

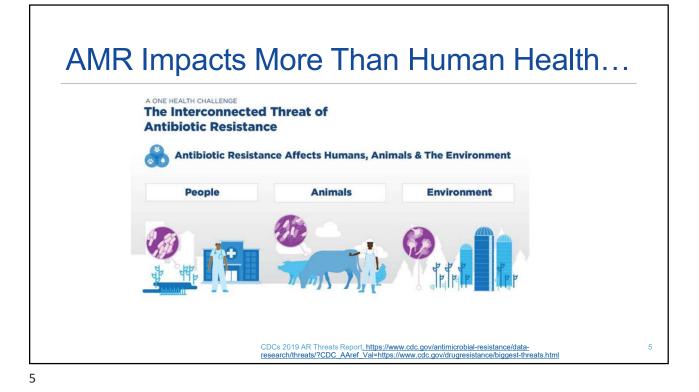
## What is Stewardship?

Antimicrobial stewardship is the effort to measure and improve how antibiotics are prescribed by clinicians and used by patients.

US Centers for Disease Control and Prevention. https://www.cdc.gov/antibiotic-use/core-elements/index.html#print

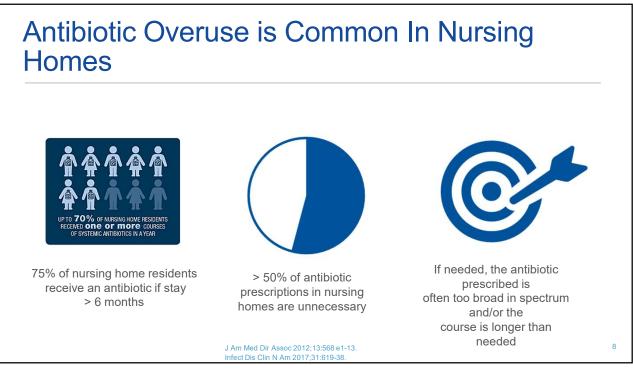


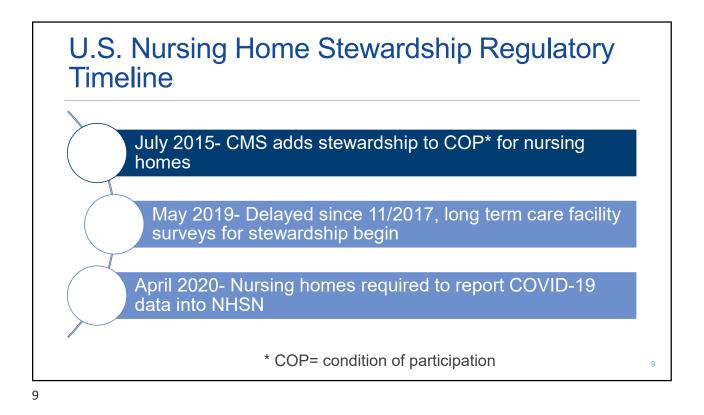












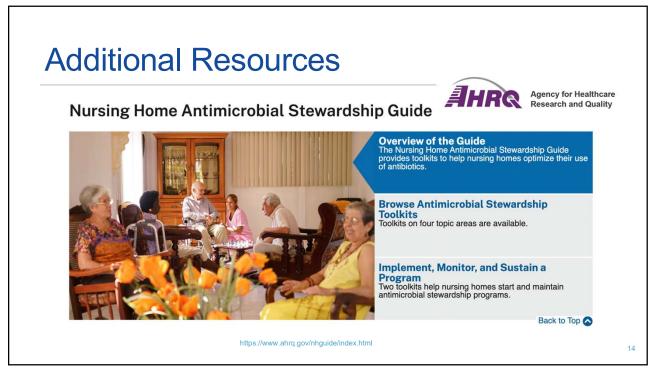
## **Conditions of Participation** This document is scheduled to be published in the Federal Register on 10/04/2016 and available online at https://federalregister.gov/d/2016-23503, and on FDsys.gov What exactly is required? DEPARTMENT OF HEALTH AND HUMAN SERVICES - have an ASP that includes antibiotic use Centers for Medicare & Medicaid Services protocols and a system to monitor antibiotic use 42 CFR Parts 405, 431, 447, 482, 483, 485, 488, and 489 [CMS-3260-F] - Needs to be included in the Infection Control program RIN 0938-AR61 Medicare and Medicaid Programs; Reform of Requirements for Long-Term Care Facilities AGENCY: Centers for Medicare & Medicaid Services (CMS), HHS. ACTION: Final rule. SUMMARY: This final rule will revise the requirements that Long-Term Care facilities must meet to participate in the Medicare and Medicaid programs. These changes are necessary to 10

