

# The holistic approach to e-Health: a new model aiming at excellence

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tomorrow?  
what's behind the corner?



**A TECHNOLOGICAL TSUNAMI  
ARE WE READY TO SURF IT?**

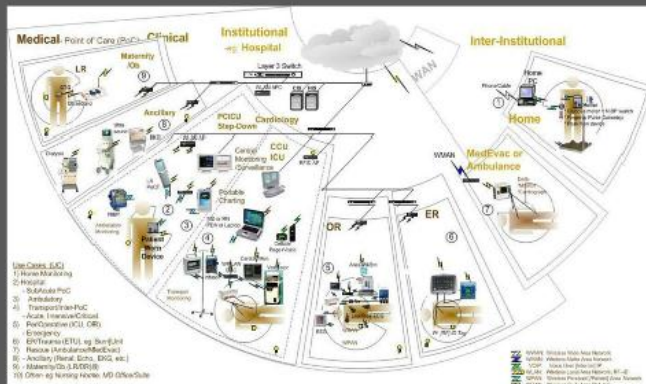


## Present challenges

- increase in the demand for healthcare services
- request for better efficiency
- need for personalized care
- widespread communication

## Behind the corner

millions of medical devices connected, wired or wireless, among them,  
among the different departments and with the outside world

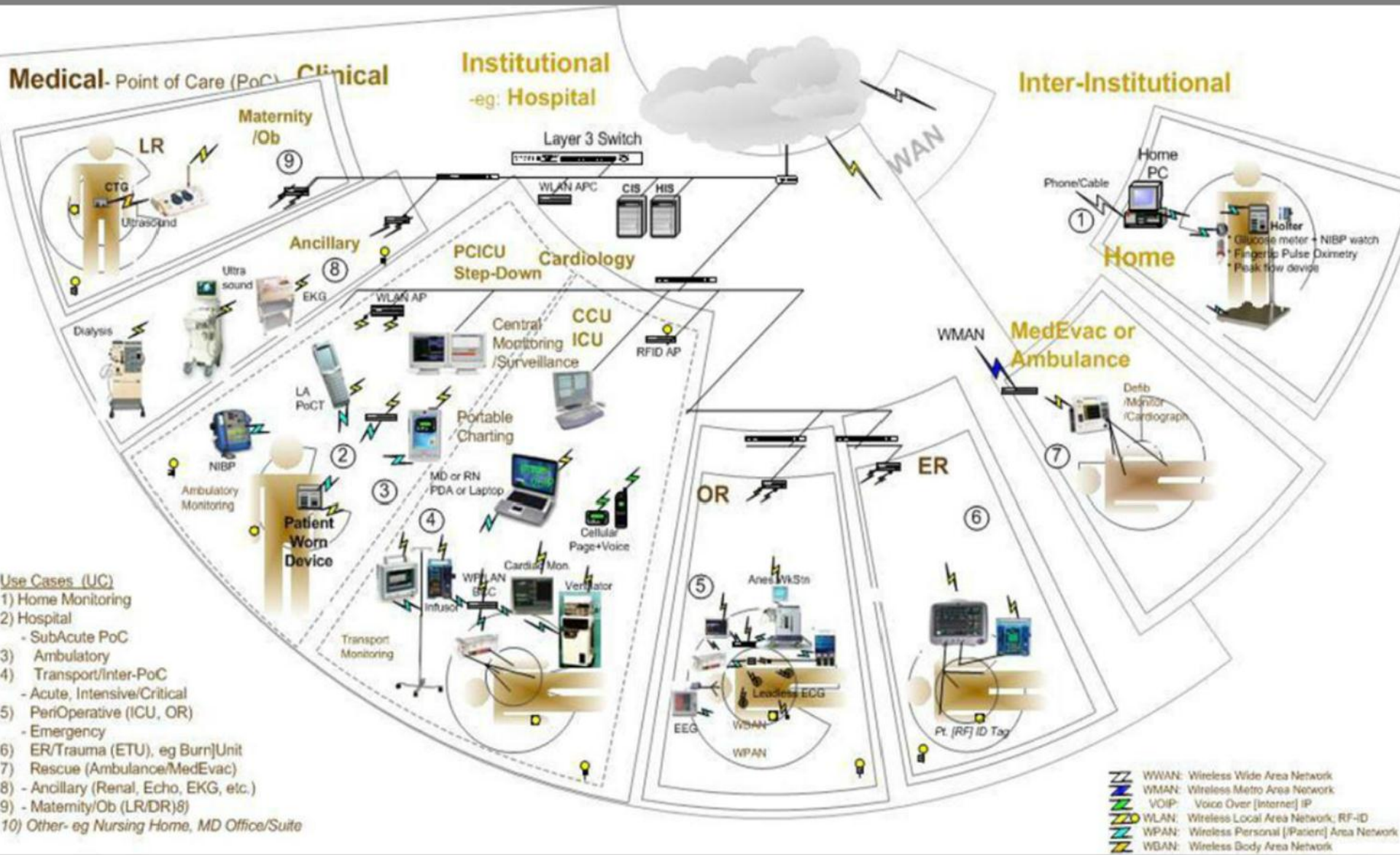


millions of patients connected, wired or wirelessly, among them, with multiple interest groups and with the healthcare professionals





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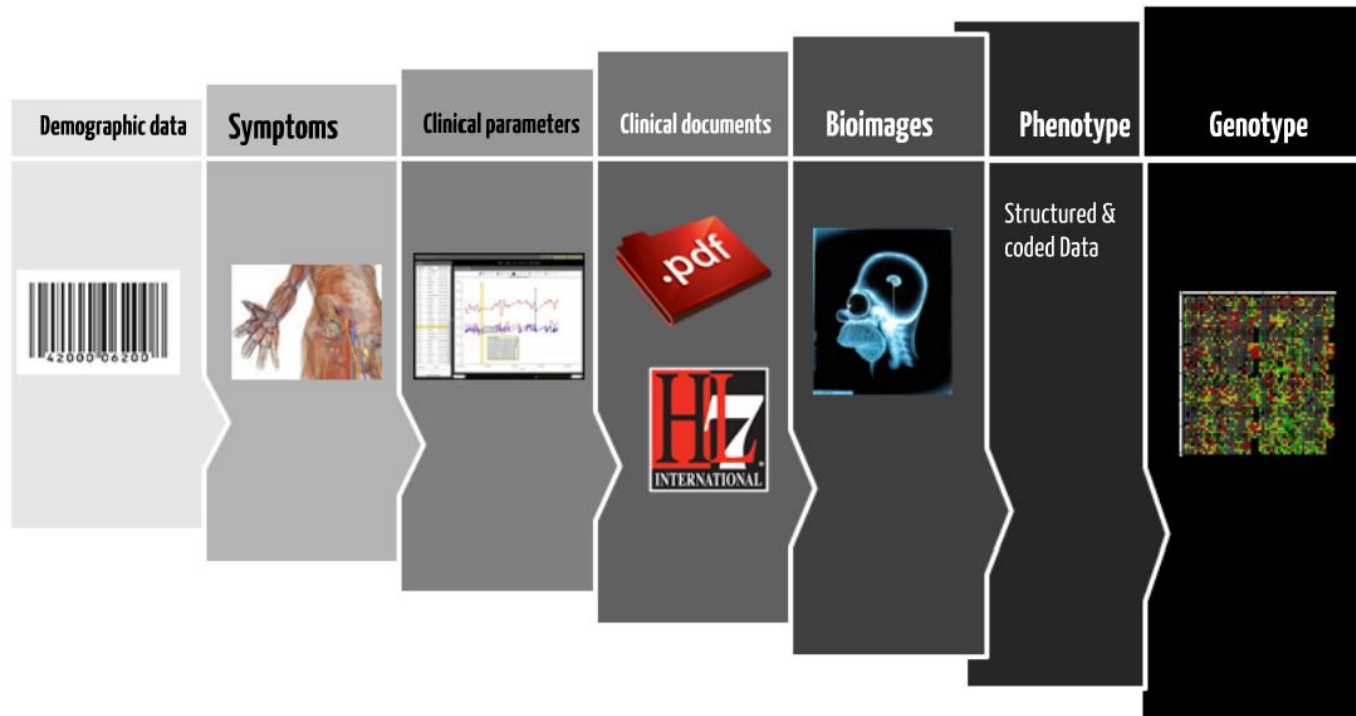


