

Maryland Telehealth and Telemedicine (THTM) Survey



Rural Maryland Council
Maryland Rural Health Association
Upper Shore Regional Council

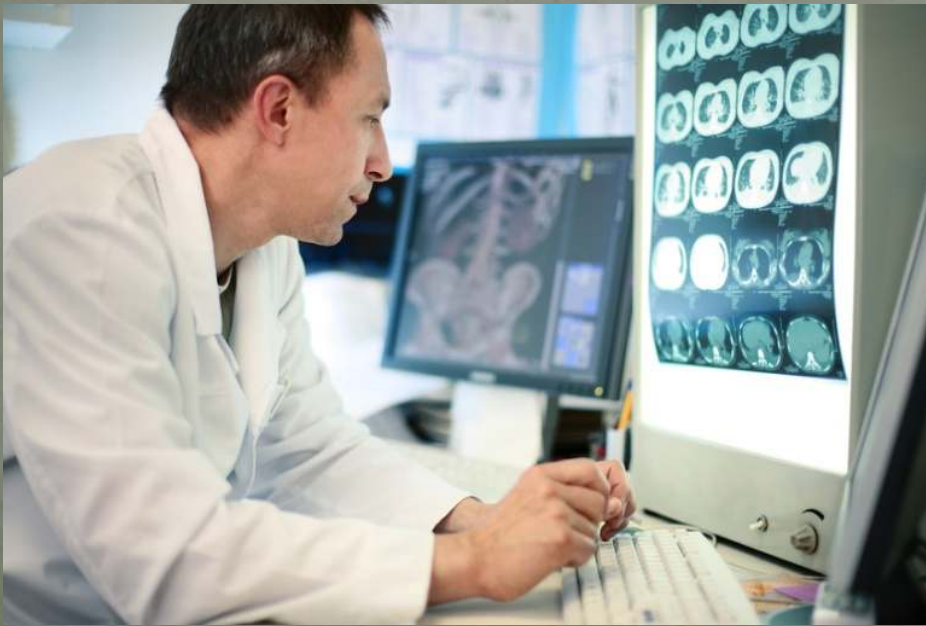
What is Telehealth?

- Telehealth: the use of electronic information and telecommunications technologies to support long-distance clinical health care, patient and professional health-related education, public health and health administration.



What is Telemedicine?

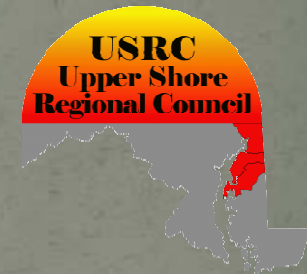
- Telemedicine is the use of electronic communication: diagnosis, treatment, transfer of medical clinical data. Many describe telemedicine in subspecialties like telemental health, telecardiology, and teledentistry.



History

- 2007 – Maryland Rural Health Plan identified access to primary and specialty care as the number one priority for a healthy rural Maryland.
- 2007-08 – Maryland Rural Health Association and the State Office of Rural Health holds a series of listening sessions in rural Maryland.
- 2009 – Maryland Rural Health Implementation Plan identified the expansion and enhancement of telehealth as the second highest priority for increasing access to specialty care for rural areas.
- 2009 - Rural Maryland Council holds a Telehealth Roundtable..
 - Conclusion: a statewide inventory of telehealth projects needs to be done.
- 2009/10 – RMC, MRHA and USRC undertakes Inventory.

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- Survey: Compilation of an accurate inventory of telehealth and telemedicine projects underway in Maryland.
 - Funded by the Maryland Agriculture Education and Rural Development Assistance Fund (MAERDAF).

Survey

- Goal:
 - Identify TH/TM projects underway in Maryland.
- Purpose:
 - Advance reimbursement of services;
 - Support credentialing and licensing;
 - Increase access to care in rural communities;
 - Inform statewide policy and implementation in coordination with the statewide Health Information Exchange initiative in Maryland.

