Source (95% CI) **Primary = Lung** Rizvi.15, n = 34-1.20 [-1.93: -0.47] -0.66 [-1.44; 0.12] Rizvi.18, n = 29-0.37 [-0.88; 0.14] Jung, n = 58Miao.2, n = 342.56 [-0.83; 5.95] -0.63 [-1.13; -0.12] Total Heterogeneity: $\chi_3^2 = 6.77$ (P = .08), $I^2 = 56\%$ [0%; 85%] **Primary = Other** Samstein, Unknown, n = 34 -0.73 [-1.46; 0.00]Snyder, Ureteral, n = 25-0.62 [-1.38; 0.14] Miao.2, Bladder, n = 27-0.55 [-2.22; 1.12] Samstein, Esophagus, n = 21 - 0.22 [-0.87; 0.43]Samstein, HNC, n = 78 -0.21 [-0.60; 0.18]Miao.1, Kidney, n = 35 -0.20 [-1.77; 1.37]Braun, Kidney, n = 249 -0.02 [-0.26; 0.22]-0.22 [-0.46; 0.02] Total Heterogeneity: $\chi_6^2 = 5.43 \ (P = .49), \ I^2 = 0\% \ [0\%; 71\%]$ **Primary = Melanoma** Samstein, n = 132-0.59 [-0.98; -0.20] Liu, n = 144-0.20 [-0.51; 0.11] Van Allen, n = 112-0.06 [-0.37; 0.25] Miao.2, n = 380.38 [-0.62; 1.38] -0.22 [-0.50; 0.06] Total Heterogeneity: $\chi_3^2 = 5.82$ (P = .12), $I^2 = 48\%$ [0%; 83%] -0.30 [-0.47; -0.12] Total Heterogeneity: $\chi_{14}^2 = 22.79 \ (P = .06), \ I^2 = 39\% \ [0\%; 67\%]$ Test for overall effect: z = -3.32 (P < .001) Test for subgroup differences: $\chi_2^2 = 2.20 \ (P = .33)$ D.Index estimate