

Enterobacteriaceae – Clinical  
Subgroups/Author(s)

ESBL Producing

Umair et al., 2019  
Luxmi and Javed, 2018  
Abrar et al., 2017  
Rahman et al., 2016  
Habeeb et al., 2014  
Habeeb et al., 2013

RE Model for Subgroup

(T<sup>2</sup> = 0.0031, df = 5, Q = 53.02,  
p < .0001; H<sup>2</sup> = 10.6, I<sup>2</sup> = 90.6%)

ACBL Producing

Younas et al., 2018  
Jameel et al., 2014  
Hassan et al., 2011

RE Model for Subgroup

(T<sup>2</sup> = 0.0090, df = 2, Q = 53.49,  
p < .0001; H<sup>2</sup> = 26.7, I<sup>2</sup> = 96.3%)

Naive Isolates

Talpur et al., 2020  
Ahmed et al., 2019  
Sattar et al., 2019  
Sana et al., 2019  
Heinz et al., 2019  
Ansari et al., 2018  
J. Jamil et al., 2018  
Humayun et al., 2018  
Alizai et al., 2018  
Khan et al., 2017  
Shabbir et al., 2017  
Javed et al., 2016  
Malik and Ahmed, 2016  
Hafeez et al., 2016  
Shabbir et al., 2016  
Qadeer et al., 2016  
Sattar et al., 2016  
Ullah et al., 2016  
Ikram et al., 2015  
Riaz and Bashir, 2015  
Sohail et al., 2015  
Pesesky et al., 2015  
Kathryn M. Day et al., 2013  
Saleem et al., 2013  
Tanvir et al., 2012  
Perry et al., 2011  
Nazir et al., 2011  
Ullah et al., 2009  
Saghir et al., 2009

RE Model for Subgroup

(T<sup>2</sup> = 0.0019, df = 28, Q = 399.45,  
p < .0001; H<sup>2</sup> = 14.3, I<sup>2</sup> = 93.0%)

RE Model for All Studies

(T<sup>2</sup> = 0.0020, df = 37, Q = 513.94,  
p < .0001; H<sup>2</sup> = 13.9, I<sup>2</sup> = 92.8%)

Test for Subgroup Differences

(T<sup>2</sup> = 0.0021, df = 2, Q<sub>M</sub> = 0.38,  
p = 0.6888; H<sup>2</sup> = 14.5, I<sup>2</sup> = 93.1%)

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

H-TCH ESBL-EC 0.11% 0.73 [ 0.22, 1.23]  
H-SIRS ESBL-En 2.91% 0.11 [ 0.06, 0.16]  
H-TCH ESBL-En 3.27% 0.13 [ 0.09, 0.16]  
H-UTI ESBL-EC 2.78% 0.03 [-0.03, 0.08]  
H-TCH ESBL-EC 3.62% 0.01 [-0.01, 0.03]  
H-TCH ESBL-EC 3.54% 0.01 [-0.01, 0.04]

0.06 [-0.03, 0.16]

H-Pe ACBL-KP 1.36% 0.44 [ 0.33, 0.56]  
H-Pe ACBL-EC 3.68% 0.01 [-0.01, 0.02]  
H-TCH ACBL-En 3.29% 0.01 [-0.02, 0.05]

0.13 [-0.46, 0.71]

H-ICU KP 0.23% 0.50 [ 0.15, 0.85]  
H-TCH EC 2.85% 0.07 [ 0.02, 0.12]  
H-UTI En 3.58% 0.03 [ 0.01, 0.06]  
H-Pe En 0.65% 0.45 [ 0.26, 0.64]  
H-Pe En 2.88% 0.11 [ 0.06, 0.16]  
H-TCH NS-En 3.74% 0.04 [ 0.03, 0.05]  
H-TCH EC 1.17% 0.33 [ 0.20, 0.46]  
H-TCH KP 2.28% 0.14 [ 0.06, 0.21]  
H-TCH En 3.52% 0.09 [ 0.07, 0.12]  
H-S,B,T En 3.55% 0.01 [-0.02, 0.03]  
H-UTI En 3.69% 0.03 [ 0.01, 0.04]  
H-Pe En 3.62% 0.12 [ 0.10, 0.14]  
H-TCH SE 3.30% 0.04 [ 0.00, 0.07]  
H-ICU En 1.88% 0.21 [ 0.12, 0.29]  
H-UTI En 1.94% 0.16 [ 0.07, 0.24]  
H-ICU En 1.89% 0.29 [ 0.20, 0.38]  
H-TCH En 1.44% 0.20 [ 0.09, 0.31]  
H-Pe En 3.68% 0.07 [ 0.05, 0.08]  
H-TCH SE 3.76% 0.00 [-0.01, 0.01]  
H-CDS En 3.76% 0.02 [ 0.01, 0.03]  
H-UTI En 3.57% 0.03 [ 0.01, 0.05]  
H-TCH En 1.20% 0.24 [ 0.11, 0.36]  
H-TCH En 2.52% 0.19 [ 0.13, 0.25]  
H-Pe KP 1.92% 0.20 [ 0.12, 0.29]  
H-CDS EC 3.75% 0.01 [-0.00, 0.02]  
H-Hs,NHs NS-En 2.59% 0.18 [ 0.13, 0.24]  
H-UTI En 3.38% 0.09 [ 0.05, 0.12]  
H-TCH KP 2.21% 0.13 [ 0.06, 0.20]  
H-ACT En 0.91% 0.19 [ 0.04, 0.35]

0.10 [0.06, 0.13]

100.00% 0.09 [ 0.06, 0.12]

-0.5 0.0 0.5 1.0 1.5

Incidence Rate