



# 2011-2017 Profile of Vancomycin Resistance in *Staphylococcus aureus* in Dallas County

## Dallas County Health and Human Services

### Summary of Vancomycin-Intermediate *Staphylococcus aureus* Cases, 2011-2017

	n (%)	Incidence per 100,000
<b>Total</b>	14 (100.0)	0.08
<b>Sex</b>		
Male	9 (64.3)	0.10
Female	5 (35.7)	0.06
<b>Race/Ethnicity</b>		
Hispanic	3 (21.4)	0.04
White	5 (35.7)	0.09
Black	5 (35.7)	0.13
Asian	0	N/A
American Indian	1 (7.1)	1.62
<b>Age Group (years)</b>		
<60	3 (21.4)	0.02
≥60	11 (78.6)	0.44
<b>Hospitalizations</b>	10 (71.4)	0.06

N/A = Not applicable

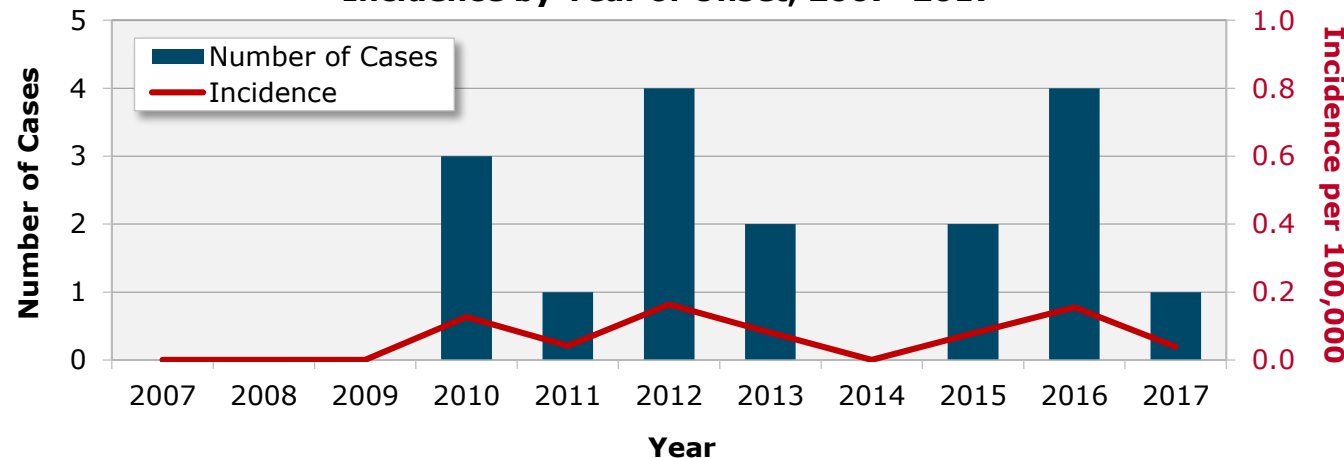
### Vancomycin-Intermediate/Vancomycin-Resistant *Staphylococcus aureus* (VISA/VRSA) Case Definitions\*

A laboratory confirmed *Staphylococcus aureus* isolate obtained from any body site/source that is found to be intermediate or resistant based on the CLSI standards and recommendations and confirmed by the Texas Department of State Health Services' Laboratory:

