

ruralhealthinfo.org





### Introducing the Rural Telehealth Toolkit

# Housekeeping

- Q & A to follow Submit questions using Q&A area
- Slides are available at
   <u>https://www.ruralhealthinfo.org/webinars/telehealth</u>
- Technical difficulties please call 866-229-3239



ruralhealthinfo.org

# Featured Speakers



Luciana Rocha, MPH, Principal Research Analyst at the NORC Walsh Center for Rural Health Analysis



Susan Maley, MPH, PhD, Managed the Rural Veterans Health Access Program from 2014 to 2018



David Scott, MPH, PhD, RPh, Professor of Pharmacy Practice at the School of Pharmacy, NDSU College of Health Professions



Danielle Louder, Program Director for the Northeast Telehealth Resource Center (NETRC)

ruralhealthinfo.org



**Rural Telehealth Toolkit** 



June 5, 2019

Luci Rocha, MPH NORC Walsh Center for Rural Health Analysis

The Walsh Center for Rural Health Analysis



### **Rural Health Outreach Tracking and Evaluation Program**

- Funded by the Federal Office of Rural Health Policy (FORHP)
- NORC Walsh Center for Rural Health Analysis
  - Michael Meit, MA, MPH
  - Alana Knudson, PhD
  - Alycia Bayne, MPA
- University of Minnesota Rural Health Research Center
  - Ira Moscovice, PhD
  - Amanda Corbett, MPH
  - Carrie Henning-Smith, PhD, MSW, MPH
- National Organization of State Offices of Rural Health
- National Rural Health Association

The Walsh Center for Rural Health Analysis



- Programs funded by the Outreach Authority of Section 330A of the Public Health Service Act seek to expand rural health care access, coordinate resources, and improve quality of care.
- The Office for the Advancement of Telehealth (OAT) promotes the use of telehealth technologies for health care delivery, education, and health information services.

The Walsh Center for Rural Health Analysis



6

UNIVERSITY OF MINNESOTA RURAL HEALTH

RESEARCH CENTER

#### **Rural Evidence-Based Toolkits**

<ol> <li>Identify evidence-</li> </ol>	2. Study	3. Disseminate
based and promising	experiences of	lessons learned
community health	these programs	through Evidence-
programs in rural	including	Based Toolkits
communities	facilitators of their	
	success	
		Success



Rural Health Information Hub: https://www.ruralhealthinfo.org/

The Walsh Center for Rural Health Analysis



NEXT EXIT 2

### **Evidence-Based Toolkit on Telehealth**

- Rural communities are developing, expanding, and sustaining telehealth programs.
- These programs aim to:
  - Improve Workforce Development
  - Improve Care Delivery
  - Increase Access to Care Among Specific Populations
- The toolkit is designed to disseminate promising practices and resources.

The Walsh Center for Rural Health Analysis





### **Rural Telehealth Toolkit**

### **Organization of the Toolkit**

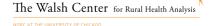




### Models to Improve Workforce Development

- In telehealth models that Promote Workforce Education and Training, rural providers use telehealth to receive face-to-face instruction, demonstrate skills they have acquired, or participate in telementoring.
- Telehealth can also Promote Workforce Recruitment and Retention by allowing rural communities to implement alternative staffing models and avoid burnout.







### Models to Improve Care Delivery

- 1. Models that Increase Access to and Engagement with Care Outside of Healthcare Settings can involve reaching patients in their homes through remote patient monitoring.
- 2. Models that **Increase Access to Specialty Care** connect patients and providers to specialized medical services that may otherwise be unavailable in their community.
- 3. Models that **Increase Access to Pharmacy Services** help rural communities retain, restore, or gain access to timely pharmaceutical services.

The Walsh Center for Rural Health Analysis



14

NIVERSITY OF MINNESO

RURAL HEALTH RESEARCH CENTER

### Models to Increase Access to Care Among Specific Populations

1. Models that **Increase Access to Care Among Children** use telehealth to address common pediatric health issues, including developmental conditions and dental care.