## There are Many Resources Available

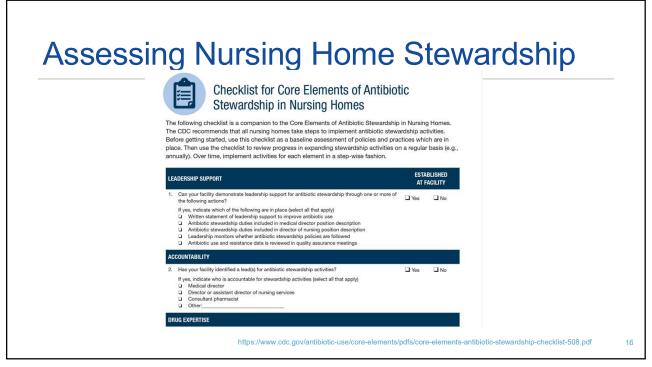


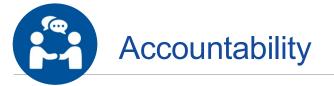












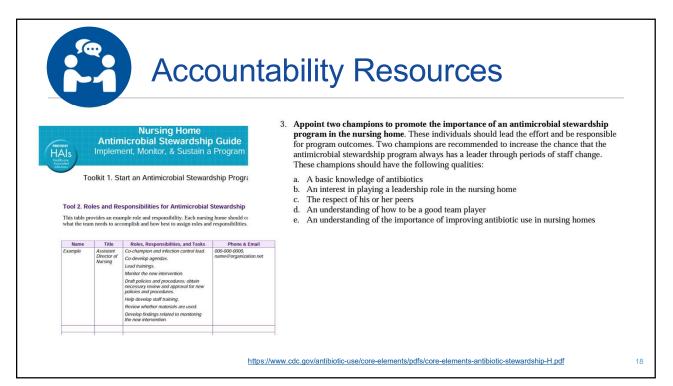
Identify physician, nursing and pharmacy leads responsible for promoting and overseeing antibiotic stewardship activities in your facility

Key points:

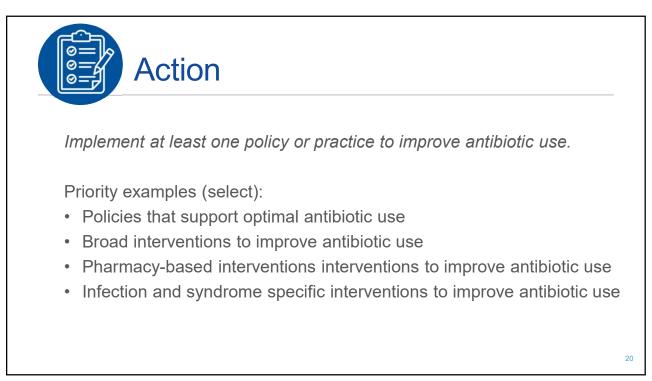
- · Empower the medical director
- Empower the director of nursing
- · Engage the consultant pharmacist
- Partner with infection prevention program coordinator, referral lab, department of health

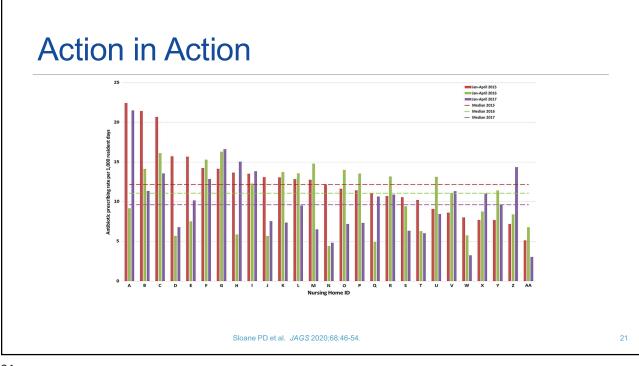
https://www.cdc.gov/antibiotic-use/core-elements/pdfs/core-elements-antibiotic-stewardship-H.pdf

