## UPMC LIFE CHANGING MEDICINE

# A Virtual Care Journey: Expanding to an International Footprint

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WG Watson, MD World War 2 - 1943 – South Pacific



AR Watson MD November 4, 2015 – Pittsburgh PA

Healthcare has come a long way



### Family of Physicians



DR. WILLIAM W. MAYO, HOURS 1:30 TO 4 P. M. TELEPHONE NO 252.

DR. WILLIAM J. MAYO, HOURS 8 TO 9 A. M., 1:30 TO 4 P. M. TELEPHONE NO. 112.

DR. CHARLES H. MAYO, HOURS 8 TO 9:30 A. M., 1:30 TO 4 P. M. TELEPHONE 114.

DR. A. W. STINCHFIELD, HOURS 8 TO 9:30 A. M., 1:30 TO 4 P M. TELEPHONE 115.

DR. C. GRAHAM, HOURS II A. M. TO 12 M., 7 TO 8 P. M. TELEPHONE 124.

SUNDAY HOURS II A. M. TO I P. M.

OFFICE CORNER ZUMBRO AND MAIN STREETS. TELEPHONE 211.

#### ROCHESTER, MINNESOTA.



Charles M. Watson



James R. Watson



William G. Watson



Charles G. Watson



## The digital era - a new world order





Implications - The context of our landscape is crucial to understand how telemedicine is safe and effective.

!! My patient found a
 live donor on
 Facebook !!

(clinic Nov 2018)

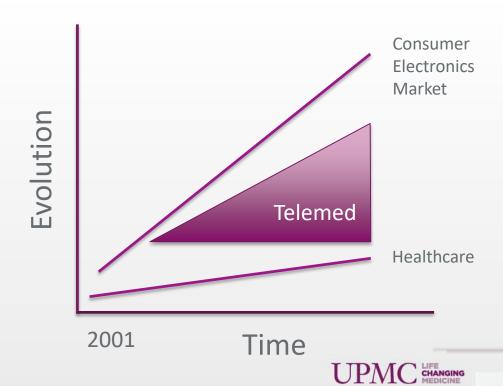






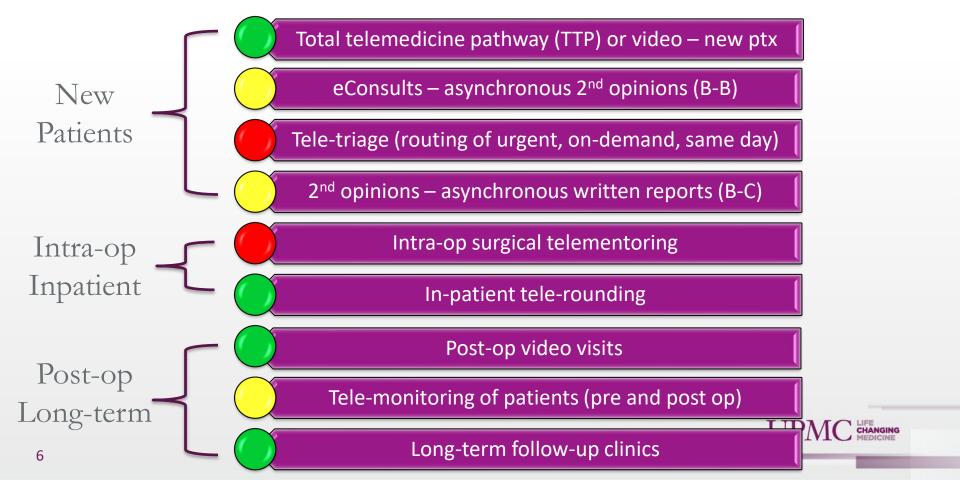
### Harness consumer electronics - and the gap





### Surgery telemedicine menu of services

Updated May 2024



# Total Telemedicine Pathway (TTP) Mission & Vision

#### Mission

New surgical patient access and clearance is conducted entirely with telemedicine.

#### Vision

Empowering surgeons to expand their reach and access to new patients, from any location, using a telemedicine pathway for access and clearance.



### Why Should Surgeons Leverage TTP?

Agile and efficient way to expand surgical referral **networks** and revenue without travel, including out of state\*

Patients are more familiar with telemedicine. We must recognize this and evolve towards new surgical patients

➤ Virtual competition is inevitable, we need to play defense (WVU, CCF)

Physicians and patients do not always wish to travel to clinics.

➤ Telemedicine is expanding in both of clinical experience and technical capabilities



<sup>\*</sup> We need licenses in states we plan to target

# TTP Pathway (clinical operational model)

Office drives new patient TTP intake Surgeon / new patient telemedicine visit Virtual Clearance DAS FTF meeting, to surgery



## Center for Perioperative Care The Center for Perioperative Care (CPC) is dedicated to improving the coordination of perioperative care for all

The Center for Perioperative Care (CPC) is dedicated to improving the coordination of perioperative care for all surgical patients and improving clinical outcomes in both outpatient and inpatient settings



**Optimize** perioperative risk to improve *MORTALITY* & reduce:

- \*Complications
  \*Length of Stay
- \*Readmissions



Facilitate shared decision making based on **risk** model



Global coordination of all Anesthesiology Services

including consents for Cardiac, Acute Pain, Chronic Pain, Critical Care, Difficult Airway, Neuro, Echo, & more



