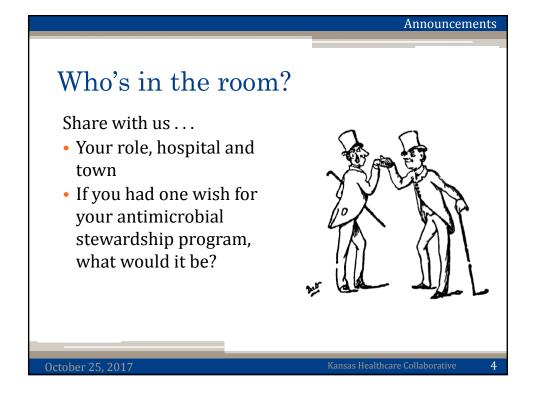
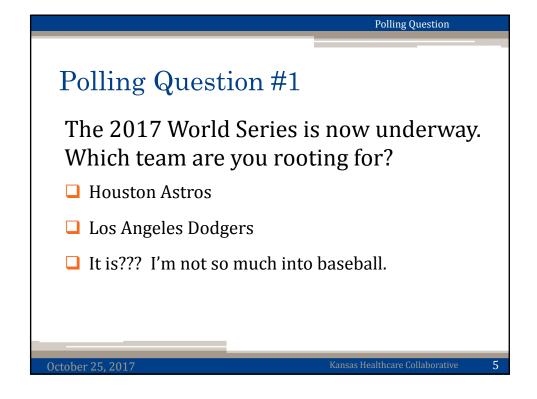


# Agenda • Welcome and Announcements • Measures & Data Update • Antimicrobial Stewardship • Discussion / Q&A • Resources • Upcoming Events

# Presenters Kansas Healthcare Collaborative Michele Clark, Program Director Rob Rutherford, Senior Health Care Data Analyst Kansas Department of Health and Environment Bryna Stacey, MPH, BSN, RN, Director, Healthcare-Associated Infections and Antimicrobial Resistance Program





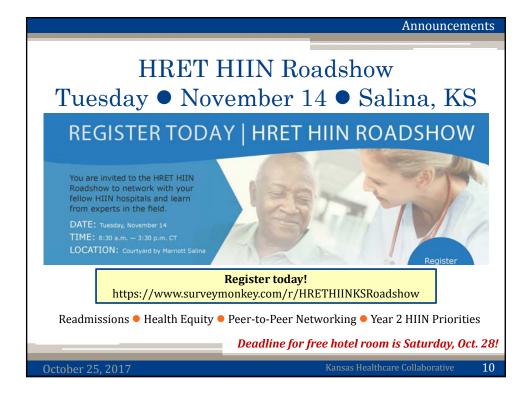


October 25, 2017

### HIIN Goals By September 2017, hospitals in the KHC HIIN will achieve 20% reduction in all-cause harm and 12% reduction in readmissions.