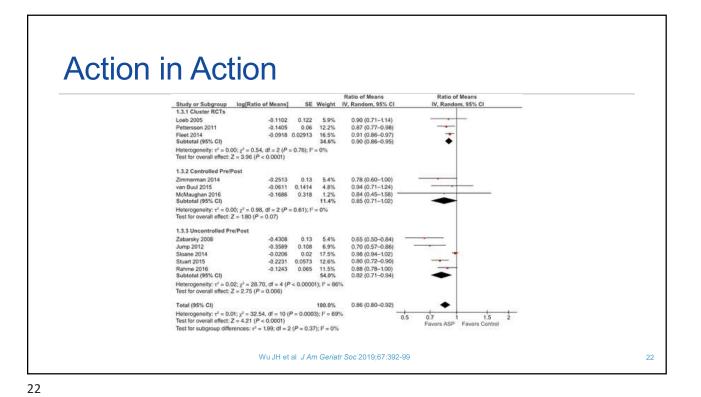


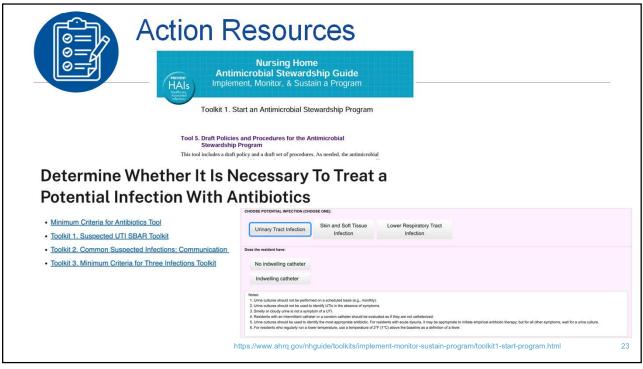




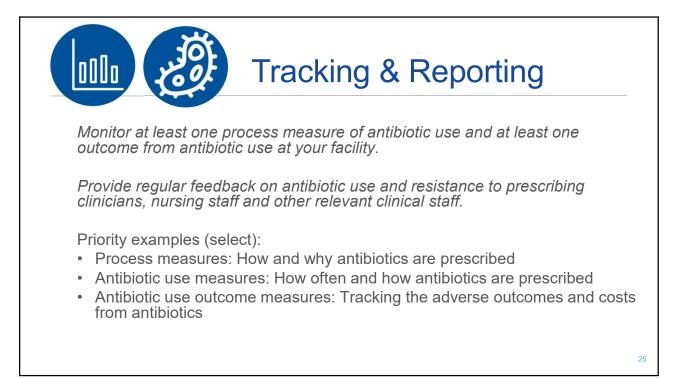


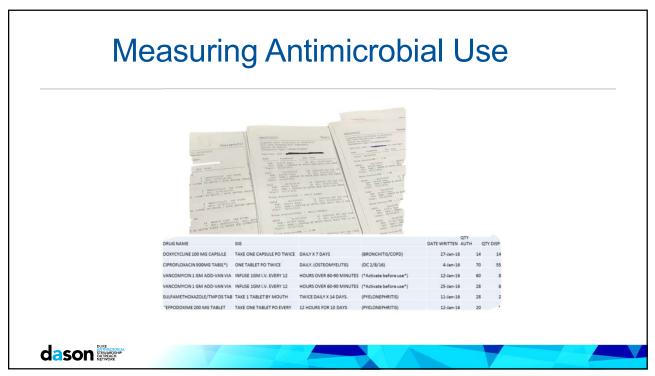


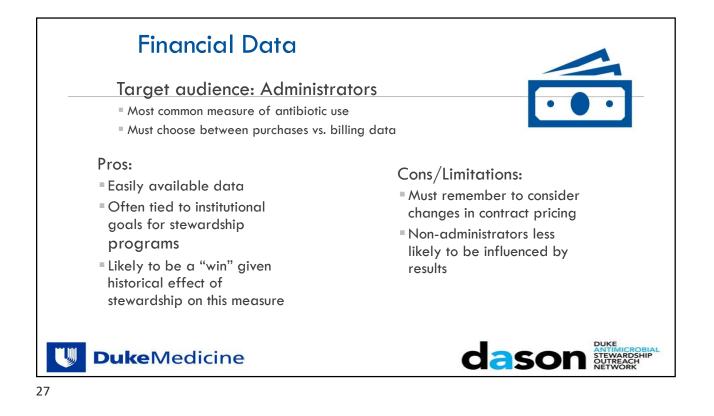


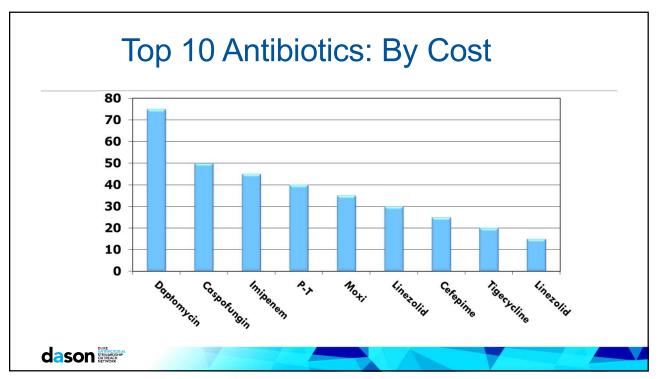


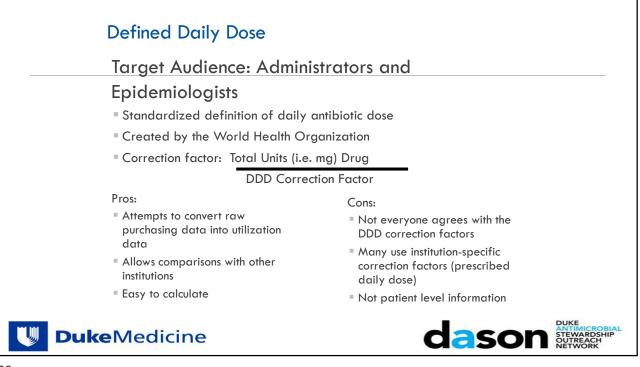




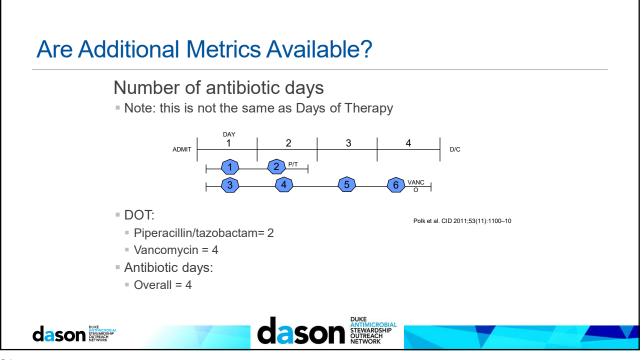






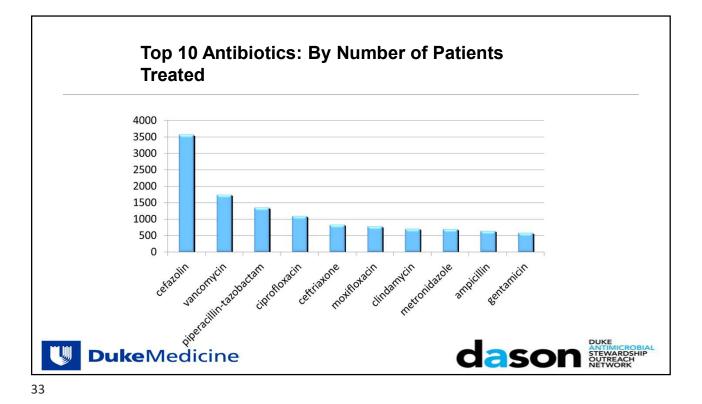


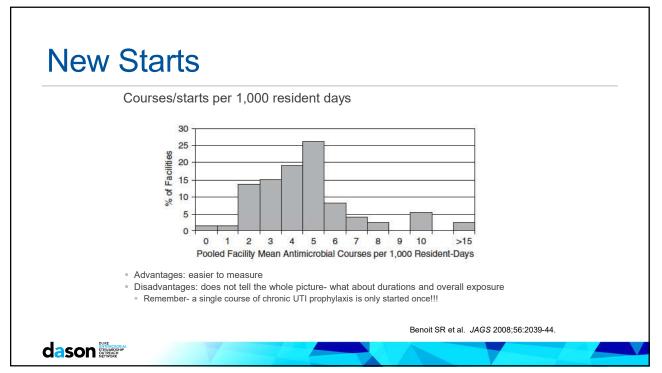


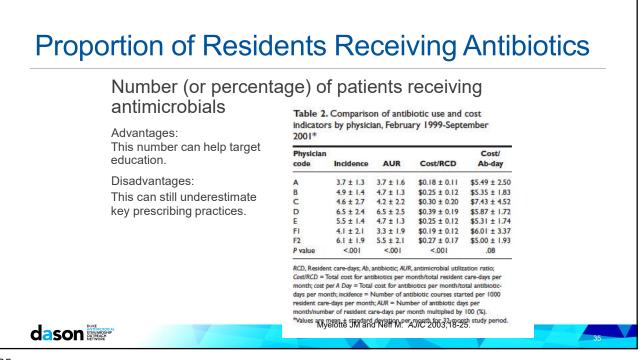


## Data Example

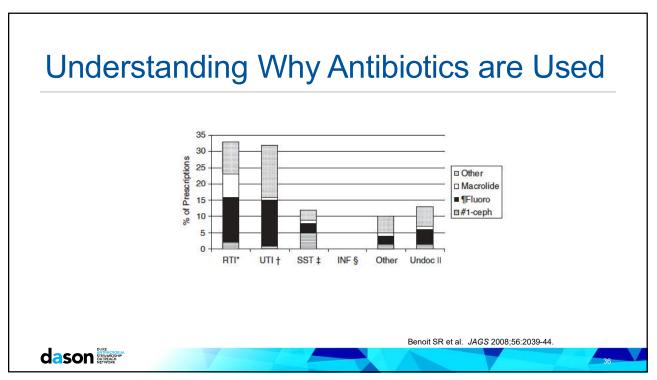
DRUG NAME	SIG			DATE WRITTEN AU	TH DI	
	TAKE ONE CAPSULE PO			Ditte mained no		
DOXYCYCLINE 100 MG CAPSULE	TWICE	DAILY X 7 DAYS	(BRONCHITIS/COPD)	27-Jan-16	14	1
CIPROFLOXACIN 500MG TABS(*)	ONE TABLET PO TWICE	DAILY. (OSTEOMYELITIS)	(DC 2/8/16)	4-Jan-16	70	ŧ
