## Source (95% CI)

## **Primary = Melanoma**

-0.94 [-1.76; -0.12] Nathanson, n = 24 $Van_Allen, n = 42$ -0.91 [-1.60; -0.22] -0.61 [-1.26; 0.04] Riaz, n = 51-0.33 [-0.74; 0.08] Liu, n = 1210.24 [-0.74; 1.22] Hugo, n = 27Total -0.51 [-0.83; -0.20] Heterogeneity:  $\chi_4^2 = 5.43$  (P = .25),  $I^2 = 26\%$  [0%; 71%]

## **Primary = Other**

Snyder, Ureteral, n = 25-0.54 [-1.27; 0.19] Mariathasan, Lymph\_node, n = 26 - 0.49 [-1.29; 0.31]Mariathasan, Bladder, n = 194 -0.42[-0.69; -0.15]-0.33 [-0.94; 0.28] Fumet.2, Lung, n = 43Mariathasan, Ureteral, n = 260.57 [-0.19; 1.33] -0.31 [-0.59; -0.03] Total Heterogeneity:  $\chi_4^2 = 6.2 \ (P = .18), \ I^2 = 35\% \ [0\%; 76\%]$ 

## **Primary = Kidney**

-0.17 [-0.66; 0.32] Mariathasan, n = 67-0.05 [-0.76; 0.66] Miao.1, n = 33Braun, n = 1780.16 [-0.17; 0.49] 0.04 [-0.21; 0.30] Total Heterogeneity:  $\chi_2^2 = 1.27 \ (P = .53), \ I^2 = 0\% \ [0\%; 90\%]$ -0.28 [-0.49; -0.08] Total Heterogeneity:  $\chi_{12}^2 = 21.65 \ (P = .04), \ I^2 = 45\% \ [0\%; 71\%]$ Test for overall effect: z = -2.68 (P = .007) Test for subgroup differences:  $\chi_2^2 = 7.79 \ (P = .02)$ 

