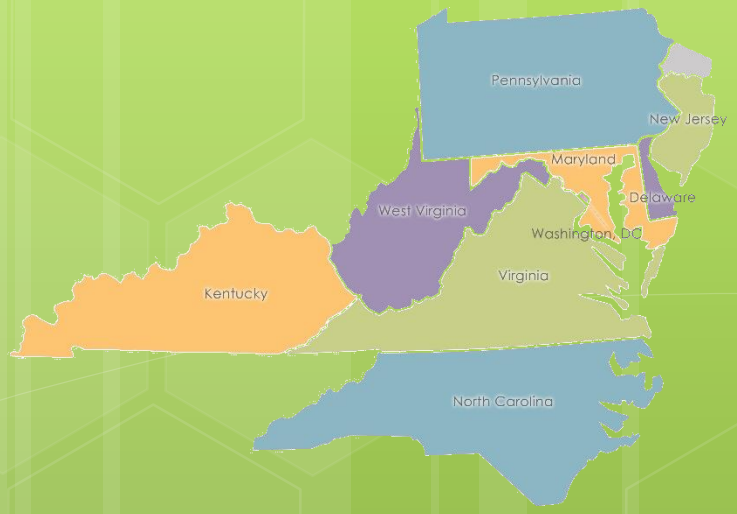
Mid-Atlantic Telehealth Resource Center

National Disability Forum

October 27, 2016



Serving Delaware, Kentucky, Maryland, New Jersey, North Carolina, Pennsylvania, Virginia, Washington DC and West Virginia

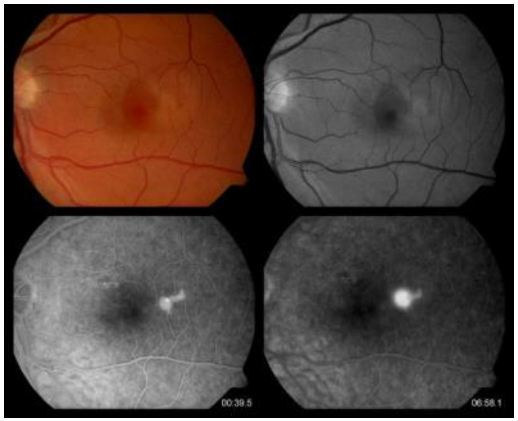
Telehealth: Background and Technology

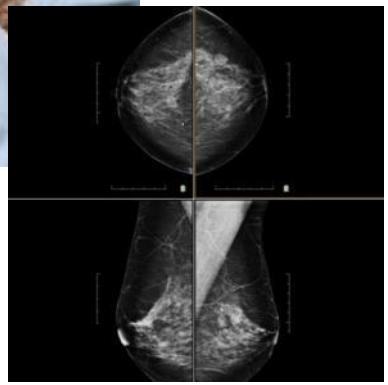
What Is Telehealth?

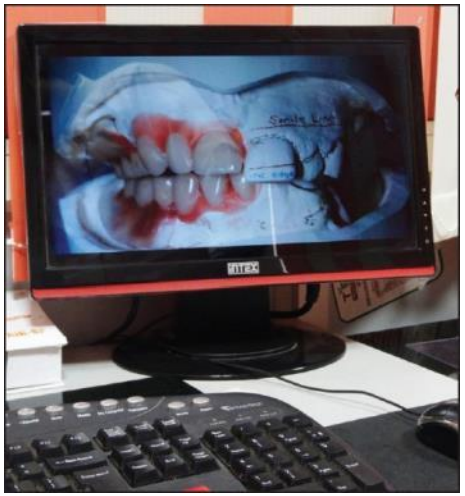
A mechanism for enhancing health care, public health, health administration and health education delivery and support, using electronic communication and information technology.

Synchronous

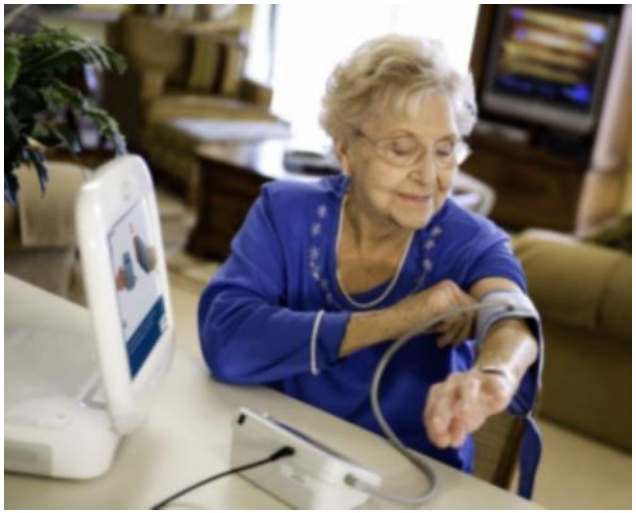
Asynchronous







Remote Monitoring



mHealth

Regular checkups help keep baby healthy! Take baby for her next checkup when she's 4 months old. For free or low-cost care, call 877-543-7669.
Text BABY to 511411
Get support throughout your pregnancy and baby's first year. You'll get FREE messages each week on topics like prenatal care, labor signs and symptoms, nutrition, breastfeeding, safety, baby's development, and more.
Click to Sign Up
Learn More

iPod
15:28
How are you feeling?
2013-1-31 15:27
Sad
Anxious
Angry
Stressed
Calm
Happy

telspec
325 calories per 100g
32% Sugars
Gluten
Egg
Vanillin
No Preservatives

Drink smarter.
Change the way you think about drinking.
The world's most accurate smartphone breathalyzer.
BUY NOW
Your result:
0.03
Bluetooth
App Store

SAMSUNG
Main Menu
My Profile
My Messages
Support Team
Discussions
Panic Button
Events
News
Our Stories
Easing Distress
Weekly Survey
Airtel
10:10 AM
Main Menu
Image View

