

Enterobacteriaceae

Subgroups/Author(s)

Sample Trait Weight% Pr[95% CI]

Escherichia coli

Baloch et al., 2019	Po	NI	0.59%	0.15 [−0.06, 0.37]
Umair et al., 2019	H,C,Po	ESBL	0.42%	0.52 [0.26, 0.78]
Qamar et al., 2019a	H–TCH	NI	0.68%	1.00 [0.80, 1.20]
Ahmed et al., 2019	H–TCH	NI	2.38%	0.07 [0.02, 0.12]
Farooq et al., 2019	H–TCH	MDR	0.73%	0.86 [0.68, 1.05]
Younas et al., 2019	Po	MDR	0.66%	0.29 [0.09, 0.48]
Ur Rahman et al., 2019	Po,PE	ESBL	1.85%	0.06 [−0.02, 0.14]
J. Jamil et al., 2018	H–TCH	NI	1.18%	0.33 [0.20, 0.46]
Rahman et al., 2016	H–UTI	ESBL–GNR	2.34%	0.03 [−0.03, 0.08]
Jameel et al., 2014	H–Pe	ESBL	2.83%	0.01 [−0.01, 0.02]
Habeeb et al., 2014	H–TCH	ESBL	2.80%	0.01 [−0.01, 0.03]
Habeeb et al., 2013	H–TCH	ESBL	2.76%	0.01 [−0.01, 0.04]
Tanvir et al., 2012	H–CDS	NI	2.87%	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	H,VE,HE	NS	2.81%	0.17 [0.15, 0.19]
Talpur et al., 2020	H–ICU	NI	0.26%	0.50 [0.15, 0.85]
Younas et al., 2018	H–Pe	ACBL	1.34%	0.44 [0.33, 0.56]
Humayun et al., 2018	H–TCH	NI	2.02%	0.14 [0.06, 0.21]
Saleem et al., 2013	H–Pe	NI	1.77%	0.20 [0.12, 0.29]
Ullah et al., 2009	H–TCH	NI	1.98%	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	Po	NI	0.50%	0.78 [0.54, 1.01]
Muhammad Wajid et al., 2019	Po	NI	0.75%	0.78 [0.60, 0.96]
Malik and Ahmed, 2016	H–TCH	NI	2.63%	0.04 [0.00, 0.07]
Ikram et al., 2015	H–TCH	NI	2.87%	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	H–UTI	NI	2.78%	0.03 [0.01, 0.06]
Sana et al., 2019	H–Pe	NI	0.70%	0.45 [0.26, 0.64]
Heinz et al., 2019	H–Pe	NI	2.40%	0.11 [0.06, 0.16]
Ain et al., 2018	H–TCH	NI	2.08%	0.45 [0.38, 0.52]
Ansari et al., 2018	H–TCH	NS	2.86%	0.04 [0.03, 0.05]
Luxmi and Javed, 2018	H–SIRS	ESBL	2.41%	0.11 [0.06, 0.16]
Alizai et al., 2018	H–TCH	NI	2.75%	0.09 [0.07, 0.12]
Abrar et al., 2017	H–TCH	ESBL	2.62%	0.13 [0.09, 0.16]
Khan et al., 2017	H–S,B,T	NI	2.77%	0.01 [−0.02, 0.03]
Shabbir et al., 2017	H–UTI	NI	2.84%	0.03 [0.01, 0.04]
Javed et al., 2016	H–Pe	NI	2.80%	0.12 [0.10, 0.14]
Ilyas et al., 2016	Sa	NI	1.17%	0.24 [0.11, 0.37]
Hafeez et al., 2016	H–ICU	NI	1.74%	0.21 [0.12, 0.29]
Shabbir et al., 2016	H–UTI	NI	1.79%	0.16 [0.07, 0.24]
Ullah et al., 2016	H–Pe	NI	2.83%	0.07 [0.05, 0.08]
Qadeer et al., 2016	H–ICU	NI	1.75%	0.29 [0.20, 0.38]
Sattar et al., 2016	H–TCH	NI	1.41%	0.20 [0.09, 0.31]
Riaz and Bashir, 2015	H–CDS	NI	2.87%	0.02 [0.01, 0.03]
Sohail et al., 2015	H–UTI	NI	2.78%	0.03 [0.01, 0.05]
Ashraf and Ahmed, 2015	H–TCH	NI	2.89%	0.08 [0.07, 0.08]
Pesesky et al., 2015	H–TCH	NI	1.20%	0.24 [0.11, 0.36]
Kathryn M. Day et al., 2013	H–TCH	NI	2.18%	0.19 [0.13, 0.25]
Ejaz et al., 2011	H–Pe	NI	2.89%	0.01 [0.00, 0.01]
Perry et al., 2011	H–Hs,NHs	NS	2.22%	0.18 [0.13, 0.24]
Hassan et al., 2011	H–TCH	ACBL	2.63%	0.01 [−0.02, 0.05]
Nazir et al., 2011	H–UTI	NI	2.68%	0.09 [0.05, 0.12]
Saghir et al., 2009	H–ACT	NI	0.95%	0.19 [0.04, 0.35]

RE Model for Subgroup

(T² = 0.0023, df = 26, Q = 788.14, p < .0001; H² = 30.3, I² = 96.7%) 0.11 [0.07, 0.15]

RE Model for All Studies

(T² = 0.0030, df = 49, Q = 1493.26, p < .0001; H² = 30.5, I² = 96.7%) 100.00% 0.13 [0.08, 0.17]

Test for Subgroup Differences

(T² = 0.0028, df = 3, Q_M = 0.51, p = 0.6799; H² = 25.2, I² = 96.0%)

