



*After the first decade of eHealth,  
what can we expect next?*

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# Some personal perspectives on the first 10 years of EHTEL

## Good news that EHTEL has successfully:-

- Created unique European HIT networks
- Earned widespread professional respect
- Made significant contribution to eHealth

## But EHTEL has also had to contend with:-

- Competition from HINE and EuroRec
- Financial problems with EC support
- Slow progress with electronic records

***Most importantly, EHTEL has thrived under demanding circumstances – the real test of a quality organisation***

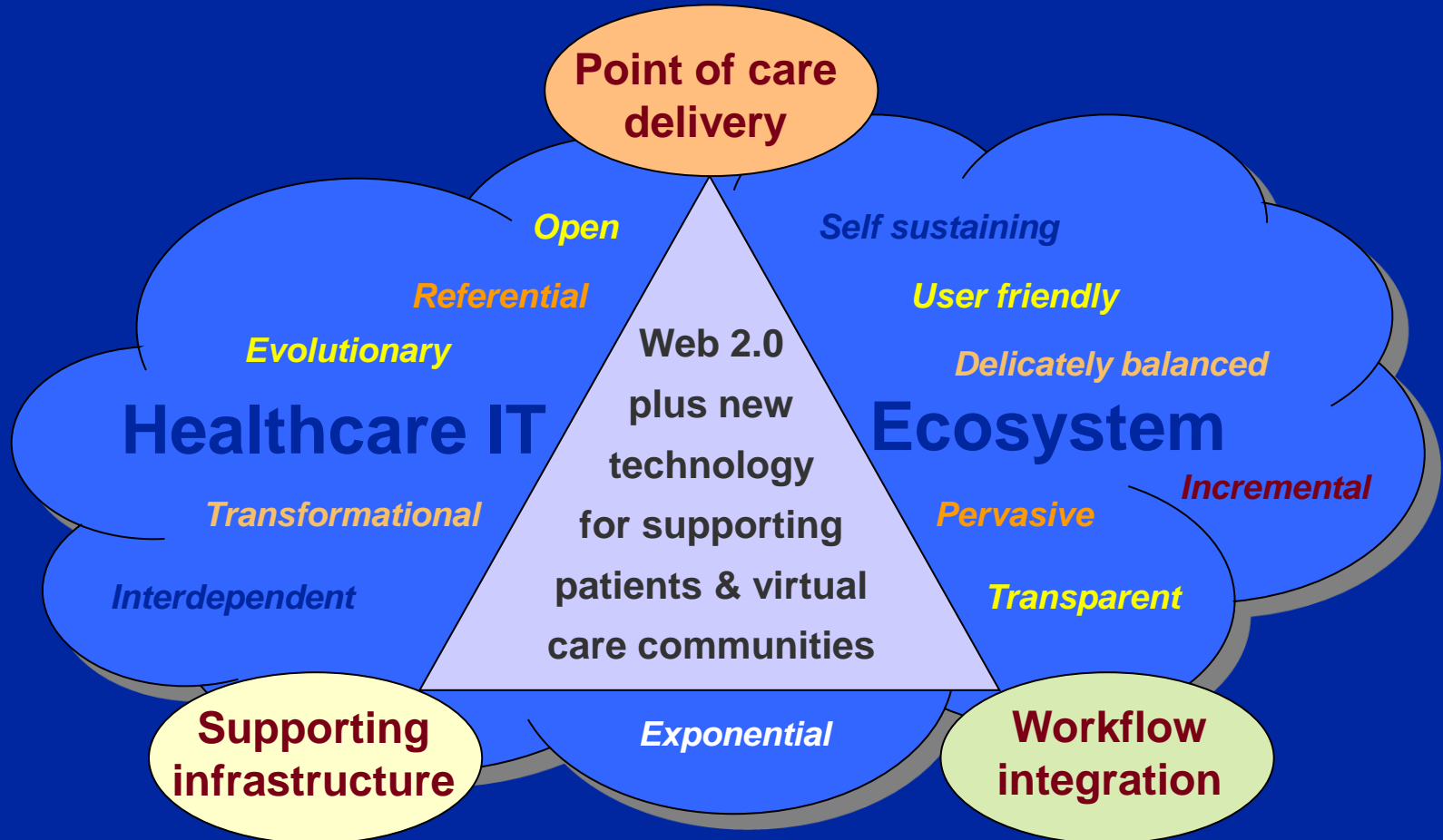


*Congratulations to EHTEL and to  
the management team*

*So, now what next?*



# Healthcare IT ecosystem



*Healthcare IT nearing end of 25 year 'EPR' evolution – and now starting new 'EHR' development cycle*



# 100 years of health records

## Electro Mechanical Health Record

- First example of national health record programme initiated 75 years ago

## Electronic Patient Record

- Institutional computer based record Holy Grail of HIT for past 25 years

## Electronic Health Record

- Lifetime cradle to grave record combining EPRs from acute and community sources

## Personal Health Record

- Personal health data owned and controlled directly by patients themselves

## Clinical Health Record

- Clinical record integrated with medical devices and diagnostic equipment

## Individualised Health Record

- Patient record including individual genomic and proteomic information

***We can expect at least 25 more years of evolutionary transition***



# Articulating the stages of healthcare IT evolution

## Discovery

- Discovery of potential for IT in healthcare
- Changing healthcare process to facilitate IT

## Acceptance

- Redefinition of scope for healthcare IT
- Accepting IT contribution to modernisation

## Realisation

- Realising need to find own healthcare solutions
- Achieving integration of clinical applications

## Exploitation

- Subsuming IT into normal healthcare processes
- Exploitation of large scale pervasive technologies

*Early IT strategies have failed due to lack of technical functionality and inability to evolve towards meeting uniquely complex healthcare industry process needs*



# Predicting the timing of healthcare IT evolution

## Discovery (1985 to 2000)

- Applying IT thinking to healthcare processes
- IT industry looking inwards for market opportunities

## Acceptance (2000 to 2010)

- Transition towards wider industry concept of eHealth
- Understanding healthcare is different from other sectors

## Realisation (2010 to 2020)

- Integration of IT with emerging medical technologies
- Healthcare looking outwards for effective solutions

## Exploitation (2020 to 2035)

- Large scale use of ubiquitous and mobile computing
- Deployment of pervasive 'embedded' technologies

***Healthcare differs radically from other sectors and HIT will only be effectively implemented with active clinical support to help integrate IT and medical technologies***



# Healthcare IT looking forward

## Healthcare Environment

- Europe facing period of financial constraint
- Demographic changes will kick in by 2025
- Paternalistic healthcare systems in trouble
- Quantum productivity gains are needed

## Impact of Standards

- Universal EHR is still 25 years away
- Medtech will drive process standardisation
- Industry will continue to lead IT standards
- New IT developments will solve old problems

## Role of Technology

- IT will be deployed for increased productivity
- Platform computing will supersede integration
- Component apps will revolutionise markets
- Medical technology will subsume healthcare IT



*Plenty of exciting challenges and opportunities lie ahead for EHTEL*

*Good luck for the next 10 years!*