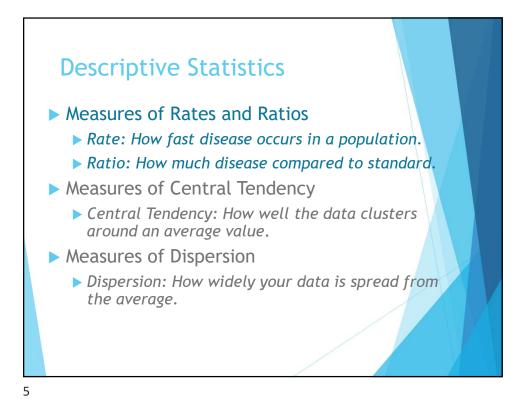
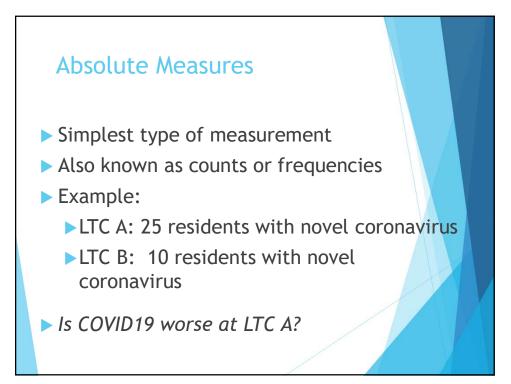
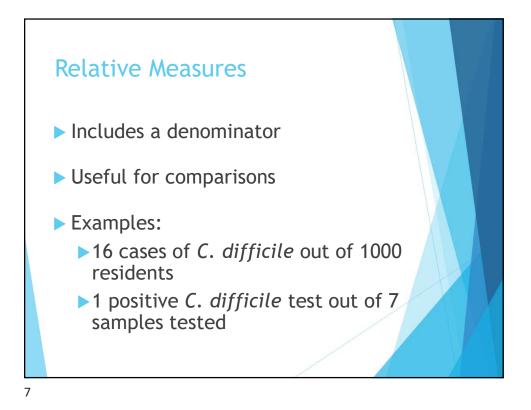
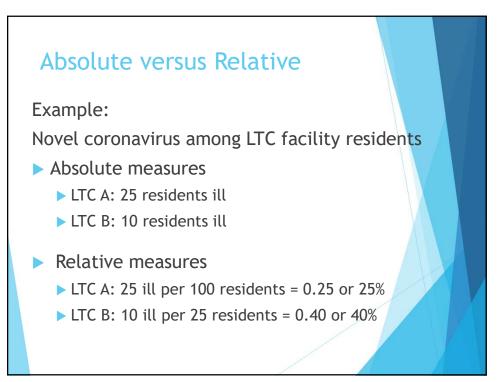


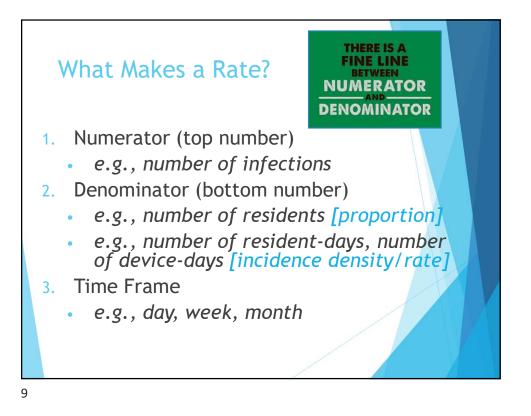
<section-header>Describe Surveillance
DataDefine these terms: rates,
prevalence, incidence,
men, median, mode,
standard deviationImage: Display and Interpret
Surveillance DataCompare bar graphs, line
graphs, pie charts and
tablesImage: Determine the
Significance of Changes
to Surveillance DataDescribe benchmarks
(internal vs. external),
create control charts,
define p-values and 95% ct

