



# 2015 Profile of Multidrug-Resistant *Acinetobacter* in Dallas County

## Dallas County Health and Human Services

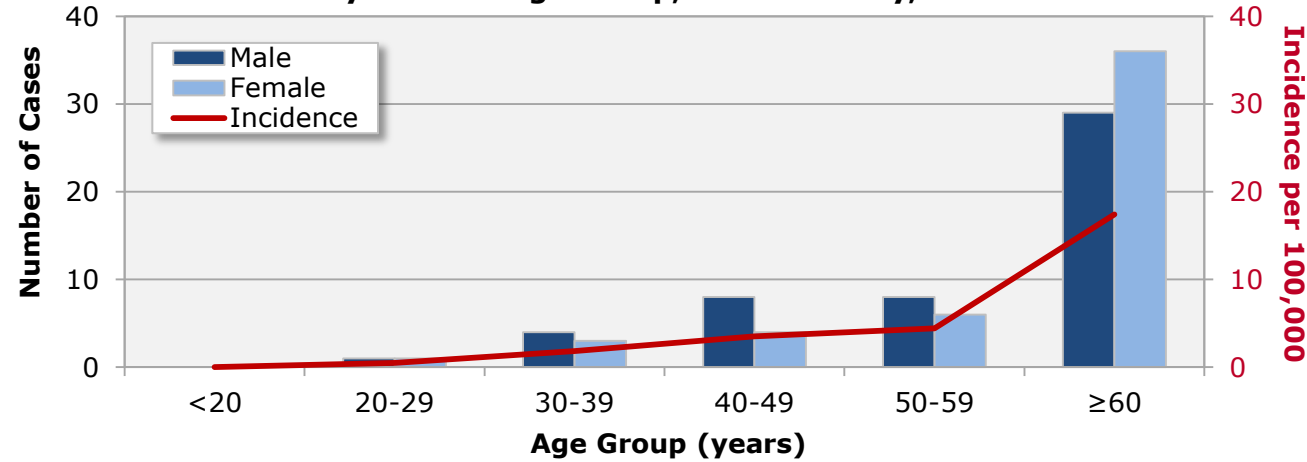
### Summary of Multidrug-Resistant *Acinetobacter* Cases, 2015

	n (%)	Incidence per 100,000
<b>Total</b>	100 (100.0)	3.9
<b>Sex</b>		
Male	50 (50.0)	4.0
Female	50 (50.0)	3.9
<b>Race/Ethnicity</b>		
Hispanic	10 (10.0)	1.0
White	42 (42.0)	5.3
Black	47 (47.0)	8.1
Asian	1 (1.0)	0.6
American Indian	0	N/A
<b>Age Group (years)</b>		
<20	0	N/A
20-29	2 (2.0)	0.5
30-39	7 (7.0)	1.8
40-49	12 (12.0)	3.5
50-59	14 (14.0)	4.4
≥60	65 (65.0)	17.4
<b>Hospitalizations</b>	93 (93.0)	3.6
<b>Deaths</b>	7 (7.0)	0.3

