

# Overview -Opportunities and Obstacles in Rural Telehealth

- The problem – many more patients needing care and fewer resources to provide it.
- The proposed solution – telemedicine/telehealth.
  - Types of telehealth
    - Real time video conferencing – synchronous – like a phone call. Examples – telepsych and telestroke.
    - Store and forward – asynchronous – like a text message. Examples – teleradiology and telederm.

# Mental Health - Scope of the problem.

Over 85 percent of the 1,669 federally designated mental health professional shortage areas are rural.

... there are entire rural counties with no psychiatrists, psychologists, or social workers.








... rates of depression and suicide are higher in rural areas.

File View Selection Tools Extent Help

zoom in zoom out back pan 100% 100% +   

Current Tool: Identify Features

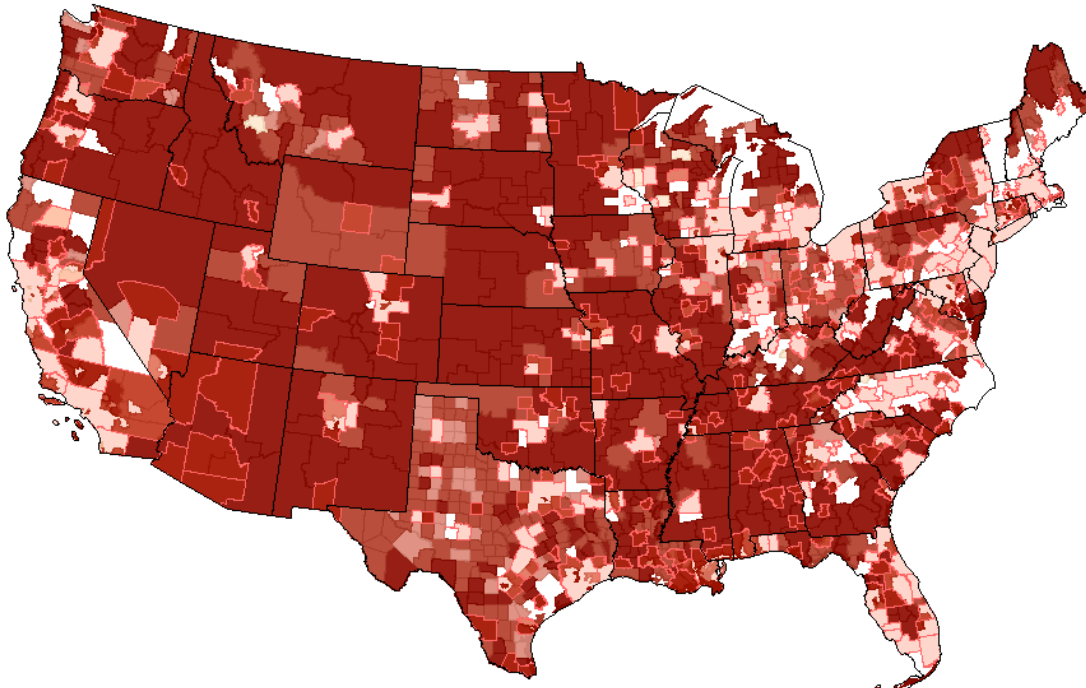
### Legend

-  State Boundaries
  -  Metropolitan Statistical Areas
  -  Health Professional Shortage Areas by Clinician Priority Score (Mental)
- 
-  15-25
  -  10-14
  -  4-9
  -  0-3

[» Back to Layer and Label Controls](#)