97
73

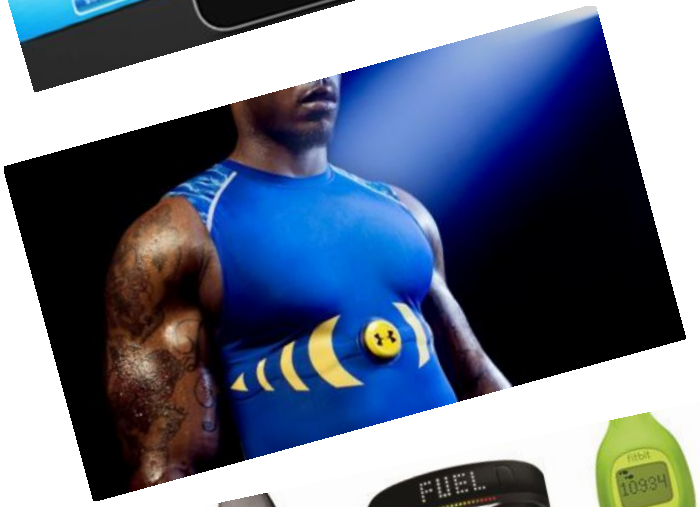
MyChart

87 bpm

mHealth

Aquafresh
TIME 2 BRUSH
START!
REMEMBER: BRUSH FOR 2 MINUTES
CHOOSE AN OUTFIT FOR YOUR NURDLE!
DONE

Learn How to PREPARE for an Emergency



FUEL
10934
02:36:1
9748

POKÉMON GO
100 MILES

It Started With This

Necessity Breeds Invention

CRISIS

危

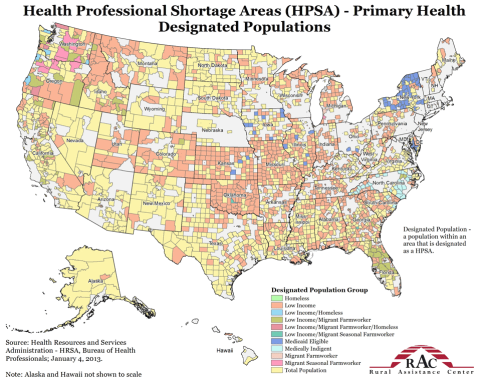
A time of danger;

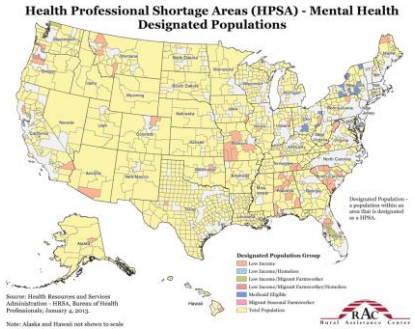
机

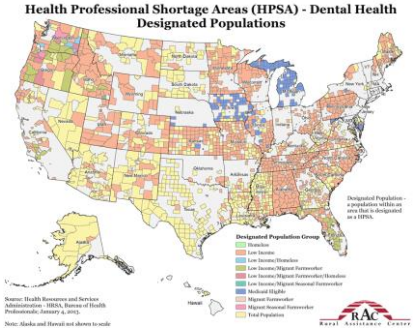
A time of opportunity;

"When written in Chinese, the word "crisis" is composed of two characters. One represents danger and the other represents opportunity."

