



The Use of Small Cell Architecture In Hospitals

Marty Miller
1 Feb 2012



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The Evolution of Wireless in Healthcare

- **Consumers** expect and demand wireless connectivity
- **Enterprise** must use wireless for productivity
- **Medical Grade** wireless devices demand assurance

SMALL CELL ARCHITECTURE ALLOWS EACH GRADE OF SERVICE WITH THE APPROPRIATE LEVEL OF ASSURANCE

Medical Grade Wireless Utility

West Wireless Health Council

A not for profit, hospital led initiative to ...

Create - platform for wireless health in hospitals & senior living facilities

Open - to existing & new innovative wireless health solutions

Enable - ubiquitous health care delivery independent of infrastructure

Achieve – pervasive, effective and affordable wireless health solutions

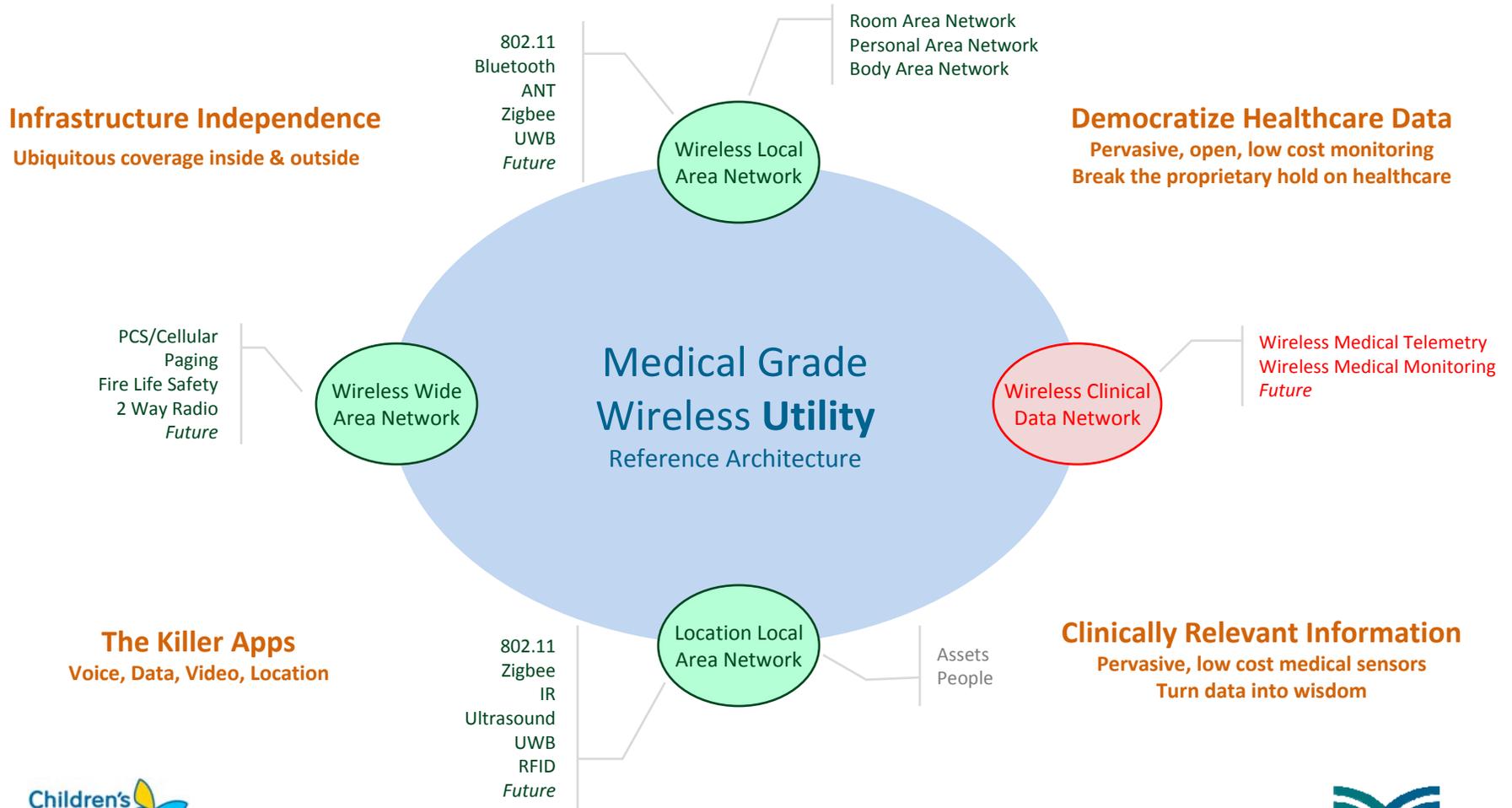
Small Cell Architecture Will Play a Key Role



Where Small Cell Fits in the MGWU

Network	Consumer Grade	Enterprise Grade	Medical Grade <small>Wireless Clinical Data Network</small>
Wireless Wide Area Network			The use of Small Cell Architecture to enable assurance for medical grade wireless devices
Wireless Area Network <small>Local, Room, Personal, Body</small>			
Location Local Area Network			

Medical Grade Wireless Utility Reference Architecture



Case For Action

Hospitals have become the most complex, mission and life critical deployment of consumer, enterprise and medical grade wireless devices and solutions

Hospitals are ideal for the use of Small Cell Architecture solutions integrated into the Medical Grade Wireless Utility

CHLA is ready to be a beta site for Small Cell





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