VANCOMYCIN 1 GM ADD-VAN VIA	INFUSE 1GM I.V. EVERY 12	HOURS OVER 60-90 MINUTES	5 (*Activate before use*)	12-Jan-16	60	
VANCOMYCIN 1 GM ADD-VAN VIA	INFUSE 1GM I.V. EVERY 12	HOURS OVER 60-90 MINUTES	S (*Activate before use*)	25-Jan-16	28	
SULFAMETHOXAZOLE/TMP DS						
TAB	TAKE 1 TABLET BY MOUTH	TWICE DAILY X 14 DAYS.	(PYELONEPHRITIS)	11-Jan-16	28	
CEFPODOXIME 200 MG TABLET	TAKE ONE TABLET PO EVER	12 HOURS FOR 10 DATS	(PYELONEPHRITIS)	12-Jan-16	20	
	Calculations					
	Doxycycline:					
		1001				
	, ,					
		1: 55/2= 27 5- 2	8 DOT			
	Ciprofloxacir	n: 55/2= 27.5- 2	8 DOT			
	Ciprofloxacir		8 DOT			
			8 DOT			
	Ciprofloxacir Vancomycin				QTY	DO
DRUG NAME	Ciprofloxacir Vancomycin:			QTY DATE WRITTEN AUTH	QTY DISP	DO
DRUG NAME DOXYCYCLINE 100 MG CAPSULE	Ciprofloxacir Vancomycin: sig take one capsule po	8/2= 4 DOT		DATE WRITTEN AUTH	DISP	D0 14
