## Source (95% CI)

## Primary = Melanoma

-1.51 [-2.33; -0.69] Van Allen, n = 42Riaz, n = 51-0.57 [-1.20; 0.06] Liu, n = 121-0.37 [-0.76; 0.02] Hugo, n = 270.24 [-0.76; 1.24] Total -0.56 [-1.17; 0.04] Heterogeneity:  $\chi_3^2 = 8.36$  (P = .04),  $I^2 = 64\%$  [0%; 88%]

## **Primary = Other**

Mariathasan, Lymph node, n = 26 - 0.39 [-1.10; 0.32]Mariathasan, Bladder, n = 194 -0.37 [-0.64; -0.10] Hwang, Lung, n = 21-0.32 [-1.26; 0.62] Fumet.2, Lung, n = 43-0.18 [-0.83; 0.47] Snyder, Ureteral, n = 25-0.08 [-0.88; 0.72] Mariathasan, Ureteral, n = 26 0.36 [-0.50; 1.22] -0.28[-0.50; -0.07]Total Heterogeneity:  $\chi_5^2 = 2.96 \ (P = .71), \ I^2 = 0\% \ [0\%; 75\%]$ 

## **Primary = Kidney**

-0.15[-0.64; 0.34]Mariathasan, n = 67Miao.1, n = 330.03 [-0.70; 0.76] Braun, n = 1780.13 [-0.22; 0.48] 0.03 [-0.23; 0.30] Total Heterogeneity:  $\chi_2^2 = 0.83 \ (P = .66), \ I^2 = 0\% \ [0\%; 90\%]$ -0.24 [-0.44; -0.05] Total Heterogeneity:  $\chi_{12}^2 = 19.51 \ (P = .08), \ I^2 = 38\% \ [0\%; 68\%]$ Test for overall effect: z = -2.45 (P = .01) Test for subgroup differences:  $\chi_2^2 = 4.89 \ (P = .09)$ 

