



Connecting and Integrating Care for Rural Areas by a University Medical Center: Telemedicine Services for Pennsylvania

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Division of Colorectal Surgery

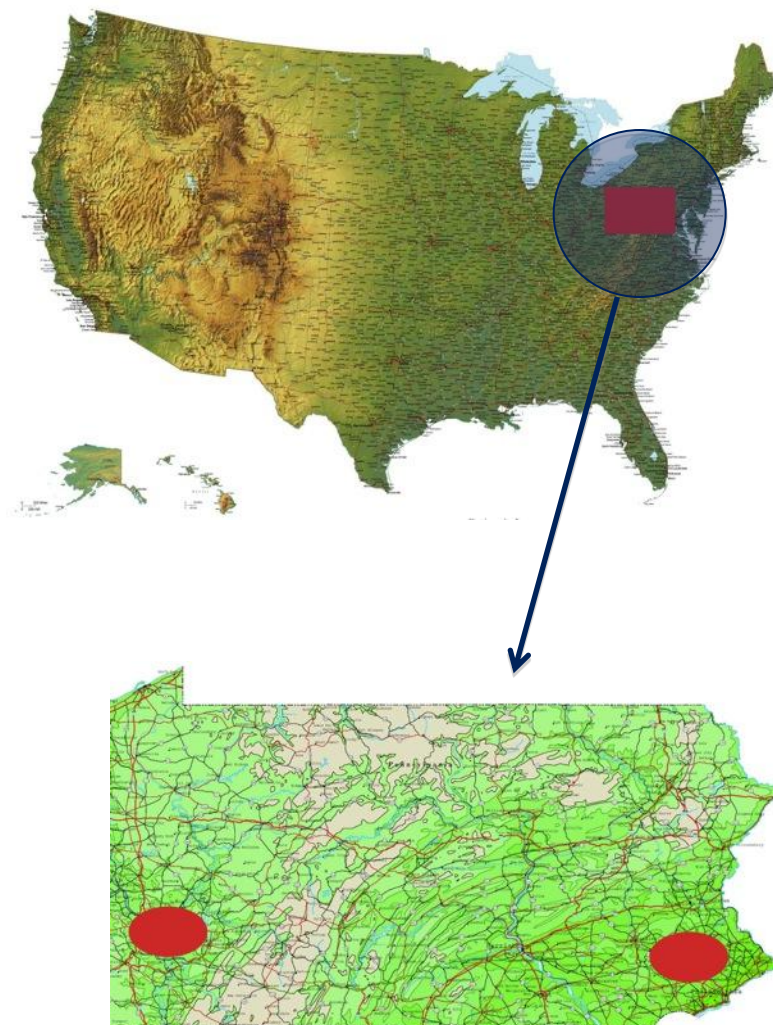
Vice-President, International and Commercial Services

Executive Director, Telemedicine

December 1, 2011

University of Pittsburgh Medical Center

- UPMC
 - 400 care locations
 - 20 hospitals
 - 5000 physicians
 - 1.6m insurance members
- Pennsylvania
 - 6th largest state
 - 3rd most rural state
 - 2 large cities
- Access to care
 - 20% / 11%



