



TELEHEALTH @ the COLUMBUS VA ACC

Craig Dickson

Chalmers P. Wylie VA ACC

Columbus, Ohio

Facility Telehealth Coordinator

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2011



Telehealth

- Home Telehealth (HT)
- Clinical Video Telehealth (CVT)
- Store & Forward (SF)





HOME TELEHEALTH

Monitoring devices are placed into the homes of Veterans with chronic diseases such as:

- Heart failure
- Hypertension
- COPD
- Diabetes
- Chronic kidney disease
- Depression and other Mental Health disorders
- Palliative Care and Health Promotion/Disease Prevention

TELEHEALTH



Home Telehealth

COMMANDER FLEX

- Active Voice
- Branching Logic
- Rotations
- Two-Way Messaging
- Multi-Format Survey
- Integrated Blood Pressure with Smart Sensing
- Integrated Cellular and Remote Programming
- Other peripherals





HOME TELEHEALTH

HEALTH BUDDY

- Branching Logic
- Rotation
- One Way Messaging
- Peripherals:
 - Pulse Oximeter
 - Blood Glucose Meter
 - Weight Scale
 - Blood Pressure Monitor



TELEHEALTH



HOME TELEHEALTH

INTERACTIVE VOICE RESPONSE (IVR)

Device-free, bi-directional messaging and measurement system that works via a simple, secure phone call

● Applications

- Heart Failure
- Depression
- Diabetes Mellitus
- Hypertension
- COPD
- Weight Management
- Palliative Care

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HOME TELEHEALTH STAFFING

- 1 HT Care Coordinator Lead/Telehealth Nurse Manager
- 5 Full-time HT Care Coordinator RN's
 - 1 Full-time HT Mental Health Care Coordinator
 - 4 Part-time HT Mental Health Care Coordinators
- 4 Part-time Primary Care RN Case Managers
- 3 Telehealth Program Assistants
- “Coming Soon” Health Promotion/Disease Prevention HT Care Coordinator RN (for Tobacco Cessation, Weight Management and others)

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CLINICAL VIDEO TELEHEALTH

A “real time” interaction between a Veteran and provider from distant locations.



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CLINICAL VIDEO TELEHEALTH

Technology

- IP Stethoscope
- ENT Otoscope
- Ophthalmoscope
- 12-Lead EKG
- Spirometry
- Vascular/Endocavity/Abdominal Ultrasound Probe
- Vital Signs
- Hand-held Derm camera



TELEHEALTH



CLINICAL VIDEO TELEHEALTH

Applications

- Move Group Education
- Audiology
- Nutrition
- Speech Therapy (Dayton, Cincinnati, and Chillicothe VAMC's)
- Spinal Cord Injury (SCI) (Cleveland VAMC)
- Diabetes Self Management Education
- Women's Health

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CYT Clinics Continued

Applications Continued

- Mental Health

- ADD group
- Neuropsychology
- Homeless Outreach
- Psychiatry
- Pain School
- Tobacco Cessation
- Mental Health Assessment
- Post Traumatic Stress Disorder (PTSD)

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CVT Clinics Continued

• Surgery and Specialty Medicine

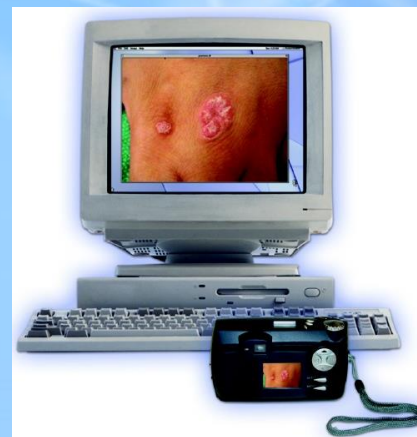
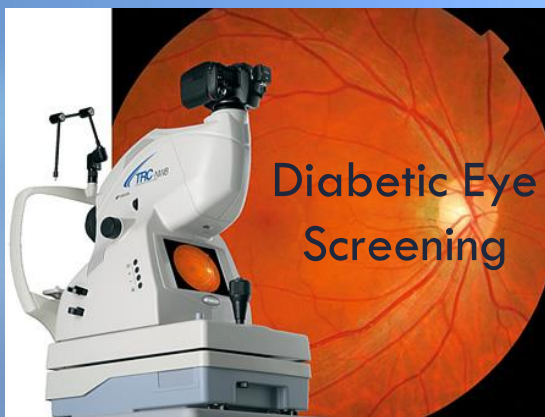
- Urology (Cincinnati and Cleveland)
- Thoracic Surgery (Dayton VAMC)
- Vascular Surgery (Cincinnati VAMC)
- General Surgery (Cleveland and Chillicothe VAMC)
- Orthopedics (Dayton VAMC)
- Endocrinology (San Diego VA)
- Bariatric Surgery (Huntington, WV VAMC)
- Neurology
- NeuroSurgery (Pittsburgh VAMC)
- CPAP Education
- COPD Shared Medical Appointment

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Store and Forward

Digital images and clinical data are captured and "stored" then transmitted securely ("forwarded") to another medical location where they are studied by relevant specialists



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TELERETINAL IMAGING AND TELEDERMATOLOGY

- TRI
 - non-mydratic (no dilation) color & red free angiography
 - 45 degree angle which covers fovea and macula
 - Increased Patient comfort through low flash intensity
 - Screening for Diabetic Retinopathy
 - “Coming Soon” Screening for Macular Degeneration
- TeleDermatology
 - Handheld Point and Shoot Digital Camera
 - Removable Storage
 - Standard 12+ MP image quality

TELEHEALTH



TELEDERMATLOGY

- Results in treatment initiation significantly sooner than patients receiving usual care
- Avoid the need for a face-to-face dermatology clinic appointment in 20-30% of patients
- Cost-effective in decreasing the time required for patients to reach a point of initial definitive care
- Columbus VA Telederm program considered a VA national best practice

TELEHEALTH



CVT/SFT STAFFING

- 4 Telehealth Clinical Technicians (TCT) in Columbus
- 1 TCT in each VA OPC
 - Newark
 - Marion
 - Zanesville
 - Grove City
- TCT's trained and certified in CVT, TRI, and Teledermatology.

TELEHEALTH



BENEFITS

- Improved quality of life
- Reduced Bed Days of Care
- Decreased visits to the ER/Urgent Care
- Decreased travel for Vets in rural areas
- Virtual Access to clinics not available at local VA facility
- Improved access for rural patients

“The Right Care, The Right Time, The Right Place”

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Questions?

Facility Telehealth Coordinator

Craig Dickson, 614-257-5423

Craig.Dickson@va.gov

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