2. Models that Increase Access to Behavioral and Mental Health Treatment help alleviate the shortages of licensed mental health providers and lack of treatment facilities in rural areas.

The Walsh Center for Rural Health Analysis

### **Lessons Learned**

- Key barriers to telehealth in rural areas:
  - Licensing and credentialing
  - Connectivity
- Rural telehealth programs may have unique liability concerns
- Planning for sustainability during program development is critical
- Marketing telehealth programs is important for success
- Considerations for different populations



### **Contact Information**

#### Alana Knudson, PhD

Co-Director Walsh Center for Rural Health Analysis (301) 634-9326 knudson-alana@norc.org

Michael Meit, MA, MPH Co-Director Walsh Center for Rural Health Analysis (301) 634-9324 meit-michael@norc.org

#### Alycia Bayne, MPA

Principal Research Scientist Walsh Center for Rural Health Analysis (908) 431-5438 bayne-alycia@norc.org

Luci Rocha, MPH Principal Research Analyst Walsh Center for Rural Health Analysis (301) 634-9557 rocha-luciana@norc.org

15

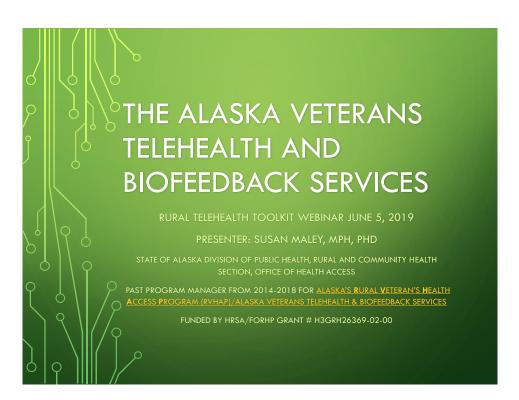
UNIVERSITY OF MINNESOTA RURAL HEALTH

RESEARCH CENTER

#### **Toolkit Project Team** Alexa Siegfried and Molly Powers

walshcenter.norc.org 🔰 @WalshCenter

The Walsh Center for Rural Health Analysis









- General stigma of 'mental health/mental illness'.
- Military culture's emphasis on being strong, self-reliant and able to 'be there' for your comrades.
- An expressed aversion by veterans to 'talk-therapy' because they:
  - Had previous bad experiences or were unfamiliar with it and uncertain about what would happen in counseling sessions.
  - Did not want to revisit traumatic experiences.
  - Were wary of the negative professional repercussions of having a 'mental health diagnosis' with impact on their:
    - Ability to own firearms.
    - Be employed as a 1<sup>st</sup> responder.
    - Security clearances if in the reserves or National Guard.



- Services were available to all rural veterans, both those enrolled in the VA healthcare system and unenrolled.
- Development and delivery of statewide Telehealth free 8 week stress reduction and skill building series of hourly 1 hour sessions with
- Contracted licensed counselors trained and certified in a specific method of building resilience biofeedback techniques. Two counselor's training and a percent of their time paid for by the RVHAP.
- ZOOM HIPPA-compliant software used for weekly video-conference sessions which veterans could access from their computers, tablets or smartphones
- Handheld Biofeedback devices provided at no-cost to each participating veteran (with emphasis that they had 'already paid' for the services and device through their military services)

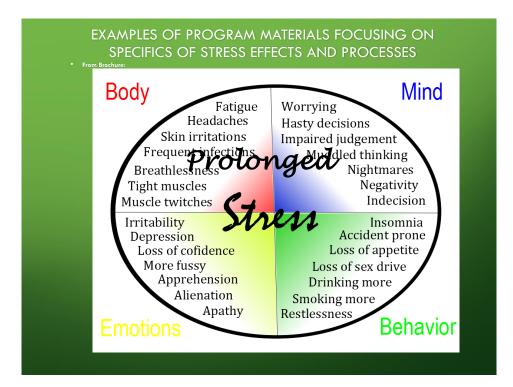
### ALASKA'S RURAL VETERANS HEALTH ACCESS PILOT PROJECT APPROACH TO ADDRESS THESE CONCERNS CONTINUED

- Thorough screening procedures which were in alignment with VA Tele- Mental Health Intake screening protocols and developed in consultation with Vision 20's Director of Telehealth and VA psychologist with five year's tele-mental health experience.
- Extensive series of paid social-media sponsored posts, newspaper and radio announcements by a veteran who was the first participant in the pilot project.
  - Strong emphasis on Skill building and physiological effects of stress to 'destigmatize' the process.
- NO diagnosis with a focus on issues bothering the veterans that were Consistent with the spectrum of PTSD and stress-related symptoms.