Who we targeted?

- 137 organizations
 - All hospitals in Maryland
 - Maryland Federally Qualified Health Centers
 - University of Maryland School of Medicine
 - Along with individual departments
 - Johns Hopkins Health System
 - Along with individual departments
 - Local Health Departments
 - Department of Public Safety and Correctional Services
 - Department of Health and Mental Hygiene



Participants

- 6 Hospitals
 - 4 Health Departments
 - 2 Medical Schools
 - 2 Mental Health Facilities
- Atlantic General Hospital
 - Calvert Memorial Hospital
 - Chester River Hospital
 - Dorchester County Health Department
 - Johns Hopkins Medicine
 - Johns Hopkins Schools of Nursing and Medicine
 - Mid Shore Mental Health Systems
 - Sheppard Pratt
 - St. Mary's Hospital
 - University of Maryland
 - University of Maryland Medical System
 - University of Maryland School of Medicine
 - Western Maryland Health System
 - Western Maryland Health System
 - Wicomico County Health Department

Major TH/TM Projects Identified

- Western Maryland Health System
 - Western Maryland Regional Medical Center
 - Univ. of MD Cancer Center
 - Sheppard Pratt
 - And others
- Cardiology, Emergency services, Mental Health and Radiology.
 - via web based software.



Major TH/TM Projects Identified

- Sheppard Pratt Health Systems
 - Providing health diagnostic services and medication management to lower shore county partners.
 - Funding originally through HRSA and USDA
 - Now locally funded.



Major TH/TM Projects Identified

- University of Maryland School of Medicine.
MAPSS Perinatal Telemedicine Project
 - Partners: Union Hospital, St. Mary's Hospital
- Provides patient management in OB/GYN and perinatal genetic counseling through interactive video.



Major TH/TM Projects Identified

- Johns Hopkins Medicine
 - Remote Access in Otolaryngology
 - Imaging, patient management, and diagnostic services via desktop software and robotics.



Major TH/TM Projects Identified

- Maryland Telepsychiatry Network Program
 - Mid Shore Mental Health Systems & others
- Provides mental health diagnostic and patient management through interactive video.



**Mid-Shore Mental
Health Systems, Inc.**
Excellence in Public Mental Health

Major TH/TM Projects Identified

- Verizon Emergency Department Robot Project (Verizon Foundation)
 - Johns Hopkins Medicine Center for Innovation in Quality Patient care.
 - Neurology and linguistic translation via interactive video and robotics.



Major TH/TM Projects Identified

- Maryland eCare
 - Christiana Hospital, Union Hospital, Atlantic General, Calvert Memorial, Civista Medical Center, St. Mary's Hospital, Peninsula Regional Medical Center, Washington County Health System.
 - Provides clinical critical care patient management and monitoring for Intensive Care Unit patients.



Major TH/TM Projects Identified

- Pediatric Diagnostic Telemedicine Project
 - St. Mary's Hospital; Children's National Medical Center
 - Pediatric cardiology and neurology services



Major TH/TM Projects Identified

- Maryland Telehome Care Network
 - University of Maryland Medical System (UMMS);
 - Partners: Garrett County Health Department; Chesapeake-Potomac Home Health Agency; Eastern Shore AHEC; & Western MD AHEC.
 - Chronic disease management through handheld wireless monitoring devices and interactive video in the homes of patients.

