

James P Marcin, MD, MPH

Professor, Pediatric Critical Care

Director, Center for Health and Technology

Dr. Marcin is currently Professor and Vice Chair for Clinical Research in the Department of Pediatrics at the UC Davis School of Medicine. He is also the Director of the Center for Health and Technology at UC Davis Health. He completed medical school at UC San Diego, pediatric residency at UCSF, and pediatric critical care fellowship at Children's National Medical Center in Washington DC. He also has an MPH in Biostatistics from George Washington University. In addition to being passionate about his clinical work in the Pediatric ICU, he conducts research in telehealth related to access and quality of care, particularly as it relates to acutely ill and injured children in rural and underserved communities. His clinical and research teams' focus are to leverage digital health technologies to improve the care delivered to patients in an efficient and cost-effective manner.



Medical Board of California Update on Telehealth

James Marcin, MD, MPH
UC Davis Health
jpmarcin@ucdavis.edu
January 30, 2020



Goals - Outline

- Overview of Telemedicine
- Expected future of Telemedicine
- What physicians should know about Telemedicine



Telemedicine – Telehealth

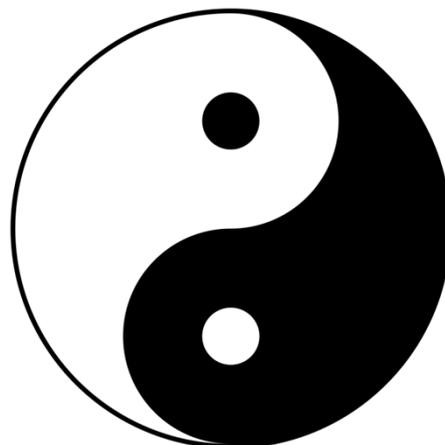
Healthcare over distance using telecommunications technology

1. Live interactive
2. Store-and-forward
3. Remote patient monitoring
4. Direct to patient care



Why Telemedicine?

Regionalization
improves
efficiency and
quality



Use of
technology to
INCREASE
efficiency



Opportunities for Telehealth



Access

Distance barriers
 Provider shortages
 Lack of specialists



Experience

Patient centered
 Convenience for consumers



Effectiveness

Improvements in efficiency and quality of care



Value – Costs of Care

Potential reductions in health care costs

Outpatient – Inpatient – Urgent Care – Video Visits – RPM
 Palliative Care – School Based – Nursing Facilities – Home

UC DAVIS CHILDREN'S HOSPITAL



Future of Telehealth

- Chronic Disease Management
- Passive Monitoring
- 25% population = 75% of costs
- Silver Tsunami

- Direct to Patient Care



The Future of Healthcare is Here
 See a doctor or therapist anytime, anywhere.
[Get Started](#)

UC DAVIS CHILDREN'S HOSPITAL



Barriers to Adoption

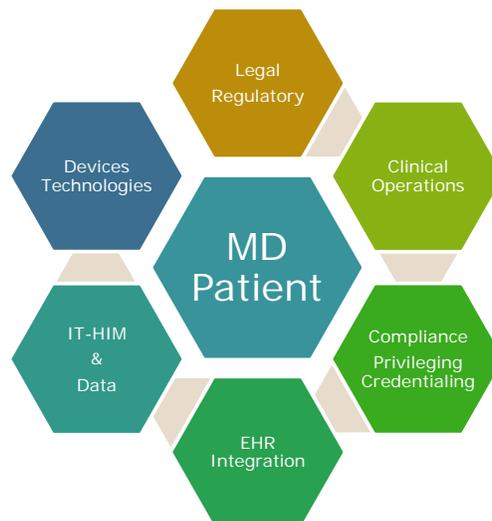
- Workforce
- Parity (AB 744)
 - Medicare; FQHC / RHC
- Models of payment
 - FFS / Per Click / Subscription
 - Capitated Care
- Liability – Licensure – Credentialing by proxy



UC DAVIS CHILDREN'S HOSPITAL



What physicians should know...



UC DAVIS CHILDREN'S HOSPITAL



Telemedicine: Words of Caution....

- Implementing Direct to Consumer Care
- Tele-ICU (Mayo Clinic Experience)
- IDEA Randomized Trial
- BEAT HF Randomized Trial

- More research is needed...

UC DAVIS CHILDREN'S HOSPITAL



Summary on Telemedicine Reimagining Health Care Delivery

- Patient-centric and convenient
- Efficient and cost-effective
- Population health: manage chronic conditions

- Delivery models (payment) need to be changed ...

UC DAVIS CHILDREN'S HOSPITAL



Thank You!

James Marcin, MD, MPH
UC Davis Health
jpmarcin@ucdavis.edu
January 30, 2020