



# 2016 Profile of Carbapenem-Resistant *E. coli* and *Klebsiella* spp. in Dallas County

## Dallas County Health and Human Services

### Summary of Carbapenem-Resistant *E. coli* and *Klebsiella* spp. Cases, 2016

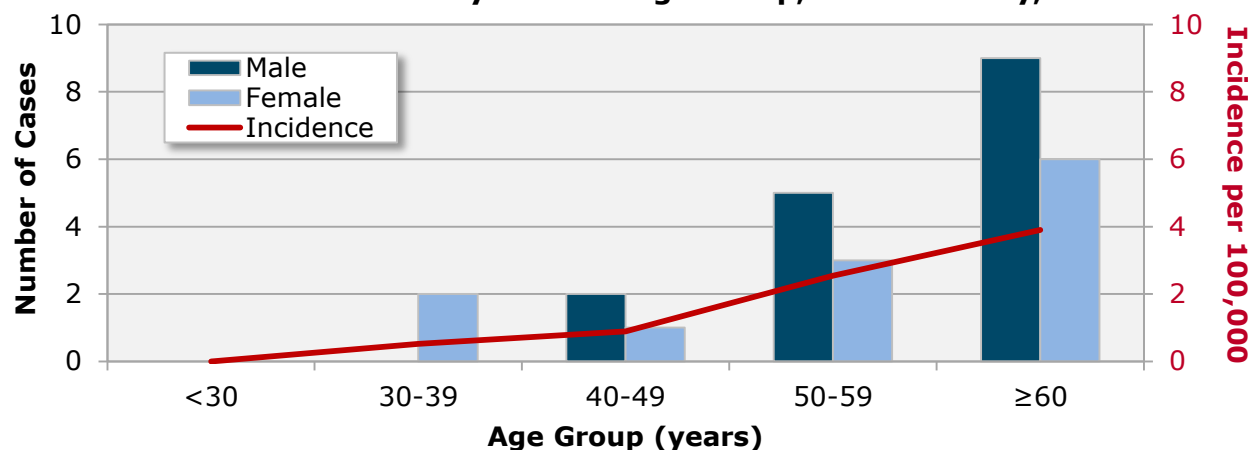
	<i>E. coli</i>		<i>Klebsiella</i> spp.	
	n (%)	Incidence per 100,000	n (%)	Incidence per 100,000
<b>Total</b>	8 (100.0)	0.31	20 (100.0)	0.78
<b>Sex</b>				
Male	4 (50.0)	0.32	12 (60.0)	0.95
Female	4 (50.0)	0.31	8 (40.0)	0.61
<b>Race/Ethnicity</b>				
Hispanic	2 (25.0)	0.19	3 (15.0)	0.29
White	2 (25.0)	0.25	7 (35.0)	0.89
Black	2 (25.0)	0.34	5 (25.0)	0.85
Asian	2 (25.0)	1.22	2 (10.0)	1.22
American Indian	0	N/A	2 (10.0)	22.53
Unknown	0	N/A	1 (5.0)	N/A
<b>Age Group (years)</b>				
<30	0	N/A	0	N/A
30-39	1 (12.5)	0.26	1 (5.0)	0.26
40-49	2 (25.0)	0.59	1 (5.0)	0.30
50-59	2 (25.0)	0.63	6 (30.0)	1.90
≥60	3 (37.5)	0.78	12 (60.0)	3.12
<b>Hospitalizations</b>	6 (75.0)	0.23	18 (90.0)	0.70
<b>Deaths</b>	0	N/A	0	N/A

N/A = Not applicable

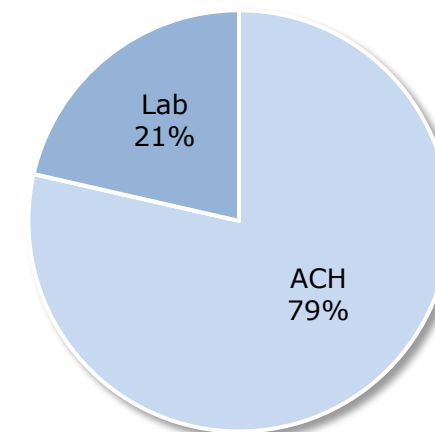
### Carbapenem-Resistant *E. coli* and *Klebsiella* spp. Cases by Facility Type Prior to Specimen Collection and After Discharge, 2016, (n=28)

	Prior Facility n (%)	Discharge Facility n (%)
<b>Acute Care Hospital (ACH)</b>	3 (11.0)	0
<b>Long-Term Acute Care Hospital (LTAC)</b>	3 (11.0)	1 (4.0)
<b>Long-Term Care Facility/Nursing Home</b>	3 (11.0)	1 (4.0)
<b>Inpatient Rehabilitation Facility (IRF)</b>	0	1 (4.0)
<b>Home</b>	19 (68.0)	8 (29.0)
<b>Other</b>	0	1 (4.0)
<b>Unknown</b>	0	16 (57.0)

