## Source (95% CI)

## **Primary = Melanoma**

Van_Allen, n = 42	-0.93 [-1.56; -0.30]
Nathanson, $n = 24$	-0.86 [-1.66; -0.06]
Riaz, $n = 51$	-0.30 [-0.87; 0.27]
Liu, n = 121	-0.26 [-0.65; 0.13]
Hugo, $n = 27$	0.39 [-0.63; 1.41]
Total	-0.43 [-0.77; -0.08]

Heterogeneity:  $\chi_4^2 = 6.92$  (P = .14),  $I^2 = 42\%$  [0%; 79%]

## **Primary = Other**

Fumet.2, Lung, n = 43	-0.36 [-0.97; 0.25]
Hwang, Lung, n = 21	-0.35 [-1.27; 0.57]
Mariathasan, Bladder, n = 194	-0.28 [-0.55; -0.01]
Snyder, Ureteral, n = 25	-0.25 [-1.03; 0.53]
Mariathasan, Lymph_node, n = 26	-0.22 [-0.96; 0.52]
Mariathasan, Ureteral, n = 26	0.40 [-0.38; 1.18]
Total	-0.24 [-0.45; -0.02]
Heterogeneity: $\gamma_{2}^{2} = 2.85 (P = .72) I^{2}$	= 0% [0%: 75%]

## **Primary = Kidney**

Miao.1, n = 33	-0.01 [-0.68; 0.66]	
Mariathasan, n = 67	0.04 [-0.43; 0.51]	
Braun, n = 178	0.13 [-0.20; 0.46]	
Total	0.08 [-0.17; 0.34]	
Heterogeneity: $\chi_2^2 = 0.18 \ (P = .91), \ I^2 = 0\% \ [0\%; 90\%]$		
Total	-0.20 [-0.36; -0.03]	
Heterogeneity: $\chi_{13}^2 = 17.30 \ (P = .19), \ I^2 = 25\% \ [0\%; 60\%]$		
Test for overall effect: $z = -2.27$ ( $P = .02$ )		
Test for subgroup differences: $\chi_2^2 = 6.36 \ (P = .04)$		

