



# 2010-2015 Profile of Vancomycin Resistance in *Staphylococcus aureus* in Dallas County

## Dallas County Health and Human Services

### Summary of *Staphylococcus aureus* Cases with Intermediate Resistance to Vancomycin, 2010-2015

	n (%)	Incidence per 100,000
<b>Total</b>	12 (100.0)	0.08
<b>Sex</b>		
Male	7 (58.3)	0.10
Female	5 (41.7)	0.07
<b>Race/Ethnicity</b>		
Hispanic	2 (16.7)	0.03
White	4 (33.3)	0.08
Black	5 (41.7)	0.15
Asian	0	N/A
American Indian	1 (8.3)	1.9
<b>Age Group (years)</b>		
<60	1 (8.3)	0.06
≥60	11 (91.7)	0.54
<b>Hospitalizations</b>	7 (58.3)	0.05

N/A = Not applicable

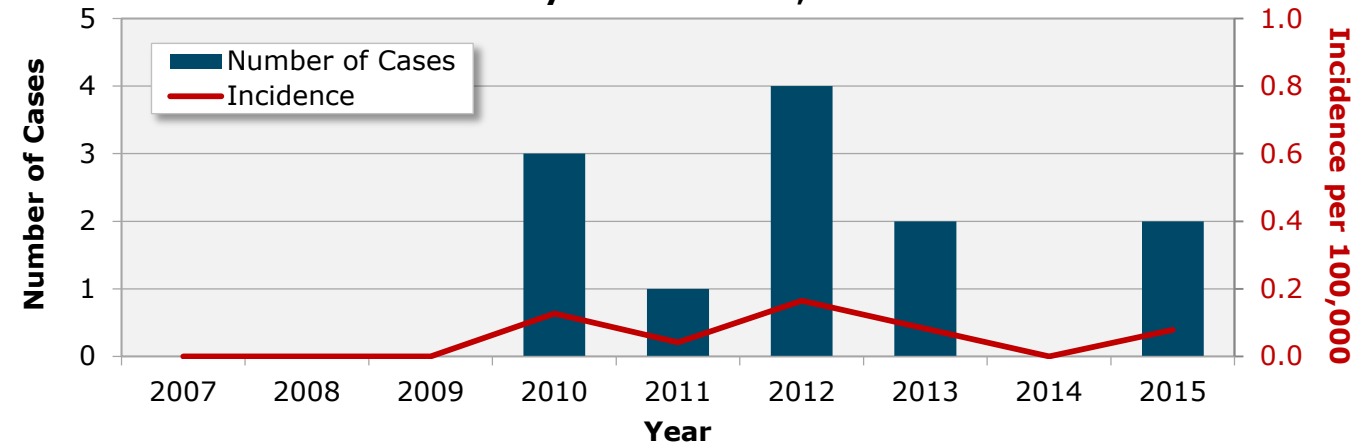
### Vancomycin-Intermediate/Vancomycin-Resistant *Staphylococcus aureus* (VISA/VRSA) Case Definitions\*

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:

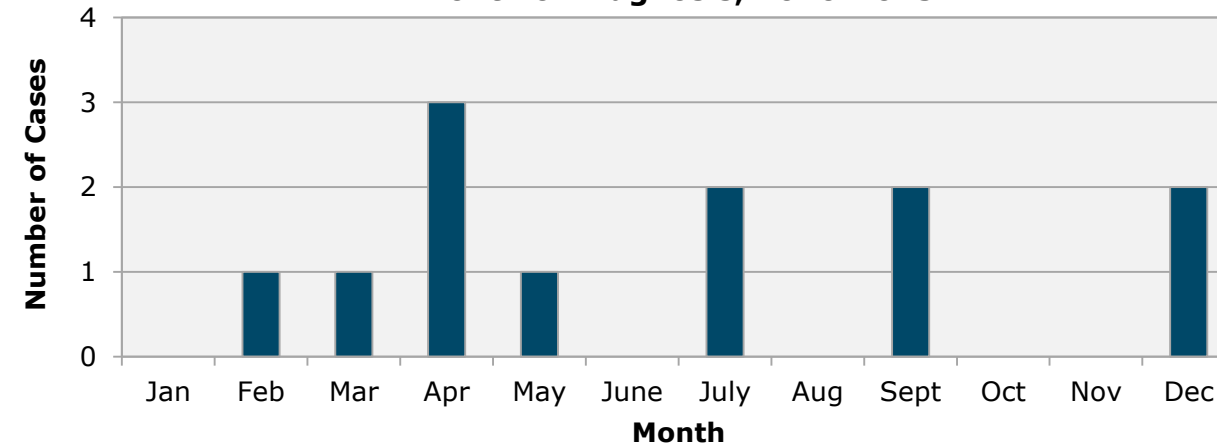
VISA: MIC = 4-8 µg/mL

VRSA: MIC ≥ 16 µg/mL

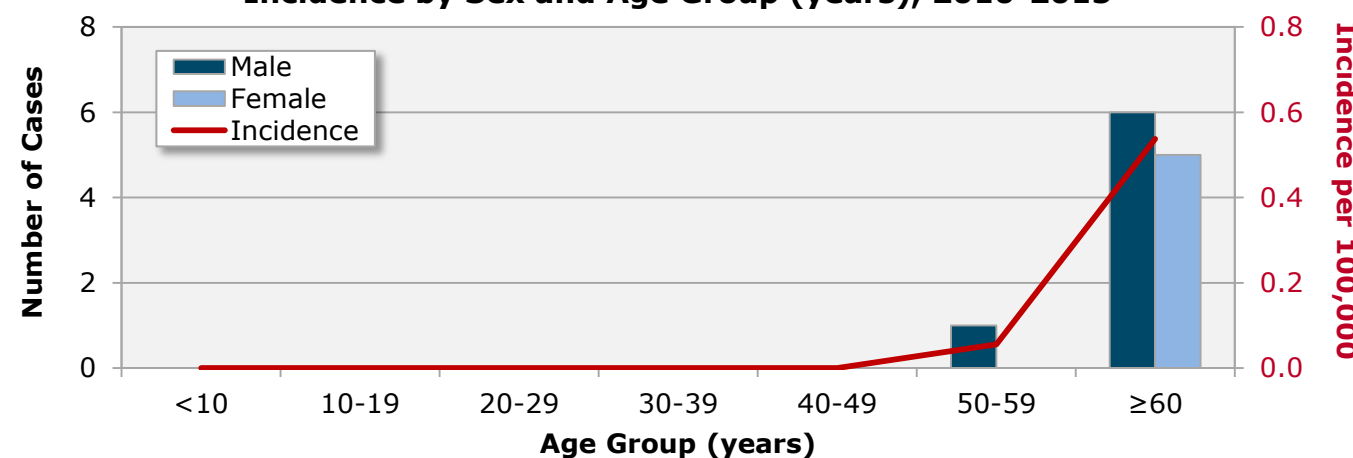
### Vancomycin-Intermediate *Staphylococcus aureus* Cases and Incidence by Year of Onset, 2010-2015



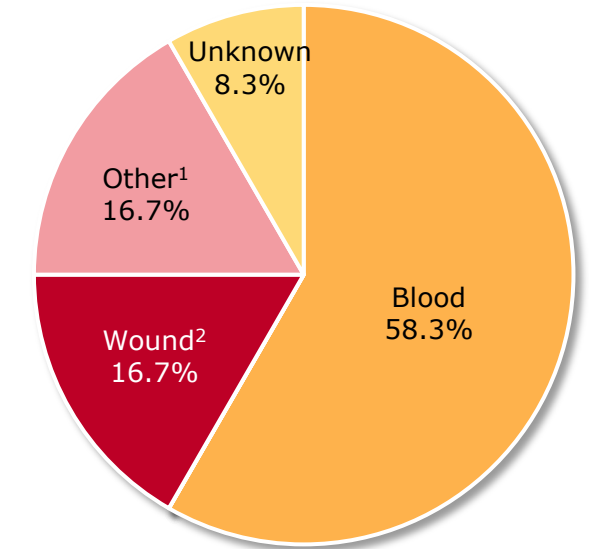
### Vancomycin-Intermediate *Staphylococcus aureus* Cases by Month of Diagnosis, 2010-2015



### Vancomycin-Intermediate *Staphylococcus aureus* Cases and Incidence by Sex and Age Group (years), 2010-2015



### Vancomycin-Intermediate *Staphylococcus aureus* Cases by Specimen Source, 2010-2015, (n=12)



<sup>1</sup>Other includes: body fluid, swabs, or catheter tips.  
<sup>2</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.
- All cases of VISA reported to Dallas County in 2015 were in people 50 years of age or older.
- There has been no increasing trend of VISA locally since reporting requirements began in Texas.
- There have been no cases of VRSA reported in Dallas County from 2010-2015.

\*CDC National Notifiable Disease Surveillance System

Note: Incidence calculated using projected population data for 2015

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 1990-2015.