## **Supplementary Online Content**

Cullinane C, Fleming C, O'Leary DP, et al. Association of circulating tumor DNA with disease-free survival in breast cancer: a systematic review and meta-analysis. *JAMA Netw Open.* 2020;3(11):e2026921. doi:10.1001/jamanetworkopen.2020.26921

**eFigure.** Subgroup Analysis of Post-Treatment Sampling. Elevated ctDNA Levels Associated With Worse DFS/RFS (HR 8.17, 95% CI 1.01-65.89, P > .05)

This supplementary material has been provided by the authors to give readers additional information about their work.

**eFigure.** Subgroup Analysis of Post-Treatment Sampling. Elevated ctDNA Levels Associated With Worse DFS/RFS (HR 8.17, 95% CI 1.01-65.89, P > .05)

				Hazard Ratio	Hazard Ratio
Study or Subgroup	log[Hazard Ratio]	SE	Weight	IV, Random, 95% CI	IV, Random, 95% CI
Chandarlapaty 2016	0.4824	0.1158	37.0%	1.62 [1.29, 2.03]	-
Chen 2017	2.5337	0.7221	31.8%	12.60 [3.06, 51.88]	
Coombes 2019	3.5779	0.7646	31.2%	35.80 [8.00, 160.21]	
Total (95% CI)			100.0%	8.17 [1.01, 65.89]	
Heterogeneity: Tau2 =	= 3.05; Chi <sup>2</sup> = 23.37,	df = 2 (P	< 0.0000	01); $I^2 = 91\%$	0.02 0.1 1 10 50
Test for overall effect	Z = 1.97 (P = 0.05)				Retter DES/RES Worse DES/RES