

Disrupting Health Care

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Today's Discussion

- A bit about UCHealth
- Healthcare Transformation
- Next Phase of Transformation
- Getting there and the Disruptors that will take us there
 - Global
 - Social Trends
 - Technological Trends
- What is UCHealth Doing

Who We Are

- \$3.8 billion in revenue
- 11 hospitals (2 new sites under construction)
- 1,770 inpatient hospital beds
- Over 5,000 affiliated or employed providers
- >20,000 employees
- 104,000 admissions and OBS visits
- 11,500 babies delivered
- 61,000 surgeries
- 349,000 emergency room visits
- 2,300,000 clinic visits



Yampa Valley Medical Center
Steamboat Springs



Poudre Valley Hospital
Fort Collins



Medical Center of the Rockies
Loveland



Longs Peak Hospital
Longmont



Broomfield Hospital
Metro Denver



Greeley Hospital
Greeley (2Q 2018)



University of Colorado Hospital
Metro Denver



Highlands Ranch Hospital
Metro Denver (2Q 2018)



Memorial Hospital North
Colorado Springs

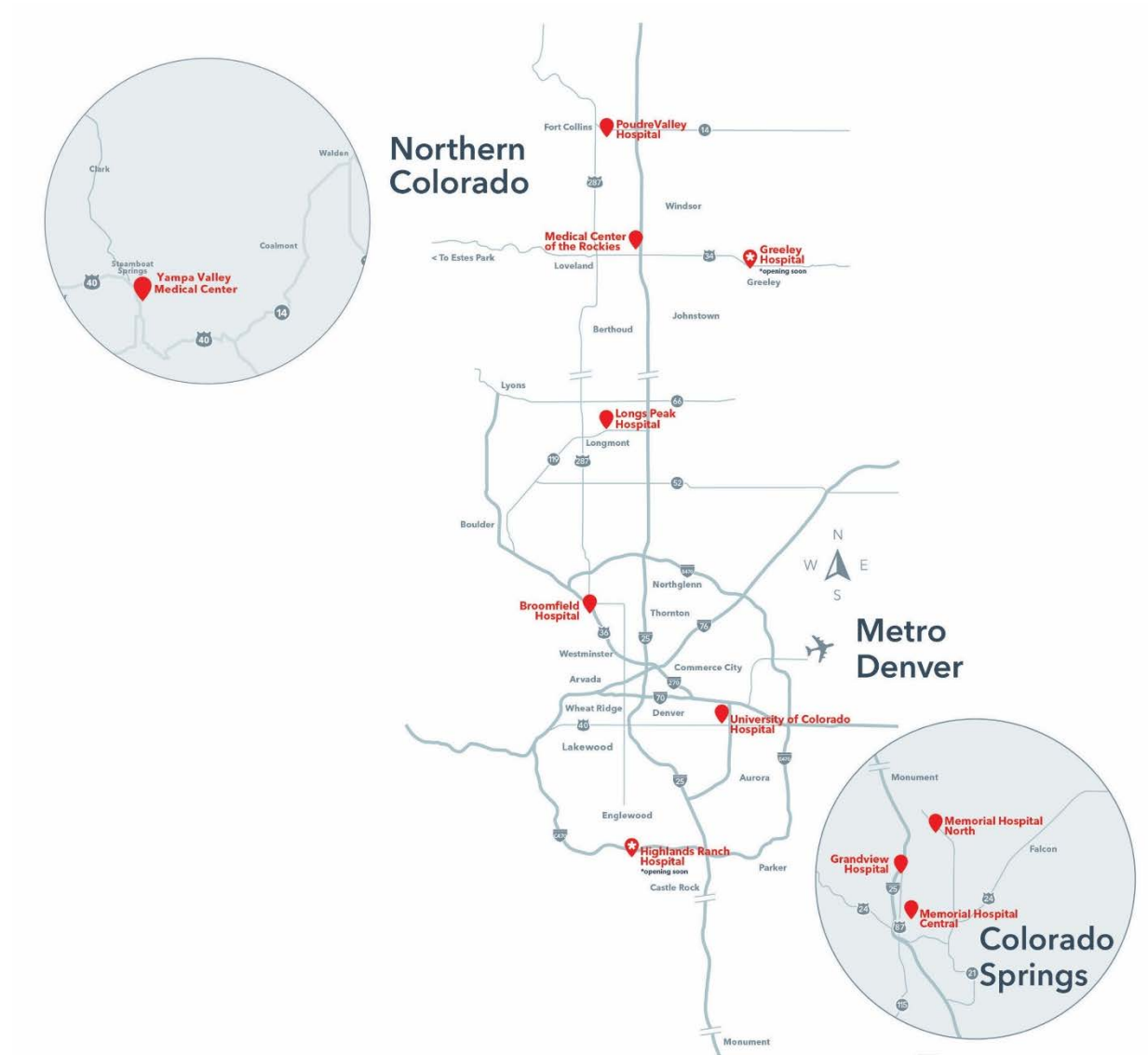


Memorial Hospital Central
Colorado Springs



Grandview Hospital
Colorado Springs

Our Footprint and Reach Extends Throughout the Region



Overview

UCHealth

- ✓ 11 hospitals, 600+ ambulatory departments, and over 5,000 providers using integrated Electronic Health Record (EHR) across all care settings

Affiliations

- ✓ 93 independent departments with 180+ providers and 386K annual visits
- ✓ 35 CU School of Medicine departments



*Achieved
HIMSS Stage 7
for our full
adoption of the
electronic
medical record
in the inpatient
and ambulatory
setting*

*Received 2017
Most Wired
Advanced award*



*Received Analytics 50
award for advanced use
of analytics integrated
with EHR*



Other Accomplishments



2016 Best Colorado Hospitals