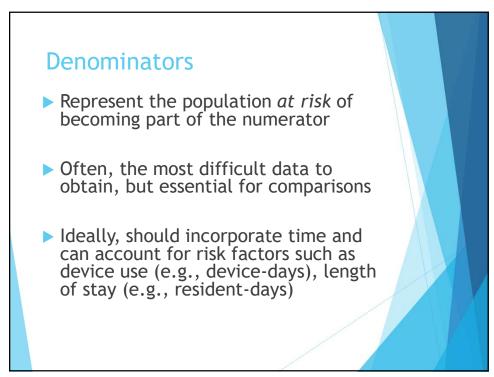


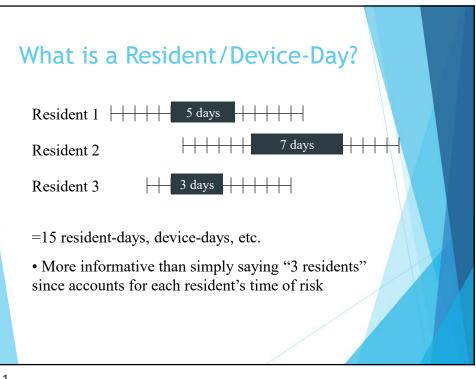


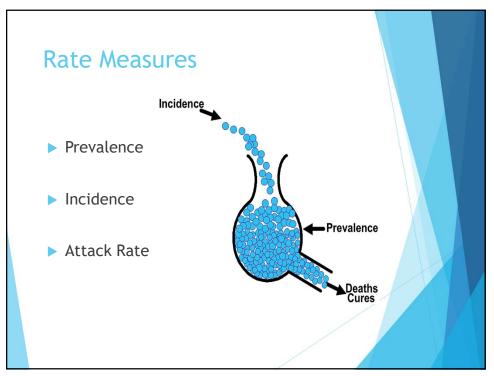


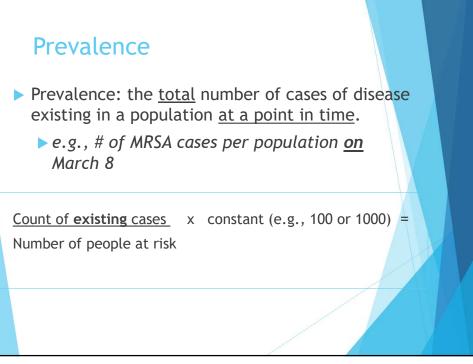


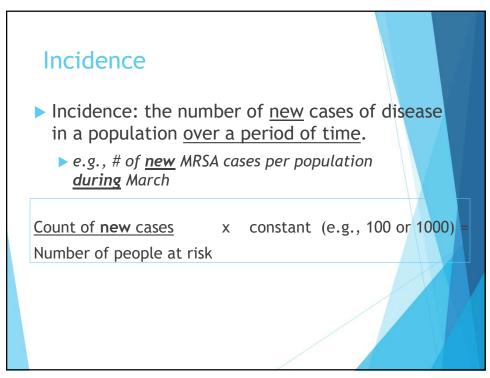


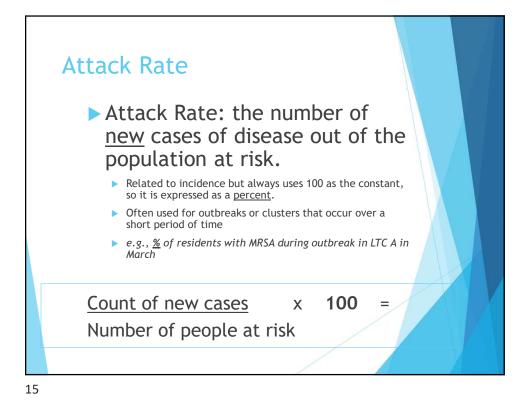


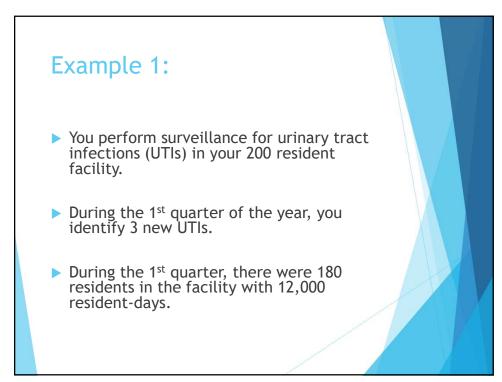


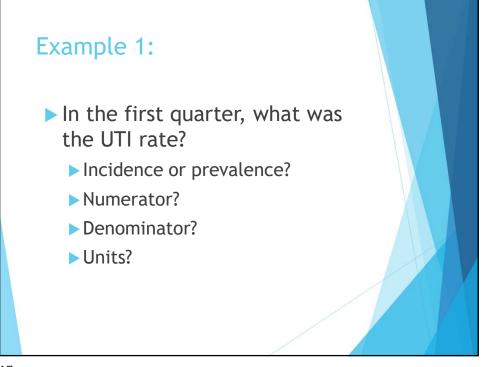


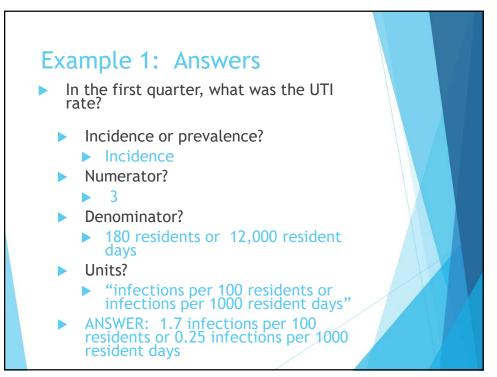


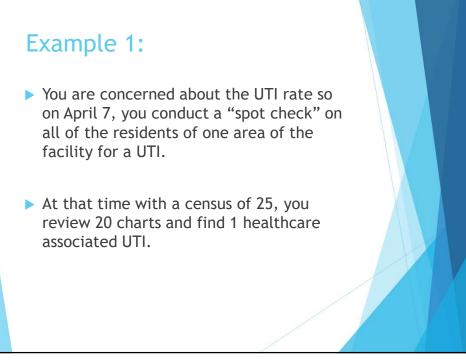


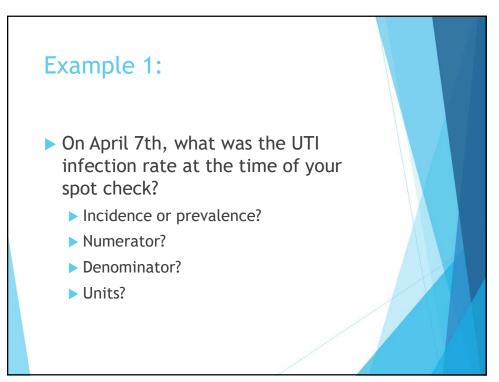