	Ciprofloxacir Vancomycin: sig Take one capsule po Twice	8/2= 4 DOT		DATE WRITTEN AUTH 27-Jan-16	DISP	
DOXYCYCLINE 100 MG CAPSULE CIPROFLOXACIN 500MG TABS(*)	Ciprofloxacir Vancomycin: SIG TAKE ONE CAPSULE PO TWICE ONE TABLET PO TWICE	8/2= 4 DOT DAILY X 7 DAYS (E DAILY. (OSTEOMYELITIS) (C HOURS OVER 60-90	BRONCHITIS/COPD) DC 2/8/16)	DATE WRITTEN AUTH 27-Jan-16 4-Jan-16	DISP 14 70	14 55 2
DOXYCYCLINE 100 MG CAPSULE	Ciprofloxacir Vancomycin: SIG TAKE ONE CAPSULE PO TWICE ONE TABLET PO TWICE	8/2= 4 DOT	BRONCHITIS/COPD)	DATE WRITTEN AUTH 27-Jan-16 4-Jan-16	DISP	14
DOXYCYCLINE 100 MG CAPSULE CIPROFLOXACIN 500MG TABS(*) VANCOMYCIN 1 GM ADD-VAN VIA	Ciprofloxacir Vancomycin: SIG TAKE ONE CAPSULE PO TWICE ONE TABLET PO TWICE INFUSE 