~John F. Kennedy~



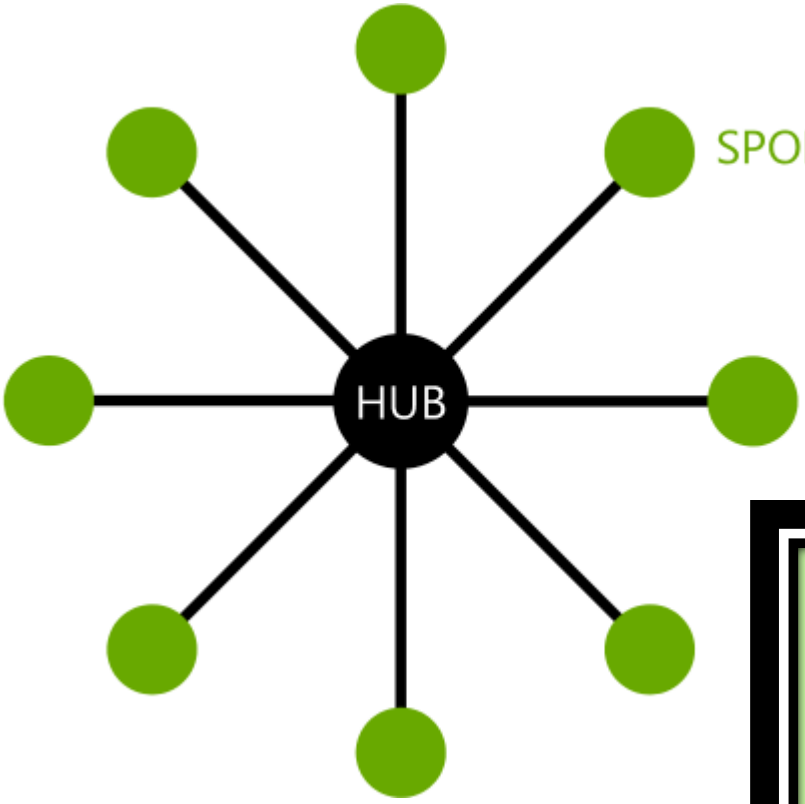


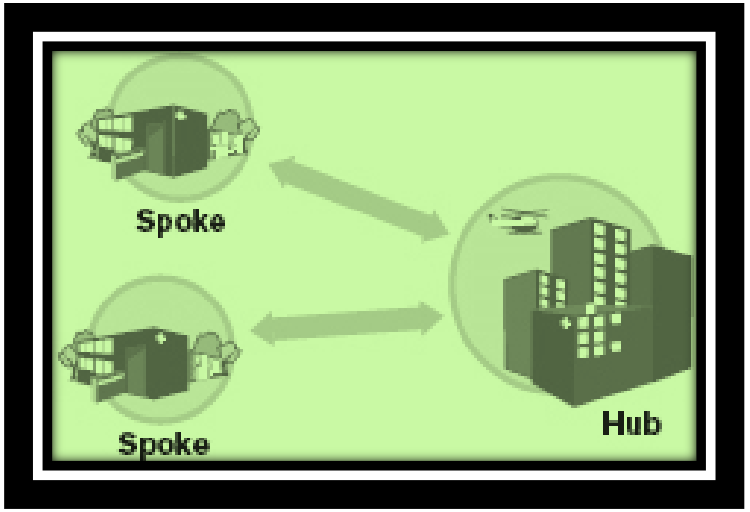


Mid-Atlantic Telehealth Resource Center

It's A Good Fit for Rural Health

It Looked Like This

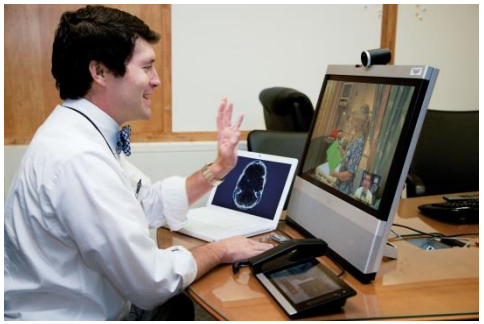




Telestroke – Time is Brain

"Telestroke networks should be deployed wherever a lack of readily available stroke expertise prevents patients in a given community from accessing a primary stroke center (or center of equivalent capability) within a reasonable distance or travel time to permit eligibility for intravenous thrombolytic therapy."[21]

–ASA Recommendations for the implementation of telemedicine within stroke systems of care, 2009



Stroke Care

Speed, expertise and technology combine to give stroke patients prompt treatment that can prevent or minimize effects from a stroke.

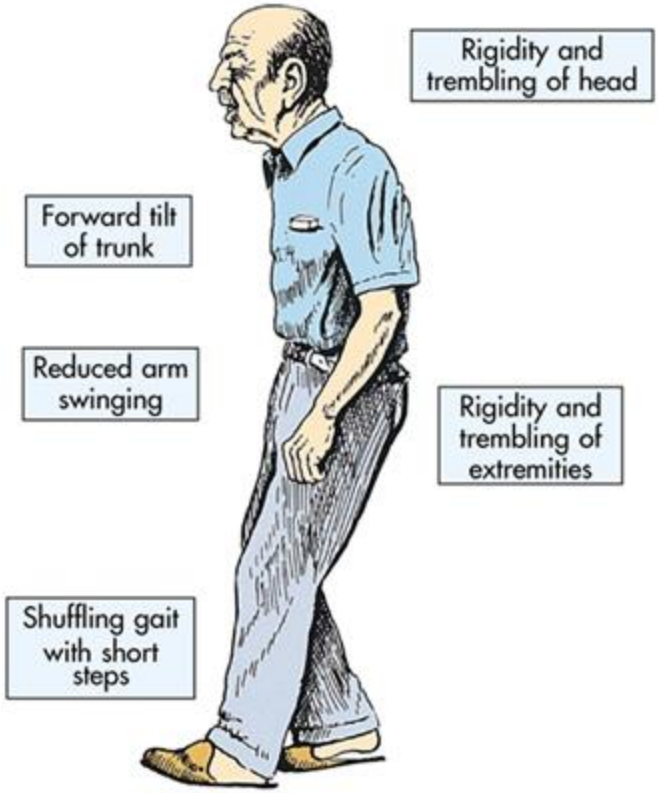
UVA & Partners have increased the use of life-saving tPA from 0 to 17%

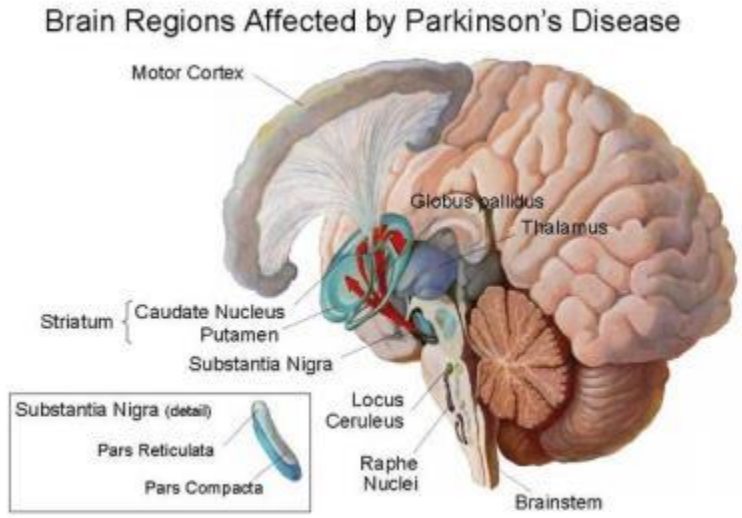
American Heart Association | American Stroke Association

- **Administration of tPA at stroke centers = 10% - 20% of ischemic stroke patients**
- **Administration of tPA outside of stroke centers = 1% - 2% (without telestroke) and 10% - 20% (with telestroke)**