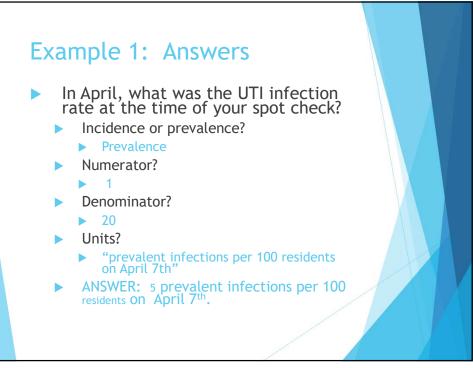


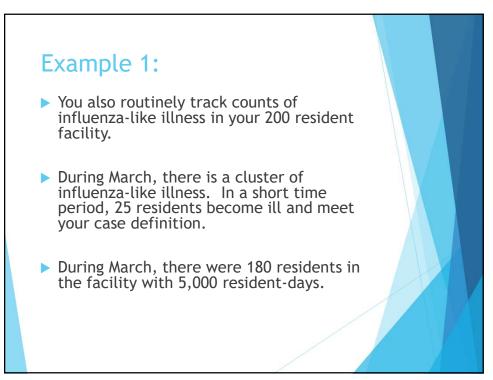


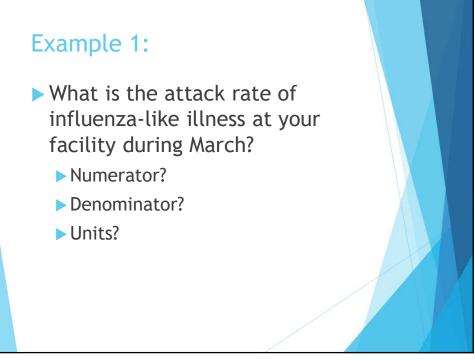


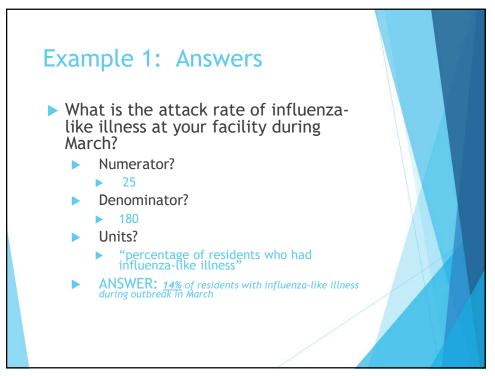


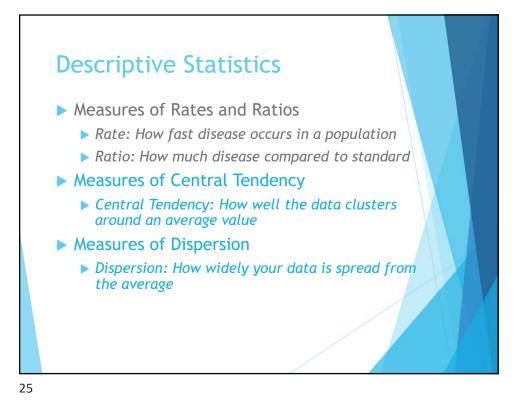


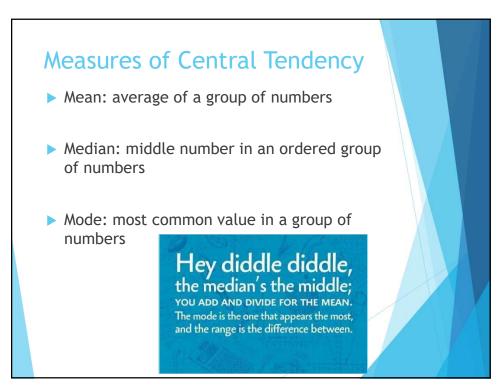


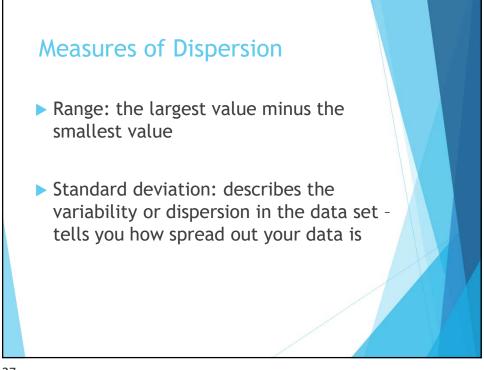


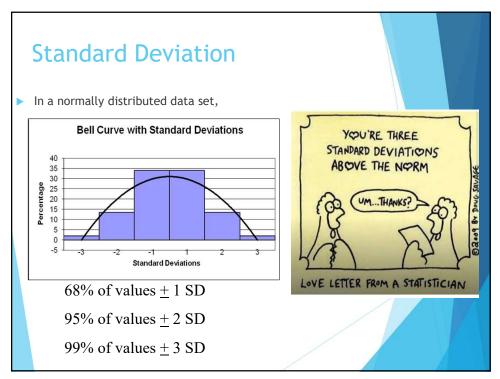


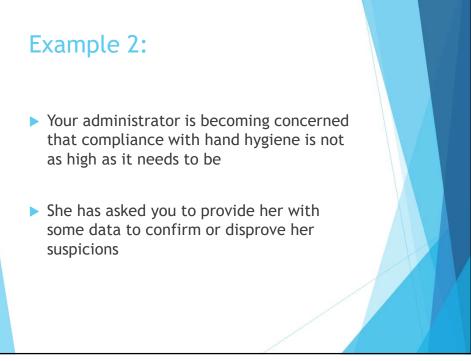


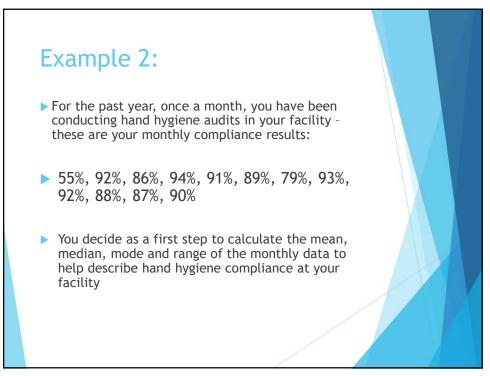


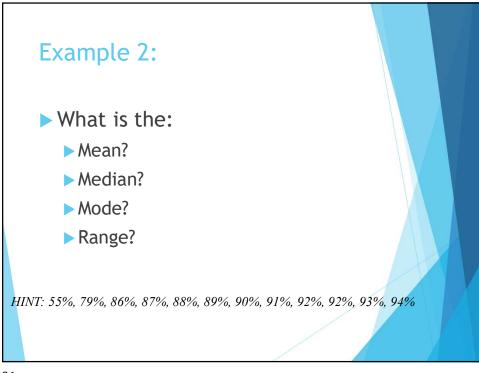