#### NEUROBIOLOGY OF STRESS EXPLAINED TO VETERANS AND ILLUSTRATED IN PROGRAM BROCHURE

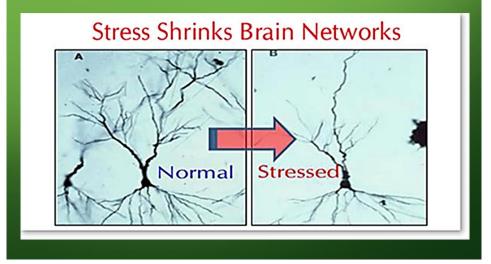
 Trauma and prolonged stress physically & chemically alter the brain

- Neurons shrink, altering physical and chemical connection and communication pathways
- Altered pathways affect thoughts, feelings, & behaviors
- The brain operates on patterns, positive or negative
  - The more a pattern is found, the more the pathway is reinforced, resulting in negated alternative pathways ("what fires together wires together")
  - Dysfunctional patterns created by stress can become normalized, causing re-traumatization and flashbacks
  - Lessening stress and using biofeedback as visual reinforcement can help reset previously destroyed healthy patterns



### REBUILDING HEALTHY NEURAL PATHWAYS

Decreasing stress allows healthy neural pathways to be regrown with the learning of new skills and enables re-patterning



### • HOW DOES BUILDING RESILIENCE WORK USING BIOFEEDBACK TOOLS AND TECHNIQUES?

• An external visual representation of some internal

process(es)

- Thermometer
- EEG/EKG
- Heart Rate Variability



Enables manipulation of the internal process(es)

- Enhances individual's awareness
- Develop effective regulatory skills



• Clinically proven efficacy in reducing negative symptoms related to:

• Depression, anxiety, stress, PTSD and other trauma,

- Heart disease, pain management, diabetes
- Cognitive challenges related to ADD/ADHD, mood regulation, spiraling thoughts, etc.
- Effective at improving sleep and mood regulation
  - Appropriate for use with numerous populations
    - Military personnel, first responders, those exposed to vicarious trauma, teens, children, families, couples, and groups



- Evidence-based, <u>non-invasive</u> method of correction to achieve
- desired outcome(s)
- Can use via remote connection/telehealth, accessing un(der)served populations
- Alternative to "more meds"
- Empowering
- Not contraindicated w/ other modalities and can be combined
- Low cost, ongoing benefits that are cumulative w/ continued, regular use
- Works w/ client/patient schedule, virtually an anytime/anywhere therapy

## RATIONALE FOR CHOICE OF TRAINING PROGRAM TO BUILD RESILIENCE

- The method chosen was HeartMath based on it's training experience with active military and veterans. expertise with heart-rate variability monitoring devices and building resilience training. It was recommended by one of the RVHAP's Community Mental Health Center partners who used it for in-person counseling sessions.
- HeartMath Institute (HMI) offers <u>Veteran-focused services and free</u> resources and has been used in many military settings with documented efficacy.
  - It also offered discounts on biofeedback equipment for the RVHAP program (and all veterans).

