## (95% CI) Source

# **Primary = Kidney**

Mariathasan, n = 46-19.12 [-4414.08; 4375.84] -0.88 [ -1.64; -0.12] Braun, n = 139Miao.1, n = 280.86[-0.73; 2.45]-0.15 [ -1.84; 1.53] Total

Heterogeneity:  $\chi_2^2 = 3.75$  (P = .15),  $I^2 = 47\%$  [0%; 84%]

# **Primary = Lung**

-3.23 [ -5.43; -1.03] Fumet.2, n = 41Jung, n = 26-2.64 [ -4.95; -0.33] -0.18 [ -1.57; 1.21] Fumet.1, n = 39-1.84 [ -3.82; 0.14] Total Heterogeneity:  $\chi_2^2 = 6.73$  (P = .03),  $I^2 = 70\%$  [0%; >91%]

# **Primary = Melanoma**

Liu, n = 112-2.01 [ -2.85; -1.17]  $Van\_Allen, n = 39$ -1.52 [ -3.24; 0.20] Riaz, n = 33-1.11 [ -2.70; 0.48] Nathanson, n = 24-0.69 [ -2.34; 0.96] -0.44 [ -1.97; 1.09] Hugo, n = 27-1.33 [ -2.04; -0.62] Total Heterogeneity:  $\chi_A^2 = 4.37 \ (P = .36), I^2 = 9\% \ [0\%; 81\%]$ 

# **Primary = Other**

Mariathasan, Bladder, n = 133 - 1.96 [ -2.82; -1.10] Snyder, Ureteral, n = 22-0.80 [ -2.58; 0.98] -1.08 [ -1.72; -0.44] Total Heterogeneity:  $\chi_{10}^2 = 18.83 \ (P = .04), \ I^2 = 47\% \ [0\%; 74\%]$ Test for overall effect: z = -3.30 (P < .001)

Test for subgroup differences:  $\chi_2^2 = 2.01$  (P = .37)