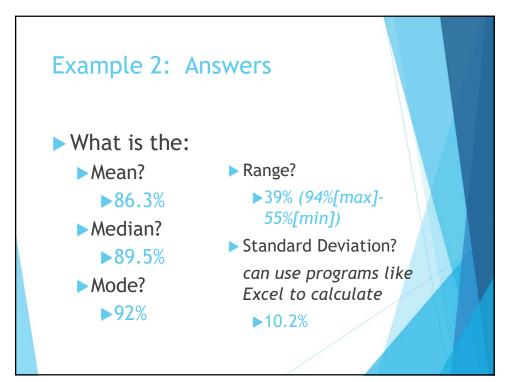


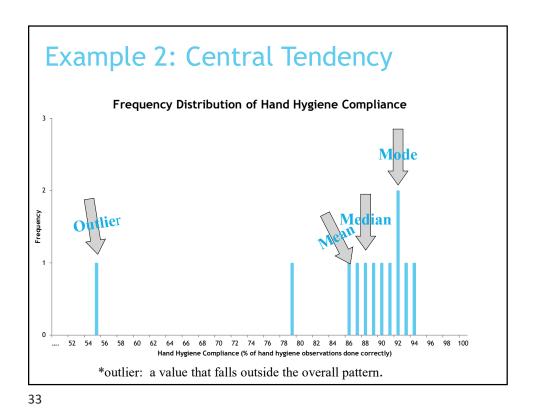


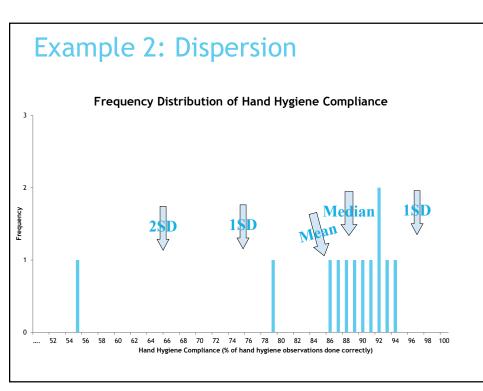


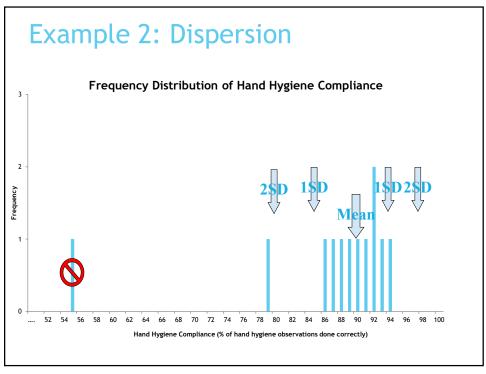


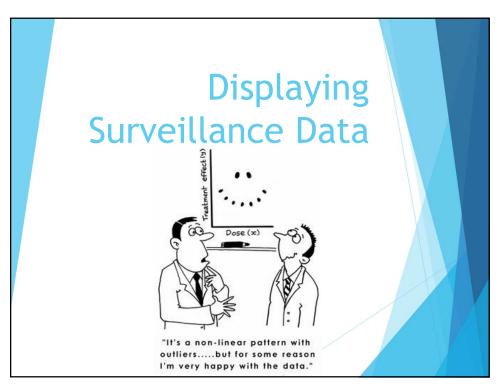


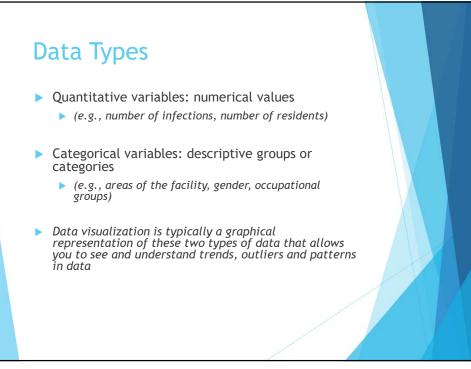


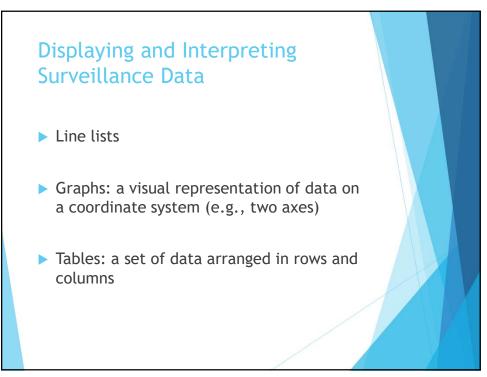








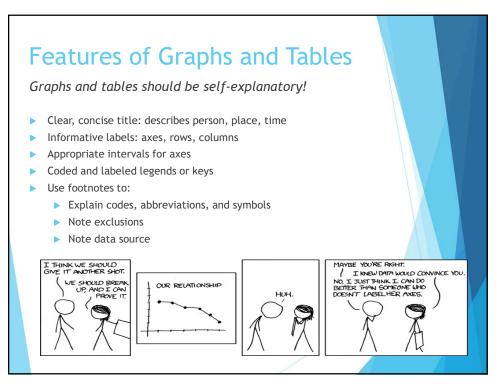


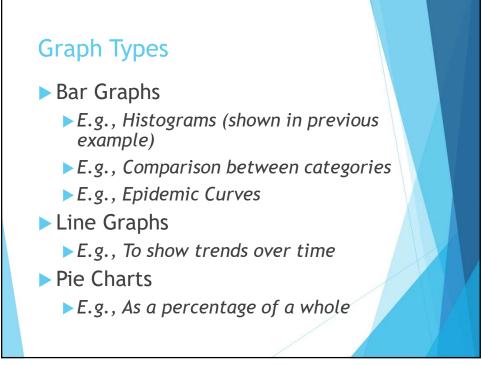


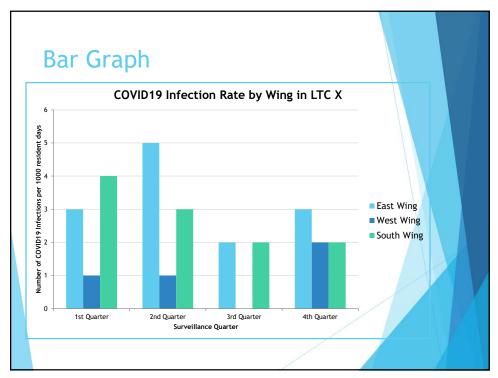
Line Lists