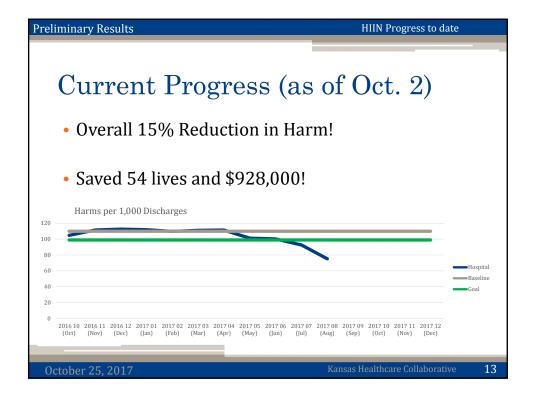




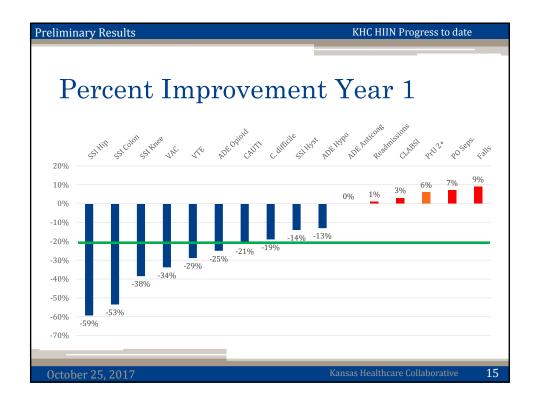


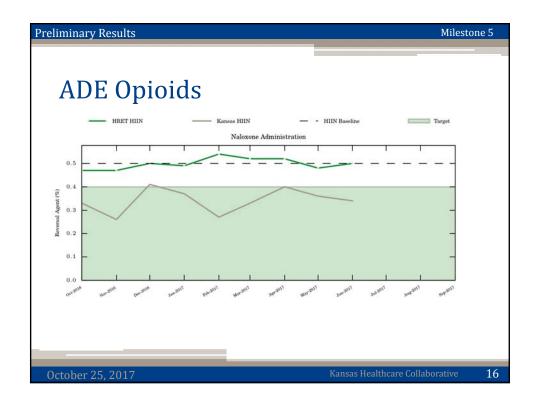




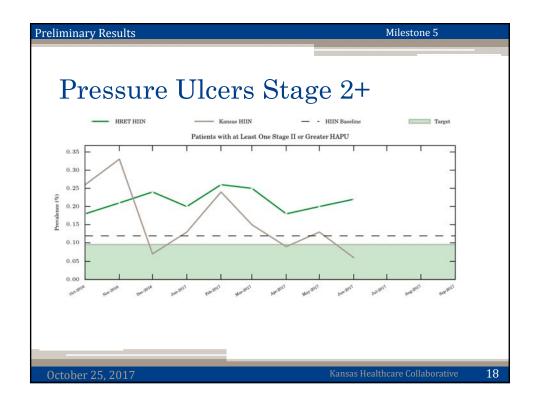


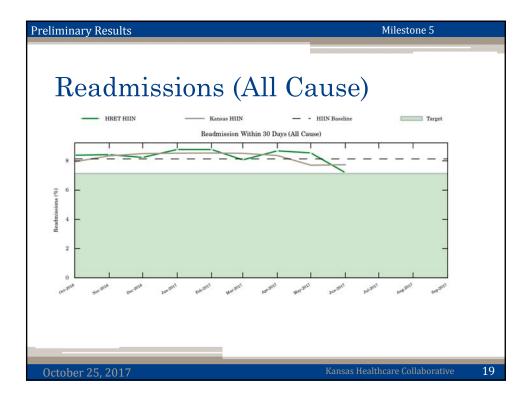


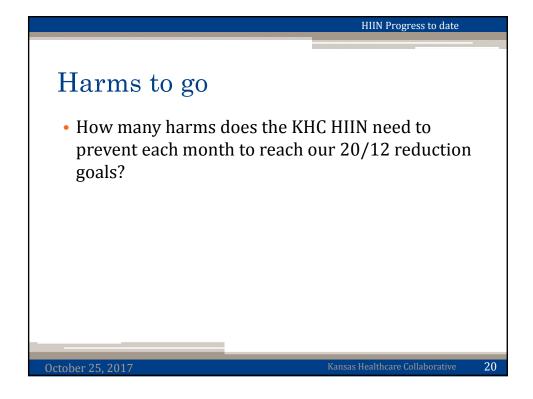


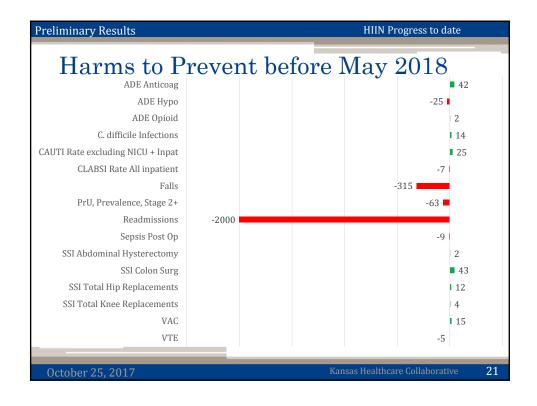


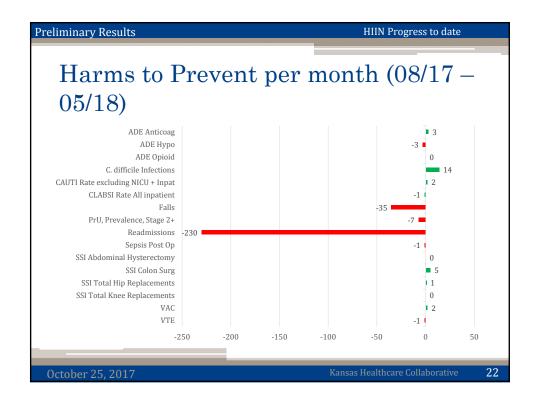








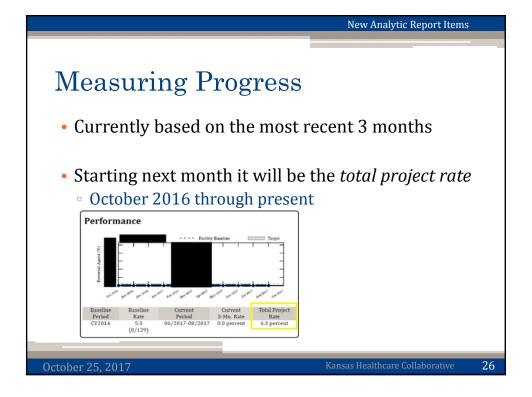


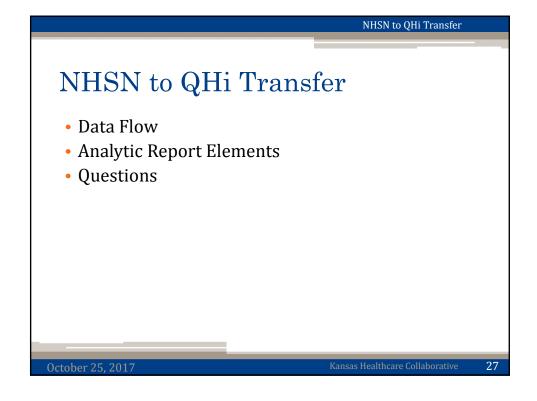


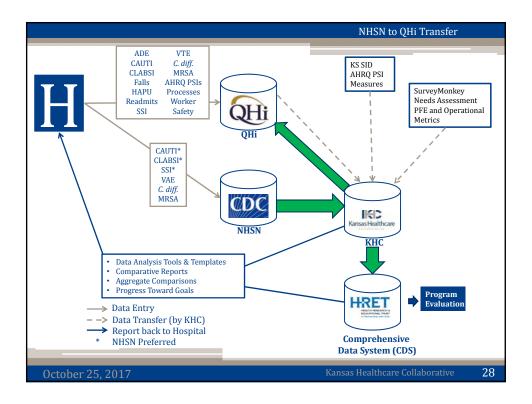
# HIIN Progress to date Harms to Prevent across the state ADE - Hypoglycemia: 3/month CLABSI: 1/month Falls with Injury: 35/month Stage 2+ Pressure Ulcers: 7/month Readmission: 230/month Post-Op Sepsis: 1/month

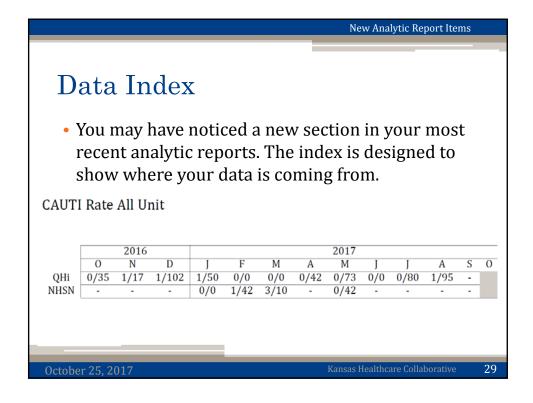
# Sepsis Bundles Reminder that the 3 and 6-hour sepsis bundles part of Blue Cross' Quality Based Reimbursement Program (QBRP) These measures are available in QHi They are part of your analytic reports if you're entering data