1GM I.V. EVERY 12	8/2= 4 DOT	SRONCHITIS/COPD) DC 2/8/16) Activate before use*)	DATE WRITTEN AUTH 27-Jan-16 4-Jan-16 12-Jan-16	DISP 14 70 60	14 55 2
DOXYCYCLINE 100 MG CAPSULE CIPROFLOXACIN 500MG TABS(*) VANCOMYCIN 1 GM ADD-VAN VIA VANCOMYCIN 1 GM ADD-VAN VIA	Ciprofloxacir Vancomycin: SIG TAKE ONE CAPSULE PO TWICE ONE TABLET PO TWICE INFUSE 1GM I.V. EVERY 12	8/2= 4 DOT	BRONCHITIS/COPD) DC 2/8/16)	DATE WRITTEN AUTH 27-Jan-16 4-Jan-16 12-Jan-16	DISP 14 70	14 55 2
DOXYCYCLINE 100 MG CAPSULE CIPROFLOXACIN 500MG TABS(*) VANCOMYCIN 1 GM ADD-VAN VIA	Ciprofloxacir Vancomycin: SIG TAKE ONE CAPSULE PO TWICE ONE TABLET PO TWICE INFUSE 1GM I.V. EVERY 12	8/2= 4 DOT	SRONCHITIS/COPD) DC 2/8/16) Activate before use*)	DATE WRITTEN AUTH 27-Jan-16 4-Jan-16 12-Jan-16 25-Jan-16	DISP 14 70 60	14 55 2

