

# Innovative Delivery Models: Technology Assisted Healthcare

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# Defining Telemedicine

Telemedicine is the use of medical information exchanged from one site to another via electronic communications to improve a patient's clinical health status

*American Telemedicine Association 2014*



# Defining Connected Care

Connected Care is the real-time, electronic communication between a patient and a provider, including telehealth, remote patient monitoring, and secure email communication between clinicians and their patients.

*Alliance for Connected Care 2014*




# Montana as a Leader

- Early adopters - 1993
- Montana Telehealth Alliance
- Northwest Regional Telehealth Resource Center [www.nrtrc.org](http://www.nrtrc.org)


# Clinical Applications

- Allergy
- Cardiology \*
- Dermatology
- Oncology \*
- Pulmonary
- Nephrology \*
- Neurology
- Rheumatology \*
- Infectious Disease
- Physical Medicine and Rehabilitation \*
- CV Surgery Follow-up
- Endocrinology
- Remote Monitoring
- Tele home care
- Remote Diagnostics
- REI
- Genetics Counseling \*
- Mental Health
- CD Treatment
- Diabetes Care
- Dietician Services
- Sleep Study Follow-up
- Geriatric Assessments
- EAP
- Burn Care
- Telepharmacy
- Wound Care
- Tele – stroke
- Pediatrics
- Telehospice
- Teleradiology

# Considerations

- Technology innovation
  - Technology generation
  - Health system under pressure
  - Provider shortage
  - Montana – distance, time, regionalized resources
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# Value

- Increasing access to care
  - Improved treatment compliance
  - Collaboration and optimizing resources
  - Patient centered care
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# Considerations

- Quality
  - Patient Safety
  - Cost Effectiveness
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# Innovative models

- Tele Emergency
- Remote ICU
- Remote Primary Care
- Remote Specialty Care
- E-Consults
- Patient Portals
- Remote Monitoring
- Remote Hospitalist
- Telepsychiatry
- Consumer Based Healthcare



# Legal and Regulatory Issues

- Payment Models
- Licensure
- Credentialing and Privileging

# Return of the House Call

