

Are eHealth applications available and affordable?

Bart Sijnave

19 oktober 2006

| Agenda

- Introduction
- Availability
- Affordability
- Conclusion

Agenda

- ❑ Introduction
- ❑ Availability
- ❑ Affordability
- ❑ Conclusion



- Are eHealth applications available?

YES!!

- Is the eHealth solution affordable to every hospital?

YES!!

- What does e-health actually stand for?
 - ▣ *term for health care practice which is supported by electronic processes and communication (Wikipedia)*
 - ▣ *an emerging field in the intersection of medical informatics, public health and business, referring to health services and information delivered or enhanced through the Internet and related technologies. (Gunther Eysenbach)*
 - ▣ *all forms of electronic healthcare delivered over the Internet, ranging from informational, educational and commercial "products" to direct services offered by professionals, non-professionals, businesses or consumers themselves.*

Introduction

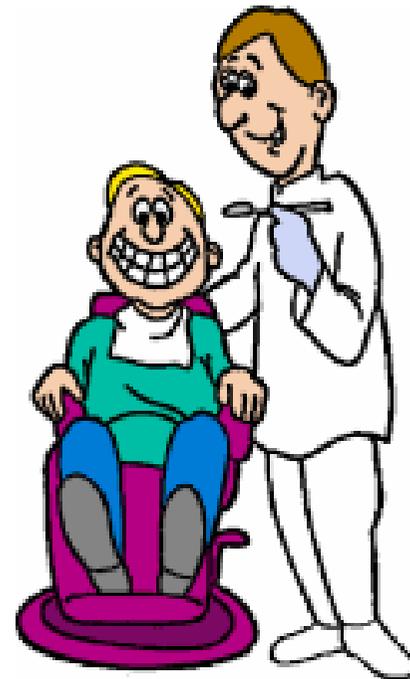
- For this presentation:

e-health is the delivery of *integrated* health care services *supported by* information and communication technologies

- remote or locally
- efficiency increasing
- quality increasing
- process oriented
- multi-disciplinary / all inclusive
- patient centered

Agenda

- Introduction
- Availability
- Affordability
- Conclusion



Availability



telemonitoring



GZO



Leuvense Internet Samenwerking Artsen (LISA)

ict

- ❑ there are lots of e-health applications out there, but:
 - ❑ they are often too mono-disciplinary as a result of former 'island automation'
 - ❑ are mostly 'too small to be strong'
 - ❑ break-through is slow

Availability

- the 'ideal e-health application' is
 - patient centered (care plans)
 - process oriented
 - multi-disciplinary
 - privacy-friendly

