



2015 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, 2015

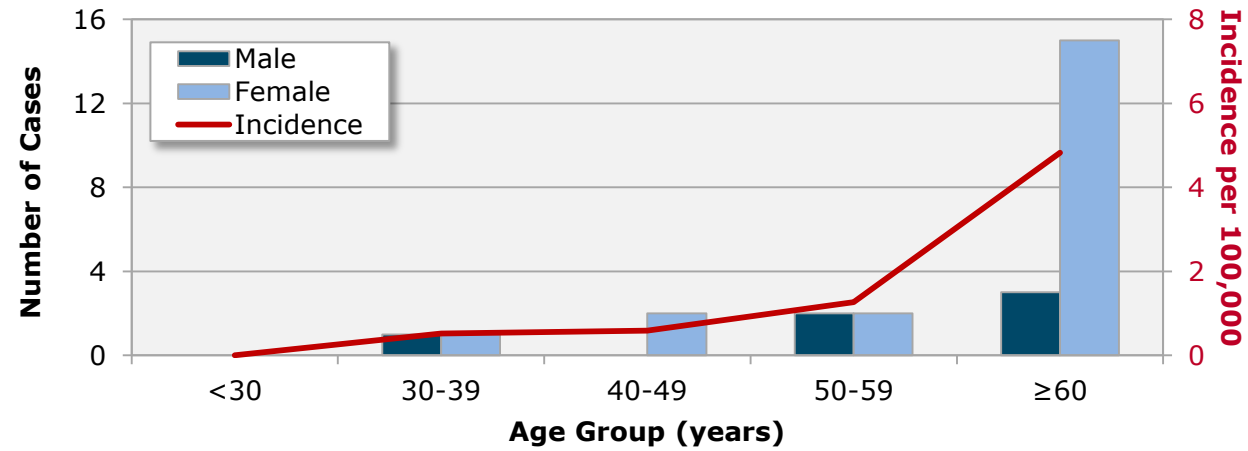
	<i>E. coli</i>		<i>Klebsiella</i> spp.	
	n (%)	Incidence per 100,000	n (%)	Incidence per 100,000
Total	5 (100.0)	0.20	21 (100.0)	0.82
Sex				
Male	1 (20.0)	0.08	5 (23.8)	0.40
Female	4 (80.0)	0.31	16 (76.2)	1.23
Race/Ethnicity				
Hispanic	0	N/A	3 (14.3)	0.30
White	3 (60.0)	0.38	12 (57.1)	1.50
Black	1 (20.0)	0.17	6 (28.6)	1.04
Asian	1 (20.0)	0.63	0	N/A
American Indian	0	N/A	0	N/A
Age Group (years)				
<30	0	N/A	0	N/A
30-39	1 (20.0)	0.26	1 (4.8)	0.26
40-49	1 (20.0)	0.29	1 (4.8)	0.29
50-59	0	N/A	4 (19.0)	1.27
≥60	3 (60.0)	0.80	15 (71.4)	4.02
Hospitalizations	5 (100.0)	0.20	17 (81.0)	0.67
Deaths	0	N/A	2 (7.7)	0.08

N/A = Not applicable

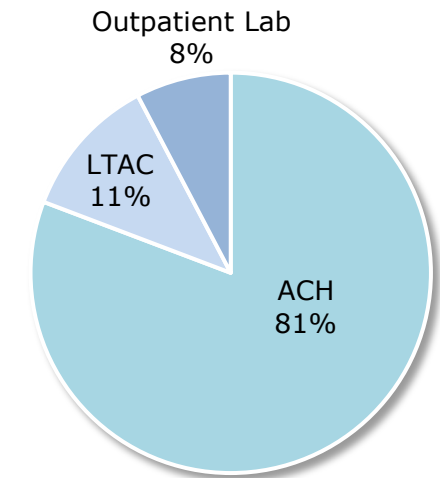
Carbapenem-Resistant *E. coli* and *Klebsiella* spp. Cases by Facility Type Prior to Specimen Collection and After Discharge, 2015 (n=26)

	Prior Facility n (%)	Discharge Facility n (%)
Acute Care Hospital (ACH)	2 (7.7)	2 (7.7)
Long-Term Acute Care Hospital (LTAC)	4 (15.4)	2 (7.7)
Long-Term Care Facility/Nursing Home	8 (30.8)	7 (26.9)
Inpatient Rehabilitation Facility (IRF)	1 (3.8)	2 (7.7)
Home	8 (30.8)	5 (19.2)
Other	1 (3.8)	2 (7.7)
Unknown	2 (7.7)	6 (23.1)