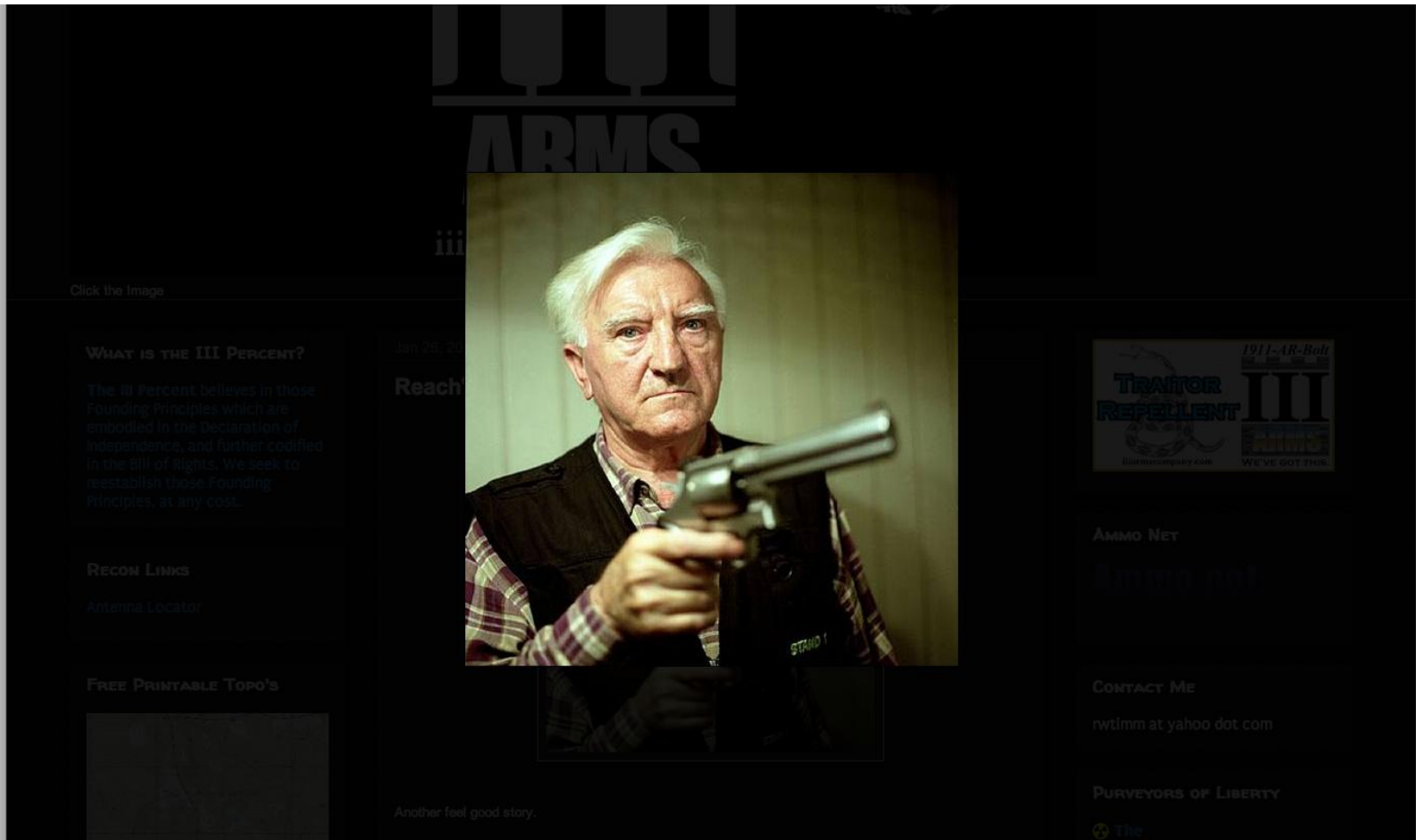
#### Layers:

Health Professional Shortage Areas by Clinician Priority Score (Mental)



