

Career Panel CAS 2018

# My research career as an Anesthesiologist

**Mark Ansermino**

*Pediatric Anesthesiologist*



# The pediatric anesthesiologist

---



# The health informatician

---





# Anesthesia Research

Why research matters!

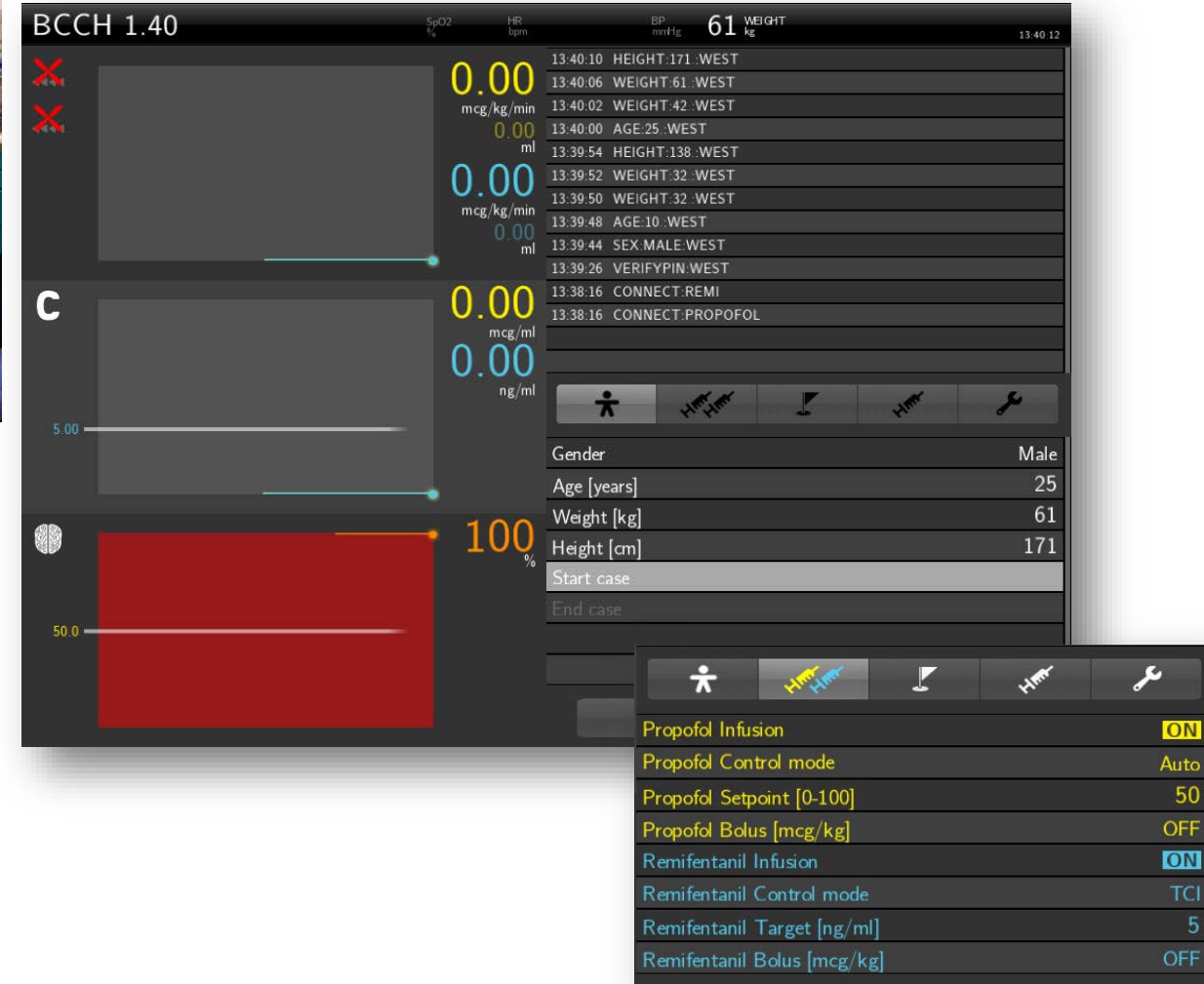
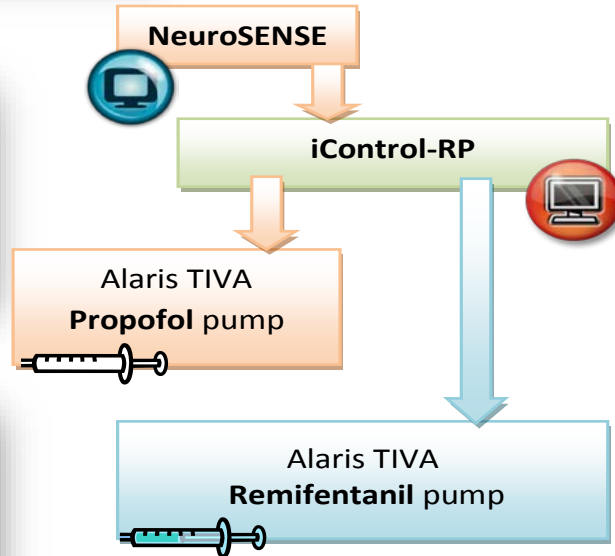