## THE EQUIPMENT: INNER BALANCE OR EMWAVE2



- Connects to phone via Bluetooth then sync's to HeartCloud via WiFi
  - Expansive application on
  - Ophone/tablet/Kindle, includes tutorials
  - Ear sensor capability only
  - Enables view of power spectrum for clinician Use w/ Android or iPhone (separate

purchase)

- B



- Connects to desktop/laptop computer or stand-alone (then sync via cable)
- Can be used discretely in pocket/purse w/ thumb sensor
- Choice of ear, finger (with additional equipment) or thumb to take reading
- Games/visualizers through desktop application

### PILOT PROJECT'S RESULTS

 The project was successfully integrated into contracted community mental health center's service delivery within one year and moved to the sustainability phase.

- Alaska VA strongly supported referrals to the community mental health center for the 8-week series for veteran from their primary care and mental health clinicians. The VA's <u>Whole Health program</u> opens reimbursement options for rural health providers as does the new <u>VA</u> Anywhere to Anywhere Telehealth Initiative.
- In 9 months 15 veterans participated in the project with 9 completing. The other participants had all gave positive feedback but dropped out because of other medical issues, spouse's medical issues, move out of state or job time conflicts.

• All completing participants had the top two of five ratings for the Benefits they experienced. Three examples follow:



Veteran who served multiple tours in Iraq:

- Family noticed the difference in him when practicing vs. not practicing and would encourage his practice
- Helped him with chronic pain resulting from a combat wound
- Improved focus lost from his TBI
- Allowed self-regulation and trigger avoidance while talking to other veterans

Only technique that enables self-regulation in the moment

### VETERAN FEEDBACK CONTINUED

- After 3 sessions, decrease in reactivity, anger, and improved sleep after 30 years of other therapies w/o results: Veteran's quote "I've been angry for 25 years, had 15 jobs and now after 4 sessions I can sleep without taking another medication.
- Able to function in public w/o debilitating anxiety
- Able to process prior trauma, family issues, and loss of loved ones
- Successfully completed the 8 week program but continues w/ weekly biofeedback assisted therapy



### CHALLENGES

 Community mental health centers deal with people in crisis on a daily basis and maintaining scheduled contacts for this project required juggling.

• Continued stigma and reluctance of veterans (and the general population) to seek services

• Development of effective outreach which is one of the necessary processes of a pilot project

 Lack of sufficient band-width for video counseling sessions in some rural areas where there were veterans wanting services.

### FACILITATORS

- Strong commitment to the project from the community mental health center clinicians who developed increased coping skills from the HeartMath biofeedback training for themselves for the stresses and secondary caregiver traumas of their positions.
- Clinicians engagement with the project deepened when the veterans participating all made significant gains. This in turn motivated the clinicians to hone their skills.
- Strong support from the Alaska Veterans Healthcare System (AVHS) Director of Rural Health over the course of the project and from the AVHS Director for the biofeedback program once the veterans began reporting results.
- Strong support from a VA Clinical Psychologist whose patients referred for the 8 week biofeedback program made more rapid progress in their group and individual therapy sessions.

### LESSONS LEARNED

- Listening to Veterans to learn what services they do (and do not) want is critical to construct a program that will be used and of benefit. Their input through direct contact (outreach events, focus groups, etc.) is vital. Telehealth is a mode of delivery that expands healthcare delivery but what is being delivered has to fill a perceived need and be acceptable, accessible and affordable.
- Developing and maintaining strong relationships with partners delivering services and referring veterans is essential.
- A short-term biofeedback program within a community mental health program can be assimilated into on-going services and broaden the patient base through an expansion into providing alternatives to talk-therapy.

Webinar for FORHP Rural Telehealth Toolkit - Wednesday, June 5 at 12 pm (Central)

# The North Dakota Telepharmacy Project

David M. Scott, BPharm, M.P.H., Ph.D.