TAKING MEDICINE BACK TO THE PATIENTS

TAKING MEDICINE BACK TO THE PATIENTS

**PATIENTS ARE WAITING FOR US
QUALITY AND ACCESS
ETHICAL**

WOUND CHECK

TWO JOBS

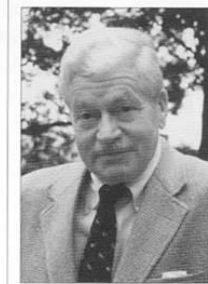
TAKING MEDICINE BACK TO THE PATIENTS



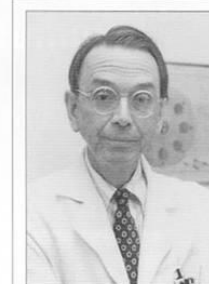
Charles M. Watson



James R. Watson

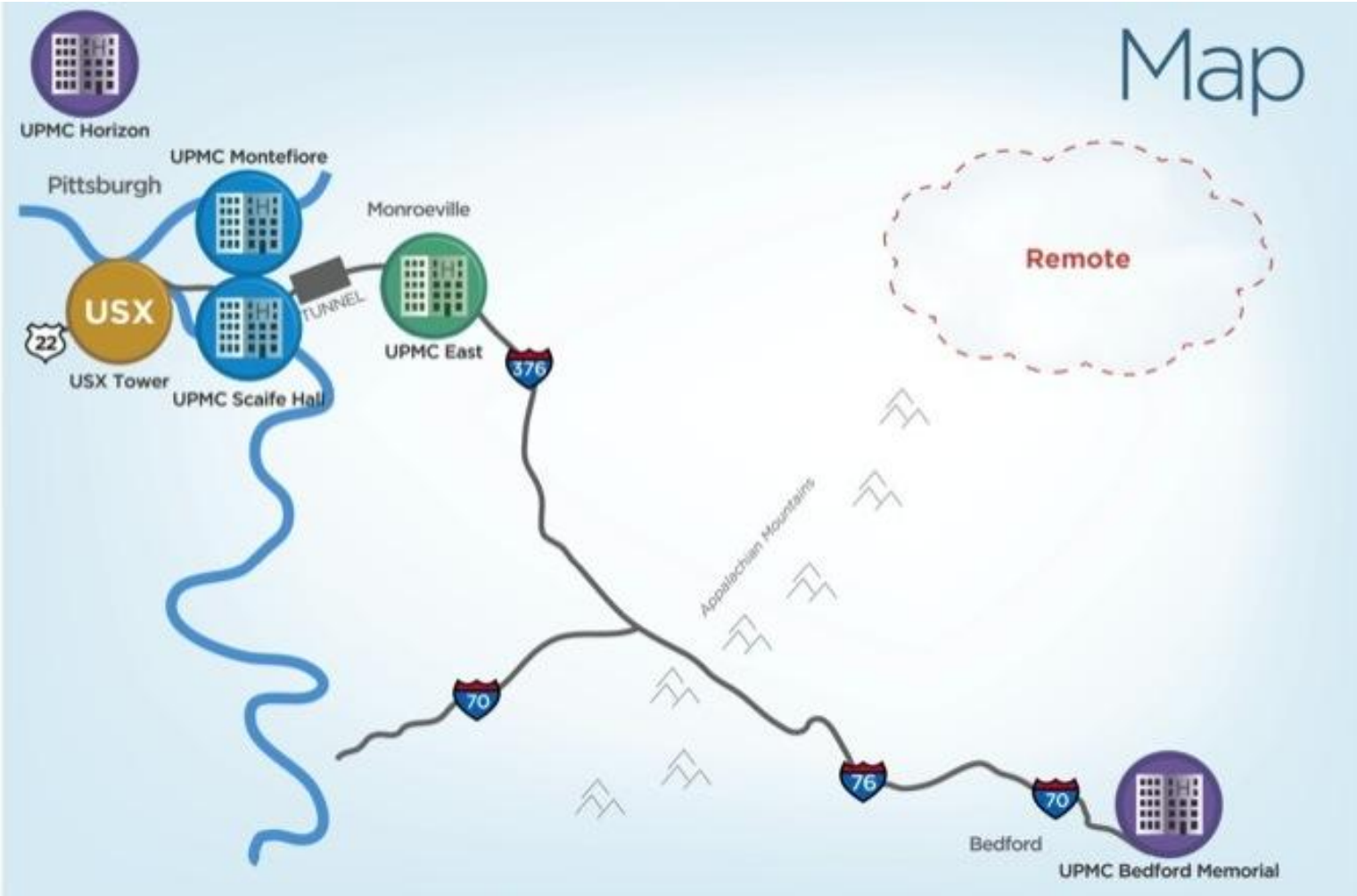


William G. Watson



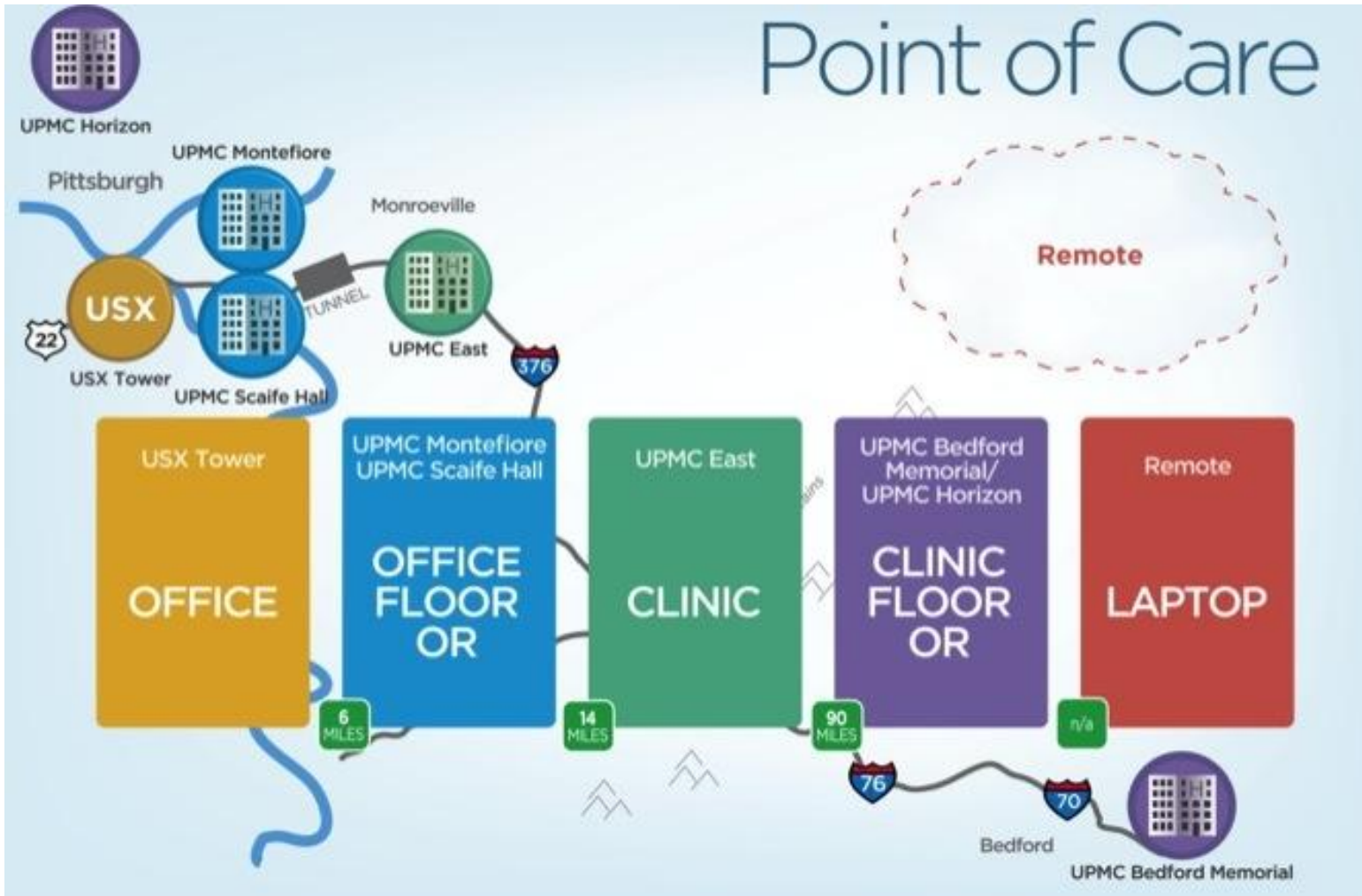
Charles G. Watson