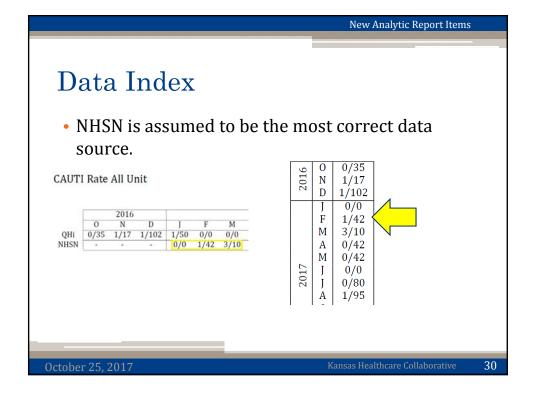
# Measuring Progress • With the transition to Year 2 we'll start using the full 20/12 progress goals. October 25, 2017 Kansas Healthcare Collaborative 25







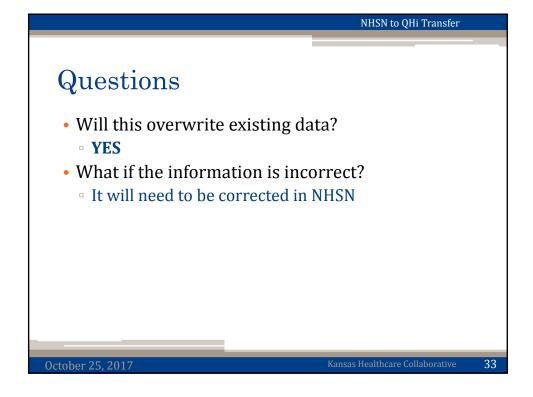


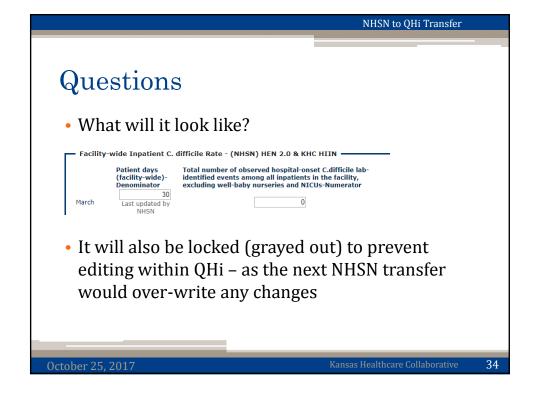


October 25, 2017

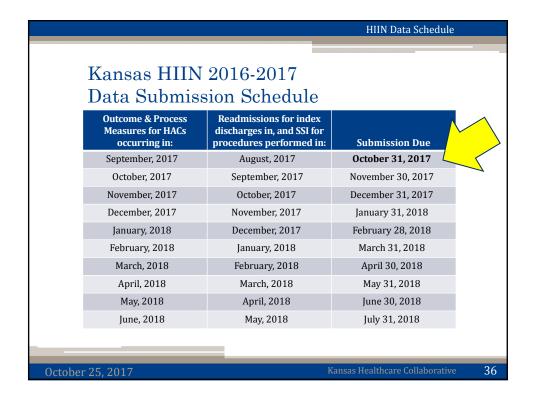
### What's being transferred? CAUTI (Infections, Utilization) CLABSI (Infections, Utilization) SSI (Colon, Hysterectomy, Knees, Hips) C. difficile MRSA Bacteremia Standardized Infection Ratios (SIRs)

# Questions • When will it start? • Today - Wednesday, October 25<sup>th</sup> • What time period will be transferred? • January 2015 through the present • How often will data be transferred? • Once a month synchronized with our final analytic report











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### **Antimicrobial Stewardship**

Bryna N. Stacey, MPH, BSN, RN

Healthcare-Associated Infections and Antimicrobial Resistance (HAI/AR) Program Director

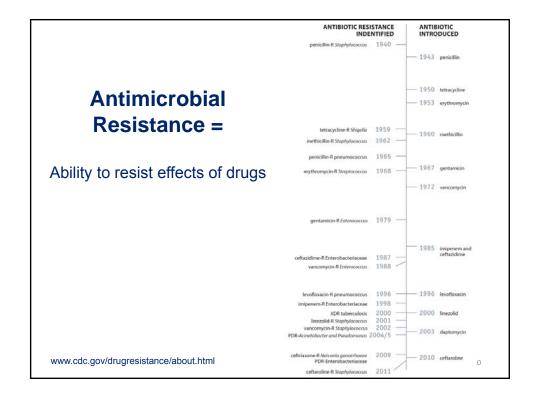
Bureau of Epidemiology and Public Health Informatics