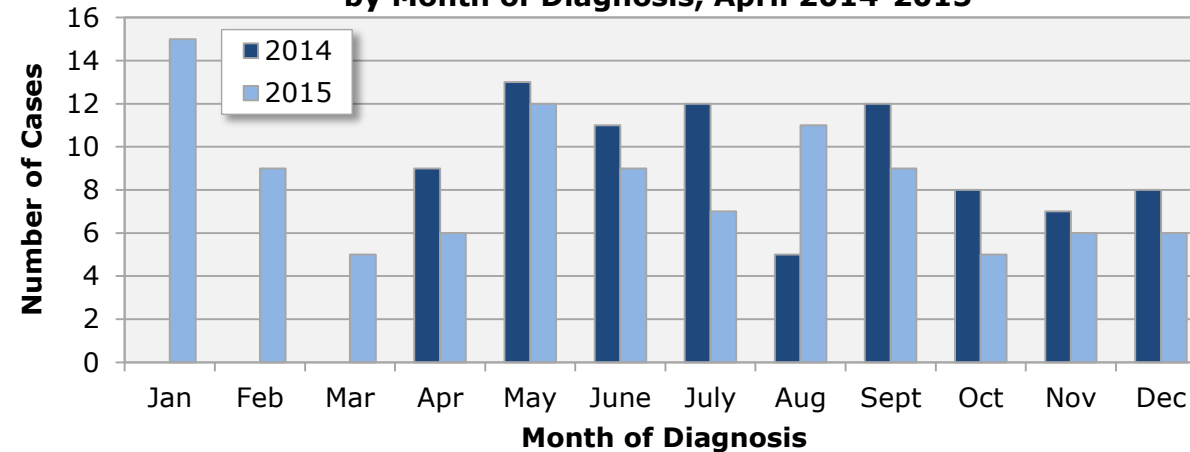
N/A = Not Applicable

- Acinetobacter* is a bacteria commonly found in soil and water, as well as, on contaminated environmental surfaces, such as found in healthcare settings, that can become resistant to many commonly used antibiotics<sup>3</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>3</sup>.
- Studies have shown that patients infected with *Acinetobacter* experience up to 26% longer hospital stays<sup>3</sup>.

### Multidrug-Resistant *Acinetobacter* Cases and Incidence by Sex and Age Group, Dallas County, 2015



### Multidrug-Resistant *Acinetobacter* Cases by Month of Diagnosis, April 2014-2015\*

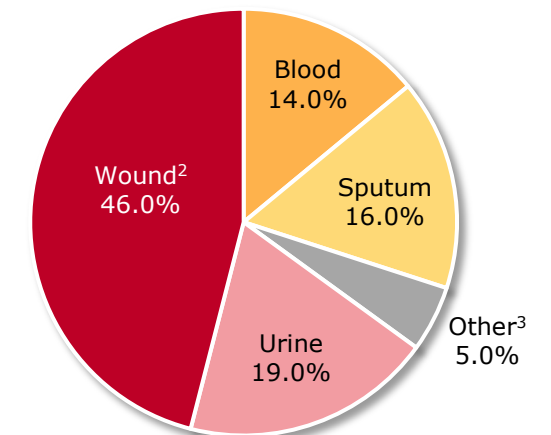


### Multidrug-Resistant *Acinetobacter* Case Definition<sup>1</sup>

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, 2015, (n=100)



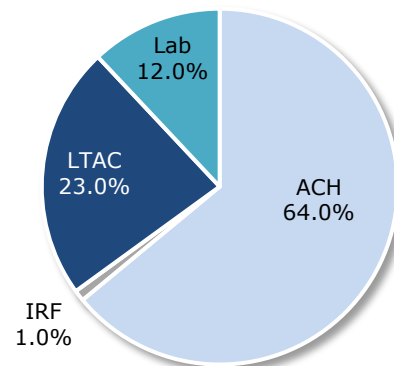
<sup>1</sup>Texas Department of State Health Services. "Emerging and Acute Infectious Disease Guidelines." January 2016. pp 223-227.

<sup>2</sup>Wound includes: tissue, bone, abscess, or drainage.

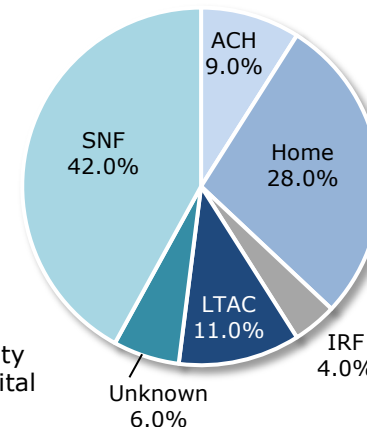
<sup>3</sup>Other includes: pleural fluid or rectal swab.

Note: MDR-A was added to the list of Texas Notifiable Conditions in April 2014.

### Healthcare Setting from which Case was Reported, (n=100)



### Previous Healthcare Setting from which Patient was Admitted/Transferred, (n=100)



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