Telemedicine in Correctional Managed Care & The UT System Virtual Health Network

Owen Murray, DO, MBA
Vice President, Offender Health Services
University of Texas Medical Branch
Correctional Managed Care
Overview of UTMB Correctional Managed Care

• Employees: 3,000
• Patients: 119,000
• Facilities: 83
• 2 Regional medical facilities & 2 inpatient mental health facilities
• Hospital Galveston
• Pharmacy in Huntsville
• Specialized programs: HIV, Hepatitis C, Dialysis & End Stage Liver Disease
• Electronic Medical Record (EMR) & Telemedicine
TDCJ Population with Chronic Disease

Cardiovascular
- 2006: 34,544
- 2014: 43,101
- 2015: 44,011
- Current: 42,448

HCV
- 2006: 17,583
- 2014: 17,311
- 2015: 17,420
- Current: 17,419

Asthma
- 2006: 8,568
- 2014: 8,626
- 2015: 8,568
- Current: 10,112

Diabetes
- 2006: 6,334
- 2014: 6,100
- 2015: 7,568
- Current: 8,568

Seizure
- 2006: 2,256
- 2014: 2,120
- 2015: 2,088
- Current: 2,001

HIV
- 2006: 5,076
- 2014: 5,026
- 2015: 5,088
- Current: 2,108

Legend:
- Blue: 2006
- Red: 2014
- Green: 2015
- Purple: Current
Age 55 or older prison population has grown at a rate of 9.4% since 2005
Developmental Timeline of CMC Telemedicine

- Piloted by TDCJ in early 1990s
- Began as a sub-specialty delivery tool
- Expanded through strategic legislative funding
- Grew quickly through Electronic Health Record (EHR)
- Fills need created by provider shortages and competition
- Expanding to address Primary Care and Psychiatric care demands
- Resulting in creation of new specialty programs
- Current technology approximately: $8,000
UTMB CMC Telemedicine Services FY15

UTMB CMC provides medical, nursing, mental health and dental care at 83 TDCJ units to 119,000 offenders

Telemedicine Services

- Primary care
- Mental Health
- HIV care
- Hepatitis C care
- Dialysis-Nephrology
- Wound care
- Pharmacy
- Inpatient rounding
- HG specialty
- After hours urgent care
Growth in Telehealth Encounters

<table>
<thead>
<tr>
<th>Year</th>
<th>Encounters</th>
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<tbody>
<tr>
<td>FY08</td>
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<td>FY09</td>
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CMC Telehealth – Primary Care and Mental Health Encounters

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## CMC Total Telehealth Encounters

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<th>HIV / Hepatitis C</th>
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<th>Pharmacy</th>
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<th>After Hours Urgent Care</th>
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<th>HG Specialty</th>
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Future Vision

- Continue growth of regional hub facilities
- Expand service lines: tele-rounding and chronic care management
- Partnership opportunities
Prison Health Spending Comparison
(Per Inmate per Day)


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University of Texas Virtual Health Network (UT-VHN)

• Utilize experience in telehealth and network of health care facilities to meet the increasing demand for fast, efficient, reliable, and cost controlled health care

• Coordinate telemedical services from all eight of the University of Texas Health Science Centers and Medical Schools into care settings such as other hospitals and clinics, nursing facilities, schools, employee work sites, and patient residences

• Systematically integrate technology, health providers, care protocols, and support systems to deliver health efficiently and effectively
UT-VHN Implementation

Phase 1: Discover and Define – Institutional Focus
• Assess current landscape of each institution’s telehealth initiatives
• Enable each institution to enhance its own capabilities

Phase 2: Introduce and Demonstrate – System Focus
• Introduce and expand additional telemedical services
• Develop shared common goals and strategies

Phase 3: Full Deployment – Statewide Focus
• Grow a full range of clinical services across a variety of settings (schools, work sites, community health centers, community mental health centers and patient homes)
• Develop Centers of Excellence based on unique areas of expertise
Potential Impact

• Provide quicker and more direct access to specialty care for the citizens of Texas
• Reduce duplicate administrative work and increase the quality of care provided
• Act as a workforce multiplier, distributing resources where needed and controlling costs
• Enable many more Texans to have access to the best physicians in the country thereby bridging the gap in care access
Questions?