**Find the next BIG thing**



# Anesthesia Automation

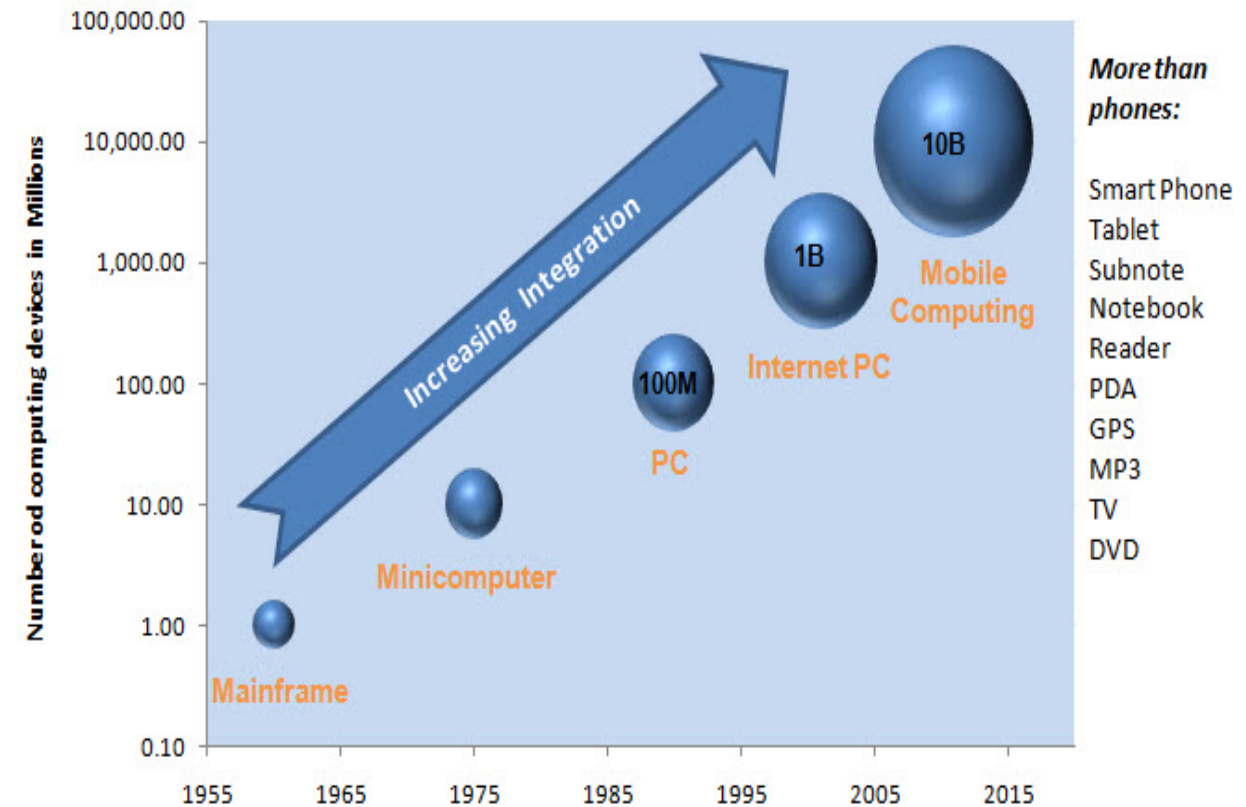




# The mHealth Revolution

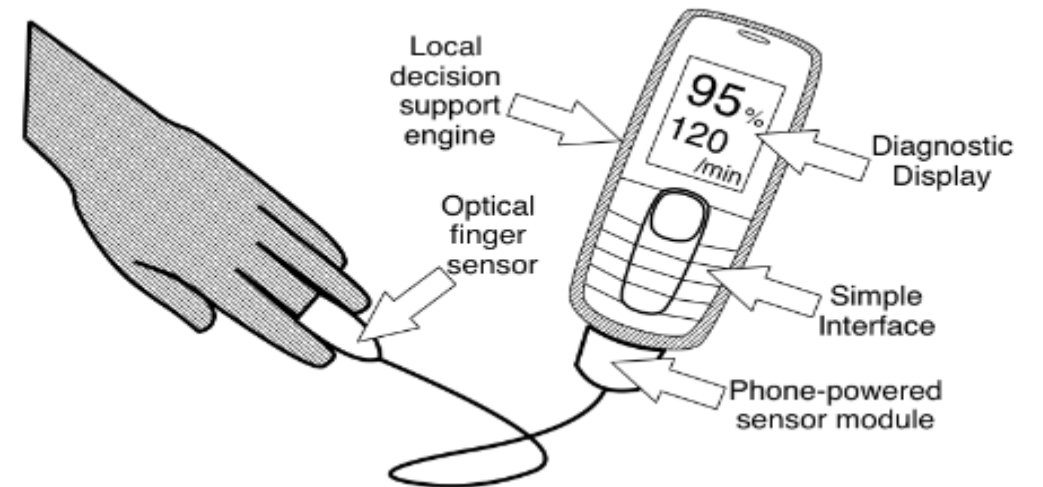


Growth in users/ computing devices



Globally, 6 in 10 adults have a cell phone contract - WHO

# The Phone Oximeter





# Pulse Oximetry – prototype to product

**777 000 (19%) of  
operating rooms  
have no pulse  
oximetry**

Funk, L. M., Weiser, T. G., Berry, W. R., Lipsitz, S. R., Merry, A. F., Enright, A. C., et al. (2010). **Global operating theatre distribution and pulse oximetry supply: an estimation from reported data.** *The Lancet*, 6736(10), 1-9.



**Mobile  
Oximeter**



**Audio  
Oximeter**



**LionsGate**  
— TECHNOLOGIES —

**Kenek  
Edge/ O2**

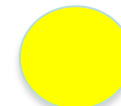
## Pulse oximetry unleashed :



**Pre- eclampsia**



**Sepsis in children at home**



**Post sepsis mortality**



<http://www.thesensorproject.org/>



**Thank you**

