology to services, since any product is as good as its service is.



What is our role in this?

- Under the Health in Action initiative, we are called to contribute to the creation of an eHealth system
- purpose of such a system is to enable and support high quality health care by means of information technology.
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Deliverables: Strategic Pillar 8 (eHealth)

- D.1. Study of the form, creation and responsibilities of the National e-Health Board, preparation of its legal framework. Transfer of know-how from respective foreign bodies. Definition of common standards for the use of e-health applications. Establishment of guidelines, computer language, interoperability (API), etc. Know-how transfer from relevant systems in foreign countries
- D.2: Preparation of the National E-Health Board's platform for the collection and formulation of all health data collected.