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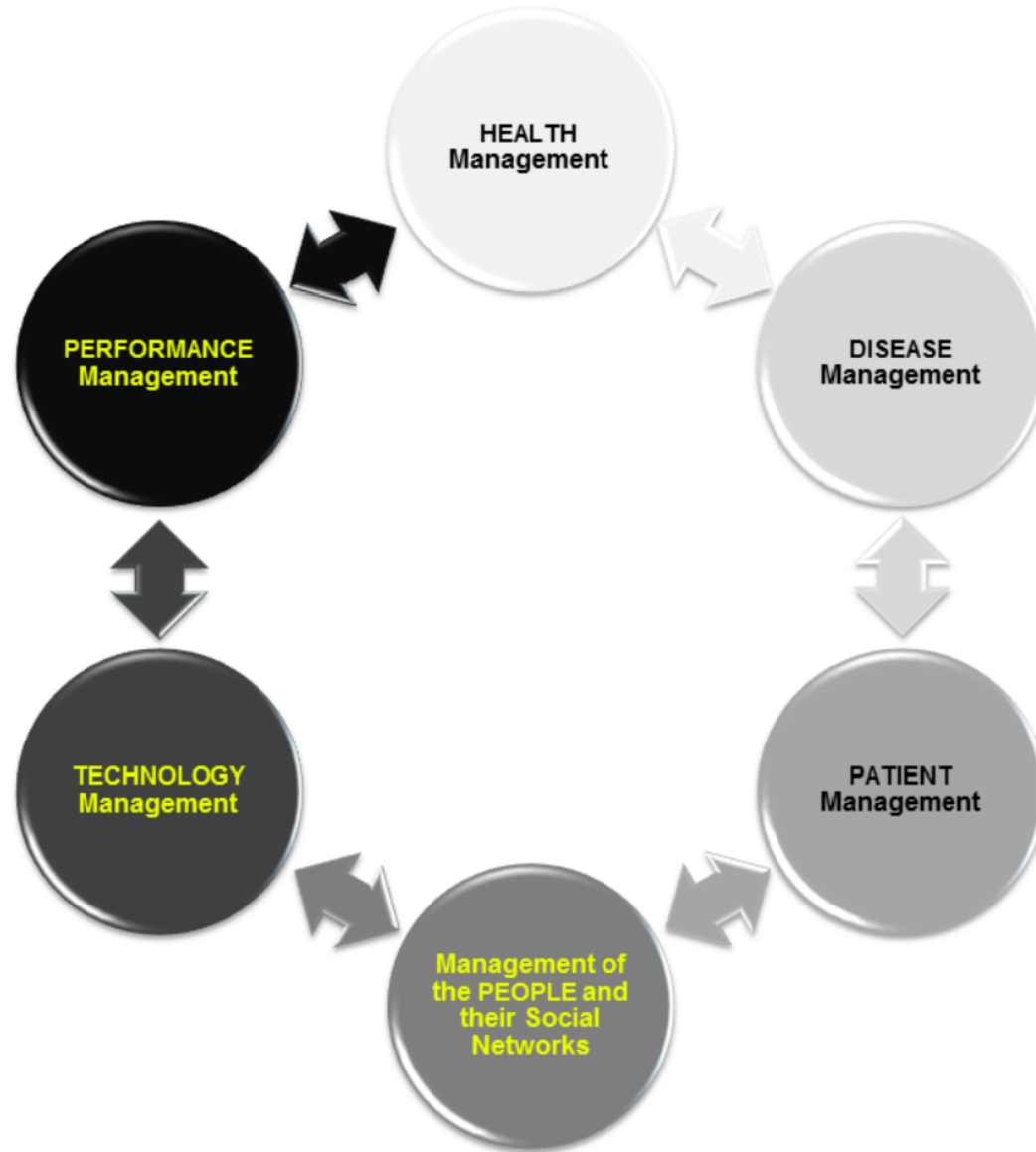