#1 University of Colorado Hospital
#3 Medical Center of the Rockies
#5 Poudre Valley Hospital
#6 Memorial Hospital



2016 National Honor Roll
Top 20: University of Colorado Hospital

2008 Baldrige National Quality Award, the nation's highest honor for innovation and performance excellence



MCR received its second Magnet designation and joins both UCHA (fourth) and PVH (fourth) as having multiple Magnet designations



Achieved HIMSS Stage 7 for our full adoption of the electronic medical record

Received 2017 Most Wired Advanced award



THE DENVER POST



Certified by Great Place to Work® based on employee feedback

Our Strategic Imperatives



- ✓ Define the UHealth experience to provide a personalized and unprecedented experience for those we care for, their loved ones, and our employees and providers.
- ✓ Perform exceptionally, every time, in all we do to deliver the safest, most reliable, highest quality care and to position our organization for long-term success.
- ✓ Extend our network of care to bring care closer to home and to prosper as we move toward population health.
- ✓ Design the future of medicine via innovation, discovery and research for the residents of Colorado and beyond.

The Last 5 Years

Has Healthcare Transformation begun?

Government

Incentives to adopt EHRs
Affordable Care Act-driven insurance
Value-based care



Consumers

Baby Boomers aging and active
Millennials with different expectations
No longer patients but consumers!



Companies

Start ups, EHR vendors, Pharmaceuticals



What's Next

Who will continue to drive the transformation?

Consumers

Baby Boomers aging and active
Generation X that shop around
Millennials with different expectations



Why Is the Consumer Driving this

The Patient has become a Consumer.....