Map Scale = 1:20486530  
0 296mi

# Demographics



Click the Image

## WHAT IS THE III PERCENT?

Jan 20, 2011

Reach


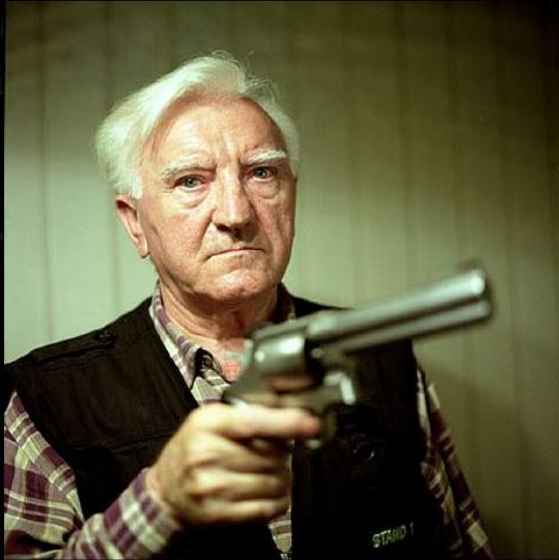
The III Percent believes in those Founding Principles which are embodied in the Declaration of Independence, and further codified in the Bill of Rights. We seek to reestablish those Founding Principles, at any cost.

### RECON LINKS

Antenna Locator

### FREE PRINTABLE TOPO'S

Another feel good story.



AMMO NET

CONTACT ME

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PURVEYORS OF LIBERTY

The

# Obstacles to care – the three A's

- Accessibility – Is there a way to talk to a mental health provider?
- Availability – When the patient needs one? – many times these are emergency cases.
- Acceptability – In a way that doesn't stigmatize the patient in the rural community?

# Opportunities for treatment - Telemental Health as a Solution

- May 2012, APA meeting - Over the 4-year study period of over 98,000 patients in mostly rural and remote clinics, VA researchers found that psychiatric inpatient admissions of TeleMentalHealth patients decreased by an average of 24.2% (annual range, 16.3% - 38.7%), and the patients' days of hospitalization decreased by an average of 26.6% (annual range, 16.5% - 43.5%).

# How does it work?

- HealthLinkNow video:
- <http://youtu.be/zbwrkrHOwWo>

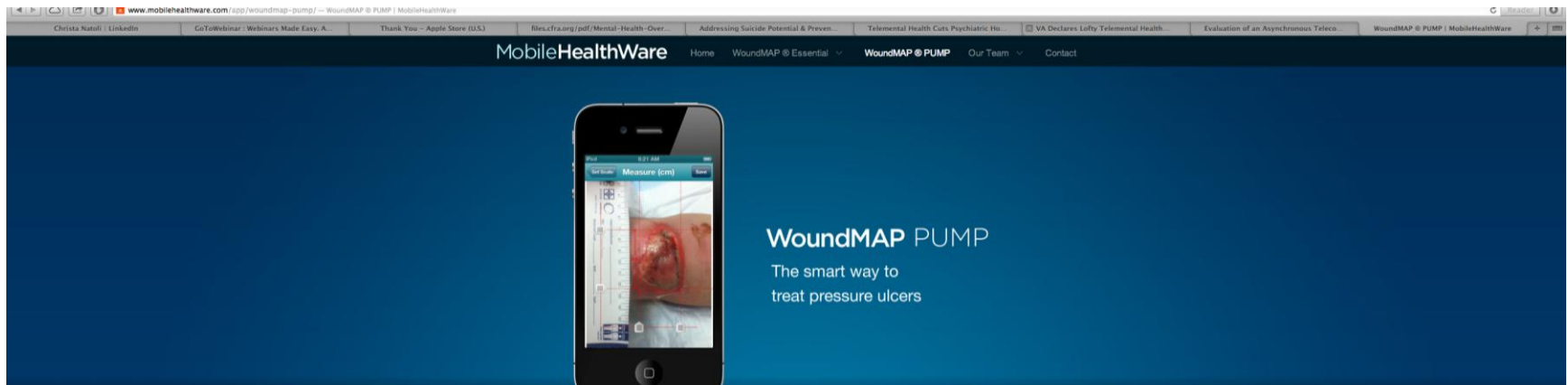
# Another Telehealth Opportunity – Telewound Care.

- Pressure ulcers affect 2.5 million Americans annually at a cost of \$9 - \$11 billion.
- The NIH has labeled skin and soft tissue wounds "A Major and Snowballing Risk to Public Health and the Economy"
- Only 2% of nurses have specialized wound care training.
- 11% of SNF patients at any time have a pressure ulcer.



