## Source (95% CI)

## **Primary = Melanoma**

 $Van_Allen, n = 42$ -1.29[-2.21; -0.37]-0.83 [-1.65; -0.01] Nathanson, n = 24Riaz, n = 51-0.53 [-1.16; 0.10] -0.35 [-0.84; 0.14] Liu, n = 121Hugo, n = 270.27 [-0.96; 1.50] Total -0.54 [-0.85; -0.22]

Heterogeneity:  $\chi_4^2 = 5.25$  (P = .26),  $I^2 = 24\%$  [0%; 69%]

## **Primary = Other**

Hwang, Lung, n = 21-0.96 [-2.51; 0.59] Mariathasan, Lymph\_node, n = 26 - 0.79 [-1.69; 0.11]Snyder, Ureteral, n = 25-0.54 [-1.62; 0.54] -0.36 [-0.67; -0.05] Mariathasan, Bladder, n = 194 -0.29 [-1.17; 0.59] Fumet.2, Lung, n = 43Mariathasan, Ureteral, n = 260.40 [-0.56; 1.36] -0.36 [-0.62; -0.10] Total

Heterogeneity:  $\chi_5^2 = 3.99 \ (P = .55), \ I^2 = 0\% \ [0\%; 75\%]$ 

## **Primary = Kidney**

Mariathasan, n = 67-0.10 [-0.67; 0.47] Miao.1, n = 33-0.09 [-0.95; 0.77] Braun, n = 1780.21 [-0.20; 0.62] 0.08 [-0.23; 0.39] Total Heterogeneity:  $\chi_2^2 = 0.92$  (P = .63),  $I^2 = 0\%$  [0%; 90%] -0.31 [-0.53; -0.09] Total Heterogeneity:  $\chi_{13}^2 = 18.17$  (P = .15),  $I^2 = 28\%$  [0%; 62%]

Test for overall effect: z = -2.75 (P = .006)

Test for subgroup differences:  $\chi_2^2 = 8.01$  (P = .02)