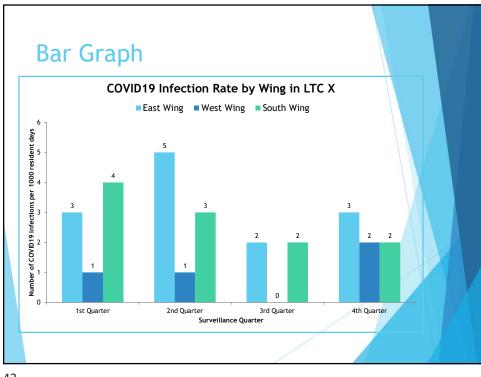
- Allow for record-level review of data
- Helpful way to standardize the data you want to routinely collect
- Helpful in pinpointing issues in data quality
- Can help inform rates or other summarized measures
- Can help identify trends

Pt #	Name	Room #	Source	Organism	Cultur	Antibiotic	Date
3685632		EW	Ucc U~Mnd	Prot mir	e date 3-14	Antibiotic	Date
3005032	1				3-14		
		EW 322	Ucc U+M+	Prot mir			
0532210		EW 316	cellulitis			cephalexin	3.9
		EW 356	Ucc – outside doc			cephalexin	3-2
		EW 324	UCC.			cephalexin	3-30
		EW 346	pneum			amex	3-10
		EW 308	UCC	ecoli			
7802490		JW 234	Ucc U~Mnd	Kleb pn. psea	3-6		-
		JW 202	wound	stau			
		PW	eyes	-	-	tobra	3-2
3887077		PW	Ucc U~M+	ecoli	3-2		-
		PW 122	Cellulitis foot		-	clinda	3-12
2475260		PW	Ucc U+Mnd	Ecoli, ent	3-12		1
4417105		PW	Ucc U-Mnd	steno	3-22		1
2259700		PW	wound	Prot mir	3-5	Ssi reported	to FX
7809247		PW	Ucc U+M+	ecoli	3-30		