### **Overview**

- Antimicrobial Resistance
- Antimicrobial Stewardship
- Available Guidance and Resources
- KDHE HAI/AR Program and Resources
- Summary





### Antimicrobial Resistance (AR)



- Resistance in organisms is on the rise
- · Causes of resistance:
  - Innate
  - Shared
  - Use of antimicrobials
- Can infect anyone



### **AR Continued**

- >50% of all hospital patients receive an antibiotic
- Up to 50% prescribed inappropriately





- Minimum estimates related to AR
  - 2,049,442 illnesses/yr
  - 23,000 deaths/yr

(CDC)



### **Other Effects of Overuse**

- Adverse drug events
- Clostridium difficile
- Costly treatment
- Depletion of effectiveness of available antimicrobials



### Antimicrobial Stewardship (AS)

- Appropriate use of antimicrobials to:
  - · Optimize outcomes for patients
  - · Reduce resistance
  - · Reduce other adverse effects
- Right drug, right dose, right frequency, right duration, right route
- Education



### **AS Programs (ASP)**

- **Programs within facilities that implement AS** interventions
- Team effort is key
- 7 Core Elements:
  - · Leadership commitment
  - Accountability
  - Drug expertise
  - Action
  - **Tracking**
  - Reporting
  - Education





Leadership commitment

- · Formal statements
- Support
- **Accountability** 
  - Program leader
  - Supporting members
- **Drug expertise** 
  - Pharmacy leader
  - Co-lead program

www.cdc.gov/antibiotic-use/healthcare/pdfs/core-elements.pdf

www.cdc.gov/antibiotic-use/healthcare/pdfs/core-elements-small-critical.pdf

### **CDC Core Elements**

- Action
  - Implement AS interventions
  - Broad, Pharmacy Driven, Infection and Syndrome Specific
- Tracking
  - · Monitor prescribing and use
  - · NHSN AUR module
- Reporting
  - · Share tracked data



### **CDC Core Elements**

- Education
  - Staff
  - Patients
  - Public
- Checklist
  - ASP assessment





### **ASP** in Hospitals



- Proven beneficial:
  - Improve patient outcomes
  - · Reduce antibiotic resistance
  - · Reduce C. difficile
  - Save money
- Recommended by many organizations
- CMS proposed requirement 2016



### Polling Question #2

Does your facility have an antibiotic stewardship program?

- ☐ Yes
- ☐ We expect to have one by the end of 2017
- Making plans
- ☐ Not on our radar

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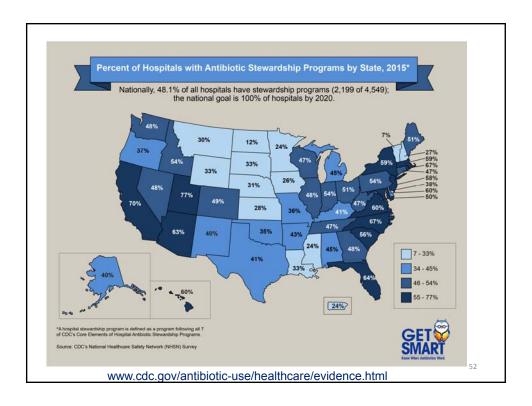
### Polling Question #3

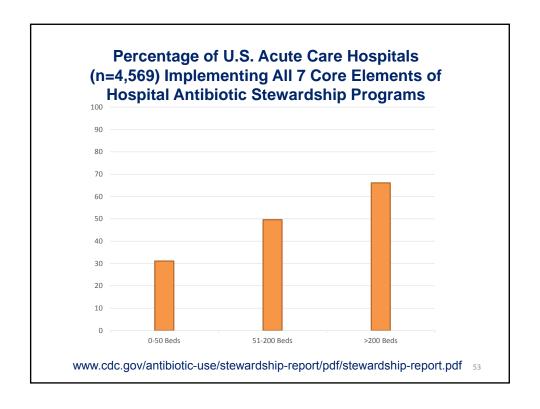
Our antibiotic stewardship program is:

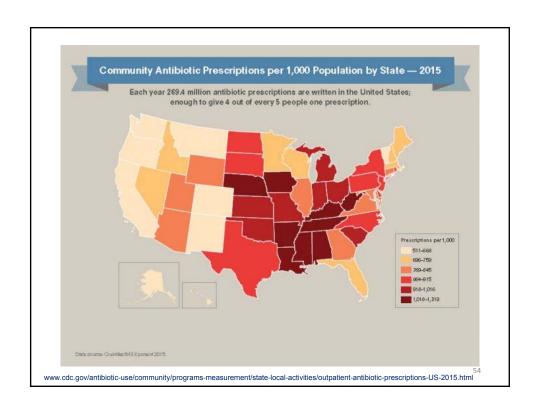
- ☐ Not on our radar
- ☐ Just getting started
- ☐ Gaining momentum
- ☐ Firing on all cylinders

If your ASP is encountering barriers, please type them into the chat. (No names!)

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### **AS Guidance**

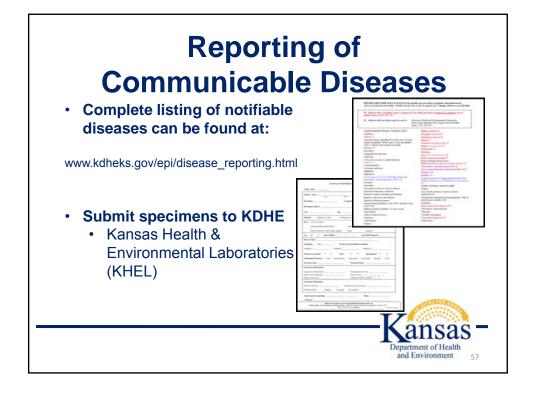
- National Quality Partners Playbook: Antibiotic Stewardship in Acute Care
- · CDC
  - Core Elements of Antibiotic Stewardship
  - GetSmart
  - Antibiotic Resistance Solutions Initiative
- Kansas Department of Health and Environment's (KDHE) Healthcare-Associated Infections and Antimicrobial Resistance (HAI/AR) Program

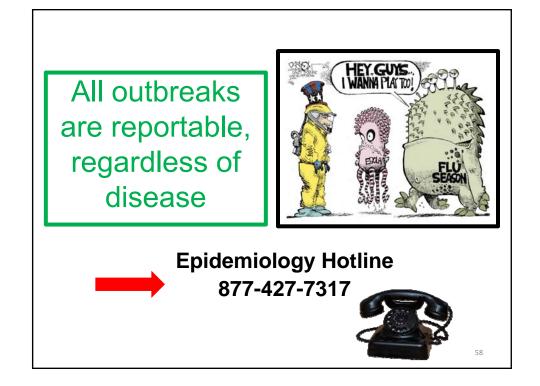




- KDHE established HAI 2009, added AR 2016
- Coordinate statewide HAI/AR prevention and surveillance efforts
- Foster key relationships between the healthcare provider community and state agencies
- Provide consultative services
- Provide education and resources







### **HAI/AR Advisory Group**

 Nurses, pharmacists, veterinarians, medical doctors, and epidemiologists



- Subcommittees:
  - Antimicrobial Stewardship Education
  - Communications
  - Infectious Disease Support
  - Pharmacy Antibiotic Stewardship Taskforce
- Education and resources to all types of providers and the general public



### **HAI/AR AS Resources**

- Critical Access Hospitals AS Program (ASP) Toolkit
- CRE materials
- Work with KHC to provide AS education
- APIC IP Training with KFMC
- Asymptomatic Bacteriuria Toolkit with KFMC
- More to come!





### National Antibiotic Awareness Week November 13-19, 2017

Please plan to join public health leaders during this week as we call attention to the issue of antibiotic resistance – one of the most important health threats of the 21st Century.

