(95% CI) Source **Primary = Melanoma** -1.48 [-2.28; -0.68] Van Allen, n = 42Nathanson, n = 24-0.98 [-1.90; -0.06] Liu, n = 121-0.93[-1.42; -0.44]Riaz, n = 51-0.41 [-1.02; 0.20] -0.40 [-1.50; 0.70] Hugo, n = 27Total -0.84 [-1.21; -0.47] Heterogeneity: $\chi_4^2 = 5.2 \ (P = .27), \ I^2 = 23\% \ [0\%; 68\%]$ **Primary = Other** Snyder, Ureteral, n = 25-1.15 [-2.33; 0.03] Mariathasan, Bladder, n = 194 -0.77[-1.08; -0.46]Mariathasan, Lymph_node, n = 26 -0.77 [-1.55; 0.01]-0.72 [-1.70; 0.26] Fumet.2, Lung, n = 43Mariathasan, Ureteral, n = 26-0.06 [-1.04; 0.92] -0.73[-1.00; -0.47]Total Heterogeneity: $\chi_A^2 = 2.36 \ (P = .67), \ I^2 = 0\% \ [0\%; 79\%]$ **Primary = Kidney** -0.41 [-0.90; 0.08] Mariathasan, n = 67Miao.1, n = 33-0.28 [-1.10; 0.54] Braun, n = 1780.32 [-0.09; 0.73] Total -0.08 [-0.59; 0.42]Heterogeneity: $\chi_2^2 = 5.44 (P = .07), I^2 = 63\% [0\%; 89\%]$ -0.58 [-0.86; -0.29] Total Heterogeneity: $\chi_{12}^2 = 30.71 \ (P = .002), \ I^2 = 61\% \ [28\%; 79\%]$ Test for overall effect: z = -3.97 (P < .001) 0

logHR estimate

Test for subgroup differences: $\chi_2^2 = 6.23$ (P = .04)