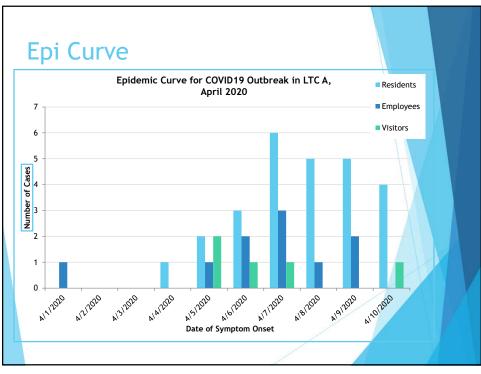


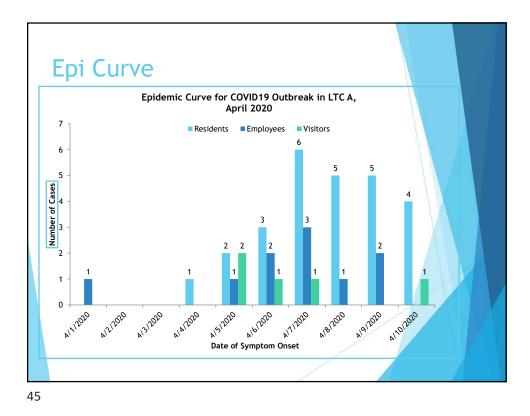


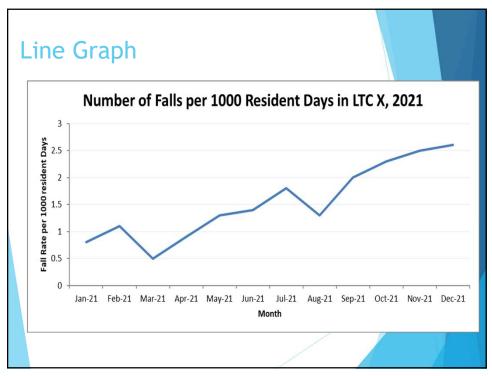


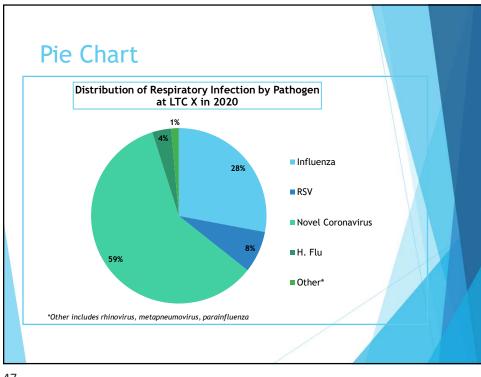




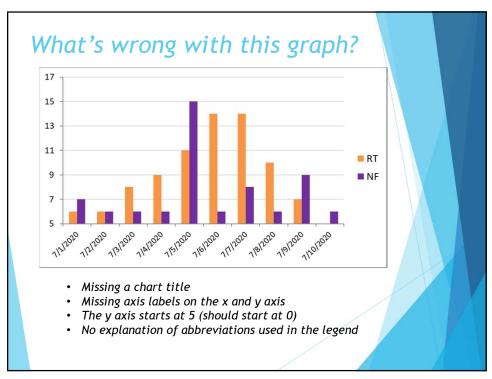


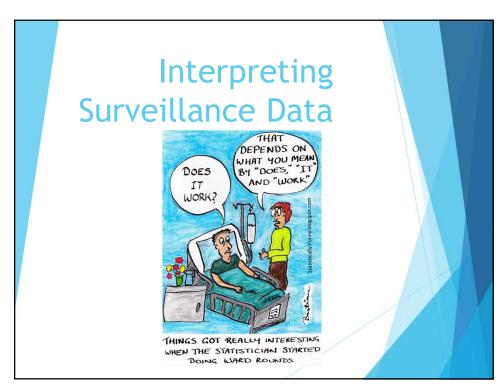






Number	• of UTIs		
by Age Group	by Age Group, LTC X, 2021		
Age Group (Years)	Number of Cases		
<50	0		
51-60	2		
61-70	7		
71-80	6		
81-90	3		
>90	1		
Total	19		



