

The Power and Economic Impact of Network Based Telemedicine

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- AMD Global Telemedicine is the world's leading supplier of medical technology for telemedicine
- Over 7200 installations in 92 countries
- AMD provides complete Telemedicine Encounter Management Solutions, medical devices and application software for both live and store and forward telemedicine.
- Clients represent the best, more successful programs worldwide

AMD Global Telemedicine's Global Footprint



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Correctional Facilities

- Allows prison facilities to deliver high quality care without the cost and dangers of inmate transportation or the need for clinical specialist to enter the facility.
- Telemedicine substantially improves access to care while substantially reducing costs.
- 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.



Schools & Mobile Health

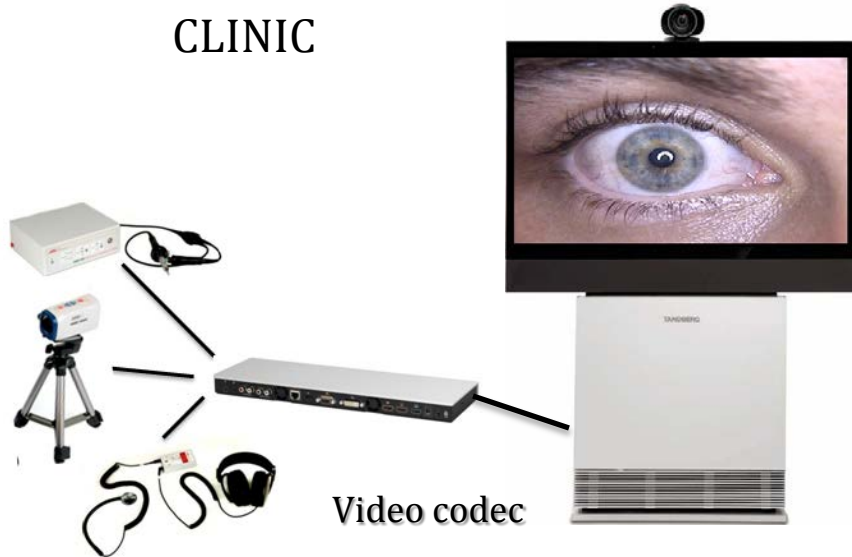
Cherokee Health Systems

- 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.



In-band Telemedicine

CLINIC



- ↪ All data goes away with call. No capability. capture
- ↪ Codecs required.
- ↪ No interoperability between codec brands for stethoscope.
- ↪ Stethoscope required at each consulting site. (\$1,500-\$5,000)
- ↪ No realistic mobility. Doc is tethered to specific location of their hospital video system.
- ↪ Cost associated with each consulting site.
- ↪ Delays associated with VTC installations (weeks to months)

CONSULTING MD



DATA CAPTURE: NOT AVAILABLE
EMR INTEGRATION: NOT AVAILABLE

Step 3: Connectivity

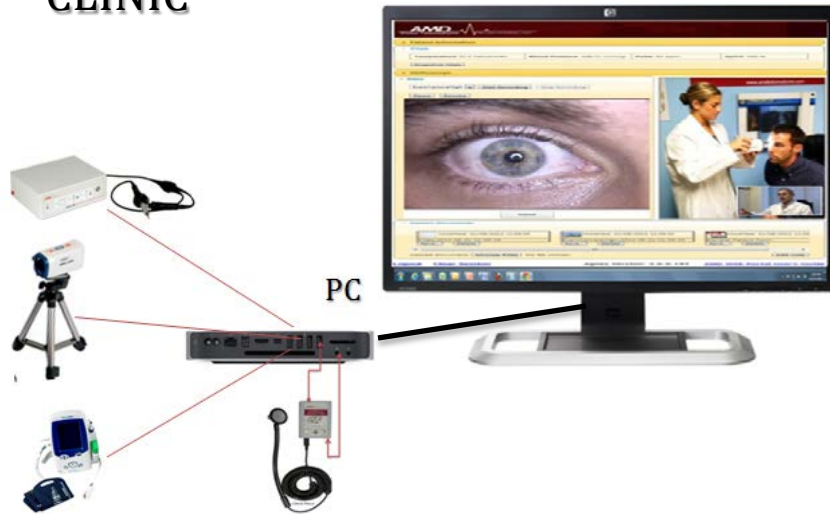
1st & 2nd Generation Technology:

- **Background**

- Codec centric
- Millions served
- Patient acceptance achieved
- Ease of use – adoption for attendants received
- Outcomes equal if not better than face to face

Browser-based Telemedicine

CLINIC



- ✓ Keep data after call ends. Capture the images you want.
- ✓ Codec optional- NOT required. HD Webcam/ SW VTC
- ✓ Codec independent.
- ✓ No stethoscope required at consulting site.
- ✓ Consult from anywhere with only a browser and headphones.
- ✓ Unlimited number of consulting physicians. No additional cost.
- ✓ Software/Medical devices installed in moments.

