A Global Success Story – Telemedicine Use Cases Around the World

Dan McCafferty  
V.P. of Global Sales & Corporate Development,  
AMD Global Telemedicine  
dmccafferty@amdtelemedicine.com  
+1-978-937-9021
Over 8,600 patient end-points in more than 97 countries
Specialties Leveraging Telemedicine

- Primary Care
- Dermatology
- Women’s Health
- Pediatrics
- Cardiology
- Radiology
- Emergency
- Ears, Nose, Throat
- Ophthalmology
- Neurology
- Psychology
Applications Around the World

- Rural Health Clinics
- Correction Facilities
- School Systems
- Emergency Services
- Mobile Health Vans
- Military Healthcare
- Shipping & Transportation
- Mining, Oil & Gas
- Retirement Communities
- Critical Access Hospitals
Telemedicine Use Case Examples
Rural Health

- Provides patients who live in rural areas access to comprehensive, high-quality health care in their home communities.
- Helps rural clinics increase the medical specialties they can provide.
- Reduces out-of-pocket travel expenses for patients.
- Connects community physicians and nurses with a network of medical expertise they can access immediately in real-time.

Paul Chester Children’s Foundation is treating patients in Kenya, and consulting with top U.S. specialists.

Proyecto Telesalud para Bolivia: country-wide telemedicine deployment

Heilbrigdisstofnun Sudurlands in Iceland rural community
**Correctional Facilities**

- Allows prison facilities to deliver high quality care without the cost and dangers of inmate transportation or the need for a clinical specialist to enter the facility.
- Telemedicine has proven effective for clinical as well as mental health.
- Correctional Facilities have noticed substantial cost savings and found that telemedicine is safe and effective and inmate acceptance is very high.

LA Sheriff Department is able to tackle the backlog of patient exams and reduce security risks of transporting patients. More than 90,000 encounters at 13 facilities.

Louisiana Dept. of Corrections was faced with a 600% increase in patients – telemedicine allows them to see up to 15 patients in only a 4-hour block of time.
Industrial Health

- Industrial sites such as mines, drilling platforms or industrial campuses depend on the health of their employees to operate. They must respond to an unpredictable set of health needs to support sometimes hundreds of employees.
- Telemedicine avoids high cost evacuations and assures that the worker receives appropriate treatment and is available to support operations as soon as possible.
School-Based Health Centers

- Telemedicine provides support to the school nurse by allowing nurses access to expert medical opinion on when it is needed.
- A school nurse is an isolated provider yet they have to respond to a variety of needs.
- In some rural communities, the school nurse may be the only healthcare provider. If a school nurse cannot confidently diagnose and treat an issue, the student must be referred many miles away.

Community Health Center Branch County MI connects to local pediatrician to detect medical issues early on and decrease ER visits

MY Health-e-Schools provides healthcare access to children at school so they don’t have to leave for appointment
Healthcare Systems

- Metro hospitals team up with Critical Access Hospitals or community clinics to improve patient’s access to care
- Helps manage chronic disease patient conditions such as diabetes, asthma, cardiology disease, etc.
- Increasingly becoming part of mainstream care for these facilities.

Baystate Health uses telemedicine to increase physician utilization and bring specialists to smaller community hospitals

Carle Foundation Hospital focuses on improving patient’s access to specialty care. Now offer 10 medical specialties via telemedicine
Military and VA Healthcare

- Use telemedicine to diagnose and treat soldiers in the field.
- Connect specialists who can't be deployed with patients on the battlefield.
- Increase access to specialty care for VA patients
- Manage chronic diseases of VA patients in rural areas
Retirement Communities or Assisted Living Communities

- A stationary telemedicine site can be set up in the community or facility. Without leaving the facility, a patient can have a telemedicine visit with a physician, primary care doctor or specialist.
- Telemedicine extends healthcare into homes of retirees to improve chronic disease management and decrease hospitalization.

Mediserve – Ireland: clinical “house calls”
AMD Clinical Telemedicine Interoperability

Network
- Cat5 10/100
- Wifi
- 3G
- 4G

Consult/Interface
- Any machine
- Google Chrome
- FireFox
- IE

Patient/Nurse UI
- Browser-based
- Google Chrome
- FireFox
- IE

Medical Devices
- 40 +
- 12 diff mfrs
- USB 2.0
- USB 3.0
- HDMI
- DVI
- Audio
- Dicom
- PDF
- HL7 -in

EMR
- Any via HL7 configuration file

O/S: Windows Linux Q1 2016 Android Q1 2016
Want to see more telemedicine examples?

ALL AMD USE CASES

By category:

- Community Clinics
- Correctional Facilities
- General Practitioner
- Government Healthcare
- Hospitals/Health Systems
- Mobile Vans (Clinics)
- Oil-Ship-Industrial
- School-Based Health Centers
- misc

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