## (95% CI) Source

## **Primary = Kidney**

Miao.1, n = 28-2.52 [-5.22; 0.18] -1.45 [-4.39; 1.49] Mariathasan, n = 46Braun, n = 139-0.70[-1.74; 0.34]-1.01 [-1.99; -0.04] Total

Heterogeneity:  $\chi_2^2 = 1.62 (P = .44), I^2 = 0\% [0\%; 90\%]$ 

## **Primary = Lung**

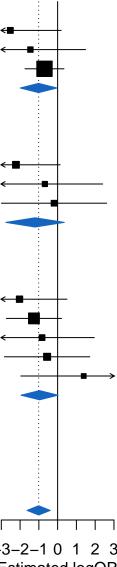
Fumet.2, n = 41-2.22 [-4.57; 0.13] Jung, n = 26-0.68 [-3.76; 2.40] Fumet.1, n = 39-0.19 [-2.99; 2.61] -1.20[-2.76; 0.35]Total Heterogeneity:  $\chi_2^2 = 1.33 \ (P = .51), \ I^2 = 0\% \ [0\%; 90\%]$ 

## **Primary = Melanoma**

Riaz, n = 33-2.03 [-4.56; 0.50] Liu, n = 112-1.26 [-2.73; 0.21]  $Van_Allen, n = 39$ -0.83 [-3.61; 1.95] Nathanson, n = 24-0.56 [-2.83; 1.71] Hugo, n = 271.39 [-1.96; 4.74] -0.96 [-1.95; 0.02] Total Heterogeneity:  $\chi_A^2 = 2.86 \ (P = .58), I^2 = 0\% \ [0\%; 79\%]$ 

**Primary = Other** 

Mariathasan, Bladder,  $n = 133 \ 0.88 \ [-0.26; \ 2.02]$ Snyder, Ureteral, n = 221.20 [-1.17; 3.57] -1.01 [-1.63; -0.39] Total Heterogeneity:  $\chi_{10}^2 = 5.89 \ (P = .82), \ I^2 = 0\% \ [0\%; 60\%]$ Test for overall effect: z = -3.21 (P = .001) Test for subgroup differences:  $\chi_2^2 = 0.07$  (P = .97)



-3-2-10 1 2 3 Estimated logOR