UPMC – NEW CARE MODELS / SMART TECHNOLOGY



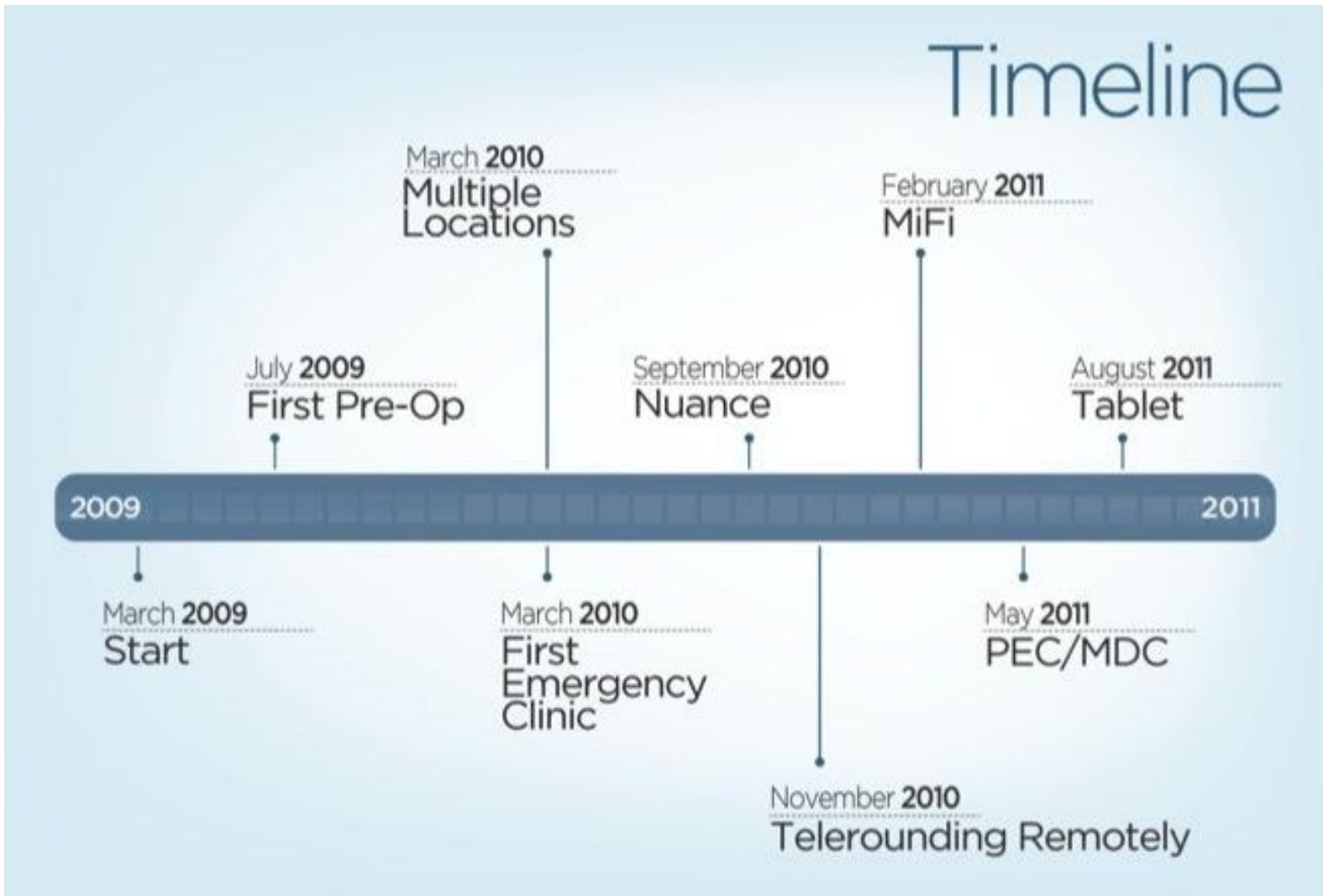
- PATIENTS
- SPECIALISTS
- CARE TEAMS
- TRAVEL

UPMC – NEW CARE MODELS / SMART TECHNOLOGY



- PATIENTS
- SPECIALISTS
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EVOLUTION OF TELEMEDICINE



Rural telemedicine – early outcomes

Telemedicine	Clinics	Rounding
Overall number	166	89
Originating locations	3	10
Destination locations	3	1
Satisfaction	98%	95%
Diagnoses	21	11
Cases captured	35 (27)	n/a
Technical failures	2	2
Patients refusing telemedicine	1 (0)	0
Travel time / money saved	498 h / \$21,546	?? / ??

Tuesday November 29: 36 hours



4 locations
2 physicians
7 inpatient
7 outpatient

6 telerounding
1 second opinion
1 preop
6 postops

3 way calling
wireless carts



Collaboration with Alcatel-Lucent
International Telehealth Symposium, June 2012 (Brussels)