- Availability of Information
- Social Networking Tools
- Gadgets and technology
- Shift to healthy living and wellness
- Cost

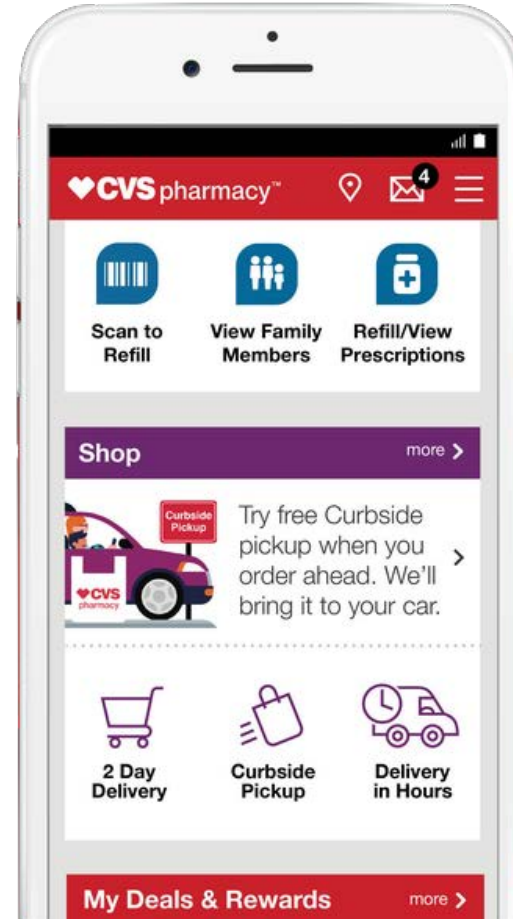
Getting There

Disruption

- Consolidation and Vertical integration
- Mergers and Acquisitions
- Amazon
- Washington
- Climate Change
- Migration to Self Pay
- Cyberattacks
- Trends

Consolidation and Vertical Integration

- Retail and Insurance
- Hospitals and Physicians
- Venture Capitalists



amazon.com

aetna

uchealth

Social Trends That Will Have an Impact

- Patient-generated data
- Social Media
- Everyone is mobile all of the time

Technological Trends That Will Have and Impact

- Blockchain
- Artificial Intelligence
- Predictive Analytics (aka Prescriptive Intelligence)
- Cloud based solutions
- Wearables
- Voice

What is UCHealth Doing

Listening to the consumer

Mobile App

- Apple's Health Kit
- Schedule appointments
- View lab and radiology results, and physician notes

UCHealth Mobile App



**UCHealth
Mobile App**
(live in
February
2017)

- Developed in-house for Android and Apple

As of March 1, 2018

- 42K unique users
- 26K uses per week
- Includes online scheduling and virtual visit capability

67,000

Test Results /
Month

83,000

Messages /
Month

What is UCHealth Doing

Delivering care differently

Virtual Care

- Urgent Care
- Mobile Stroke Unit
- Consults
- Follow up visits for Ortho

Virtual Health



Neurology: Telestroke, Mobile Stroke Unit, and MS Consults. Telestroke is live at two (2) external facilities.



Consults: Behavioral Health, Burn, and Dermatology



Isolation Units: Direct Patient Care



Ortho: Post-Surgical Follow-up Visits



On-Demand Virtual Visit: Urgent Care virtual visits (live in September 2016)

What is UCHealth Doing

Within Our Walls

Remote Monitoring

- Safety View
- Virtual Rounding
 - Sepsis prevention
- ICU Surveillance

Remote Monitoring and Clinical Collaboration



Long's Peak: Current Capability plus ICU Monitoring, Remote Surveillance/Rounding (3Q17)



Patient Sitter:
Monitoring patients
(16 to 1 ratio)



Integrated Behavioral Health: Consults (collaboration across OP Psych, Depression Center, Dependency/Addiction, and Mountain Crest)

Patient Wearables

- Wireless device that monitors heart rate, respiratory rate, blood pressure, SpO2, temperature, and movement
- Implementing at higher acuity Med/Surg units
- Provides continuous monitoring
- Replaces existing nursing tasks



**Wireless Device
Integration**

Sends data to cloud-based, data science partners

Epic

Local and remote clinicians use Epic and alarm management to appropriately monitor and intervene



**Prescriptive
Intelligence**



**Local and Remote
Surveillance**

Together we improve lives

<https://www.youtube.com/watch?v=grsdfnFttl8>