Rural Successes

Parkinson's Care



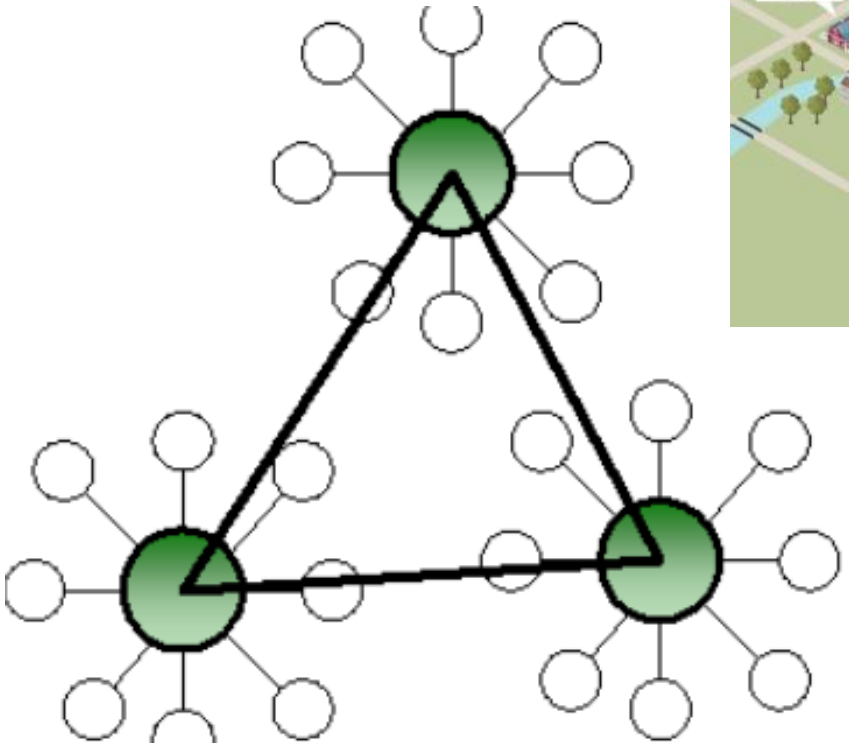


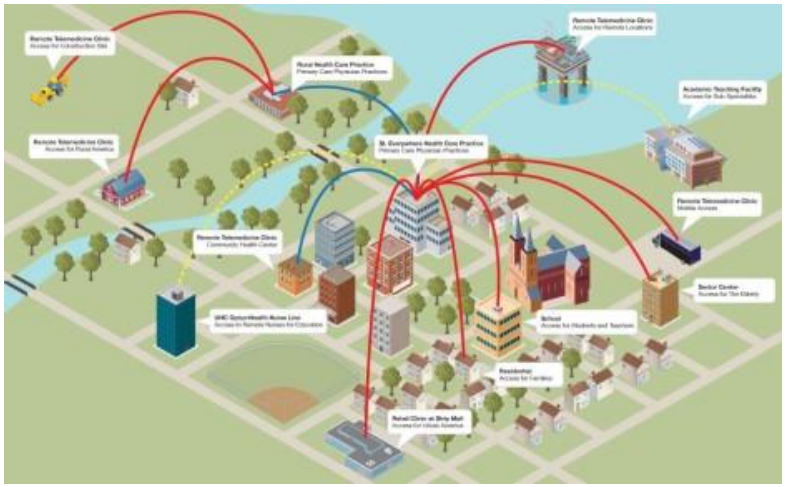
Parkinson's disease

Things Changed

Things Changed

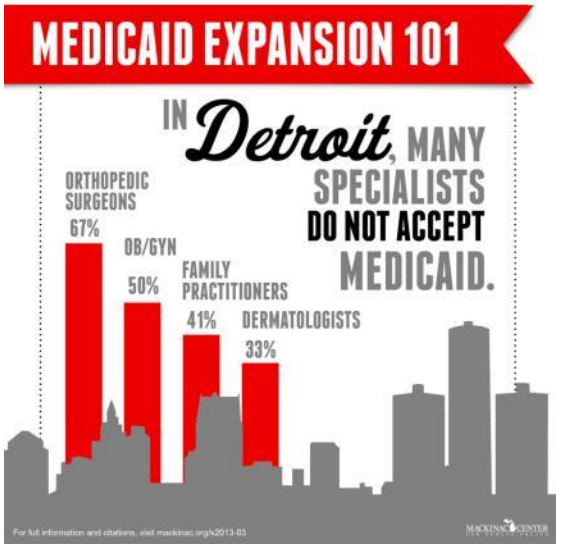
It Now Looks Like This





Not Just For Rural

Urban Telehealth



Successes

School Telehealth

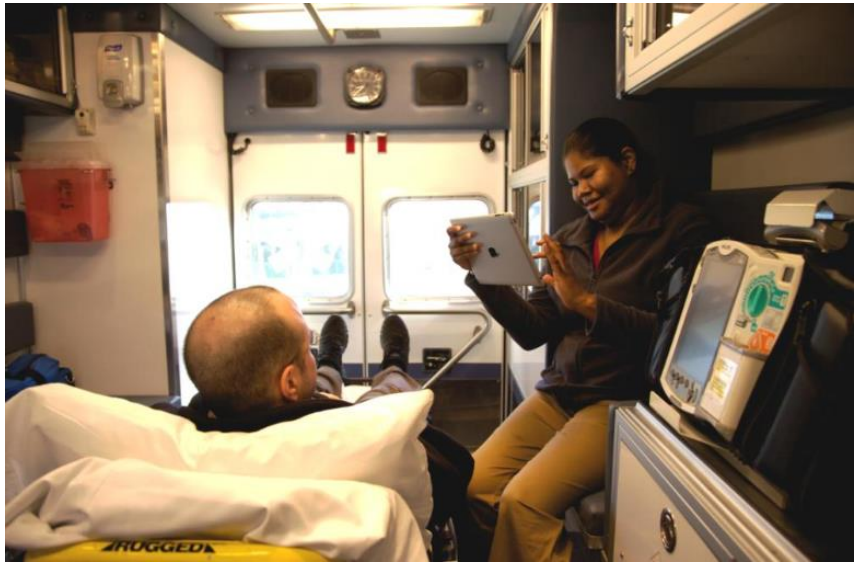
Schools address speech therapy needs with new online programs

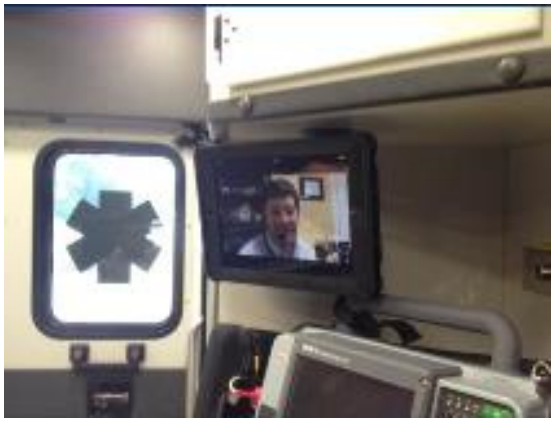
http://republicanherald.com/news/schools-address-speech-therapy-needs-with-new-online-programs-1.1400717

Successes

Culturally and Linguistically Appropriate Care

Mobile Pre-Hospital Telestroke





Successes

Remote Patient Monitoring: Real Patients/Real Outcomes

80+% MEDICARE PATIENT ENROLLMENT

90+% PATIENT COMPLIANCE

96+% PATIENT SATISFACTION

40+% READMISSION REDUCTION

CASE STUDY – UVA

Readmission Reduction for AMI, CHF, COPD, PNA, TKA, THA, CVA, and CABG patients.

