



| Study | Individuals (HC/AD) | Samples (HC/AD) | Weights (%) | SMD [95% CI] |
|----------------|---------------------|-----------------|-------------|----------------------|
| govindpani2020 | 6/6 | 96/96 | 6.813 | -1.20 [-1.73, -0.67] |
| kwakowsky2018 | 6/6 | 720/720 | 11.342 | 0.10 [-0.13, 0.34] |
| jansen1990 | 9/8 | 36/32 | 12.315 | -0.10 [-0.26, 0.07] |
| cross1986 | 13/13 | 26/26 | 11.515 | -0.72 [-0.95, -0.50] |
| howell2000 | 5/5 | 25/25 | 10.158 | -0.31 [-0.62, 0.00] |
| carlson1993 | 8/8 | 152/152 | 11.506 | -0.41 [-0.63, -0.19] |
| shimohama1988 | 7/7 | 48/42 | 9.741 | -0.73 [-1.06, -0.39] |
| cross1984 | 17/13 | 51/46 | 12.644 | -0.41 [-0.55, -0.27] |
| owen1983 | 12/10 | 12/10 | 3.634 | -0.88 [-1.77, 0.00] |
| griffiths1994 | 9/5 | 36/20 | 10.333 | -0.58 [-0.88, -0.28] |
| All studies | 92/81 | 1202/1169 | 100 | -0.46 [-0.66, -0.26] |

table3 – pvalue=0