CONSULTING MD

Doctor A



Doctor B



DATA CAPTURE: STANDARD FEATURE
EMR INTEGRATION: AVAILABLE

Telemedicine in Retirement Communities or Assisted Living Communities



A stationary telemedicine site can be set up in the community or facility.

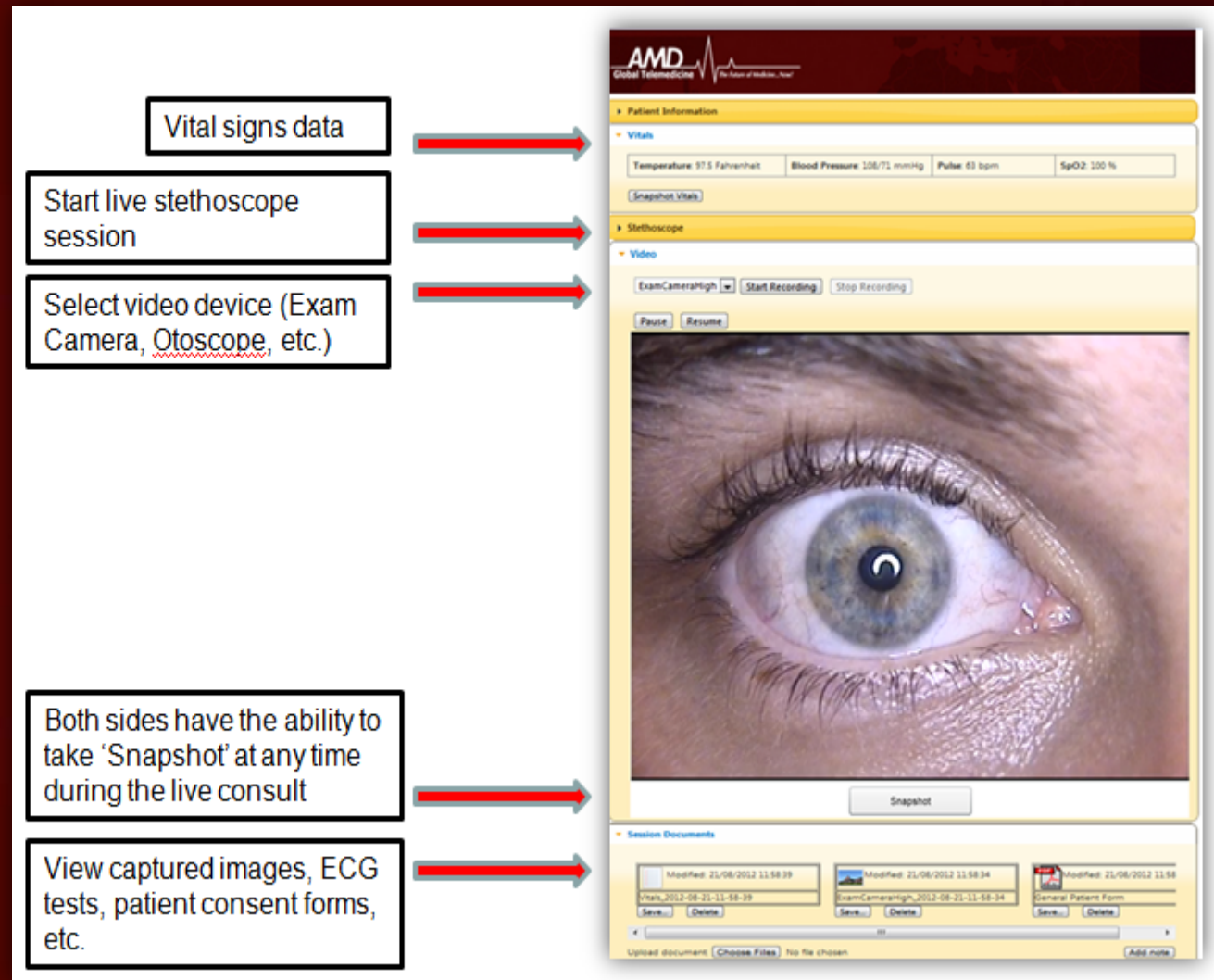
Without leaving the facility, a patient can have a telemedicine visit with a physician, primary care doctor or specialist.