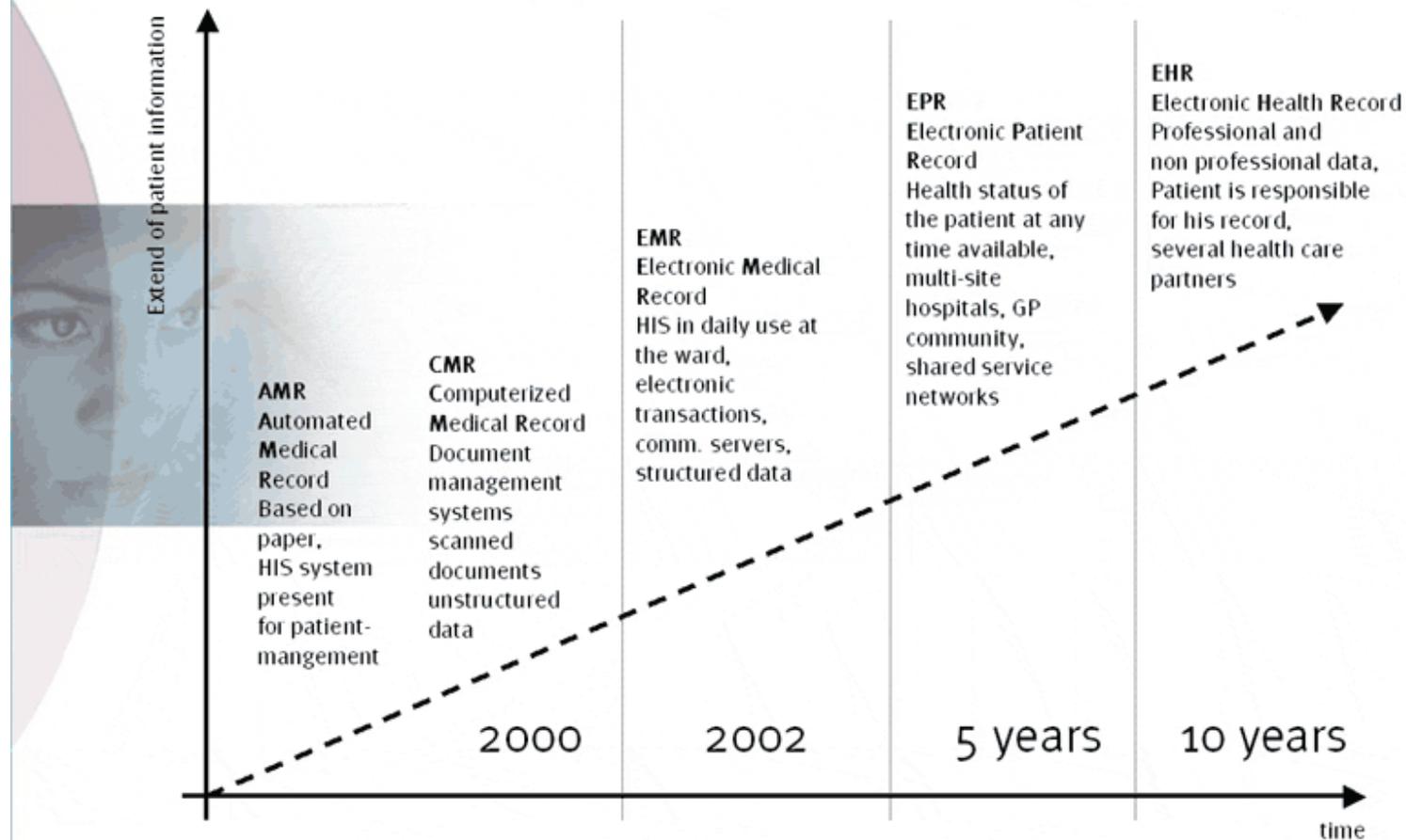
- user friendly
- available at any time at any place

- maximally using standards (interoperability)