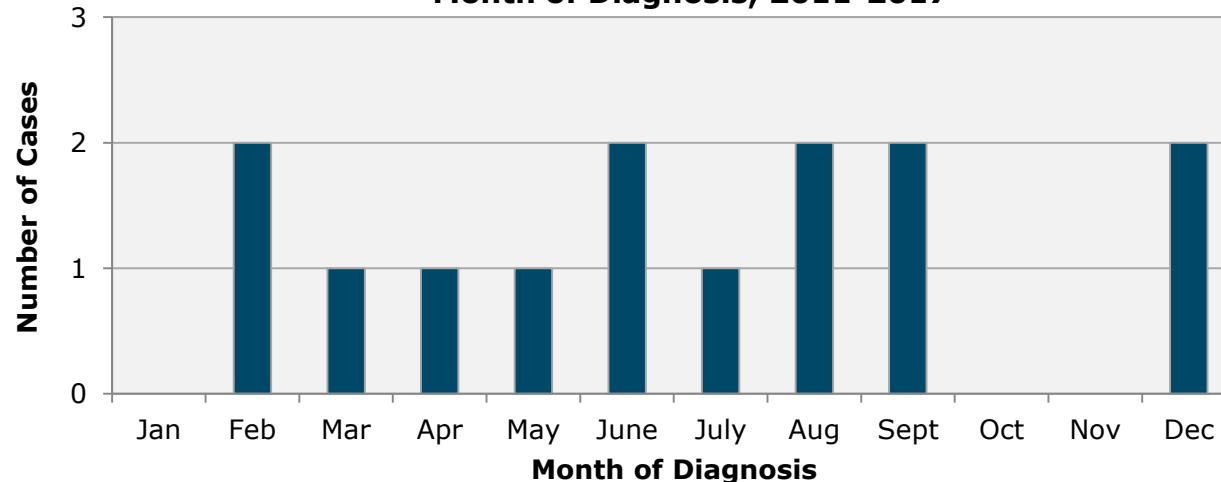
VISA: MIC = 4-8 µg/mL

VRSA: MIC ≥ 16 µg/mL

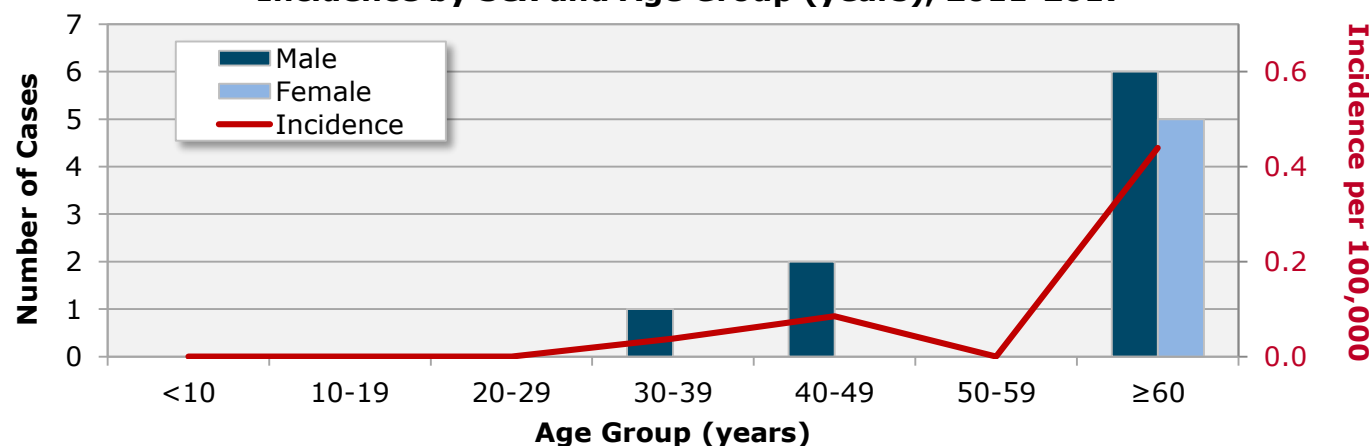
### Vancomycin-Intermediate *Staphylococcus aureus* Cases and Incidence by Year of Onset, 2007-2017



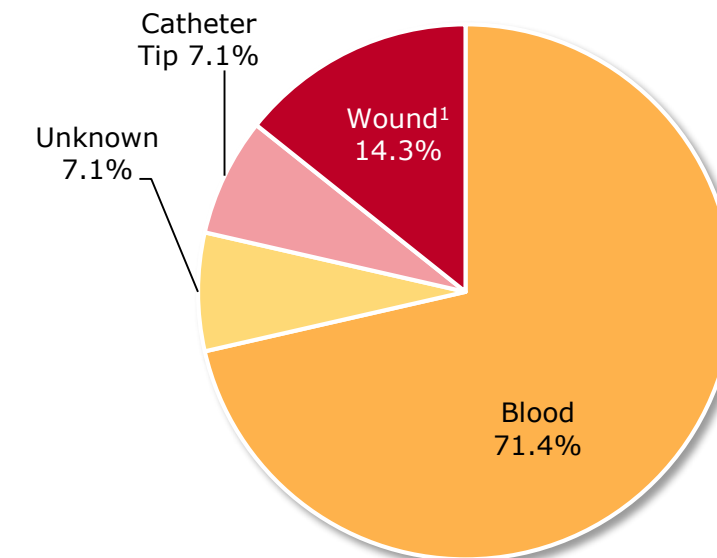
### Vancomycin-Intermediate *Staphylococcus aureus* Cases by Month of Diagnosis, 2011-2017



### Vancomycin-Intermediate *Staphylococcus aureus* Cases and Incidence by Sex and Age Group (years), 2011-2017



### Vancomycin-Intermediate *S. aureus* Cases by Specimen Source, 2011-2017, (n=14)



<sup>1</sup>Wound includes: tissue, bone, abscess, or drainage.

### Summary

- Vancomycin-Intermediate and Vancomycin-Resistant *Staphylococcus aureus* (VISA and VRSA, respectively) were added to the list of Texas Notifiable Conditions in 2007.
- The case of VISA reported to Dallas County in 2017 was isolated from blood.
- There has been no increasing trend of VISA since reporting began.
- There were no cases of VRSA reported to Dallas County from 2010-2017.

\*CDC National Notifiable Disease Surveillance System

Note: Incidence calculated using projected population data for 2016

Data Sources: Dallas County Department of Health and Human Services, Epidemiology Division; National Electronic Disease Surveillance System (NEDSS); Population data obtained through the Centers for Disease Control and Prevention: WONDER Bridged-Race Population Estimates 1990-2016.