Major TH/TM Projects Identified

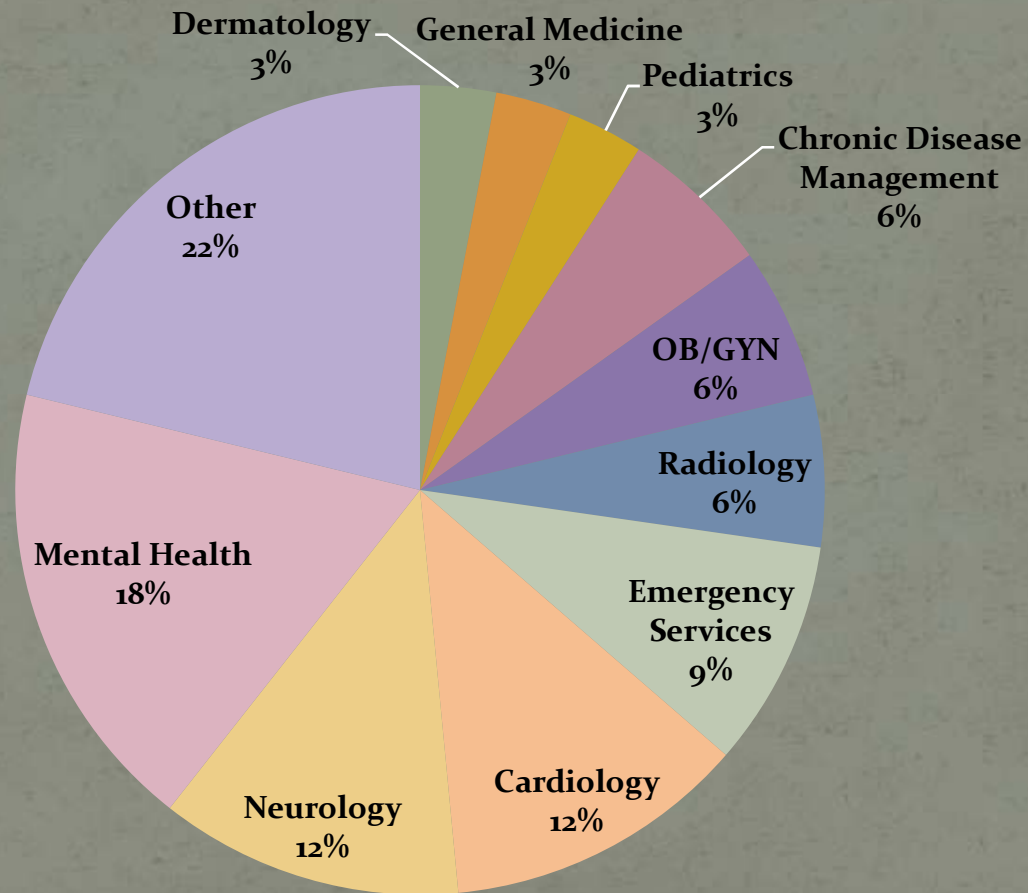
- Telehome for Community Dwelling African Americans.
 - **Johns Hopkins School of Nursing**
 - Cardiology and chronic disease management using Intel Health Guide Telemonitoring and telehomecare device.