- reducing the costs

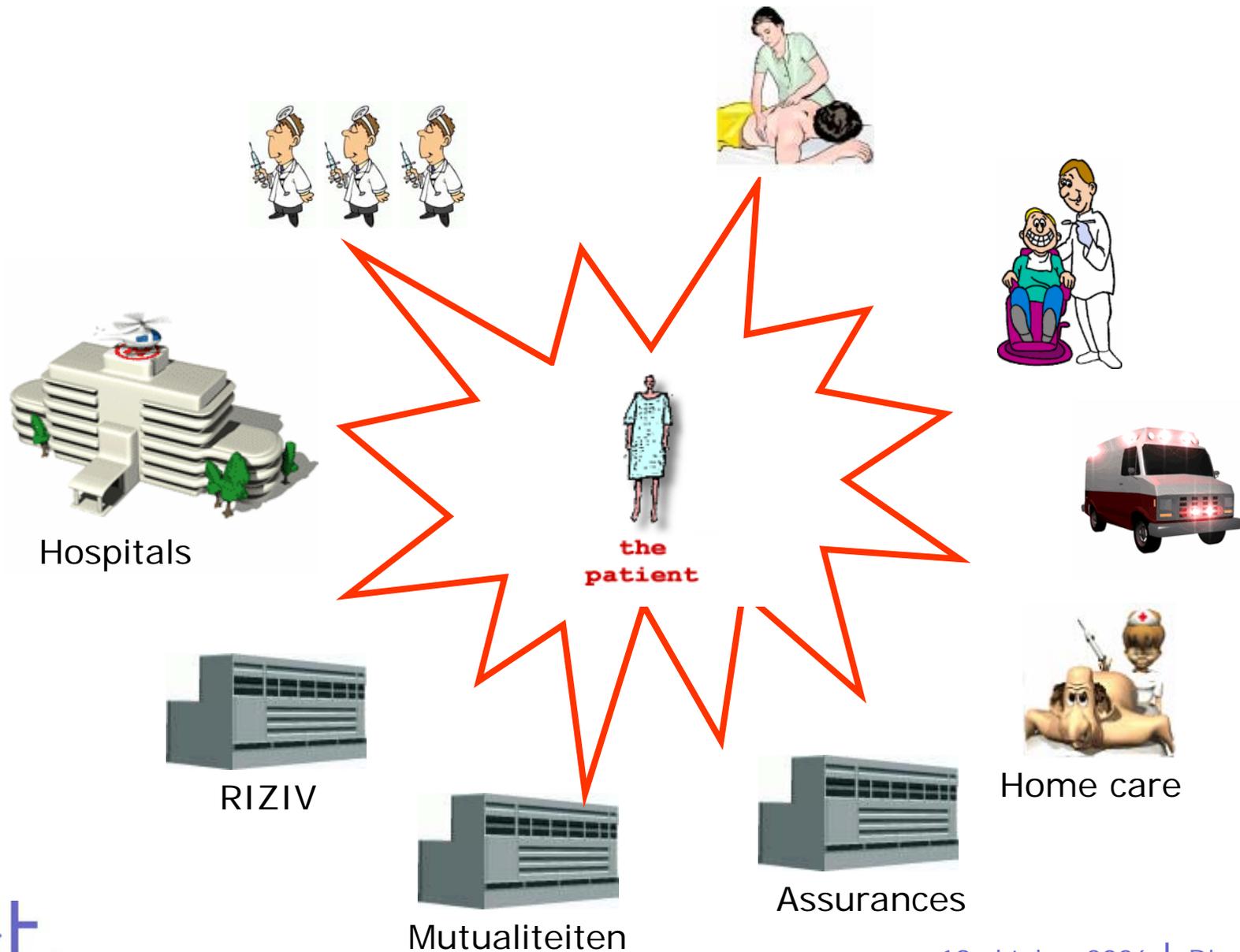
Patient-centered approach

Patient centric healthcare discussion



Definition by Executive officer Peter Waegemann (Medical Record Institute Newton/MA USA)

Patient centered approach



| Patient-centered approach

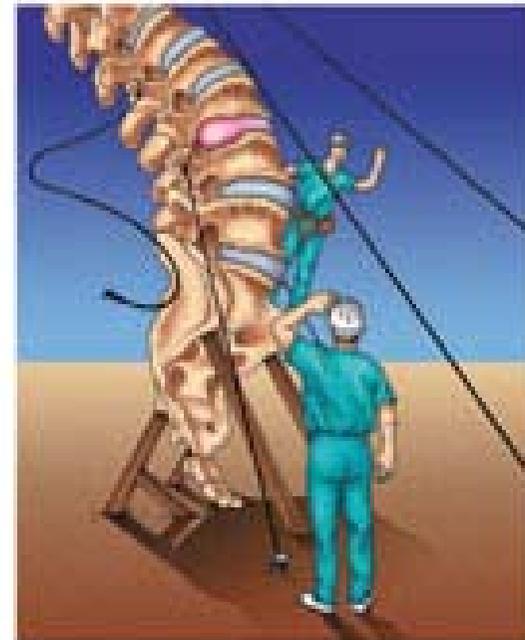
Advantages:

- ▣ higher patient (and provider) satisfaction
- ▣ more efficient and effective care
- ▣ lower cost (shorter stay)
- ▣ ... and many more !!



Multi-disciplinary

- ❑ necessity due to complexity of care
- ❑ involving both medical and non-medical experts
- ❑ double challenge:
 - ▣ supporting the individuals
 - ▣ supporting the teams



Privacy-friendly

Basic rule: the patient should always be able to decide what happens with his/her information and have the possibility to know who got access to private information at any moment

- ❑ procedures are the issue, not the technology
- ❑ pragmatic approach : a completely closed system is a useless system