Improves adherence
to Anesthesia
Preoperative Testing
Guidelines for
appropriate care and cost
avoidance



### **Stakeholder Benefits**



#### Surgeon

- Increased case volumes / revenue
- Increase division geographical reach
- Decreased travel to expand geography
- Improved satisfaction

#### Patient

- Rapid access
- Decreased cost of travel and stress of travel
- Decreased travel time, PTO, child care
- Increased satisfaction

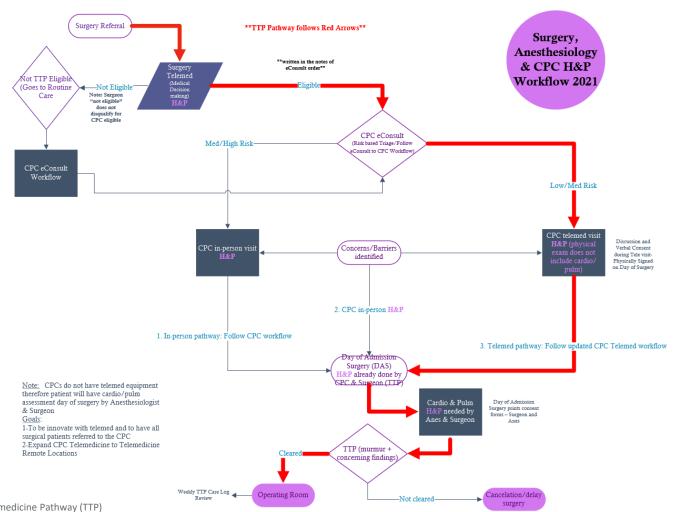
#### Anesthesia

- Expand high-value CPC care
- Increased efficiency
- Increased patient care planning
- Ability for E&M billing

#### UPMC as a whole

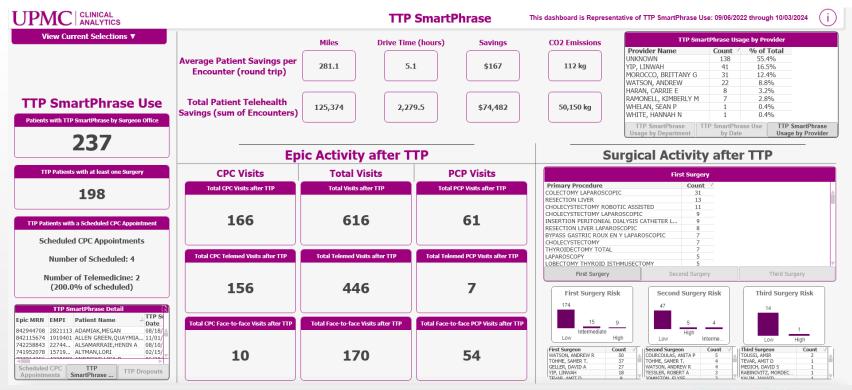
- Offense Increase HSD procedural revenue
- Defense Stay ahead of virtual competition
- IDFS Procedural centers of excellence
- Innovation in procedural care





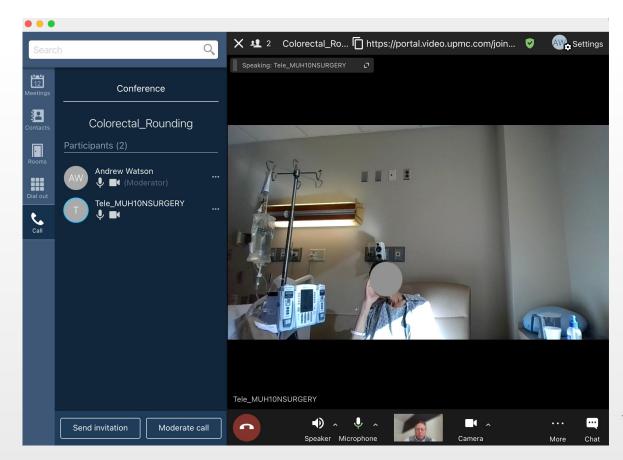


## TTP dashboard





## Tele-round





## Digital Health Isn't Perfect

### PHYSICAL EXAMINATION

VITALS: Blood pressure 94/68.

height (!) 5" (12.7 cm), weight 12 s mg By Mouth mass index is 3,532.26 kg/m².

pain. He misses his perianal abscesses, and the has no signs of deep soft tissue infection, and to over the next Monday if possible. He is to retu

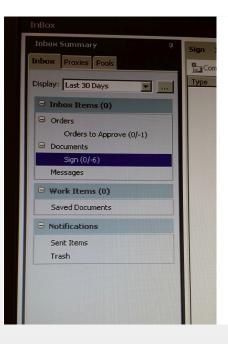
ain, multiple dental caries

#### **ASSESSMENT**

This is a 27-year-old man with complicated Crohn's disease who now has mid small bowel disease after having difficult perianal disease that was managed surgically 4 years ago.

#### PLAN

I had an extensive discussion with the patient as well as the \_\_\_\_scrotum using telemedicine today. The plan is to perform exploratory laparoscopy





## Telemedicine patient selfie





## Warren Buffett

 "Only when the tide goes out do you discover who's been swimming naked"

 We are ready for digital / tele. It is here to stay (as we all know), especially with consumer electronics.

 Far beyond here to stay, telemedicine will revolutionize healthcare. What will your cell phone look like in 3 years?



# Thank you

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