Professor College of Health Professions North Dakota State University Fargo, North Dakota (ND Telepharmacy 2019) https://www.ndsu.edu/telepharmacy/

## **Telepharmacy Challenge:**

- Target Population
  - ND has a population of 755,000 (2019)
  - Very rural, much is consider frontier (< 6 people/square mile)
  - ND has a rural health care crisis
- Why is telehealth necessary?
  - 26 rural community pharmacy closings
  - 12 additional pharmacies at risk of closing
  - ND pharmacist shortage retirements no replacement
  - Above factors lead to a negative impact on rural health

## ND Telepharmacy Project

#### Program funding

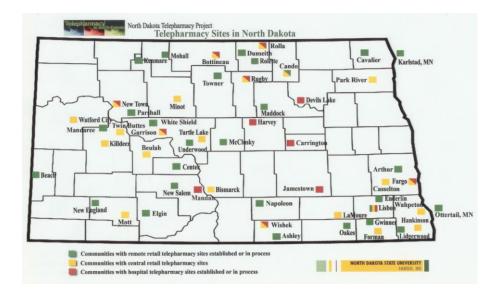
- Funded by the Office for the Advancement of Telehealth (OAT), of the U.S. Dept. of Health and Human Services
  - First Initiated: 2002
  - Approximately \$2.5 million federal support through 2012

#### • Partners (Facilitators of our success)

- NDSU School of Pharmacy
- North Dakota State Board of Pharmacy
- ND State Pharmaceutical Association
- Licensed rural community pharmacies

## Goals of Telepharmacy Grant:

- RESTORATION restore pharmacy services in rural communities which have lost their services
- **RETENTION** retain pharmacy services in rural communities which are at risk of losing their services
- ESTABLISH establish pharmacy services in rural communities which have previously not had services



### North Dakota Telepharmacy Project: A Historical Look

-	A miscoricar Look					
	Fiscal Year	Sept 2002- Aug. 2003	Sept 2003- Aug. 2004	Sept 2004- Aug. 2005	Sept 2005- Aug. 2006	Sept 2008- Aug. 2009
	Central Sites	4	7	11	21	24
	Remote Sites	6	11	17	36	48
	Total Sites	10	18	28	57	72
	Retail Sites	10	18	25	44	51
	Hospital Sites	0	0	3	13	21
	Interstate Sites	0	0	1	2	2

## Pharmacy Technician: Remote Telepharmacy Site

#### • Training Requirements:

- ASHP accredited training program or equivalent
- Registered with ND Board of Pharmacy
  - Minimum of one year experience in dispensing prescriptions
  - Salaries are \$15/hour or more

#### • Responsibilities:

- Obtains medication order from the patient
  - Enters medication order into computer
  - Performs product filling, labeling and billing
- Operates connecting audio/video link to the central-site pharmacist
  - Uses document camera to provide digital images of the written medication order, drug, and label for verification by the pharmacist

44

45

## **Pharmacist Responsibilities**

- · Performs final check of technician product preparation
  - Performs medication profile review
  - Performs final order verification and approval and releases medication for dispensing to patient
- Provides professional consultations to patients and physicians upon request
- Remote site visits

47

# Telepharmacy in a Community Pharmacy Setting





500MG TAB TWO TIMES A DAY



### Cost of Telepharmacy Technology

(note: 2008 technology and costs)

- Grant assisted telepharmacy start-up costs
  - 50% OAT Grant/50% ND Pharmacy owners
- Standard PC's with Pharmacy Software (\$18,050 TOTAL COST/site)
  - \$2,000 PC Computer, \$850 2-XGA Computer Monitors
    - \$500 Printer/Fax Machine
  - \$2,400 Dukane Document Camera
  - \$1,800 DSL Connectivity to Internet/year
    - \$1,000 Sonic Firewall
    - \$8,500 Polycom VSX 7000
  - \$1,000 Equipment Installation & Configuration

## **Telepharmacy Outcomes Research**

- Economic Outcomes
  - 2008, Cost Study: Determine Financial Viability of a Telepharmacy
  - 2017, Sustainability Study of ND Community Telepharmacy
- Clinical Outcomes
  - 2011, Medication Dispensing Error Study: Compare Error Rates Between Telepharmacy and Traditional Pharmacy Services
- Humanistic Outcomes
  - 2009, Patient Satisfaction Study: Determine the Level of Customer Satisfaction with Telepharmacy Services

53

## Sustainability of ND Community Telepharmacy

Scott DM, Friesner D, et al. Sustainability of Community Telepharmacy in North Dakota. <u>JAPhA</u>. 13-May-2017 DOI information: 10.1016/j.japh.2017.02.005.

