| Study                                      | RR (95% CI)   | Weight % | Sample |
|-------------------------------------------|---------------|----------|--------|
| Simondon (Senegal, 1997)                  | 0.47 (0.37, 0.61) | 4.78     | 3619   |
| Dahiya (India, 2009)                      | 1.00 (0.15, 6.51) | 2.32     | 21     |
| Ghanaie (Iran, 2010)                      | 0.20 (0.07, 0.58) | 3.61     | 328    |
| Lin (China, 2010)                         | 0.01 (0.00, 0.09) | 1.43     | 1001   |
| Medkova (Russian Federation, 2010)        | 0.37 (0.24, 0.59) | 4.57     | 172    |
| Nieto-Guevara (Panama, 2010)              | 0.01 (0.00, 0.06) | 3.04     | 759    |
| Astudillo (Colombia, 2011)                | 0.86 (0.41, 1.81) | 4.15     | 24     |
| Bokhari (Pakistan, 2011)                  | 0.09 (0.01, 1.65) | 1.35     | 802    |
| Gürsel (Turkey, 2012)                     | 0.18 (0.02, 1.47) | 2.07     | 51     |
| Ferronato (Brazil, 2013)                  | 0.31 (0.14, 0.72) | 4.01     | 57     |
| Karlı (Turkey, 2013)                      | 0.39 (0.10, 1.54) | 3.08     | 10     |
| Nikbin (Iran, 2013)                       | 0.12 (0.07, 0.23) | 4.36     | 779    |
| Ting (Malaysia, 2013)                     | 0.05 (0.03, 0.09) | 4.35     | 707    |
| Dinu (Romania, 2014)                      | 0.34 (0.12, 0.97) | 3.62     | 51     |
| Jusot (Niger, 2014)                       | 0.03 (0.00, 0.25) | 2.18     | 305    |
| Karagül (Turkey, 2014)                    | 0.21 (0.06, 0.72) | 3.31     | 214    |
| Liu (China, 2014)                         | 0.26 (0.11, 0.60) | 3.99     | 148    |
| Ochoa-Perez (Mexico, 2014)                | 0.27 (0.15, 0.49) | 4.40     | 147    |
| Sedaghat (Iran, 2014)                     | 0.21 (0.09, 0.51) | 3.95     | 347    |
| Wang (China, 2014)                        | 0.14 (0.09, 0.23) | 4.53     | 313    |
| Öksüz (Turkey, 2014)                      | 0.05 (0.02, 0.13) | 3.73     | 410    |
| Pimentel (Brazil, 2015)                   | 0.10 (0.01, 0.81) | 2.11     | 192    |
| Bailon (Peru, 2016)                       | 0.11 (0.07, 0.18) | 4.55     | 840    |
| Benamrouche (Algeria, 2016)               | 0.05 (0.02, 0.13) | 3.74     | 246    |
| Muloiwa (South Africa, 2016)              | 0.03 (0.00, 0.24) | 2.18     | 460    |
| Katfy (Morocco, 2017)                     | 0.21 (0.08, 0.55) | 3.79     | 156    |
| Ben Fraj (Tunisia, 2018)                  | 0.11 (0.06, 0.20) | 4.42     | 1844   |
| Mohammadzadeh (Iran, 2018)                | 0.22 (0.11, 0.46) | 4.18     | 184    |
| du Plessis (South Africa, 2018)           | 0.02 (0.00, 0.13) | 2.19     | 990    |
| Overall (I-squared = 85.2%, p = 0.000)    | 0.15 (0.10, 0.22) | 100.00   |        |

NOTE: Weights are from random effects analysis

Confirmation decreases with culture

Confirmation decreases with PCR