#### (95% CI) Source **Primary = Lung**

-2.45[-4.16; -0.74]Fumet.2, n = 41**-1.55** [**-3.41**; 0.31] Jung, n = 26Fumet.1, n = 39-0.33 [-1.72; 1.06] -1.36 [-2.65; -0.07] Total

Heterogeneity:  $\chi_2^2 = 3.68 \ (P = .16), \ I^2 = 46\% \ [0\%; 84\%]$ 

### **Primary = Kidney**

Mariathasan, n = 46-2.35[-4.53; -0.17]Miao.1, n = 28-0.63 [-2.20; 0.94] Braun, n = 139-0.06 [-0.80; 0.68] -0.66 [-1.79; 0.46] Total Heterogeneity:  $\chi_2^2 = 3.95 \ (P = .14), \ I^2 = 49\% \ [0\%; 85\%]$ 

# **Primary = Other**

Snyder, Ureteral, n = 22-1.69 [-3.63; 0.25] Mariathasan, Bladder, n = 133 - 1.43 [-2.21; -0.65]

## **Primary = Melanoma**

-1.44[-3.18; 0.30]Nathanson, n = 24-1.29 [-2.88; 0.30] Riaz, n = 33-1.26 [-2.04; -0.48] Liu, n = 112 $Van_Allen, n = 39$ -0.96 [-2.53; 0.61] Hugo, n = 27-0.44 [-1.97; 1.09] -1.13 [-1.69; -0.57] Total Heterogeneity:  $\chi_4^2 = 1.09 \ (P = .90), \ I^2 = 0\% \ [0\%; 79\%]$ -0.97[-1.46; -0.48]Total Heterogeneity:  $\chi_{10}^2 = 12.74$  (P = .24),  $I^2 = 22\%$  [0%; 61%] Test for overall effect: z = -3.89 (P < .001)Test for subgroup differences:  $\chi_2^2 = 0.74$  (P = .69)