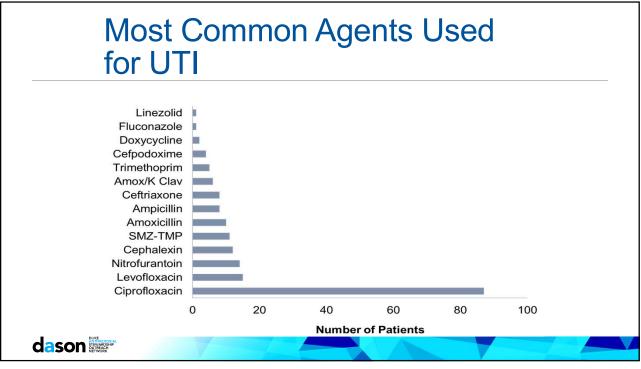


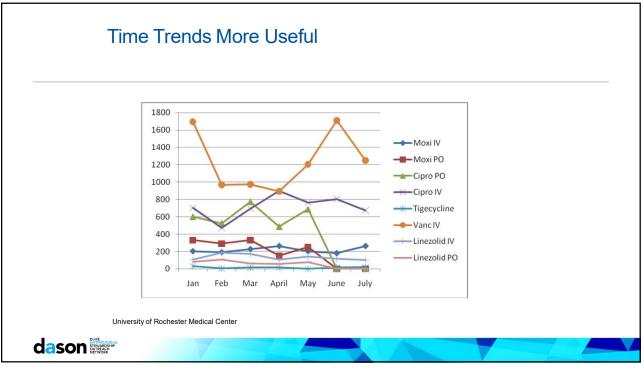


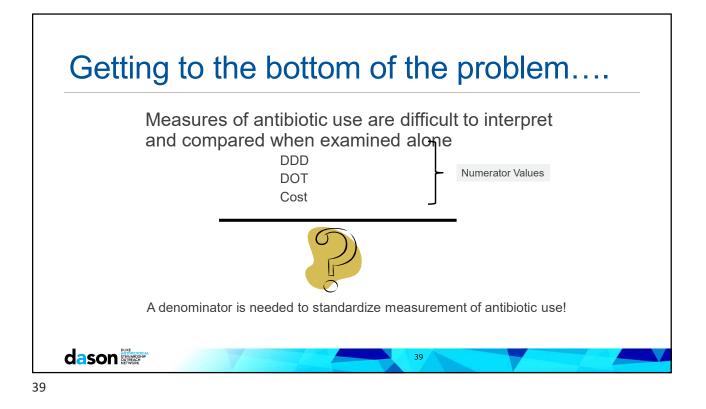


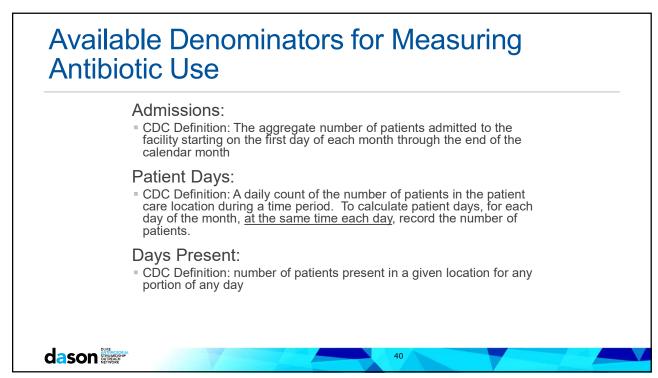


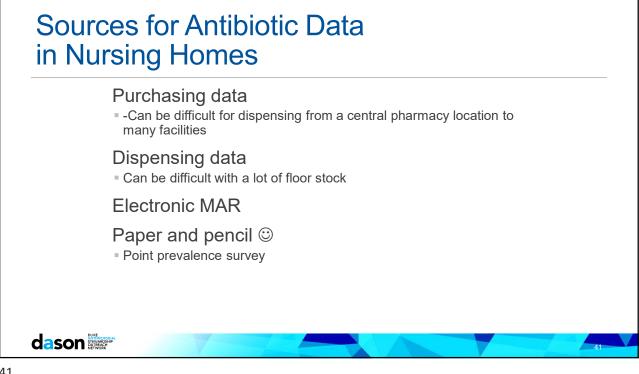






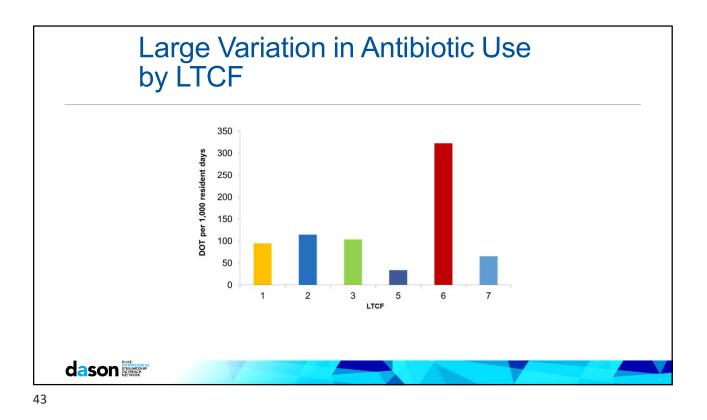


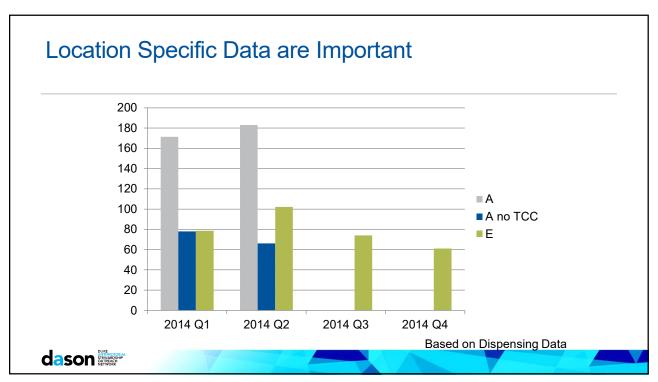


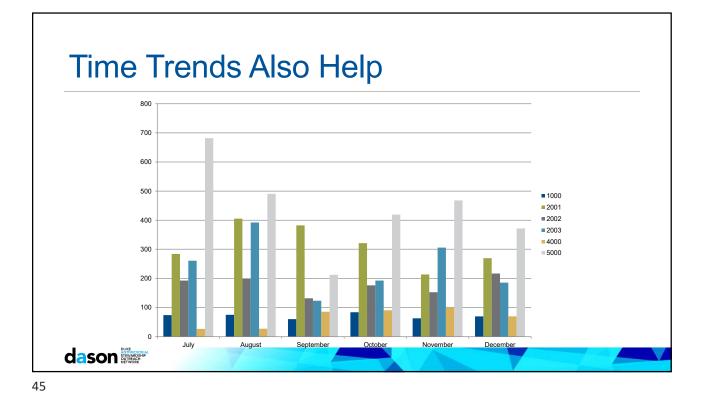




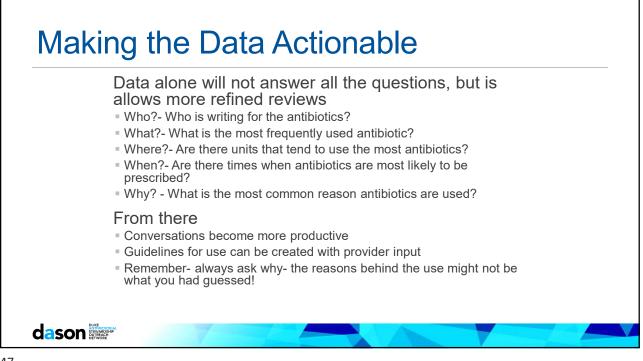








Do we know our target? Less is better: Table 3. Antibiotic-Related Adverse Outcomes Among Residents Living in Nursing Homes With Low, Medium, and High Antibiotic Use\* Antibiotic Use, No. (%) Low (n = 33 822) Medium High (n = 24 943) Characteristic (n = 31 425) Clostridium difficile 274 (0.8) 268 (0.9) 221 (0.9) Diarrhea or gastroenteritis 3347 (9.9) 3388 (10.8) 2889 (11.6) Infection with antibiotic-resistant organism 412 (1.2) 431 (1.4) 319 (1.3) Antibiotic allergy 13 (0.0) 25 (0.1) 22 (0.1) 96 (0.3) 124 (0.4) 88 (0.4) General adverse event from medication Any antibiotic complication with or without potential for indirect harms