### Carbapenem-Resistant *E. coli* and *Klebsiella* spp. Cases and Incidence by Sex and Age Group, Dallas County, 2016

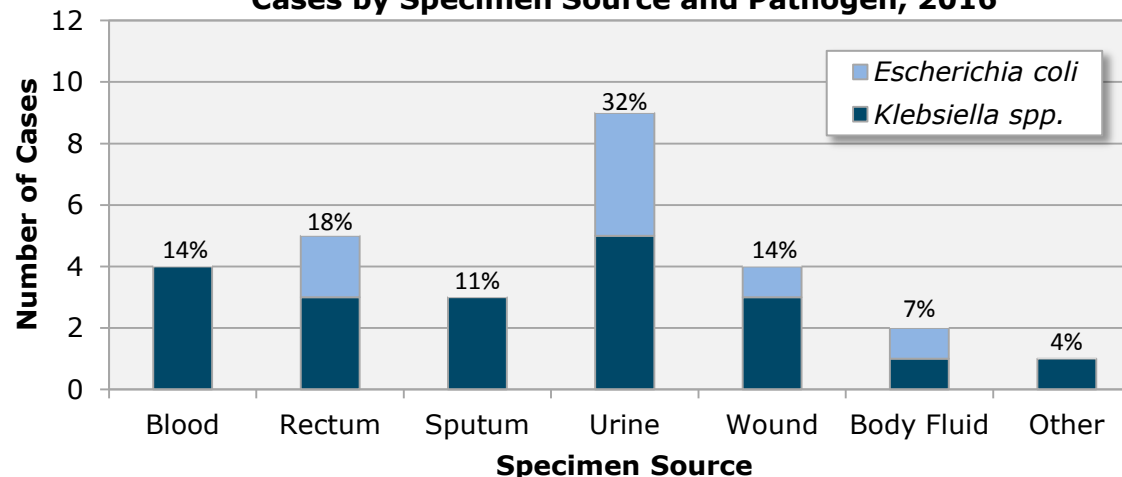


### Carbapenem-Resistant *E. coli* and *Klebsiella* spp. Cases by Reporting Facility Type, 2016, (n=28)

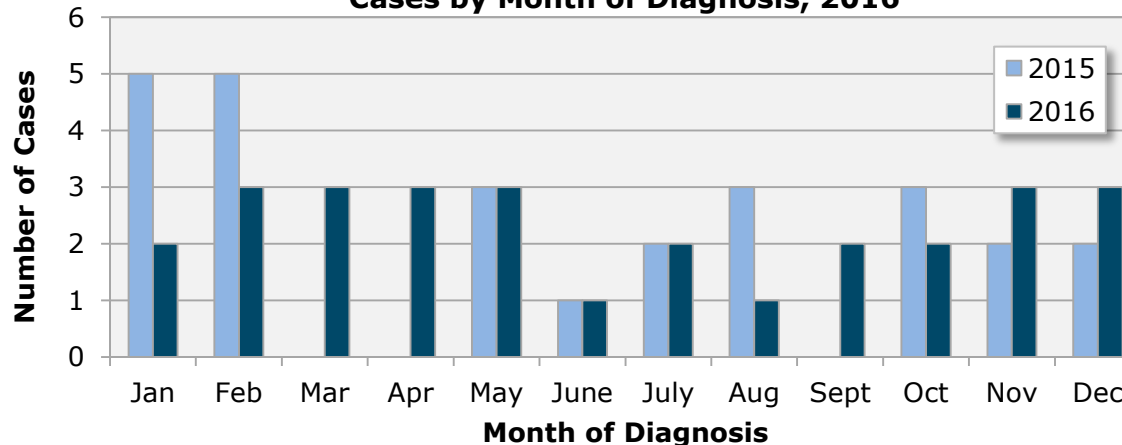


ACH: Acute Care Hospital

### Carbapenem-Resistant *E. coli* and *Klebsiella* spp. Cases by Specimen Source and Pathogen, 2016



### Carbapenem-Resistant *E. coli* and *Klebsiella* spp. Cases by Month of Diagnosis, 2016



### Carbapenem-Resistant *Enterobacteriaceae* (CRE) Case Definition<sup>1</sup>

Any laboratory confirmed *Klebsiella* species or *Escherichia coli* obtained from any body site/source

#### AND Either

- Resistant to any carbapenem (e.g., meropenem, imipenem, doripenem, ertapenem) identified by a susceptibility panel

#### OR

- Positive for carbapenemase production (i.e., KPC, NDM, VIM, IMP, OXA-48) identified by a recognized test (e.g., PCR, modified Hodge test, metallo-β-lactamase test, Carba NP)

#### Note:

- Carbapenem-resistant *E. coli* and *Klebsiella* spp. were added to the list of Texas Notifiable Conditions in April 2014.
- Carbapenem-resistant *Enterobacter* spp. are not reportable to public health agencies in Texas.

<sup>1</sup>Texas Department of State Health Services. "Emerging and Acute Infectious Disease Guidelines." January 2016. pp 49-50.

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.