# Evolution of the digital management of clinical data





# We need an Holistic approach to e-Health





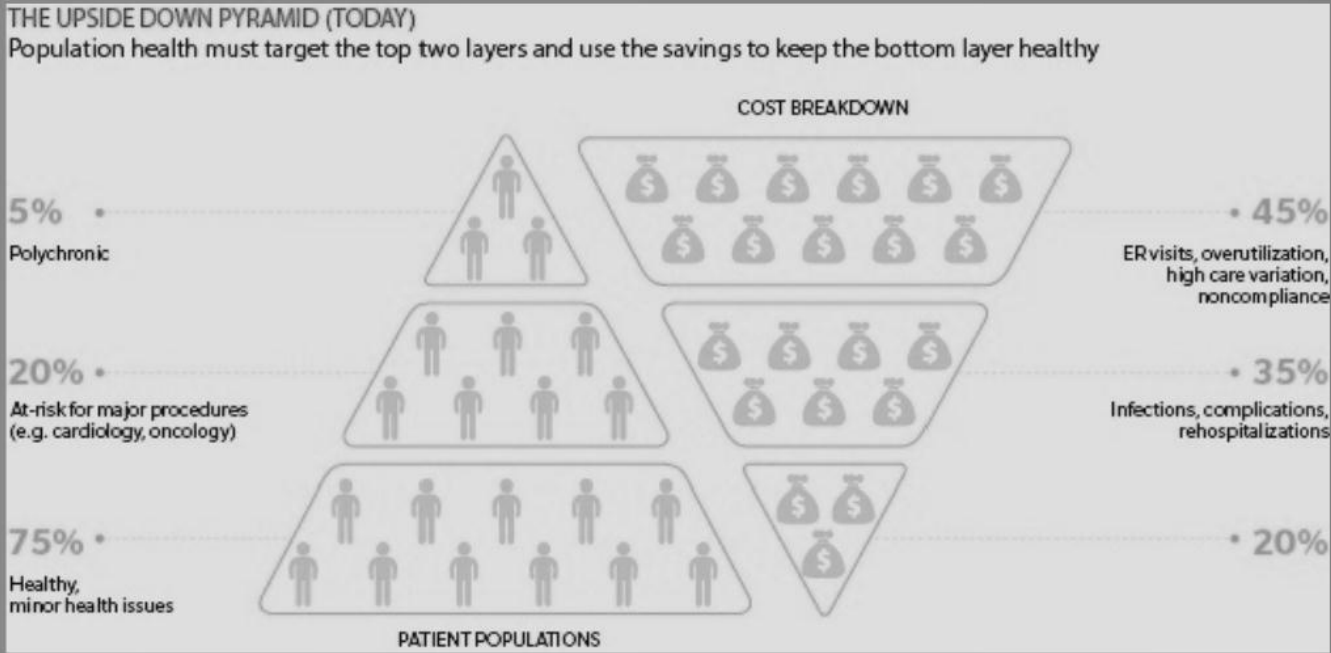
**HEALTH  
Management**






Healthcare is an information-dependent industry. The science is better, the practice is better, care is better—with data. It's essentially an information-dependent service"

Kaiser Permanente's Halvorson



Veneto Region: Cancer screening program





**DISEASE  
Management**



# FROM "VERTICAL" VISION TO PROCESS MANAGEMENT

ICT must link information from different sources and support the healthcare professionals in the clinical pathways



University Hospital Birmingham:  
Super Scheduler System





**PATIENT  
Management**



The different professionals must be enabled to share  
the relevant data with a focus on the patient



**LHA Alto Adige: Multidisciplinary Medical Record**





**Management of  
the PEOPLE and  
their Social  
Networks**



**The services network must work as a system of integrated knots for the fulfilment of the citizens' social- and health-care needs**



**Veneto Region: Home telemonitoring of patients with chronic diseases**





**TECHNOLOGY  
Management**




**Technology acquisition and management should be increasingly planned as a part of an integrated system.**

EMR Adoption Model <sup>SM</sup>	
Stage	Cumulative Capabilities
Stage 7	Complete EMR; CCD transactions to share data; Data warehousing; Data continuity with ED, ambulatory, OP
Stage 6	Physician documentation (structured templates), full CDSS (variance & compliance), Closed Loop Medication Administration
Stage 5	Full complement of Radiology PACS
Stage 4	CPOE, Clinical Decision Support (clinical protocols)
Stage 3	Nursing/clinical documentation (flow sheets), CDSS (error checking), PACS available outside Radiology
Stage 2	CDR, Controlled Medical Vocabulary, CDS, may have Document Imaging; HIE capable
Stage 1	Ancillaries – Lab, Rad, Pharmacy - All Installed
Stage 0	All Three Ancillaries Not Installed

**HCA Rovigo: HIS - Stage Level 6 (HIMSS Analytics Europe)**





**PERFORMANCE  
Management**



A close-up photograph showing several hands of different skin tones (light, medium, and dark brown) reaching towards the center of the frame. The hands are positioned in a circular pattern, with fingers slightly curled as if about to clasp or support something in the middle. The background is a plain, light color, making the hands stand out. The overall composition conveys a sense of teamwork, diversity, and shared purpose.

**The Holistic Approach allows the  
rationalization of the resources and  
the improvement of clinical outcome**



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