



ITU: Providing ICT solutions for e-health

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International Telecommunication Union

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ITU allocates (1) frequency spectrum to different services, (2) satellite orbit assignments, (3) numbers and identifiers



UNITED STATES FREQUENCY ALLOCATIONS THE RADIO SPECTRUM



Committed to Connecting the World



A sample of ITU's private sector members



Committed to Connecting the World



ICTs & e-health play vital role in achieving MDGs



MDG 4: To reduce child mortality rates

MDG 5: To improve maternal health

- Joint WHO-ITU publication
- 64-country study

http://www.itu.int/pub/D-STR-E_HEALTH.06-2014

MDG: Millennium Development Goals

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Why standards are important



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There are too many non-interoperable e-health systems and applications



Standards and eHealth

ITU-T Technology Watch Report
January 2011

Health systems that are not interoperable impede the delivery of health care services and information and prevent the improved access to health care services and health information, particularly in the developing world. Existing efforts should include cross-national health interoperability standards, increasing technical interoperability, and addressing privacy, security, and other requirements.



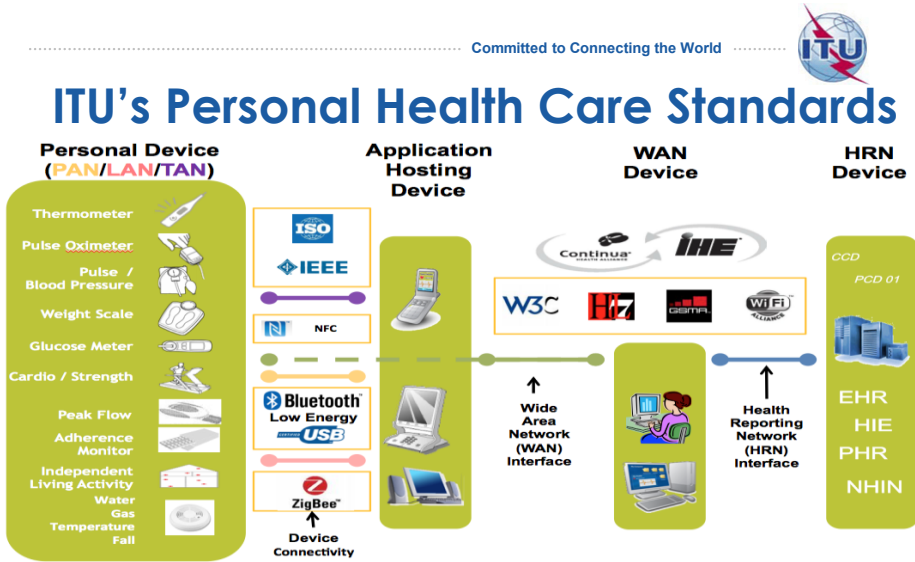
E-health Standards and Interoperability

ITU-T Technology Watch Report
April 2012

E-health systems can potentially improve health care, improve health care services, and extend mobile health applications. However, the proliferation of e-health and data for business through information and communication technology standards efforts that facilitate interoperability among systems and devices, provide consistent policy and security, address the unique needs of the developing world, and encourage existing technologies such as social media applications, the public domain,



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- ITU-T H.810 Interoperability design guidelines for personal health systems(= transposition of Continua Healthcare Guidelines) – Dec 2013
- ITU-T H.860: Multimedia e-health data exchange services: data schema and supporting services (ongoing)
- H.820-H.849: Interoperability compliance testing of personal health systems (HRN, PAN, LAN and WAN) (ongoing)



ITU-WHO: “Be He@lthy Be Mobile”

- mHealth solutions (SMS, apps) against Non-Communicable Diseases
- Pilots: 8 countries in 4 years.
 - Costa Rica for Smoking Cessation
 - Senegal for Diabetes Prevention and Control





Further Publications



- ✓ The ITU-WHO **National eHealth Strategy Toolkit** (2012)
- ✓ http://www.itu.int/pub/D-STR-E_HEALTH.05-2012

- ✓ **ICT for improving information and accountability for Women's and Children's Health** (2013)
- ✓ <http://www.itu.int/en/ITU-D/ICT-Applications/Documents/ColA%20Background%20ICT4RMNC-H.pdf>

- ✓ The Scaling eHealth Services in step with ICT transformation (2011)
- ✓ <http://www.itu.int/ITU-D/cyb/app/docs/Scalingg%20e-Health-E.pdf>

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For more information

- <http://itu.int/en/ITU-T/e-Health>
- <http://www.itu.int/en/ITU-D/ICT-Applications/Pages/EHEALTH.aspx>

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