





## Arizona State Office of Rural Health Webinar Series

Today's presentation:

Stopping Superbugs with Telehealth September 19, 2019



## Arizona State Office of Rural Health Monthly Webinar Series

Provides technical assistance to rural stakeholders to disseminate research findings, policy updates, best-practices and other rural health issues to statewide rural partners and stakeholders.



Thank you to our partners in delivering this webinar series:





### Webinar Tips & Notes



- Audience is muted during the presentation.
- Enter your questions into the chat box.
- Please fill out the post-webinar survey
- Webinar is being recorded
- Recording will be posted on the AzCRH <u>www.crh.arizona.edu/</u> and SWTRC <u>www.southwesttrc.org/</u>

## Stopping Superbugs with Telehealth







#### DR. KEVIN STEPHAN

**DIRECTOR OF STRATEGY & PLANNING** 

Dual board-certified in Infectious Disease and Internal Medicine

23 years of patient care in the Air Force

Led HIV research program for the military

Long standing commitment to antibiotic stewardship



## (eInfectionMD)

**Delivering Infectious Disease Treatment Virtually** 

## What Are Superbugs?

And what is antimicrobial resistance?









#### 2,000,000 People

Number of antibiotic-resistant infections annually

\$18,588

Estimated cost for in-patient treatment for antibiotic-resistant infection

#### 9 Days

Increased hospital stay due to antibiotic resistance



At Least 30% of Prescribed Antibiotics Are Unnecessary

### **HOW DO WE FIX THIS?**

Infectious Disease Specialists and Clear Processes











\$20,524

SAVED

Amount we saved a SNF with antibiotic interchanges

90%

**REDUCTION** 

In hospitalization due to ability to treat Sepsis inhouse

89%

**DECREASE** 

IV lines were reduced due to antibiotic interchanges from IV to oral

**ZERO** 

**CAUTIS** 

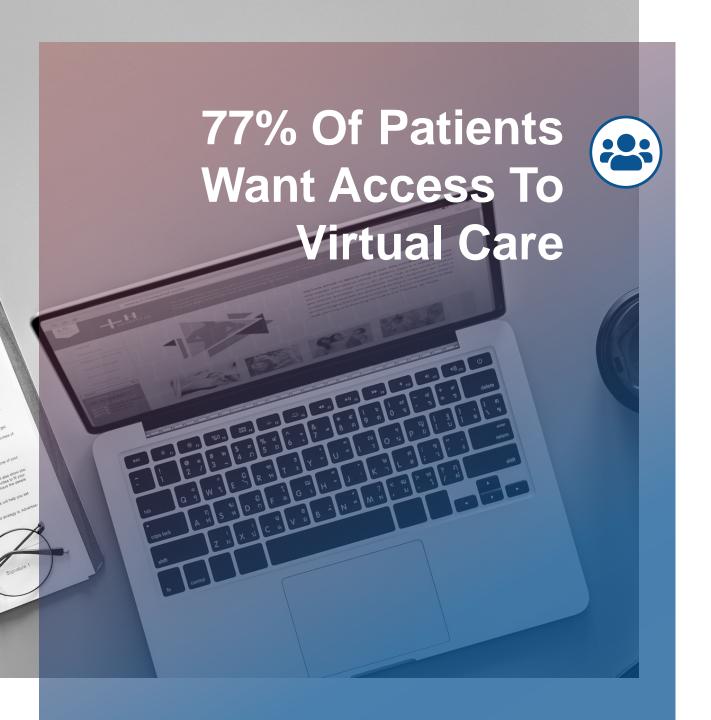
Catheterassociated UTIs were eliminated completely



# TELEHEALTH TO THE RESCUE!

Cue the superhero music





#### **Simple Technology**

Just need a smartphone or simple laptop with a webcam

#### **Accepted by all Insurances**

Including medicare & medicaid

#### **\$0 Cost to Facilities**

Specialists bill insurances directly



### **FULL FACILITY INTEGRATION**













## #1 Leadership Commitment

A change in culture requires full commitment and a champion to see it through.







## **#2 Staff Education**

Everyone needs to understand the cause and the intended impact





## #3 Admissions Collaboration

Bring in higher acuity patients. Prevent unnecessary antibiotic orders.





## #4 Update Testing Protocol

Cut back on needless testing.







Before you prescribe, consult your ID provider.





# #6Treat PatientsVirtually

Schedule patient treatment directly with ID providers through video visits.



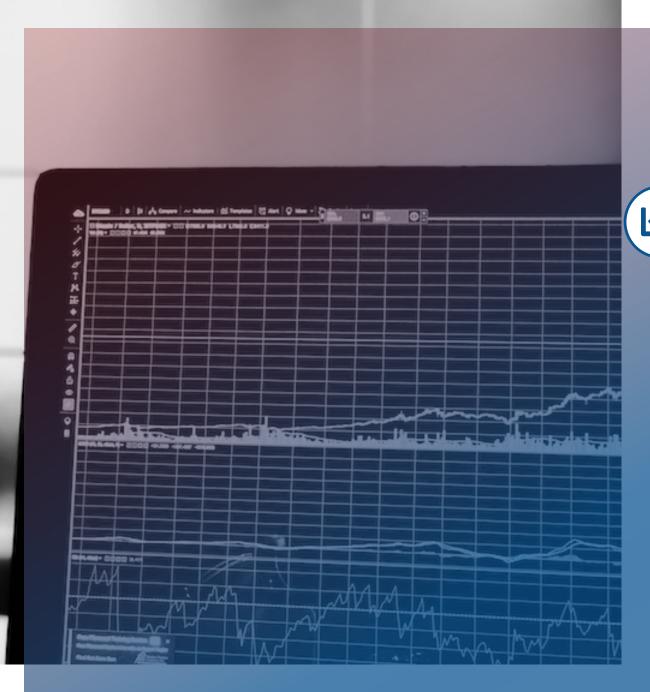




### **#7 Discharge Follow Up**

Schedule virtual ID follow up with the patient to check in on treatment progress.





### #8 Mor

### Monitor, Report, Adjust, Repeat

You can't fix what you don't know is broken



## DOWNLOAD THE GUIDE

www.eInfectionMD.com/teleidguide









#### Thank you! Be sure to save the date for Upcoming AzCRH Webinars

Arizona Common Ground Krista R. Cardenas, MPH Thursday, October 17<sup>th</sup>, 2019, 12pm







### Your opinion is valuable to us. Please participate in this brief survey:

https://uarizona.co1.qualtrics.com/jfe/form/SV\_cHot4w3TKIPqiMd This link will also appear when you exit the Webinar.

#### Find this and our previous webinars at:

http://www.crh.arizona.edu/programs/sorh/webinars

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