For more information and ideas, visit: <a href="https://www.cdc.gov/getsmart/week/activities-events.html">https://www.cdc.gov/getsmart/week/activities-events.html</a>



### **KDHE/KHC AS Webinar**

### "Antibiotic Stewardship Beyond Hospital Walls"

Jo Ann Harris, MD Pediatric Infectious Disease Specialist

Katie Burenheide Foster, PharmD, MS, BCPS, FCCM Pharmacy Clinical Manager & PGY1 Pharmacy Residency Director

> Thursday, November 16th, 2017 12:00 – 1:00pm CST 5:30 – 6:30pm CST



### **Summary**

- Antimicrobial resistance is a problem that effects everyone
- Antimicrobial stewardship is the solution
- Highly recommended to have ASP in your facility
- Many resources and guidance available
- KDHE HAI/AR Program is here to help



### **Contact Us**

- KDHE Reportable Disease Form www.kdheks.gov/epi/download/KANSAS\_NOTIFIABLE\_DISEASE\_FORM.pdf
- KDHE Epidemiology Email kdhe.EpiHotline@ks.gov
- KDHE Epidemiology Hotline 877-427-7317
- KDHE Epidemiology Fax 877-427-7318



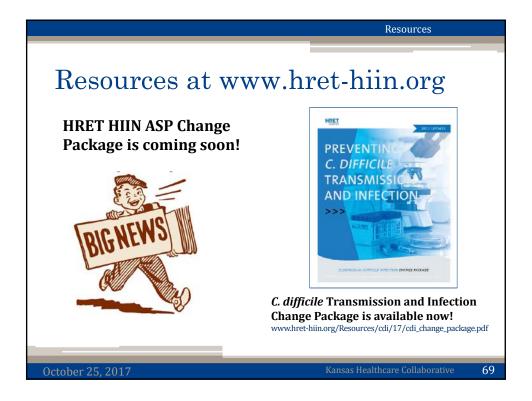
### **Questions**



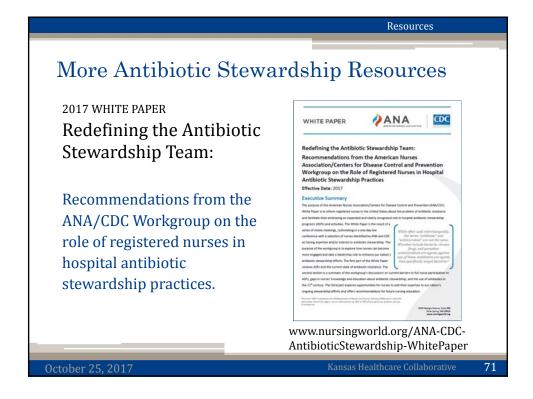


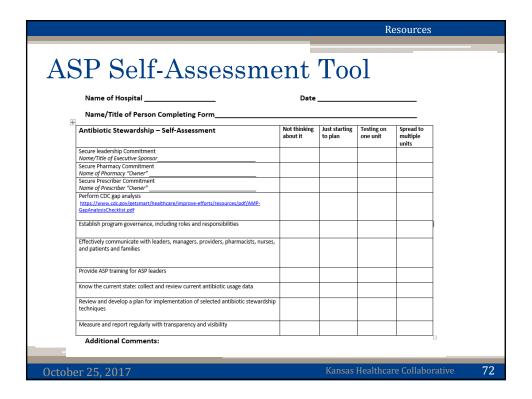


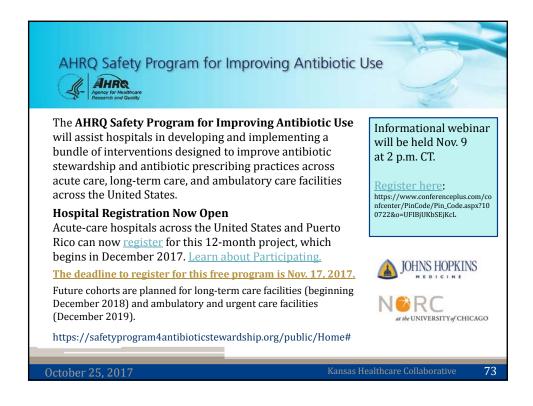
















### Hospital specific report to identify gaps in care using your readmission rates Stratification of the 30-day readmission rate we've been providing you (developed from CMS Claims data) By Age By Gender By Race Rural Zip Codes CMS Designated Socio Economic Status (SES) Zip Codes

Take the Pledge

**Readmission Disparities Report** 

Next Report coming early November to your Quality

Net account.