Population: ~1200 patients annually - Mix of All Payer & Medicare FFS 65+

Methods: RN Staffed Call Center, Patient Engagement & Navigation, Seamless EMR Interface for Clinician Engagement.

UNIVERSITY OF VIRGINIA MEDICAL CENTER

Successes

MERCY CARE

MyChart Clinic Locations Services For Patients Contact

Community Impact

Successes

- Chronic Pain
- Palliative Care
- Dementia Care
- HIV/AIDS
- Epilepsy
- Rheumatology
- Addictions
- Hepatitis C
- Diabetes
- Weight Management
- Osteoporosis
- Developmental Pediatrics
- Psychiatry
- High Risk Pregnancy
- And Many More…

Around the Bend

Around the Bend

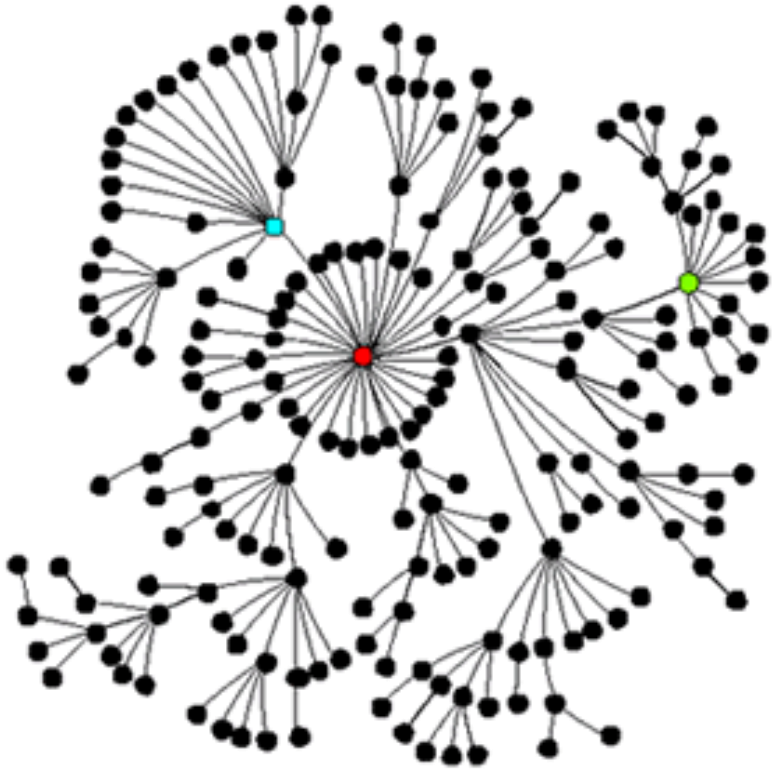
Growing Telehealth Options – On-Demand Medicine

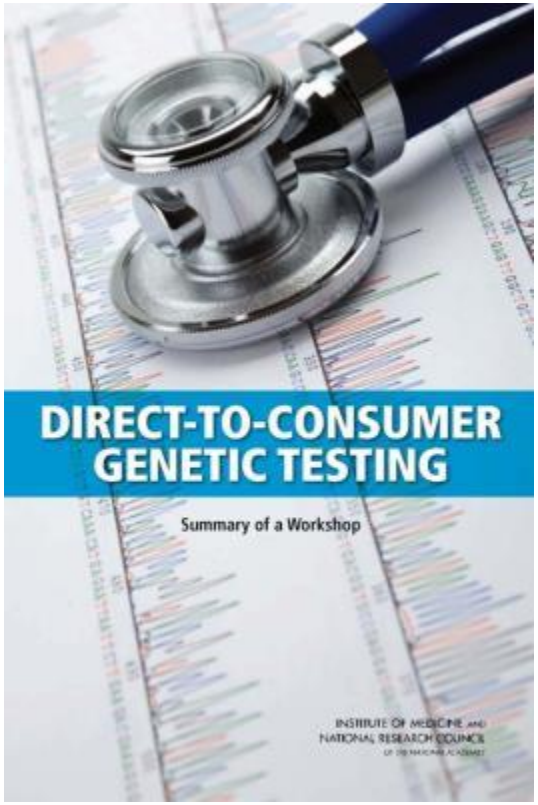
zipnosis Healthcare in your pocket
Ringadoc
MDLIVE
AMERICAN WELL the next generation of health communication
kura
RUBICON MD
pager
StatDoctors
Teladoc
FRUITST
vivre HEALTH
PHILIPS Hospital to Home
CARENA
Online USA DOCTORS
virtuwell by HealthPartners
healthspot
CareClix Changing The Way You See Your Doctor
Dr DOCTOR ON DEMAND
InTouch Health
iSelectMD Get well soon.
Avizia
NutreaLife
IRIS TELEHEALTH
PlushCare Get health. Give health.
Vidyo
mevisit
Honeywell Life Care Solutions
CloudVisit TELEMEDICINE
NowClinic
Healthsense

THINK Health

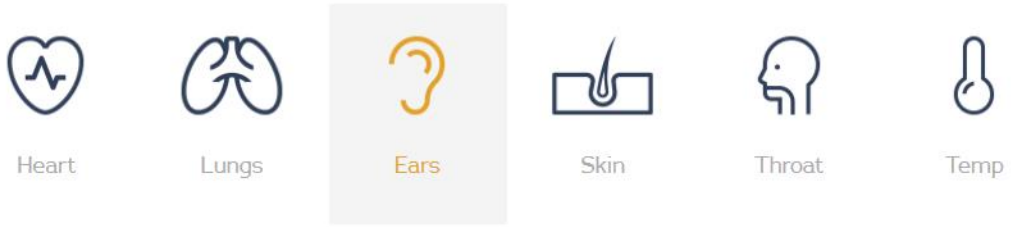
Source: THINK-Health curated list of telehealth companies, 24 September 2015

