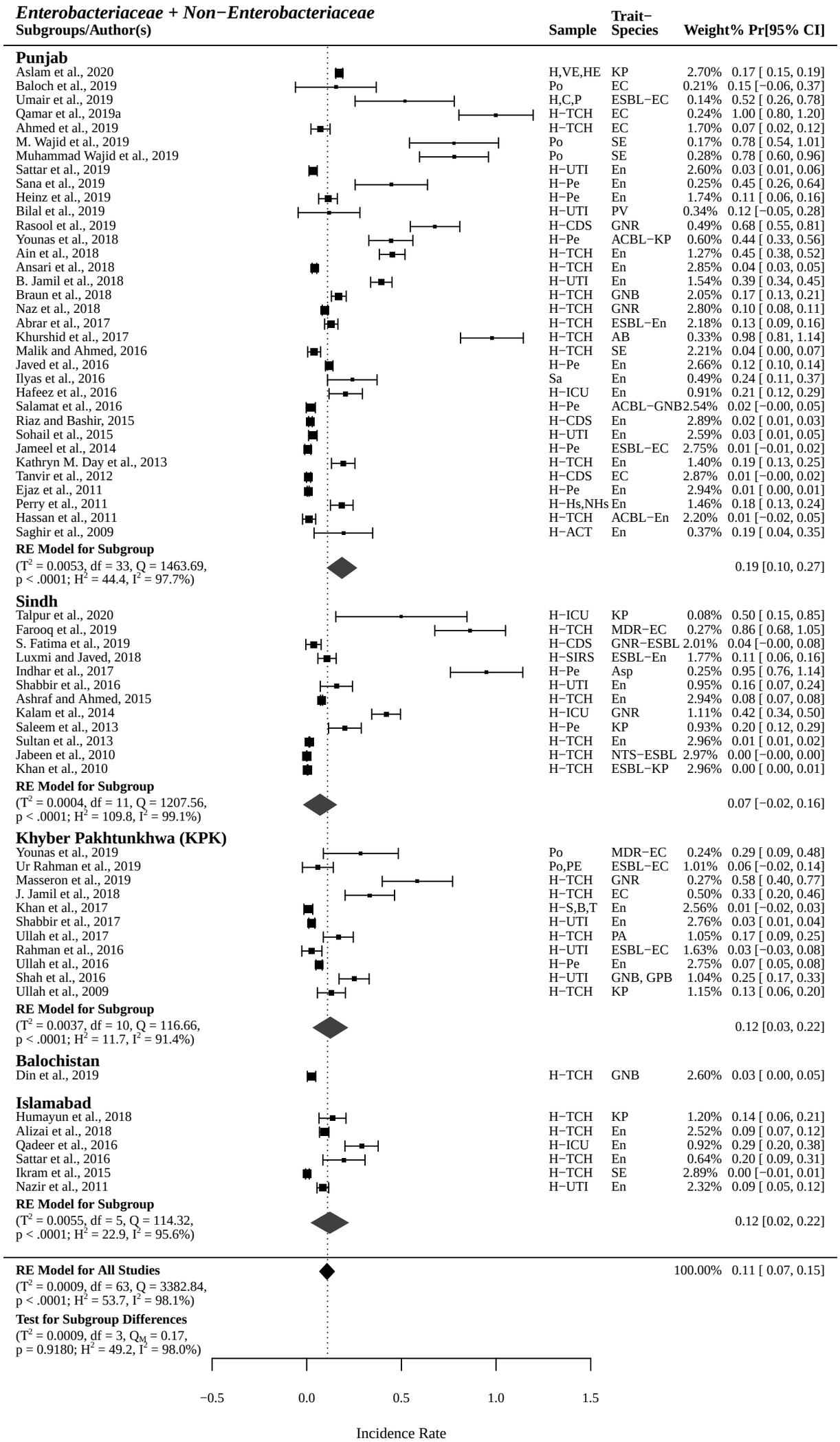
Enterobacteriaceae + Non−Enterobacteriaceae
Subgroups/Author(s)
Sample
Trait−Species
Weight% Pr[95% CI]
Punjab
Aslam et al., 2020 H,VE,HE KP 2.70% 0.17 [ 0.15, 0.19]
Baloch et al., 2019 Po EC 0.21% 0.15 [−0.06, 0.37]
Umair et al., 2019 H,C,P ESBL−EC 0.14% 0.52 [ 0.26, 0.78]
Qamar et al., 2019a H−TCH EC 0.24% 1.00 [ 0.80, 1.20]
Ahmed et al., 2019 H−TCH EC 1.70% 0.07 [ 0.02, 0.12]
M. Wajid et al., 2019 Po SE 0.17% 0.78 [ 0.54, 1.01]
Muhammad Wajid et al., 2019 Po SE 0.28% 0.78 [ 0.60, 0.96]
Sattar et al., 2019 H−UTI En 2.60% 0.03 [ 0.01, 0.06]
Sana et al., 2019 H−Pe En 0.25% 0.45 [ 0.26, 0.64]
Heinz et al., 2019 H−Pe En 1.74% 0.11 [ 0.06, 0.16]
Bilal et al., 2019 H−UTI PV 0.34% 0.12 [−0.05, 0.28]
Rasool et al., 2019 H−CDS GNR 0.49% 0.68 [ 0.55, 0.81]
Younas et al., 2018 H−Pe ACBL−KP 0.60% 0.44 [ 0.33, 0.56]
Ain et al., 2018 H−TCH En 1.27% 0.45 [ 0.38, 0.52]
Ansari et al., 2018 H−TCH En 2.85% 0.04 [ 0.03, 0.05]
B. Jamil et al., 2018 H−UTI En 1.54% 0.39 [ 0.34, 0.45]
Braun et al., 2018 H−TCH GNB 2.05% 0.17 [ 0.13, 0.21]
Naz et al., 2018 H−TCH GNR 2.80% 0.10 [ 0.08, 0.11]
Abrar et al., 2017 H−TCH ESBL−En 2.18% 0.13 [ 0.09, 0.16]
Khurshid et al., 2017 H−TCH AB 0.33% 0.98 [ 0.81, 1.14]
Malik and Ahmed, 2016 H−TCH SE 2.21% 0.04 [ 0.00, 0.07]
Javed et al., 2016 H−Pe En 2.66% 0.12 [ 0.10, 0.14]
Ilyas et al., 2016 Sa En 0.49% 0.24 [ 0.11, 0.37]
Hafeez et al., 2016 H−ICU En 0.91% 0.21 [ 0.12, 0.29]