**Objectives:** To assess the sustainability of the business model underlying the North Dakota Telepharmacy Project (NDTP).

**Setting:** Of the 38 community pharmacy organizations (14 central, 24 remote), 27 organizations (11 central and 16 remote sites) provided a useable set of responses (71.1% response rate). A twelfth organization (community pharmacy) ceased operations over the study's time frame and was not included in the data analysis.

**Evaluation:** The questionnaire was administered from December 2015 to February 2016 to all NDTP community telepharmacy owners-managers. Thus, 1 participant (owner-manager) addressed both central and remote-site locations served by a pharmacy.

**Results:** Most respondents reported that their telepharmacy sites (especially remote sites) generate small positive financial returns for the organization. Respondents also reported that the closure of their remote sites would significantly harm the communities they serve.

**Conclusion:** NDTP aims of restoration and retention have been achieved via the investment and shared decision-making with ND pharmacy owners. The telepharmacy model is sustainable, even if it does not generate significant economic profit.

54

### Lessons learned from ND Telepharmacy Project:

- Maintain/improve access to pharmacy services in underserved rural areas
  - Provides pharmacists relief staffing for covering routine hours, evenings, weekends, vacations, sick days, and professional meetings
  - The ABCs of pharmacy must be on the same page
    - ND community pharmacy ownership law,
    - Progressive and leadership from the Board of Pharmacy
- Potential sites: PHS IHS, rural states, high medical/pharmacy need areas

## **Telepharmacy References**

- The North Dakota telepharmacy project: restoring and retaining pharmacy services in rural communities. J Pharm Technol 2004;20:28-39.
- Khan S, Snyder HW, Rathke AM, Scott DM, Peterson CD. Is there a Successful Business Case for Telepharmacy. <u>J Telemedicine and eHealth</u>. 2008;14:235-244.
- Friesner D, Scott DM. Exploring the formation of patient satisfaction in rural community telepharmacies. J Am Pharm Assoc. 2009;49:48-57.
- Friesner DL, Scott DM. JAPhA. 2011;51(4). Remote vs. traditional community pharmacies.
- Scott DM, Friesner DL JAPhA. 2012;52(6). Remote vs. central telepharmacy sites.
- Brown W, Tieg N, Scott D, Friesner D. Working with Rural Community Pharmacists to Pilot Telemedicine as a Way to Increase Access to Asthma Care. Journal of Asthma. 1/07/17.
- Scott DM, Friesner D, Undem T, Anderson G, Sem K, Peterson CD. Sustainability of Community Telepharmacy in North Dakota. <u>JAPhA</u>. 13-May-2017 DOI information: 10.1016/j.japh.2017.02.005.
- https://www.ndsu.edu/telepharmacy/

56

57

Appendix A.

# Telepharmacy in a Hospital Setting

## Current Challenges Facing Rural Hospitals

- 35% of rural hospitals have a pharmacist on-site for less than 40 hours each week.
  - 46% have 1.0 FTE or less pharmacist staffing
  - 33% with 0.5 FTE or less pharmacist staffing share a pharmacist with another hospital
  - 8% have a pharmacist on-site for 2 hours or less each week

## Hospital Telepharmacy Models

- A community pharmacist delivers pharmacy services to a rural hospital
- Hospital telepharmacy network several hospitals share pharmacists staffing
- Hospital pharmacist delivers services from home
- Urban medical center with 24 hour pharmacist staffing serves a rural hospital
- Central pharmacy operation with 24 hour pharmacist staffing dedicated to supervising remote telepharmacy sites
  - Mobile telepharmacy cart

## Hospital Telepharmacy Network

Heart of America Medical Center, Rugby, ND (John Skwiera – PIC) – Central Site
 Mercy Hospital, Devils Lake, ND – Remote Site (Carol Manbeck, R.Ph.)
 St. Aloisius Hospital, Harvey, ND – Remote Site (Toni Bromley, R.Ph.)
 Presentation Medical Center, Rolla, ND – RS (Pam Kaleva, R.Ph.)
 Carrington Health Center, Carrington, ND – RS (Cindy Herk, R.Ph.)