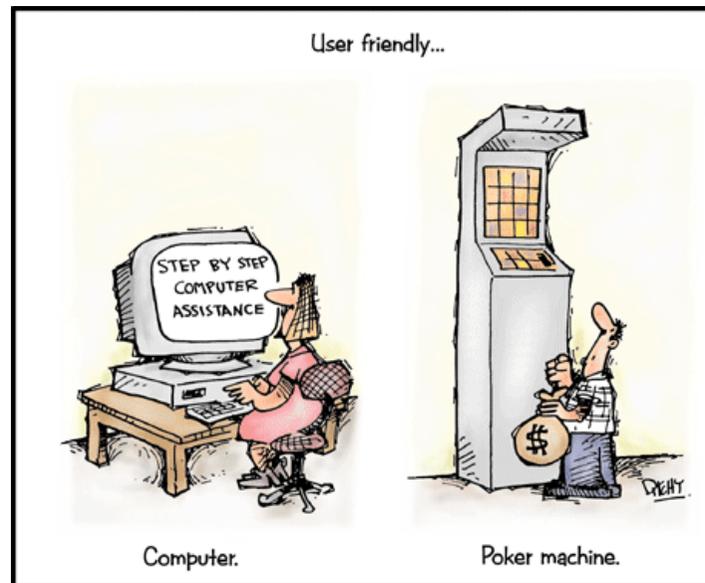


User friendly

- ❑ intuitivity in use (low usability threshold)
- ❑ reducing the administrative load (added value)
- ❑ automatising 'straightforward' tasks

ONE GOAL :

WORKING TOWARDS HIGH(ER) QUALITY CARE



Using standards



DICOM

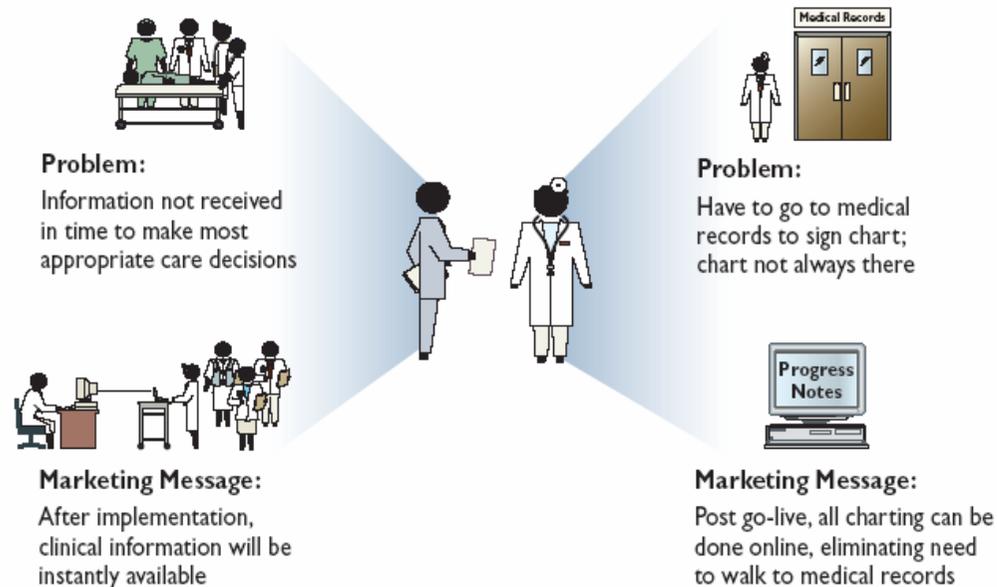
KMEHR-BIS



the use of standards should only be initiated by the strive for maximal interoperability between health care platforms, not for the use of standards as such

Challenges

- ❑ building the 'ideal e-health application' is one thing
- ❑ having an operational framework is another
 - ▣ legally
 - ▣ broadening the view (all care providers)
 - ▣ user buy-in



© 2006 The Advisory Board Company

Agenda

- ❑ Introduction
- ❑ Availability
- ❑ Affordability
- ❑ Conclusion



Affordability

- ❑ “As an industry, healthcare has singularly failed to demonstrate affordability and innovation in IT” (e-health insider, august 2006)
- ❑ TCO of e-health applications remains high
- ❑ Alternatives?
 - ▣ Forrester: conditions are ripe for using open source in health care
 - ▣ Building alliances and sharing costs

| Agenda

- ❑ Introduction
- ❑ Availability
- ❑ Affordability
- ❑ Conclusion

Conclusion

- ❑ Are eHealth applications available?

YES, but...

- ❑ Is the eHealth solution affordable to every hospital?

YES!!

at least in some sense...