Salamat et al., 2016 H−Pe ACBL−GNB 2.54% 0.02 [−0.00, 0.05]
Riaz and Bashir, 2015 H−CDS En 2.89% 0.02 [ 0.01, 0.03]
Sohail et al., 2015 H−UTI En 2.59% 0.03 [ 0.01, 0.05]
Jameel et al., 2014 H−Pe ESBL−EC 2.75% 0.01 [−0.01, 0.02]
Kathryn M. Day et al., 2013 H−TCH En 1.40% 0.19 [ 0.13, 0.25]
Tanvir et al., 2012 H−CDS EC 2.87% 0.01 [−0.00, 0.02]
Ejaz et al., 2011 H−Pe En 2.94% 0.01 [ 0.00, 0.01]
Perry et al., 2011 H−Hs,NHs En 1.46% 0.18 [ 0.13, 0.24]
Hassan et al., 2011 H−TCH ACBL−En 2.20% 0.01 [−0.02, 0.05]
Saghir et al., 2009 H−ACT En 0.37% 0.19 [ 0.04, 0.35]
RE Model for Subgroup
(T² = 0.0053, df = 33, Q = 1463.69, p < .0001; H² = 44.4, I² = 97.7%) 0.19 [0.10, 0.27]
Sindh
Talpur et al., 2020 H−ICU KP 0.08% 0.50 [ 0.15, 0.85]
Farooq et al., 2019 H−TCH MDR−EC 0.27% 0.86 [ 0.68, 1.05]
S. Fatima et al., 2019 H−CDS GNR−ESBL 2.01% 0.04 [−0.00, 0.08]
Luxmi and Javed, 2018 H−SIRS ESBL−En 1.77% 0.11 [ 0.06, 0.16]
Indhar et al., 2017 H−Pe Asp 0.25% 0.95 [ 0.76, 1.14]
Shabbir et al., 2016 H−UTI En 0.95% 0.16 [ 0.07, 0.24]
Ashraf and Ahmed, 2015 H−TCH En 2.94% 0.08 [ 0.07, 0.08]
Kalam et al., 2014 H−ICU GNR 1.11% 0.42 [ 0.34, 0.50]
Saleem et al., 2013 H−Pe KP 0.93% 0.20 [ 0.12, 0.29]
Sultan et al., 2013 H−TCH En 2.96% 0.01 [ 0.01, 0.02]
Jabeen et al., 2010 H−TCH NTS−ESBL 2.97% 0.00 [−0.00, 0.00]
Khan et al., 2010 H−TCH ESBL−KP 2.96% 0.00 [ 0.00, 0.01]
RE Model for Subgroup
(T² = 0.0004, df = 11, Q = 1207.56, p < .0001; H² = 109.8, I² = 99.1%) 0.07 [−0.02, 0.16]
Khyber Pakhtunkhwa (KPK)