# Telewound Care using the WoundMAP

## – www.mobilehealthware.com



MobileHealthWare Home WoundMAP @ Essential WoundMAP @ PUMP Our Team Contact

WoundMAP PUMP  
The smart way to treat pressure ulcers

### Introducing WoundMAP PUMP

#### Screenshot Gallery



[WoundMAP PUMP - Full Demonstration Video](#)

[WoundMAP PUMP - 5 Minute Contest Video](#)

#### Today -

- Wound care documentation is manual, slow, time consuming, and may vary from provider to provider.
- Photographs of the wound aren't easy to take, objectively reproduce, include in the chart, or share with colleagues.
- Progression of the wound can be difficult to track and document.

#### Testimonials

*I use WoundMAP every day! It will replace my other methods of wound documentation. It's quick, easy, and lets me take pictures in an objective, reproducible manner. WoundMAP allows me to look back over pictures and documentation to truly see subtle changes in how my patients' wounds are doing, and do this very quickly!*

**Marta Ostler, PT, CWS, CLT**  
Wound Care Specialist, Sheridan Memorial Hospital

*WoundMAP is very easy to use. It's much faster than the traditional method of documenting wound management. It's quick, easy, and consistent. The app is perfect for all levels of care.*

**Karen Zulkowski, DNS, RN**

# WoundMAP

Improved access to care at lower cost by:

Faster more complete bedside documentation of wounds.

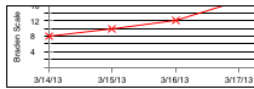
Expert guided patient and wound assessment on your iPhone or iPad at the bedside.

Creation of an assessment document including graphs of wound change over time – print as a PDF.

Opportunity to consult using encrypted HIPAA compliant e-mail.

Sheridan Hospital Wound Care Unit - Guion, Todd

Patient: Guion, Todd  
DOB: 3/18/13  
Identifier: 555-KDKDIYY  
Initiated: Mar 18, 2013, 8:45:15 AM  
Wounds/Photos: 2/5  
Braden Scale: 17



**Wound: Back**  
Type: Pressure Ulcer, Stage III, Full Thickness Skin Loss  
Location: Coccyx  
Photo 1/4 taken Mar 15, 2013, 9:31:12 AM



Dimensions (Mar 18, 2013, 9:26:52 AM)  
X Length: 5 cm  
O Width: 3.5 cm  
■ Depth: 2 cm

Tissue Surrounding Wound (Mar 18, 2013, 9:01:43 AM)  
Feel by Touch: Soft, extends out 50 cm  
Induration: extends out 40 cm

Wound Pain (Mar 18, 2013, 9:00:30 AM)  
X Level: 8

**Wound: Back**  
Type: Pressure Ulcer, Stage III, Full Thickness Skin Loss  
Location: Coccyx  
Photo 2/4 taken Mar 16, 2013, 9:31:12 AM



Dimensions (Mar 18, 2013, 9:28:09 AM)  
X Length: 4 cm  
O Width: 3.5 cm  
■ Depth: 1.8 cm

Tissue Surrounding Wound (Mar 18, 2013, 9:28:38 AM)  
Feel by Touch: Soft, extends out 40 cm  
Induration: extends out 30 cm

# Future opportunities.

- Asynchronous, store and forward telemedicine –
  - Telemental Health
  - Wound Care



# Obstacles to asynchronous telehealth.



# Legislative Priorities

- Promote payment for service models designed to reduce costs while expanding access to care. Specifically medicaid coverage for:
  - Telemental health screening and counseling.
  - Store and forward uses including medical images used for consultation and diagnosis for wound care and similar applications.

# Legislative Priorities

- Encourage use of telehealth to provide coordinated care and alleviate provider shortages – work towards interstate pacts that allow telemedicine across state lines in keeping with established referral patterns.

# Thank You – Any Questions?

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  - Or
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