

Enterobacteriaceae  
Subgroups/Author(s)

Escherichia coli

Baloch et al., 2019  
Umair et al., 2019  
Ahmed et al., 2019  
Farooq et al., 2019  
Younas et al., 2019  
Ur Rahman et al., 2019  
J. Jamil et al., 2018  
Rahman et al., 2016  
Jameel et al., 2014  
Habeeb et al., 2014  
Habeeb et al., 2013  
Tanvir et al., 2012

RE Model for Subgroup  
(T<sup>2</sup> = 0.0027, df = 11, Q = 133.66,  
p < .0001; H<sup>2</sup> = 12.2, I<sup>2</sup> = 91.8%)

Klebsiella pneumoniae

Talpur et al., 2020  
Younas et al., 2018  
Humayun et al., 2018  
Saleem et al., 2013  
Ullah et al., 2009

RE Model for Subgroup  
(T<sup>2</sup> = 0.0133, df = 4, Q = 26.21,  
p < .0001; H<sup>2</sup> = 6.6, I<sup>2</sup> = 84.7%)

Salmonella enterica

M. Wajid et al., 2019  
Muhammad Wajid et al., 2019  
Malik and Ahmed, 2016  
Ikram et al., 2015

RE Model for Subgroup  
(T<sup>2</sup> = 0.0173, df = 3, Q = 113.55,  
p < .0001; H<sup>2</sup> = 37.9, I<sup>2</sup> = 97.4%)

RE Model for All Studies

(T<sup>2</sup> = 0.0038, df = 20, Q = 346.54,  
p < .0001; H<sup>2</sup> = 17.3, I<sup>2</sup> = 94.2%)

Test for Subgroup Differences

(T<sup>2</sup> = 0.0047, df = 2, Q<sub>M</sub> = 0.53,  
p = 0.5949; H<sup>2</sup> = 15.2, I<sup>2</sup> = 93.4%)

Sample Trait Weight% Pr[95% CI]

Po	NI	1.88%	0.15 [−0.06, 0.37]
H,C,Po	ESBL	1.36%	0.52 [ 0.26, 0.78]
H-TCH	NI	6.59%	0.07 [ 0.02, 0.12]
H-TCH	MDR	2.28%	0.86 [ 0.68, 1.05]
Po	MDR	2.10%	0.29 [ 0.09, 0.48]
Po,PE	ESBL	5.32%	0.06 [−0.02, 0.14]
H-TCH	NI	3.57%	0.33 [ 0.20, 0.46]
H-UTI	ESBL-GNR	6.49%	0.03 [−0.03, 0.08]
H-Pe	ESBL	7.60%	0.01 [−0.01, 0.02]
H-TCH	ESBL	7.53%	0.01 [−0.01, 0.03]
H-TCH	ESBL	7.45%	0.01 [−0.01, 0.04]
H-CDS	NI	7.67%	0.01 [−0.00, 0.02]

H-ICU	NI	0.84%	0.50 [ 0.15, 0.85]
H-Pe	ACBL	4.01%	0.44 [ 0.33, 0.56]
H-TCH	NI	5.74%	0.14 [ 0.06, 0.21]
H-Pe	NI	5.12%	0.20 [ 0.12, 0.29]
H-TCH	NI	5.63%	0.13 [ 0.06, 0.20]

Po	NI	1.62%	0.78 [ 0.54, 1.01]
Po	NI	2.36%	0.78 [ 0.60, 0.96]
H-TCH	NI	7.16%	0.04 [ 0.00, 0.07]
H-TCH	NI	7.69%	0.00 [−0.01, 0.01]

100.00% 0.14 [ 0.04, 0.24]

−0.5 0.0 0.5 1.0 1.5

Incidence Rate