Carbapenem-Resistant *E. coli* and *Klebsiella* spp. Cases and Incidence by Sex and Age Group, Dallas County, 2015

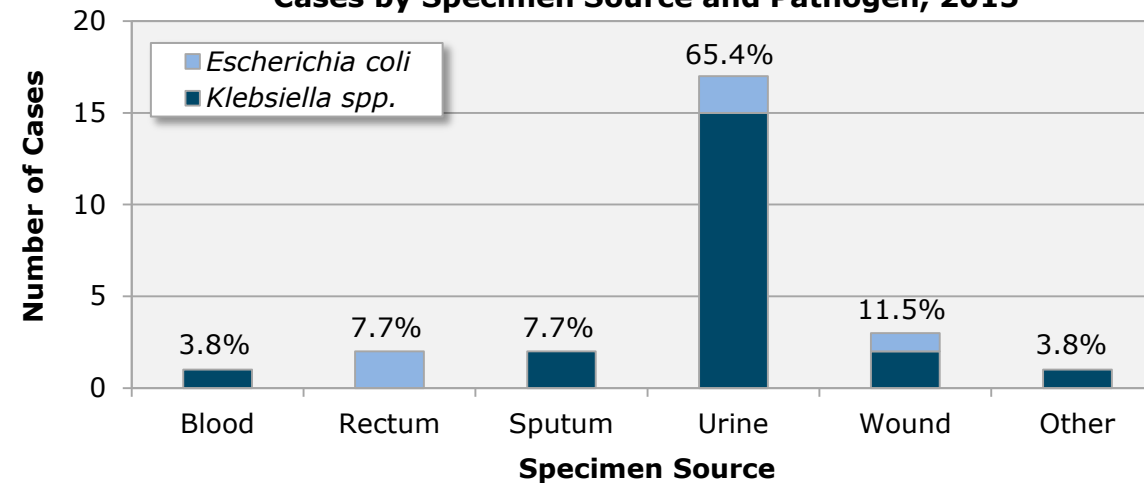


Carbapenem-Resistant *E. coli* and *Klebsiella* spp. Cases by Reporting Facility Type, 2015, (n=26)

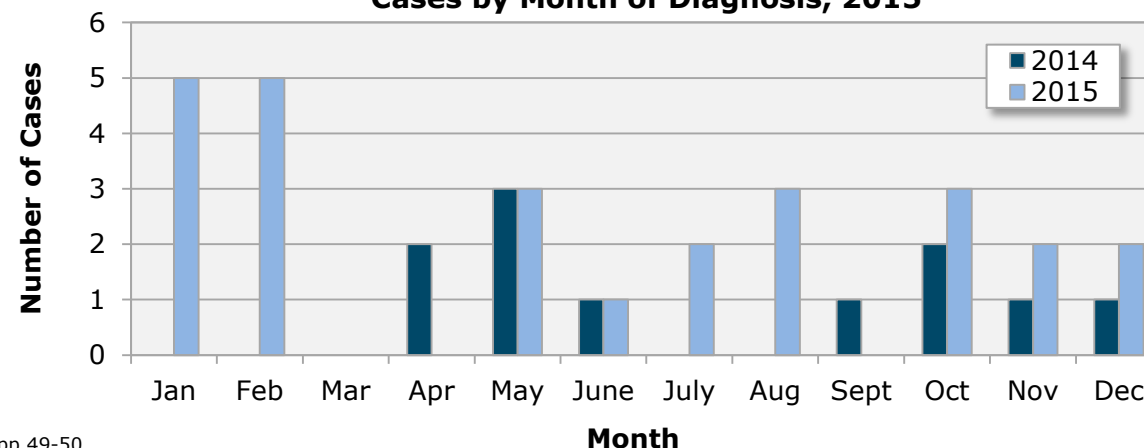


ACH: Acute Care Hospital
LTAC: Long-Term Acute Care Hospital

Carbapenem-Resistant *E. coli* and *Klebsiella* spp. Cases by Specimen Source and Pathogen, 2015



Carbapenem-Resistant *E. coli* and *Klebsiella* spp. Cases by Month of Diagnosis, 2015



Carbapenem-Resistant *Enterobacteriaceae* (CRE) Case Definition¹

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) demonstrated 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.

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

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.