

*Enterobacteriaceae* + Non-*Enterobacteriaceae*  
Subgroups/Author(s)

Sample      Trait-Species      Weight% Pr|95% CI|

SGI – Fosfomycin Resistance in Carbapenem Resistant Isolates

Qamar et al., 2017  
Javed et al., 2016  
Qamar et al., 2015  
Sultan et al., 2013  
Perry et al., 2011

RE Model for Subgroup

( $\tau^2 = 0.0068$ ,  $df = 4$ ,  $Q = 48.66$ ,  
 $p < .0001$ ;  $H^2 = 12.2$ ,  $I^2 = 91.8\%$ )

SGII – Fosfomycin Resistance in Naïve Isolates (SG2)

Baloch et al., 2019  
Sattar et al., 2019  
S. Fatima et al., 2019  
Qadeer et al., 2016  
Habeeb et al., 2013  
Nazir et al., 2011

RE Model for Subgroup

( $\tau^2 = 0.0012$ ,  $df = 5$ ,  $Q = 19.90$ ,  
 $p = 0.0013$ ;  $H^2 = 4.0$ ,  $I^2 = 74.9\%$ )

RE Model for All Studies

( $\tau^2 = 0.0022$ ,  $df = 10$ ,  $Q = 68.77$ ,  
 $p < .0001$ ;  $H^2 = 6.9$ ,  $I^2 = 85.5\%$ )

Test for Subgroup Differences

( $\tau^2 = 0.0031$ ,  $df = 1$ ,  $Q_M = 1.38$ ,  
 $p = 0.2696$ ;  $H^2 = 7.6$ ,  $I^2 = 86.9\%$ )

SGIII – Carbapenem Resistance in Naïve Isolates (SG2)

Baloch et al., 2019  
Sattar et al., 2019  
S. Fatima et al., 2019  
Qadeer et al., 2016  
Habeeb et al., 2013  
Nazir et al., 2011

RE Model for All Studies

( $\tau^2 = 0.0020$ ,  $df = 5$ ,  $Q = 40.39$ ,  
 $p < .0001$ ;  $H^2 = 8.1$ ,  $I^2 = 87.6\%$ )

RE Model for All Studies (Fig. S2)

( $\tau^2 = 0.0010$ ,  $df = 69$ ,  $Q = 3678.83$ ,  
 $p < .0001$ ;  $H^2 = 53.3$ ,  $I^2 = 98.1\%$ )

H-TCH	CR-En	10.29%	0.12 [ 0.08, 0.17]
H-Pe	CR-En	7.45%	0.20 [ 0.13, 0.28]
H-Pe	CR-GNR	12.22%	0.01 [-0.01, 0.02]
H-TCH	CR-En	3.19%	0.16 [ 0.00, 0.32]
H-Hs,NHs	CP-En	8.70%	0.06 [ 0.00, 0.12]

0.10 [0.00, 0.20]

Po	EC	5.33%	0.04 [-0.07, 0.15]
H-UTI	En	11.39%	0.06 [ 0.03, 0.09]
H-CDS	ESBL-GNR	9.52%	0.06 [ 0.01, 0.11]
H-ICU	En	8.91%	0.13 [ 0.07, 0.19]
H-TCH	ESBL-En	11.11%	0.02 [-0.01, 0.06]
H-UTI	EC	11.88%	0.01 [-0.01, 0.03]

0.05 [0.01, 0.10]

100.00% 0.07 [ 0.03, 0.11]

Po	EC	3.32%	0.15 [-0.06, 0.37]
H-UTI	En	22.06%	0.03 [ 0.01, 0.06]
H-CDS	ESBL-GNR	9.28%	0.04 [-0.00, 0.08]
H-ICU	En	11.60%	0.29 [ 0.20, 0.38]
H-TCH	ESBL-En	21.82%	0.01 [-0.01, 0.04]
H-UTI	EC	21.92%	0.01 [-0.01, 0.03]

100.00% 0.06 [-0.04, 0.16]

100.00% 0.11 [ 0.07, 0.15]