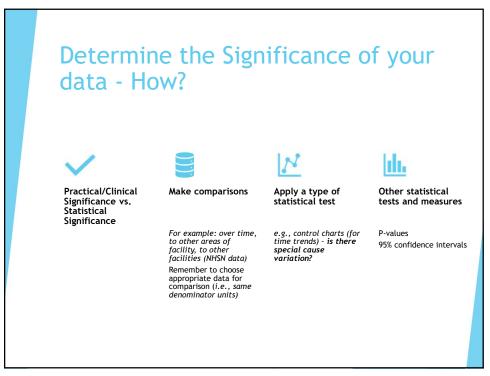


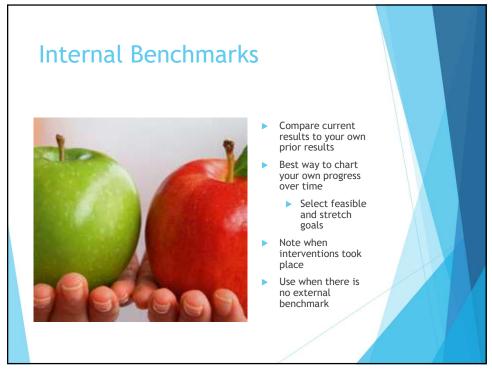


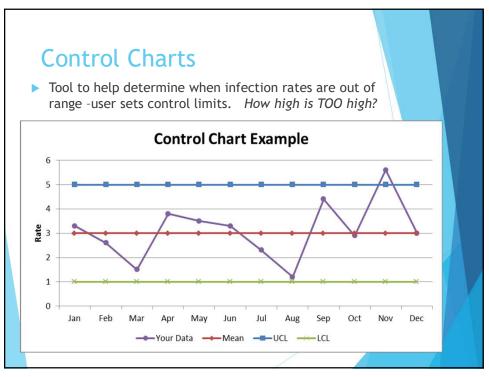
- Provide feedback to internal stakeholders
- Analyzing data can help you identify areas that need improvement
- Reports can help inform prioritization and success of prevention activities
- Ultimately, these are YOUR data you should know your data better than anyone else







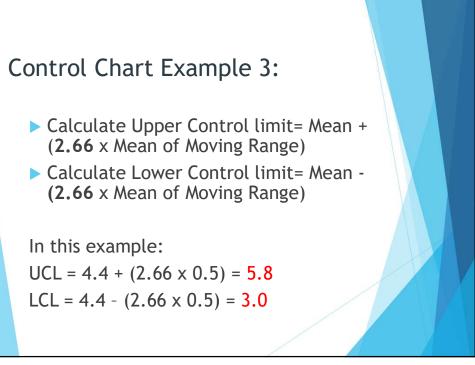


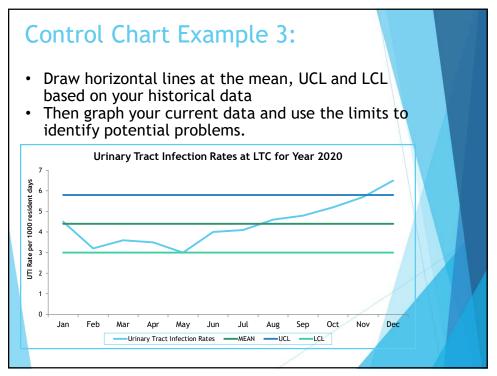


Control Chart Example 3:

MONTH	2020 UTI Rate	Moving Range	1.	Find the mean of the UTI rates for
JAN	4.5			the last year
FEB	3.2	1.3	2.	Calculate the
MAR	3.6	0.4	۷.	moving ranges
APR	3.5			(subtract month 1
MAY	3.0			from 2, month 2
JUNE	4.0			from 3) and take absolute values (no
JULY	4.1			negative values)
AUG	4.6		2	Calculate the mean
SEPT	4.8		3.	of the moving
ОСТ	5.2			ranges
NOV	5.7			
DEC	6.5			

Control Chart Example 3 Answers						
MONTH	2020 UTI Rate	Moving Range	Find the mean of the			
			► Find the mean of the			
JAN	4.5		UTI rates.			
FEB	3.2	1.3	=4.4			
MAR	3.6	0.4				
APR	3.5	0.1	Calculate the moving			
MAY	3.0	0.5	ranges			
JUNE	4.0	1.0	See table			
JULY	4.1	0.1	Calculate the mean of			
AUG	4.6	0.5	the moving ranges.			
SEPT	4.8	0.2				
ОСТ	5.2	0.4	=0.5			
NOV	5.7	0.5				
DEC	6.5	0.8				







Consider your calculated infection rate to be an estimation of the true rate.

Why an estimation?

- You may only do surveillance on a <u>sample</u> of residents in your facility.
- If surveillance activities were repeated by other ICPs, your numerators may <u>vary slightly</u> based on interpretation of case definitions, available clinical information in the chart, etc.

