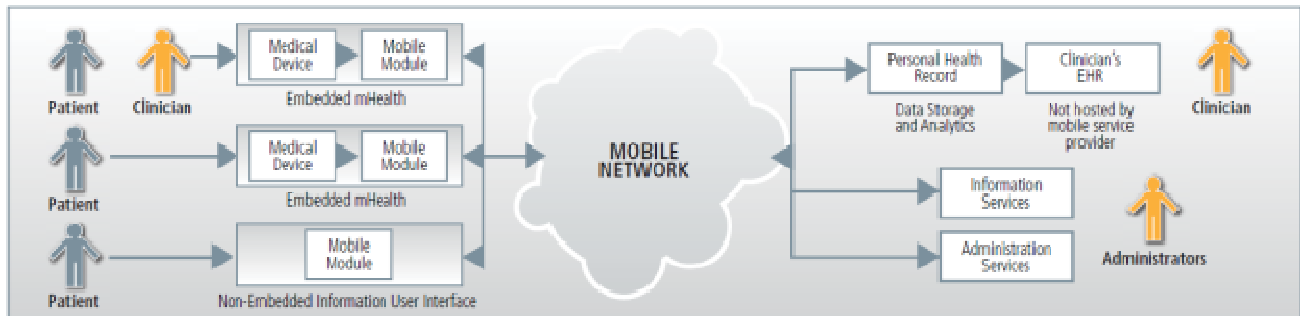


## mHealth technologies and applications

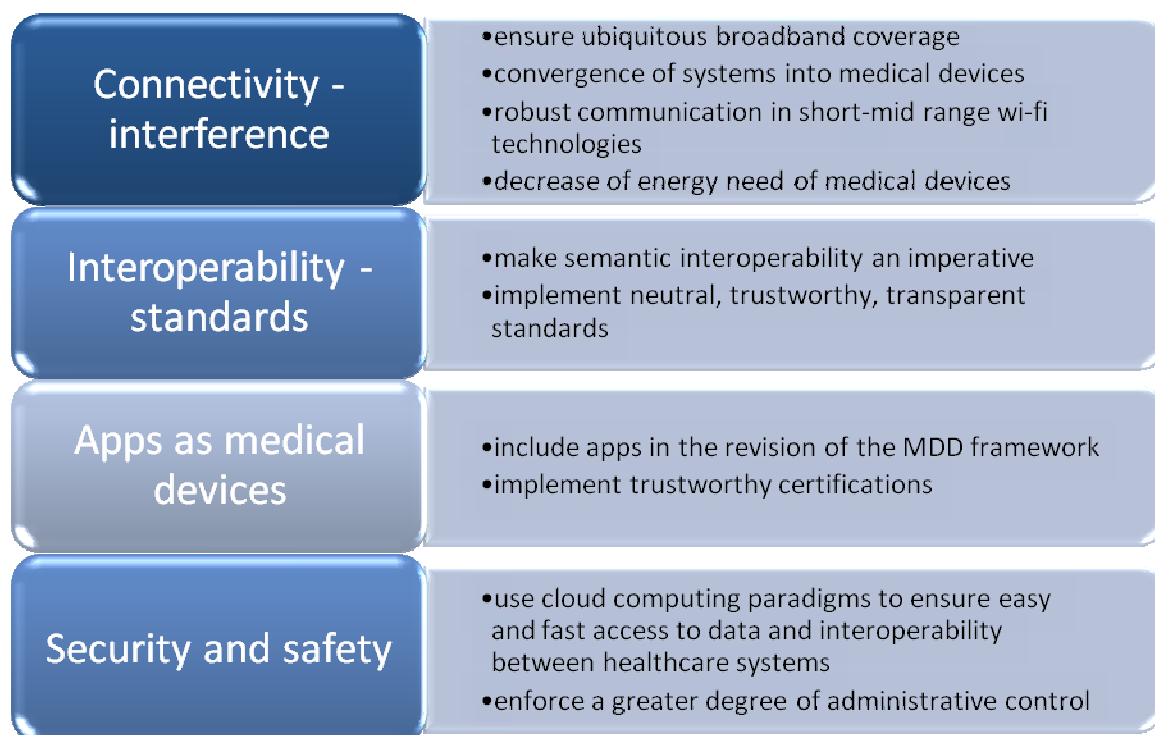
Although a reference architecture for mHealth does not exist yet (most of the current solutions have been developed as closed, end-to-end systems) there are a number of common architectural components within existing mHealth solutions that can be organised as shown in the figure below:



*Architecture for Mobile Health (Source: GSMA-Mobile Health)<sup>1</sup>*

Central to mHealth architectures is the mobile channel of delivery and assorted ways in which health can be delivered through that channel. The key is the use of protocols (e.g. IP, GSM, 3G, mid-short range wireless technologies, etc.) to communicate over a mobile network.

mHealth technologies and applications face challenges of connectivity and interference, interoperability and standards, security and safety, and compliance with the medical device framework.



<sup>1</sup> Mobile Health Technology and Architecture: A Practical Framework for Technology Assessment for Mobile Health, GSMA – Mobile Health, September 2011