Younas et al., 2019 Po MDR−EC 0.24% 0.29 [ 0.09, 0.48]
Ur Rahman et al., 2019 Po,PE ESBL−EC 1.01% 0.06 [−0.02, 0.14]
Masseron et al., 2019 H−TCH GNR 0.27% 0.58 [ 0.40, 0.77]
J. Jamil et al., 2018 H−TCH EC 0.50% 0.33 [ 0.20, 0.46]
Khan et al., 2017 H−S,B,T En 2.56% 0.01 [−0.02, 0.03]
Shabbir et al., 2017 H−UTI En 2.76% 0.03 [ 0.01, 0.04]
Ullah et al., 2017 H−TCH PA 1.05% 0.17 [ 0.09, 0.25]
Rahman et al., 2016 H−UTI ESBL−EC 1.63% 0.03 [−0.03, 0.08]
Ullah et al., 2016 H−Pe En 2.75% 0.07 [ 0.05, 0.08]
Shah et al., 2016 H−UTI GNB, GPB 1.04% 0.25 [ 0.17, 0.33]
Ullah et al., 2009 H−TCH KP 1.15% 0.13 [ 0.06, 0.20]
RE Model for Subgroup
(T² = 0.0037, df = 10, Q = 116.66, p < .0001; H² = 11.7, I² = 91.4%) 0.12 [0.03, 0.22]
Balochistan
Din et al., 2019 H−TCH GNB 2.60% 0.03 [ 0.00, 0.05]
Islamabad
Humayun et al., 2018 H−TCH KP 1.20% 0.14 [ 0.06, 0.21]
Alizai et al., 2018 H−TCH En 2.52% 0.09 [ 0.07, 0.12]
Qadeer et al., 2016 H−ICU En 0.92% 0.29 [ 0.20, 0.38]
Sattar et al., 2016 H−TCH En 0.64% 0.20 [ 0.09, 0.31]
Ikram et al., 2015 H−TCH SE 2.89% 0.00 [−0.01, 0.01]
Nazir et al., 2011 H−UTI En 2.32% 0.09 [ 0.05, 0.12]
RE Model for Subgroup
(T² = 0.0055, df = 5, Q = 114.32, p < .0001; H² = 22.9, I² = 95.6%) 0.12 [0.02, 0.22]
RE Model for All Studies
(T² = 0.0009, df = 63, Q = 3382.84, p < .0001; H² = 53.7, I² = 98.1%) 100.00% 0.11 [ 0.07, 0.15]
Test for Subgroup Differences
(T² = 0.0009, df = 3, Q_M = 0.17, p = 0.9180; H² = 49.2, I² = 98.0%)
−0.5
0.0
0.5
1.0
1.5
Incidence Rate