SCCI Hospital, Mandan, ND – RS (Joan Galbraith, R.Ph.)

Towner County Medical Center, Cando, ND - RS

(Ruthann Held, R.Ph.)









# Demographics of Hospital Sites

Site	Rugby	Devils Lake	Harvey	Rolla	Carrington	Cando
Number of beds	38	50	25	25	25	20
Doses filled per month	10,000	11,000	8,500	23,000	9,000	7,000
Staffing	1 FTE RPh 1FTE Tech 1 PT Clerk	1 FTE RPh 1FTE Tech 1 PT Clerk	1 FTE RPh 1PT Tech	1 FTE RPh 1FTE Tech	1 FTE RPh 1FTE Tech	1 FTE RPh 1FTE Tech
Hours of Service	8am-4:30pm, M-F 9am-Noon, Sat. & Sun.	8:30am- 5pm, M-F	8:30am- 4:30pm, M- F	8am-5pm, M-F	8am- 5pm, M-F	8am-5pm, M-F

### Appendix B.

#### "Do Remote Community Telepharmacies have Higher Medication Error Rates than Traditional Community Pharmacies? Evidence from the North Dakota Telepharmacy Project"

David Scott, Dan Friesner. North Dakota State University, Fargo, North Dakota

Acknowledgement of Partners: NDSU School of Pharmacy North Dakota State Board of Pharmacy ND State Pharmaceutical Association Licensed rural community pharmacies

### Accuracy Rates of 50 Community Pharmacies. Implications for Community Practice

Flynn, Barker. JAPhA 2003.

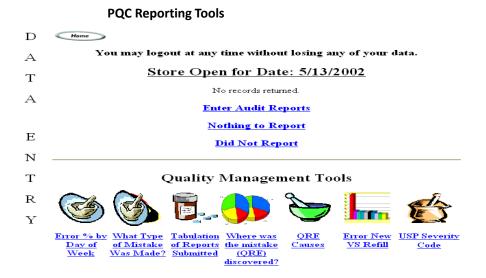
#### • Error Rate Implications for Community Practice

- 98% accuracy rate or an 2% error rate.
- 6 errors per day in 300 Rx/day pharmacy.
- 64 million errors on 4 billion prescriptions/year filled in U.S.
- 4.1 million/year potentially clinically important errors.

### Components of the Pharmacy Quality Commitment (PQC) System

#### • Quality Related Events (QRE)

- Error
  - Mistake that gets to the patient.
- Near Miss
  - Mistake that is corrected before it gets to the patient.
- Both are important to track and analyze.



#### Peer Review Audit Form Peer Re w Audit lity Improven PLEASE PRINT TO: Peer Re ne and # nt & C Pharma v Nar orting Rx Drug(s) Involved What hap pened and why; Prese Dispensed May NO EXAMPLE DATA We d Warfarin 2.5 Warfarin 5 cide NDC chec Ŷ 0 60 1 0 ake gaught di artner che Final patent Partner ch Will-call at Watient Dis Patient Dis Other Entry Entry Filling Courselin Delivery

70

### **Table 1. Medication Dispensing Mistakes**

Variable	Remote Site TP	Comparison pharmacies
Total Prescriptions filled	47,078	123,346
Pharmacy-discovered QREs (mistake)	553	877
Patient-discovered QREs (mistake or error)	78	125
Total mistakes, or QREs	631	1,002
% Prescriptions that are QREs	1.34%	0.81%
% QREs that did not reached patient ("near miss")	1.17%	0.71%
% QREs that did reached the patient ("errors")	0.17%	0.10%

Flynn 2003 national study found an 2% average error rate for community pharmacies. **ND study reports an overall 1% average error rate** 

(QREs = "near misses" & "errors").

 $\dot{ND}$  study reports a slight error difference between remote telepharmacy (1.3%) sites and comparison (0.8%) pharmacies.