A traveling nurse or clinician can use a mobile telemedicine solution to initiate a telemedicine visit.

Browser Based Telemedicine Solution: AGNES

- Remote physician side completely browser based
- Allows for complete physician mobility
- Capture capability of medical quality audio, video, vitals, heart and lung sound
- No specialized communications equipment required
- Complete data capture of medical quality audio, visual and data
- Both TCP and UPD based video and audio streaming available
- Integrates with a full line of medical devices for general and specialized care
- Multi-lingual support



Example of Encounter Management



Data saved in real-time here...

The screenshot displays the AMD Telemedicine web interface. On the left is a navigation menu with options like 'Create Case', 'Inbox (1/15)', 'On Hold (5)', 'Sent to Me (1/7)', 'AMD G247 Test Group', 'AMD Team (2)', 'Sent Cases', 'Created Cases', 'Case History', 'Search Cases', 'Patients', 'Providers', 'Groups', and 'Favorites'. The main area is divided into an 'Inbox (15 Cases)' list and a detailed 'Test Case' view for 'Test-AMD Telemedicine-LD-37'. The patient is identified as 'Tebow, Tim (M)', 24 years old, with a date of birth of 08/14/1987. The case is currently on hold. The 'Attachments' section includes 'ECG 11:18:24', 'Vital Signs 11:18:47', 'Left foot', 'Left eye', 'How to treat a skin rash', and 'ExamCameraHic'. A red arrow points to the 'ExamCameraHic' attachment. The interface also shows 'Administrative Forms (0)' and 'Case Options' on the right side.

To the patient record system here...

Step 4: Clinical Configurations

- AMD offers several Telemedicine Encounter Management System (TEMS™) solutions, including integrated cart solutions and integrated dispatch case solutions
 - **AMD Integrated Telemedicine Cart:** A fully integrated telemedicine cart featuring a CPU, integrated medical peripherals, wireless or wired network connection, and power management hardware
 - **AMD-IMEDS II:** A portable exam cart specifically designed for remote, wireless patient consultations. Compatible with all AMD medical devices and designed for easy video conferencing integration. Five-hour back-up battery so a consult is never interrupted unexpectedly.
 - **AMD-3000 Dispatch Case:** A portable telemedicine encounter solution suited for mobile specialty areas, including emergency care, disaster response, home healthcare, correctional facilities, and military field clinics

AMD Integrated Telemedicine



AMD IMEDS II



Dispatch Case

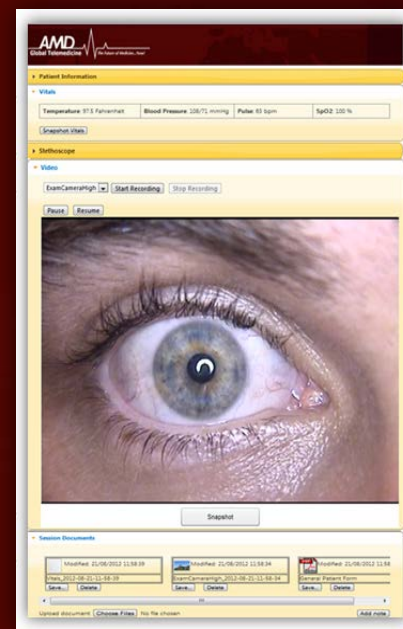


Telemedicine in Bolivia

- Step 2. Encounter Management

Advantages of AGNES:

- Fully functional in areas with limited bandwidth (as low as 256k)
- User-friendly and easy to use
- Consulting side is 100% browser-based, which allows additional physicians to join a consult instantly
- Consulting side is always ZERO cost.
- Fully encrypted and completely secure
- Doctors can provide services from their home
- Capture and store all the data for further evaluation
- Instantly transmit instructions, or electronic prescriptions to patient side
- Listen to heart and lung sounds without the need to purchase a receive stethoscope
- No expensive infrastructure needed. Can be installed and functional in 30 minutes.



AMD Customer Sample



Ministry of Health Greenland



Ministry of Health Turks and Caicos



AMD Customer Sample



Thank you!