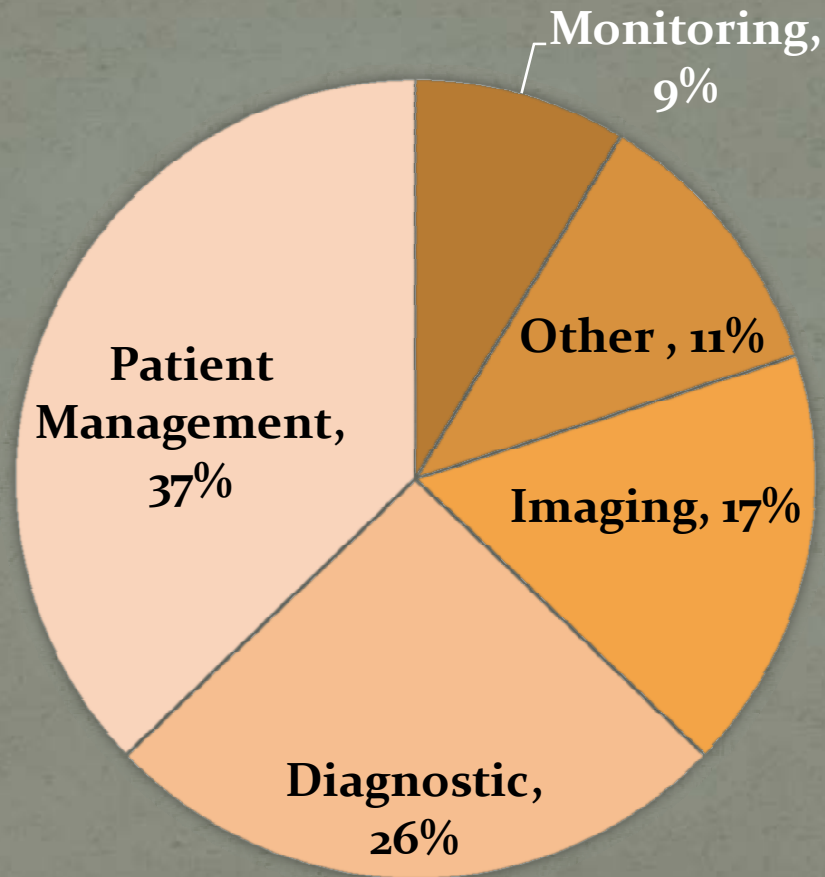
JOHNS HOPKINS
UNIVERSITY

School of Nursing

Distribution of Surveyed TH/TM Clinical Services

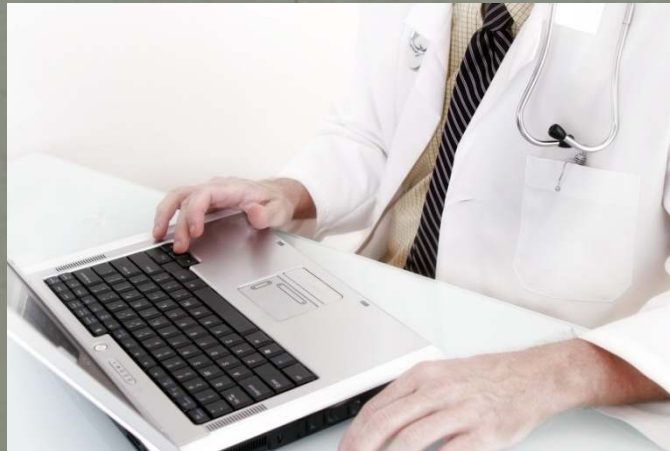


Procedures of Surveyed Projects

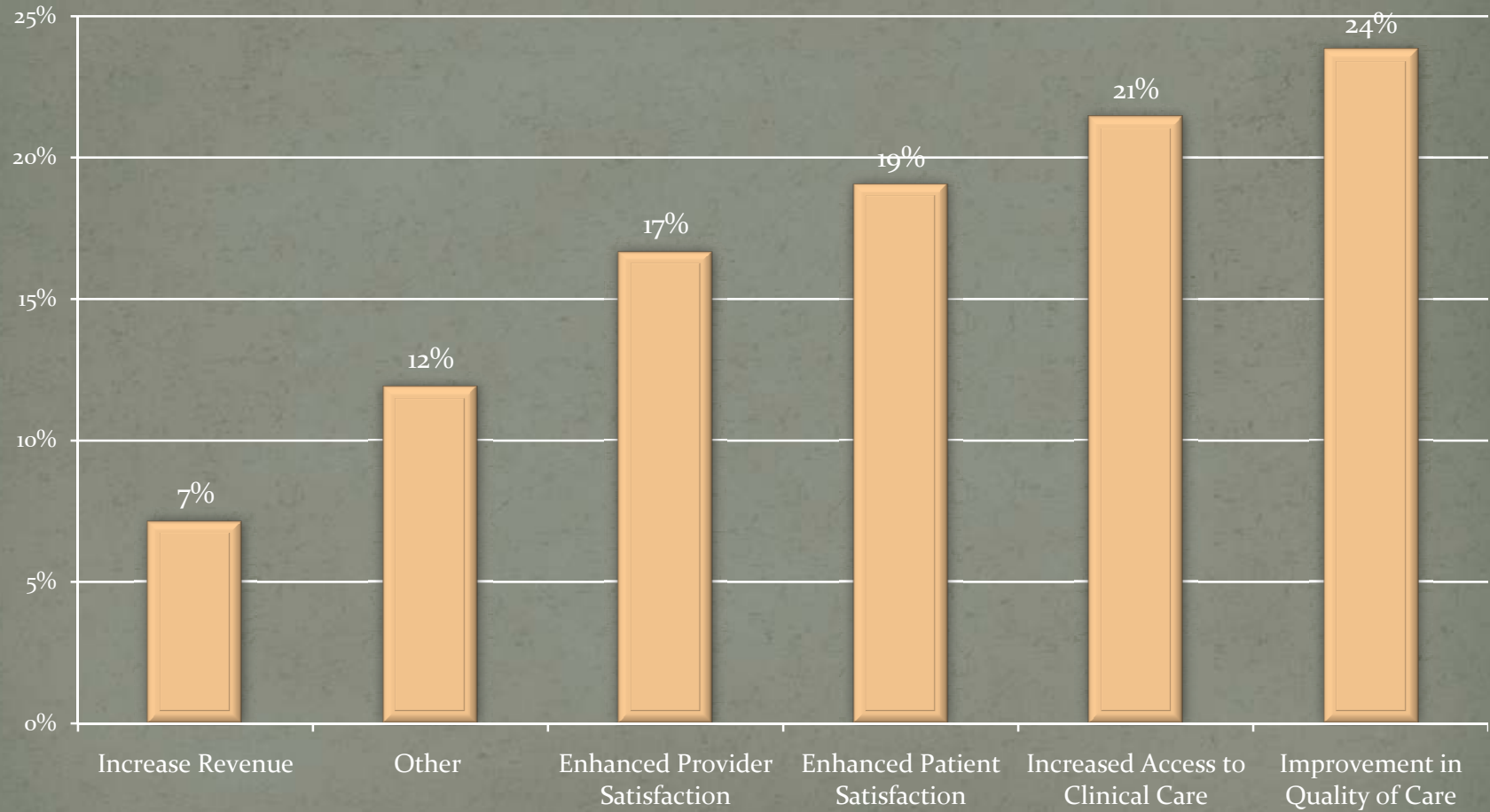


General Benefits of TH/TM

1. Patient satisfaction
2. Provider satisfaction
3. Decreased length of hospital stay

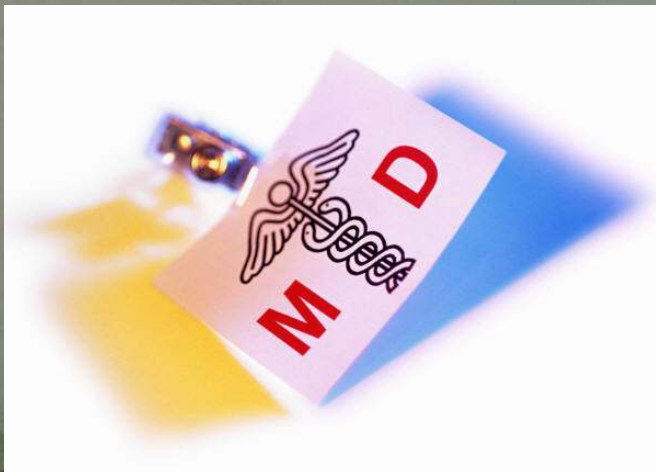


Reported improvement to delivery of care



Cited barriers to TH/TM

- Reimbursement
- Credentialing of Providers
- Cost of equipment
- High administrative cost
- Interactive video



Priorities for Maryland

1. Reimbursement and Financing
2. State leadership
3. Broadband Access
4. Reimbursement of Private payers
5. Licensing and credentialing



Discussion/Questions?