Around the Bend

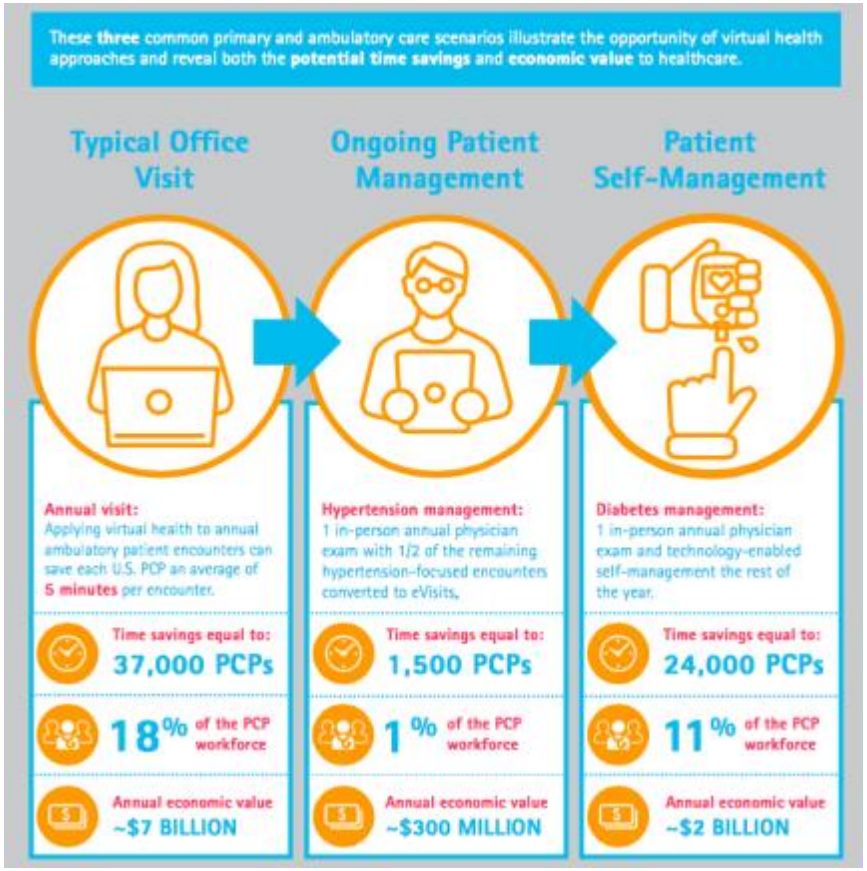




Around the Bend



Integration of telehealth into mainstream care delivery

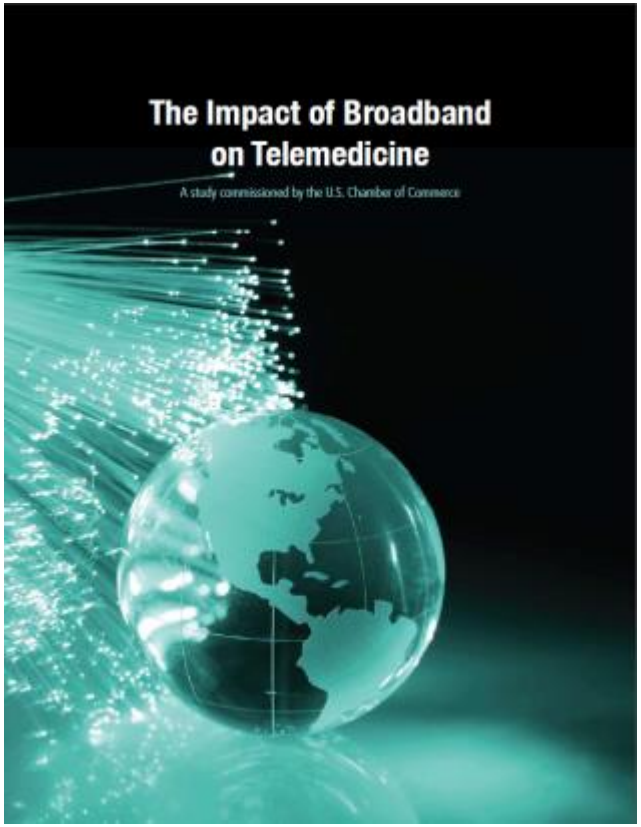


https://www.accenture.com/us-en/insight-virtual-health.aspx

But The Struggle Is Real

"I want you to find a bold and innovative way
to do everything exactly the same way
it's been done for 25 years!"

What About Rural?



U.S. Chamber of Commerce, April 2009

TELEMEDICINE CAN'T HELP THE PEOPLE WHO NEED IT THE MOST

WIRED, August 2015

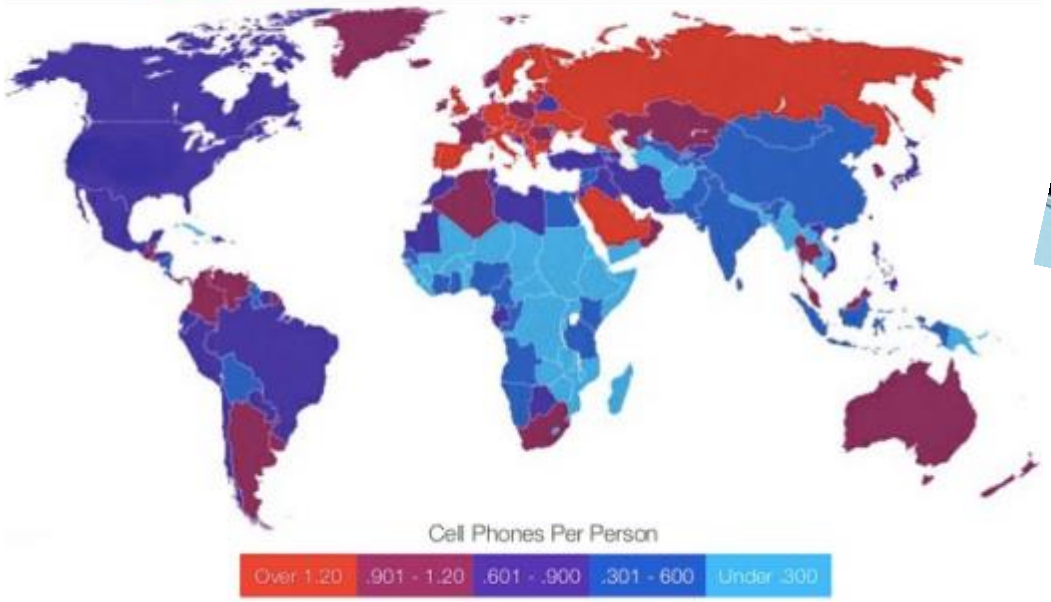
"Telemedicine has been a buzzword for years now, but the rural communities that could benefit most from it also have the least access to fast and reliable Internet—an obvious prerequisite."

