

Enterobacteriaceae

Subgroups/Author(s)

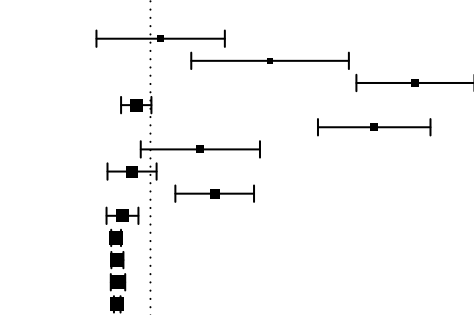
Sample

Trait

Weight% Pr[95% CI]

Escherichia coli

Baloch et al., 2019
Umair et al., 2019
Qamar et al., 2019a
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



Po	NI	0.57%	0.15 [−0.06, 0.37]
H,C,Po	ESBL	0.40%	0.52 [0.26, 0.78]
H–TCH	NI	0.65%	1.00 [0.80, 1.20]
H–TCH	NI	2.43%	0.07 [0.02, 0.12]
H–TCH	MDR	0.70%	0.86 [0.68, 1.05]
Po	MDR	0.64%	0.29 [0.09, 0.48]
Po,Pe	ESBL	1.85%	0.06 [−0.02, 0.14]
H–TCH	NI	1.15%	0.33 [0.20, 0.46]
H–UTI	ESBL–GNR	2.38%	0.03 [−0.03, 0.08]
H–Pe	ESBL	2.94%	0.01 [−0.01, 0.02]
H–TCH	ESBL	2.90%	0.01 [−0.01, 0.03]
H–TCH	ESBL	2.86%	0.01 [−0.01, 0.04]
H–CDS	NI	2.98%	0.01 [−0.00, 0.02]

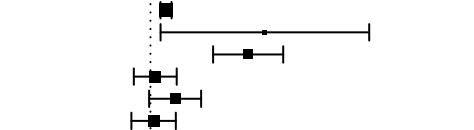
RE Model for Subgroup

(T² = 0.0047, df = 12, Q = 230.56,
p < .0001; H² = 19.2, I² = 94.8%)

0.14 [−0.02, 0.30]

Klebsiella pneumoniae

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



H,VE,HE	NS	2.92%	0.17 [0.15, 0.19]
H–ICU	NI	0.24%	0.50 [0.15, 0.85]
H–Pe	ACBL	1.32%	0.44 [0.33, 0.56]
H–TCH	NI	2.04%	0.14 [0.06, 0.21]
H–Pe	NI	1.77%	0.20 [0.12, 0.29]
H–TCH	NI	1.99%	0.13 [0.06, 0.20]

RE Model for Subgroup

(T² = 0.0054, df = 5, Q = 27.02,
p < .0001; H² = 5.4, I² = 81.5%)

0.21 [0.08, 0.35]

Salmonella enterica

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



Po	NI	0.48%	0.78 [0.54, 1.01]
Po	NI	0.73%	0.78 [0.60, 0.96]
H–TCH	NI	2.71%	0.04 [0.00, 0.07]
H–TCH	NI	2.99%	0.00 [−0.01, 0.01]

RE Model for Subgroup

(T² = 0.0173, df = 3, Q = 113.55,
p < .0001; H² = 37.9, I² = 97.4%)

0.31 [−0.37, 0.98]

Unsorted

Sattar et al., 2019
Sana et al., 2019
Heinz et al., 2019
Ansari et al., 2018
Luxmi and Javed, 2018
Alizai et al., 2018
Abrar et al., 2017
Khan et al., 2017
Shabbir et al., 2017
Javed et al., 2016
Ilyas et al., 2016
Hafeez et al., 2016
Shabbir et al., 2016
Ullah et al., 2016
Qadeer et al., 2016
Sattar et al., 2016
Riaz and Bashir, 2015
Sohail et al., 2015
Ashraf and Ahmed, 2015
Pesesky et al., 2015
Kathryn M. Day et al., 2013
Ejaz et al., 2011
Perry et al., 2011
Hassan et al., 2011
Nazir et al., 2011
Saghir et al., 2009



H–UTI	NI	2.88%	0.03 [0.01, 0.06]
H–Pe	NI	0.68%	0.45 [0.26, 0.64]
H–Pe	NI	2.45%	0.11 [0.06, 0.16]
H–TCH	NS	2.97%	0.04 [0.03, 0.05]
H–SIRS	ESBL	2.47%	0.11 [0.06, 0.16]
H–TCH	NI	2.85%	0.09 [0.07, 0.12]
H–TCH	ESBL	2.70%	0.13 [0.09, 0.16]
H–S,B,T	NI	2.86%	0.01 [−0.02, 0.03]
H–UTI	NI	2.94%	0.03 [0.01, 0.04]
H–Pe	NI	2.91%	0.12 [0.10, 0.14]
Sa	NI	1.15%	0.24 [0.11, 0.37]
H–ICU	NI	1.74%	0.21 [0.12, 0.29]
H–UTI	NI	1.79%	0.16 [0.07, 0.24]
H–Pe	NI	2.94%	0.07 [0.05, 0.08]
H–ICU	NI	1.75%	0.29 [0.20, 0.38]
H–TCH	NI	1.39%	0.20 [0.09, 0.31]
H–CDS	NI	2.99%	0.02 [0.01, 0.03]
H–UTI	NI	2.88%	0.03 [0.01, 0.05]
H–TCH	NI	3.01%	0.08 [0.07, 0.08]
H–TCH	NI	1.18%	0.24 [0.11, 0.36]
H–TCH	NI	2.21%	0.19 [0.13, 0.25]
H–Pe	NI	3.01%	0.01 [0.00, 0.01]
H–Hs,NHs	NS	2.26%	0.18 [0.13, 0.24]
H–TCH	ACBL	2.71%	0.01 [−0.02, 0.05]
H–UTI	NI	2.76%	0.09 [0.05, 0.12]
H–ACT	NI	0.92%	0.19 [0.04, 0.35]

RE Model for Subgroup

(T² = 0.0019, df = 25, Q = 649.05,
p < .0001; H² = 26.0, I² = 96.1%)

0.09 [0.06, 0.13]

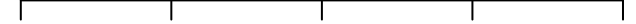
RE Model for All Studies

(T² = 0.0028, df = 48, Q = 1352.21,
p < .0001; H² = 28.2, I² = 96.5%)

100.00% 0.12 [0.07, 0.16]

Test for Subgroup Differences

(T² = 0.0025, df = 3, Q_M = 0.70,
p = 0.5553; H² = 22.7, I² = 95.6%)



Incidence Rate