## Conclusion

- National studies in community pharmacies show an average error rate of 2%.
  - ND Telepharmacy error rate is 1%.
- ND study reported a lower overall rate and a slight difference in medication dispensing error rates between remote telepharmacy sites and comparison pharmacies.
  - Source: Friesner DL, Scott DM, Rathke AM, Peterson CD, Anderson HA. JAPhA. 2011;51(4).



June 6, 2019 Rural Telehealth Toolkit

Intro: Telehealth Resource Centers

Key Contacts, Services and Resources









#### Technical Assistance

We provide expert technical assistance to help build and enhance telehealth programs across the nation. Key focus areas include but are not limited to: telehealth policy, technology, business planning, workflow, etc.

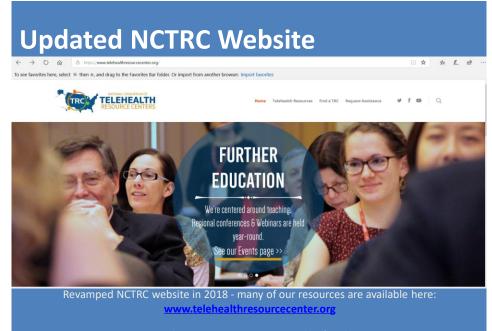
#### Development

We develop educational materials and resources for health systems, providers and patients. Includes: designing/executing needs assessments, identifying funding sources, and assisting with telehealth technology selection are also among our specialties.

www.netrc.org

#### **Business strategy**

We connect telehealth leaders at local, state, and federal levels to raise awareness and collaboratively produce specialized tools and templates for telehealth programs and providers.



Reaching us is easy, just use our online form!

## **TRC Fact Sheets**



Annual Report 2018 A report on our 2018 year of service

**NCTRC** 

**Series** 

Webinar



Framing Telehealth There are various ways to interpret telehealth. This fact sheet will help shape your perspective.



15 key steps for creating a business proposal to implement telemedicine.



Telehealth Policy Issues Existing policy barriers on both federal and state levels contribute to the limited use of telehealth.

#### These are just a few!

www.netrc.org

## Schedule

(EST), the National (EST), the National Consortium of Telehealth Resource Centers provides a free webinar for those interested in telehealth.

#### Content

The TRCs have an expansive network of professionals in the field of telehealth. Monthly topics encompass diverse areas ranging from policy, business models, clinical workflow, telehealth program development, etc.





Hands-On Training

Education

Networking

## Regional Conferences

TRCs host conferences year-round. Take a look at what's coming up in your region: https://www.telehealthresourcecenter.org/events/

www.netrc.org



## **Contact Us**

NATIONAL CONSORTIUM OF TELEHEALTH RESOURCE CENTERS NCTRC Contact Page: https://www.telehealthresourcecenter.org/contact/

Sign up for our <u>NCTRC Newsletter</u>!

Check out our YouTube channel: https://www.youtube.com/c/NCTRC

Find us on Facebook and Twitter! https://www.facebook.com/TheNCTRC https://twitter.com/TheNCTRC

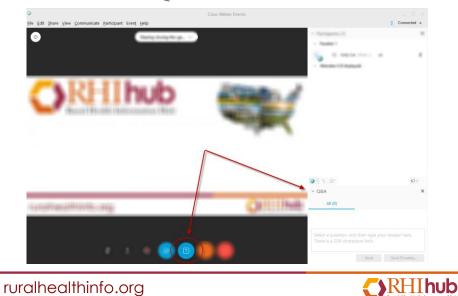


Danielle Louder Program Director, Northeast Telehealth Resource Center Co-Director, MCD Public Health Email: <u>DLouder@mcdph.org</u> Phone: 207-622-7566 ext. 225



www.netrc.org

# Questions?



# Thank you!

- · Contact us at ruralhealthinfo.org with any questions
- Please complete webinar survey
- Recording and transcript will be sent to you
  - Slides are available at https://www.ruralhealthinfo.org/webinars/telehealth

ruralhealthinfo.org

