



# 2017 Profile of Multidrug-Resistant *Acinetobacter* in Dallas County

## Dallas County Health and Human Services

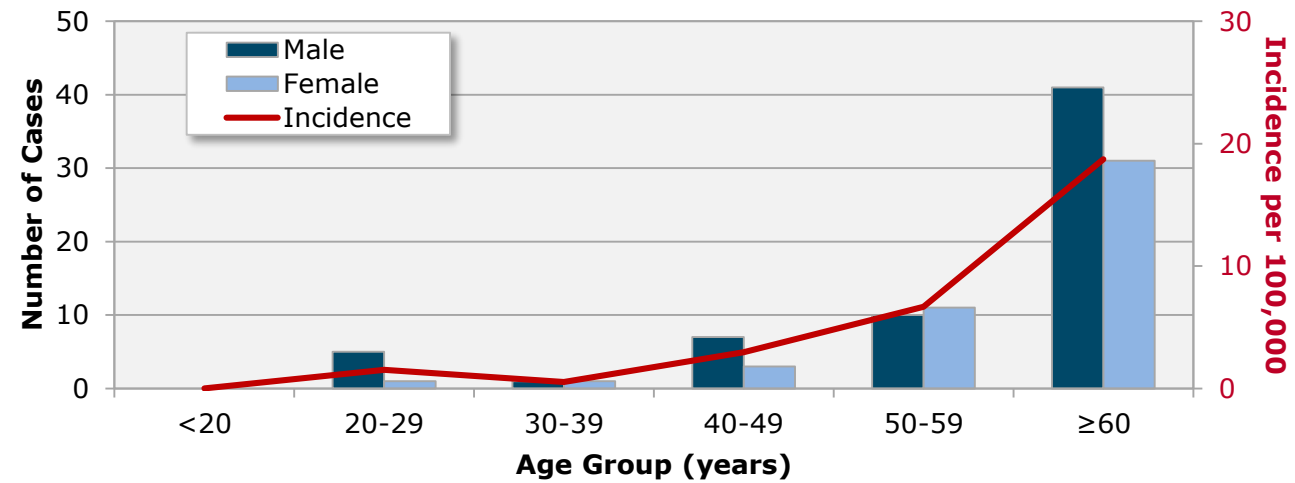
### Summary of Multidrug-Resistant *Acinetobacter* Cases, 2017

	n (%)	Incidence per 100,000
<b>Total</b>	111 (100)	4.3
<b>Sex</b>		
Male	64 (57.7)	5.0
Female	47 (42.3)	3.6
<b>Race/Ethnicity</b>		
Hispanic	15 (13.5)	1.5
White	34 (30.6)	4.3
Black	50 (45.0)	8.5
Asian	2 (1.8)	1.2
Unknown	10 (9.0)	N/A
<b>Age Group (years)</b>		
<20	0	N/A
20-29	6 (5.4)	1.5
30-39	2 (1.8)	0.5
40-49	10 (9.0)	3.0
50-59	21 (18.9)	6.7
≥60	72 (64.9)	18.7
<b>Hospitalizations</b>	93 (83.8)	3.6
<b>Deaths</b>	3 (2.7)	0.1