to nonrecipients (primary composite outcome<sup>b</sup>) 3869 (11.4) 3890 (12.4) 3311 (13.3) 3797 (11.2) 3801 (12.1) 3237 (13.0) Only antibiotic complications with potential for indirect harms to nonrecipients (secondary composite outcome<sup>c</sup>) Daneman N et al. JAMA Internal Medicine 2015;175:1331-9. dason Duke STEWARDSHIP OUTREACH NETWORK 46







Track Reso	ting & Reporting ources Rochester Nursing Home Collaborative
TRACKING ANTIBIOTIC USE EXCEL TRACKING WORKSHEETS AND INSTRUCTIONS: Monthly Antibiotic Tracking Worksheet (NEW)	
Summary Antibiotic Tracking Worksheet (NEW - Use with monthly tracking sheet)	Antibiotic Statistical Trending Report         Facility Name         Unit?see-           worthname
Antibiotic Tracking Sheets Instructions (NEW)	NexA322ads for Bunch NexA322ad
NYSDOH UTI Tracking Worksheet	Die NOT Wert Facility-Adopted Cateria Not Rie-Assessed within 47:22 toers of Facility-Batt
NYSDOH UTI Tracking Worksheet Instructions for Use	chesterpatientsafety.com/index.cfm?Page=For%20Nursing%20Homes 49



