

| Source  | (95% CI)             |
|---|----------------------|
| <b>Primary = Melanoma</b>   |                      |
| Nathanson, n = 24   | -1.06 [-2.10; -0.02] |
| Riaz, n = 51  | -0.77 [-1.48; -0.06] |
| Van_Allen, n = 42   | -0.63 [-1.37; 0.11]  |
| Liu, n = 121  | -0.57 [-1.08; -0.06] |
| Hugo, n = 27  | 0.09 [-1.11; 1.29]   |
| Total   | -0.62 [-0.95; -0.30] |
| Heterogeneity: $\chi^2_4 = 2.25$ ( $P = .69$ ), $I^2 = 0\%$ [0%; 79%] |                      |

|  |                     |
|--|---------------------|
| <b>Primary = Other</b>   |                     |
| Mariathasan, Lymph_node, n = 26  | -0.60 [-1.54; 0.34] |
| Fumet.2, Lung, n = 43  | -0.47 [-1.27; 0.33] |
| Snyder, Ureteral, n = 25   | -0.35 [-1.31; 0.61] |
| Mariathasan, Bladder, n = 194  | -0.18 [-0.53; 0.17] |
| Mariathasan, Ureteral, n = 26  | 1.09 [ 0.07; 2.11]  |
| Total  | -0.15 [-0.58; 0.27] |
| Heterogeneity: $\chi^2_4 = 7.35$ ( $P = .12$ ), $I^2 = 46\%$ [0%; 80%] |                     |

|  |                      |
|--|----------------------|
| <b>Primary = Kidney</b>  |                      |
| Miao.1, n = 33   | -0.25 [-1.09; 0.59]  |
| Mariathasan, n = 67  | 0.01 [-0.56; 0.58]   |
| Braun, n = 178   | 0.20 [-0.19; 0.59]   |
| Total  | 0.09 [-0.21; 0.39]   |
| Heterogeneity: $\chi^2_2 = 1$ ( $P = .61$ ), $I^2 = 0\%$ [0%; 90%]         |                      |
| Total  | -0.25 [-0.50; -0.01] |
| Heterogeneity: $\chi^2_{12} = 20.58$ ( $P = .06$ ), $I^2 = 42\%$ [0%; 70%] |                      |
| Test for overall effect: $z = -2.04$ ( $P = .04$ )                         |                      |
| Test for subgroup differences: $\chi^2_2 = 9.96$ ( $P = .007$ )            |                      |