Rural Disparities?

FRIDAY, FEBRUARY 28, 2014

Rural and urban cellphone use are equal, but rural users are much less likely to have smartphones

87% of the global population is a mobile phone user



Mid-Atlantic Telehealth Resource Center

Shaping Policy…

+ A –

FCC votes in favor of allowing Lifeline low-income subsidies for Internet plans

By Roger Fingas
Thursday, June 18, 2015, 11:46 am PT (02:46 pm ET)

The Federal Communications Commission on Thursday voted 3 to 2 in favor of extending the U.S. government's Lifeline program to offer subsidies for broadband Internet, and not just basic phone service.

Shaping Policy…

FCC ruling may pave way for better cell coverage in rural America

By Spencer Chase

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9

WASHINGTON, Oct. 20, 2014 - A decision by the Federal Communications Commission may further efforts to bridge the gap between urban and rural America.

The FCC unanimously voted on Friday to adopt a report and order that it says will "promote deployment of the wireless infrastructure necessary to provide the public with ubiquitous, advanced wireless broadband services," the commission said in a release.

Shaping Policy…

No Reimbursement!

Congress Wows With Medicare Telehealth Parity Act of 2015, But Will It Succeed?

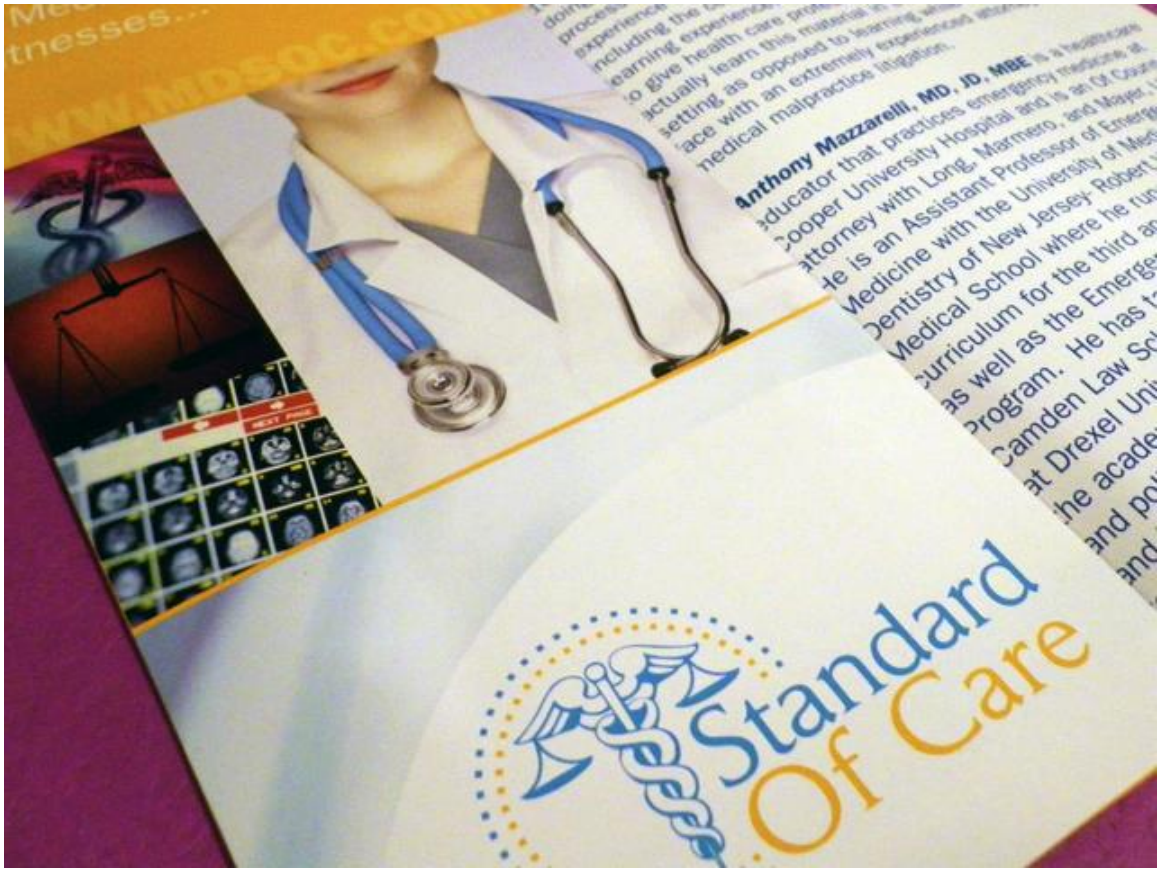
Quality and Safety?