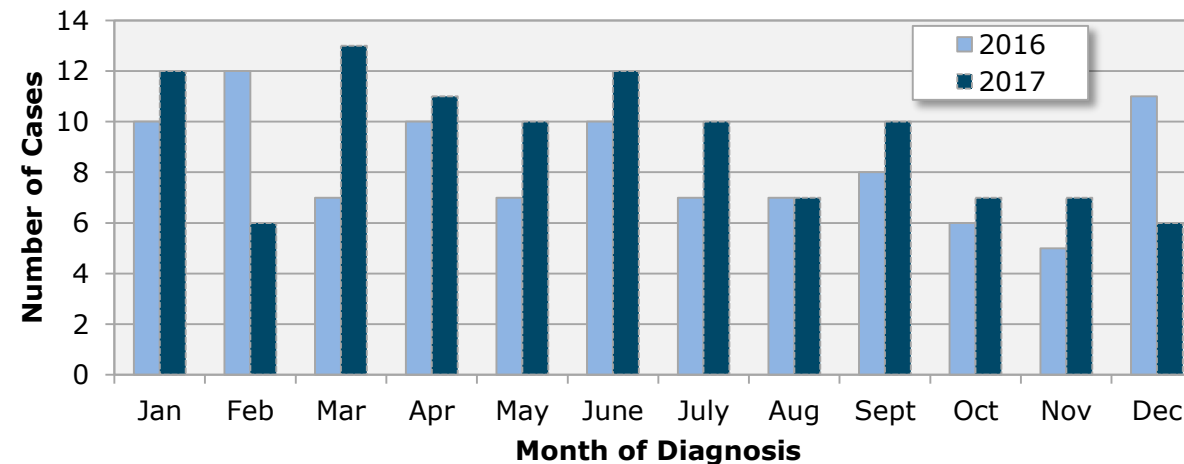
N/A = Not Applicable

- Acinetobacter* is a bacteria commonly found in soil and water, as well as on contaminated environmental surfaces, such as those found in healthcare settings, that can become resistant to many commonly used antibiotics<sup>1</sup>.
- Symptoms of *Acinetobacter* infection can vary based on location of the infection and those with compromised immune systems, chronic lung disease, diabetes, and invasive devices are more susceptible to *Acinetobacter* infection<sup>1</sup>.
- Studies have shown that patients infected with *Acinetobacter* experience up to 26% longer hospital stays<sup>1</sup>.

### Multidrug-Resistant *Acinetobacter* Cases and Incidence by Sex and Age Group, Dallas County, 2017



### Multidrug-Resistant *Acinetobacter* Cases by Month of Diagnosis, 2016-2017

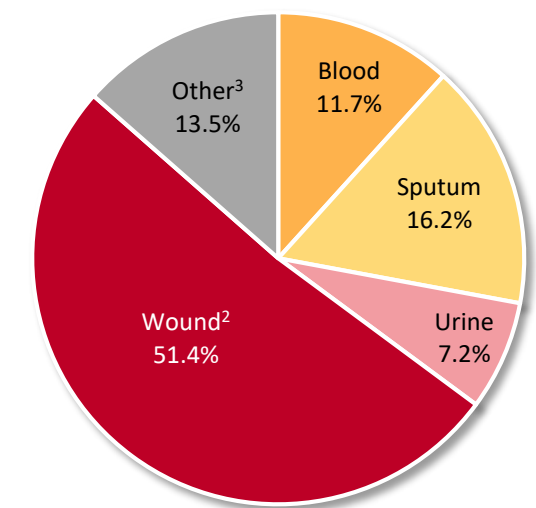


### Multidrug-Resistant *Acinetobacter* Case Definition<sup>1</sup>

Any laboratory confirmed *Acinetobacter* species obtained from any body site/source that tests nonsusceptible (i.e., intermediate or resistant) to at least one of the antibiotics listed below, in at least 3 of the following 6 antimicrobial classes. No other antibiotics meet case definition.

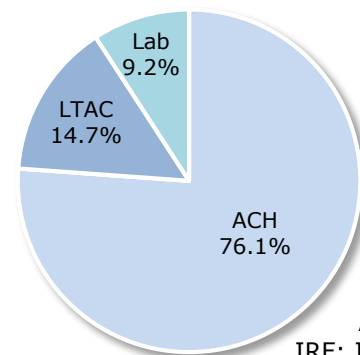
<b>Beta-Lactam</b>	<b>Aminoglycosides</b>
Piperacillin, Piperacillin/Tazobactam	Amikacin, Gentamicin, Tobramycin
<b>Carbapenems</b>	<b>Fluoroquinolones</b>
Imipenem, Meropenem, Doripenem	Ciprofloxacin, Levofloxacin
<b>Cephalosporins</b>	<b>Sulbactam</b>
Cefepime, Ceftazidime	Ampicillin/Sulbactam

### Multidrug-Resistant *Acinetobacter* Cases by Specimen Source, 2017, (n=111)

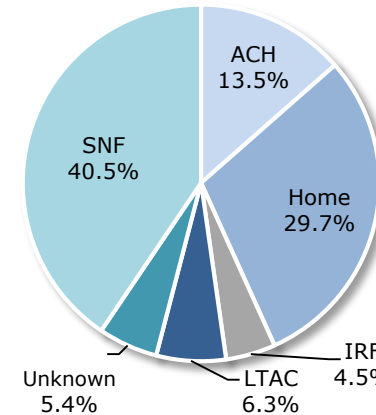


Note: MDR-A was added to the list of Texas Notifiable Conditions in April 2014.  
<sup>1</sup>Texas Department of State Health Services. "Emerging and Acute Infectious Disease Guidelines." January 2016. pp 223-227.  
<sup>2</sup>Wound includes: tissue, bone, abscess, or drainage.  
<sup>3</sup>Other includes: catheter tip.

### Healthcare Setting from which Case was Reported, (n=111)



### Previous Healthcare Setting from which Patient was Admitted/Transferred, (n=109)



ACH: Acute Care Hospital  
 IRF: Inpatient Rehabilitation Facility  
 LTAC: Long-Term Acute Care Hospital  
 SNF: Skilled Nursing Facility

Note: Incidence calculated using projected population data for 2016, and percent values are calculated using known data.

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.