

Enterobacteriaceae
Subgroups/Author(s)

Punjab

Aslam et al., 2020
Baloch et al., 2019
Umair et al., 2019
Qamar et al., 2019a
Ahmed et al., 2019
M. Wajid et al., 2019
Muhammad Wajid et al., 2019
Sattar et al., 2019
Sana et al., 2019
Heinz et al., 2019
Younas et al., 2018
Ain et al., 2018
Ansari et al., 2018
B. Jamil et al., 2018
Abrar et al., 2017
Malik and Ahmed, 2016
Javed et al., 2016
Ilyas et al., 2016
Hafeez et al., 2016
Riaz and Bashir, 2015
Sohail et al., 2015
Jameel et al., 2014
Kathryn M. Day et al., 2013
Tanvir et al., 2012
Ejaz et al., 2011
Perry et al., 2011
Hassan et al., 2011
Saghir et al., 2009

RE Model for Subgroup
(T² = 0.0047, df = 27, Q = 1125.21,
p < .0001; H² = 41.7, I² = 97.6%)

Sindh

Talpur et al., 2020
Farooq et al., 2019
Luxmi and Javed, 2018
Shabbir et al., 2016
Ashraf and Ahmed, 2015
Saleem et al., 2013
Sultan et al., 2013
Khan et al., 2010
Jabeen et al., 2010

RE Model for Subgroup
(T² = 0.0003, df = 8, Q = 994.98,
p < .0001; H² = 124.4, I² = 99.2%)

Khyber Pakhtunkhwa (KPK)

Younas et al., 2019
Ur Rahman et al., 2019
J. Jamil et al., 2018
Khan et al., 2017
Shabbir et al., 2017
Rahman et al., 2016
Ullah et al., 2016
Ullah et al., 2009

RE Model for Subgroup
(T² = 0.0016, df = 7, Q = 49.85,
p < .0001; H² = 7.1, I² = 86.0%)

Islamabad

Humayun et al., 2018
Alizai et al., 2018
Qadeer et al., 2016
Sattar et al., 2016
Ikram et al., 2015
Nazir et al., 2011

RE Model for Subgroup
(T² = 0.0055, df = 5, Q = 114.32,
p < .0001; H² = 22.9, I² = 95.6%)

RE Model for All Studies
(T² = 0.0007, df = 50, Q = 2613.99,
p < .0001; H² = 52.3, I² = 98.1%)

Test for Subgroup Differences
(T² = 0.0007, df = 3, Q_M = 0.49,
p = 0.6893; H² = 48.6, I² = 97.9%)

Sample Trait-Species Weight% Pr[95% CI]

H,VE,HE	KP	3.36%	0.17 [0.15, 0.19]
Po	EC	0.21%	0.15 [−0.06, 0.37]
H,C,P	ESBL-EC	0.14%	0.52 [0.26, 0.78]
H-TCH	EC	0.25%	1.00 [0.80, 1.20]
H-TCH	EC	1.95%	0.07 [0.02, 0.12]
Po	SE	0.18%	0.78 [0.54, 1.01]
Po	SE	0.28%	0.78 [0.60, 0.96]
H-UTI	En	3.21%	0.03 [0.01, 0.06]
H-Pe	En	0.26%	0.45 [0.26, 0.64]
H-Pe	En	1.99%	0.11 [0.06, 0.16]
H-Pe	ACBL-KP	0.63%	0.44 [0.33, 0.56]
H-TCH	En	1.40%	0.45 [0.38, 0.52]
H-TCH	CRE-En	3.59%	0.04 [0.03, 0.05]
H-UTI	En	1.74%	0.39 [0.34, 0.45]
H-TCH	ESBL-En	2.59%	0.13 [0.09, 0.16]
H-TCH	SE	2.64%	0.04 [0.00, 0.07]
H-Pe	CRE-En	3.30%	0.12 [0.10, 0.14]
Sa	En	0.51%	0.24 [0.11, 0.37]
H-ICU	En	0.98%	0.21 [0.12, 0.29]
H-CDS	En	3.66%	0.02 [0.01, 0.03]
H-UTI	En	3.19%	0.03 [0.01, 0.05]
H-Pe	ESBL-EC	3.44%	0.01 [−0.01, 0.02]
H-TCH	En	1.56%	0.19 [0.13, 0.25]
H-CDS	EC	3.62%	0.01 [−0.00, 0.02]
H-Pe	En	3.75%	0.01 [0.00, 0.01]
H-Hs,NHs	CPE-En	1.63%	0.18 [0.13, 0.24]
H-TCH	ACBL-En	2.62%	0.01 [−0.02, 0.05]
H-ACT	En	0.38%	0.19 [0.04, 0.35]

0.17 [0.09, 0.25]

H-ICU	KP	0.08%	0.50 [0.15, 0.85]
H-TCH	MDR-EC	0.27%	0.86 [0.68, 1.05]
H-SIRS	ESBL-En	2.03%	0.11 [0.06, 0.16]
H-UTI	En	1.02%	0.16 [0.07, 0.24]
H-TCH	En	3.74%	0.08 [0.07, 0.08]
H-Pe	KP	1.00%	0.20 [0.12, 0.29]
H-TCH	En	3.77%	0.01 [0.01, 0.02]
H-TCH	KP	3.78%	0.00 [0.00, 0.01]
H-TCH	ESBL-NTS	3.78%	0.00 [−0.00, 0.00]

0.05 [−0.03, 0.12]

Po	MDR-EC	0.24%	0.29 [0.09, 0.48]
Po,PE	ESBL-EC	1.09%	0.06 [−0.02, 0.14]
H-TCH	EC	0.52%	0.33 [0.20, 0.46]
H-S,B,T	En	3.14%	0.01 [−0.02, 0.03]
H-UTI	En	3.46%	0.03 [0.01, 0.04]
H-UTI	ESBL-EC	1.85%	0.03 [−0.03, 0.08]
H-Pe	En	3.43%	0.07 [0.05, 0.08]
H-TCH	KP	1.25%	0.13 [0.06, 0.20]

0.07 [−0.00, 0.14]

H-TCH	KP	1.31%	0.14 [0.06, 0.21]
H-TCH	En	3.08%	0.09 [0.07, 0.12]
H-ICU	En	0.98%	0.29 [0.20, 0.38]
H-TCH	En	0.68%	0.20 [0.09, 0.31]
H-TCH	SE	3.65%	0.00 [−0.01, 0.01]
H-UTI	En	2.79%	0.09 [0.05, 0.12]

0.12 [0.02, 0.22]

100.00% 0.09 [0.05, 0.13]

−0.5 0.0 0.5 1.0 1.5

Incidence Rate