Federation of STATE MEDICAL BOARDS

MODEL POLICY FOR THE APPROPRIATE USE OF TELEMEDICINE TECHNOLOGIES IN THE PRACTICE OF MEDICINE

Report of the State Medical Boards' Appropriate Regulation of Telemedicine (SMART) Workgroup

Standard of Care



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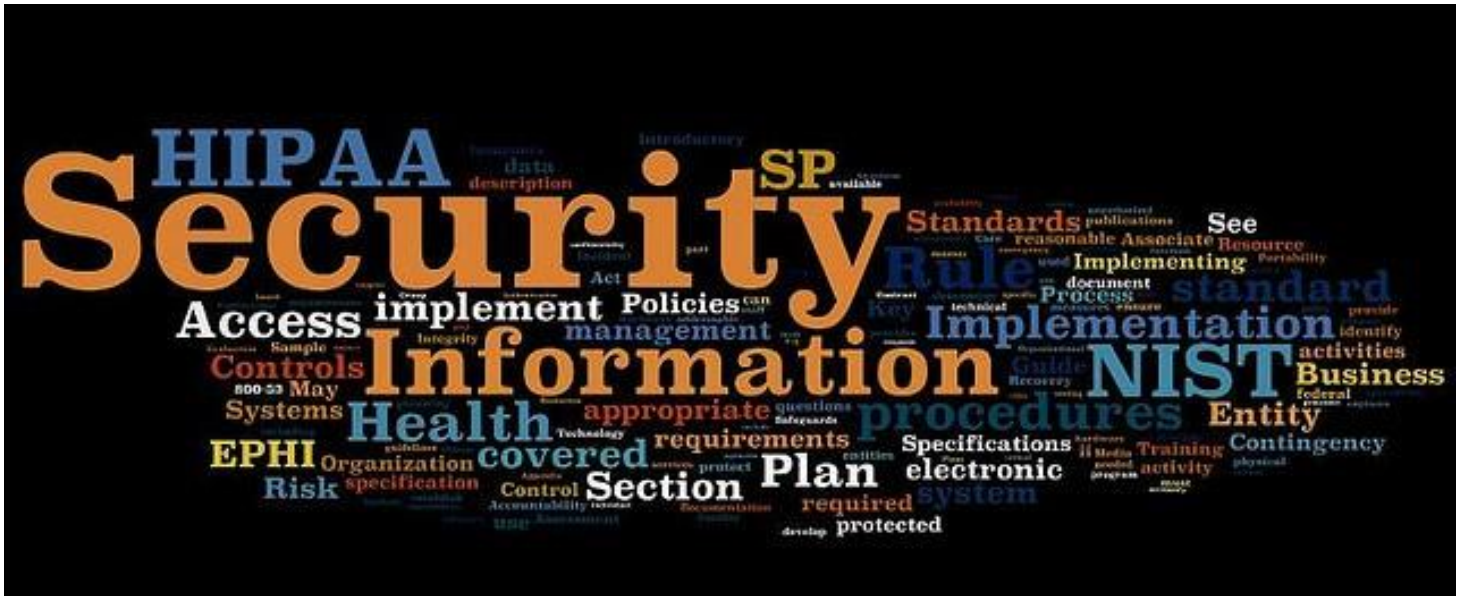
Privacy + Security



Mid-Atlantic Telehealth Resource Center

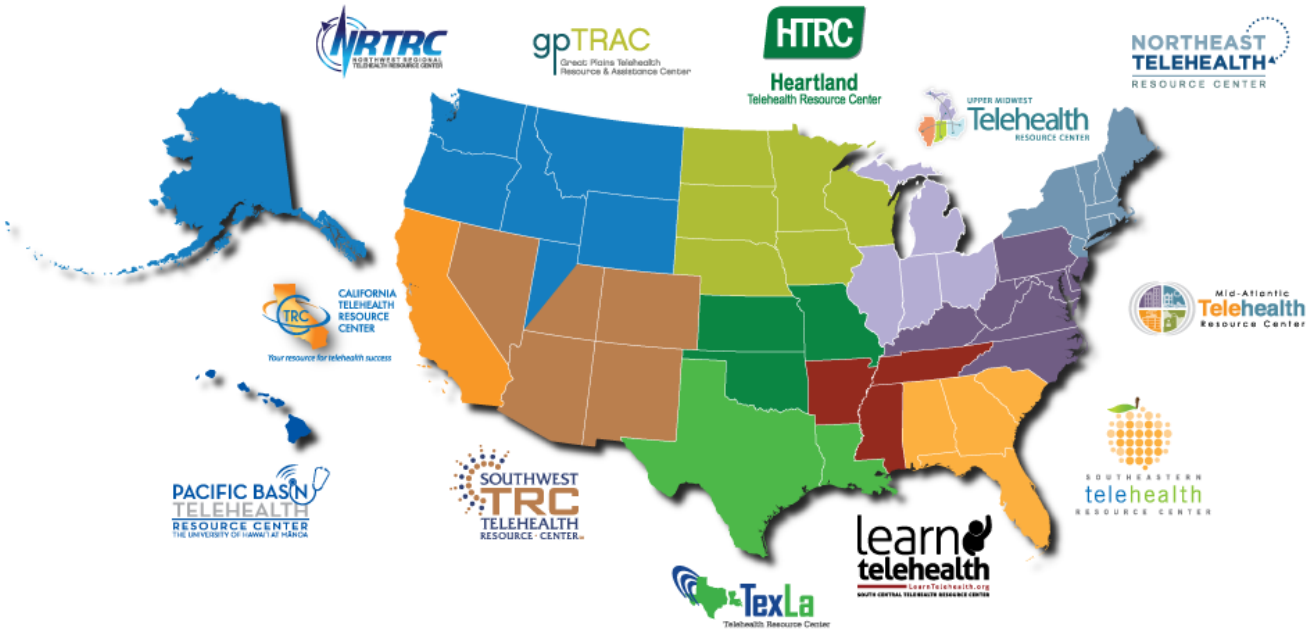
Who We Are?

TRCs are funded by the U.S. Department of Health and Human Service's Health Resources and Services Administration (HRSA) Office for the Advancement of Telehealth, which is part of the Office of Rural Health Policy.

U.S. Department of Health and Human Services
HRSA
Health Resources and Services Administration

Who We Are?

TelehealthResourceCenters.org



TTAC TelehealthTechnology.org

Center for Connected Health Policy

2 National Resource Centers

NRTRC	gpTRAC	NETRC
CTRC	HTRC	UMTRC
SWTRC	SCTRC	MATRC
PBTRC	TexLa	SETRC

12 Regional Resource Centers

Mid-Atlantic Telehealth Resource Center

Contact

For More Information:

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UVA Center for Telehealth
Email: Kathy.Wibberly@virginia.edu
Phone: 434.906.4960

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www.MATRC.org

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