Source (95% CI) **Primary = Melanoma**

-1.36 [-2.46; -0.26] Nathanson, n = 24 $Van_Allen, n = 42$ -0.94 [-1.70; -0.18] Liu, n = 121-0.47 [-0.98; 0.04] Riaz, n = 51-0.29 [-0.98; 0.40] 0.19 [-0.97; 1.35] Hugo, n = 27Total -0.54 [-0.87; -0.21]

Heterogeneity: $\chi_A^2 = 5.31 \ (P = .26), I^2 = 25\% \ [0\%; 70\%]$

Primary = Other

Snyder, Ureteral, n = 25-0.77 [-1.75; 0.21] Mariathasan, Bladder, n = 194 -0.46 [-0.81; -0.11] Mariathasan, Lymph_node, n = 26 - 0.41 [-1.35; 0.53]Fumet.2, Lung, n = 43-0.18 [-0.96; 0.60] Mariathasan, Ureteral, n = 260.49 [-0.47; 1.45] -0.37 [-0.64; -0.09] Total

Heterogeneity: $\chi_A^2 = 4.2 \ (P = .38), \ I^2 = 5\% \ [0\%; 80\%]$

Primary = Kidney

-0.14 [-0.71; 0.43] Mariathasan, n = 67Miao.1, n = 33-0.07 [-0.91; 0.77] Braun, n = 1780.39 [0.00; 0.78] Total 0.14 [-0.26; 0.53] Heterogeneity: $\chi_2^2 = 2.66$ (P = .26), $I^2 = 25\%$ [0%; 92%]

-0.27 [-0.53; -0.01] Total

Heterogeneity: $\chi_{12}^2 = 23.73 \ (P = .02), \ I^2 = 49\% \ [4\%; 73\%]$

Test for overall effect: z = -2.04 (P = .04)

Test for subgroup differences: $\chi_2^2 = 6.92$ (P = .03)

