

## Supplementary Online Content

Gyawali B, Hey SP, Kesselheim AS. A comparison of response patterns for progression-free survival and overall survival following treatment for cancer with PD-1 inhibitors: a meta-analysis of correlation and differences in effect sizes. *JAMA Netw Open*. 2018;1(2):e180416. doi:10.1001/jamanetworkopen.2018.0416

**eTable.** Primary and Secondary Analysis Excluding and Including the 2 RCTs That Tested PD-1 Inhibitors in the Post-ipilimumab Setting

**eFigure 1.** Selection of Randomized Controlled Trials (RCTs) Included in the Analysis

**eFigure 2.** Correlation Between Median Overall Survival (OS) and Median Progression-Free Survival (PFS) in the RCTs of PD-1 Inhibitors

**eFigure 3.** Correlation Between Gain in Median Overall Survival and Gain in Median Progression-Free Survival in the RCTs of PD-1 Inhibitors

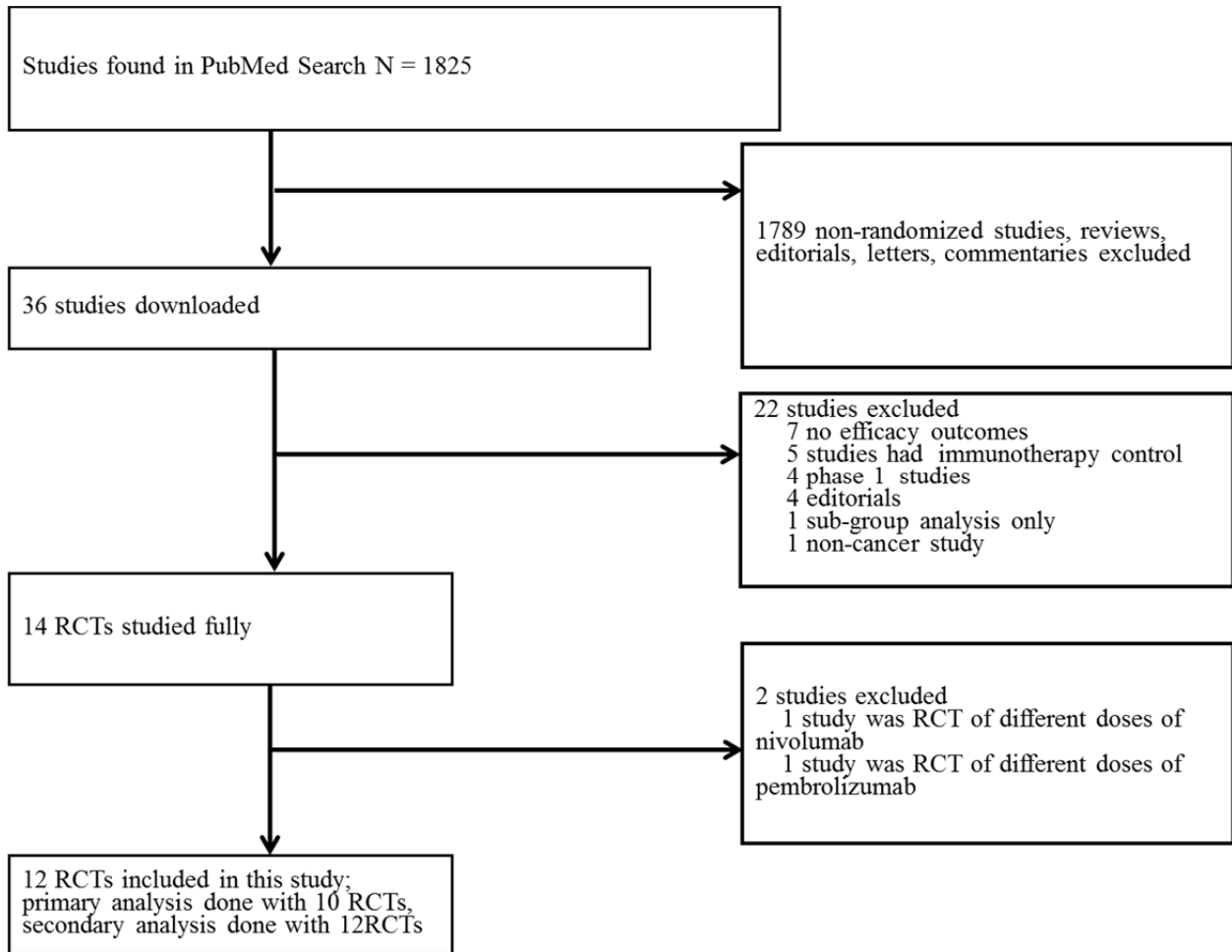
**eFigure 4.** Correlation Between Hazard Ratio (HR) of OS and HR of PFS in the RCTs of PD-1 Inhibitors

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

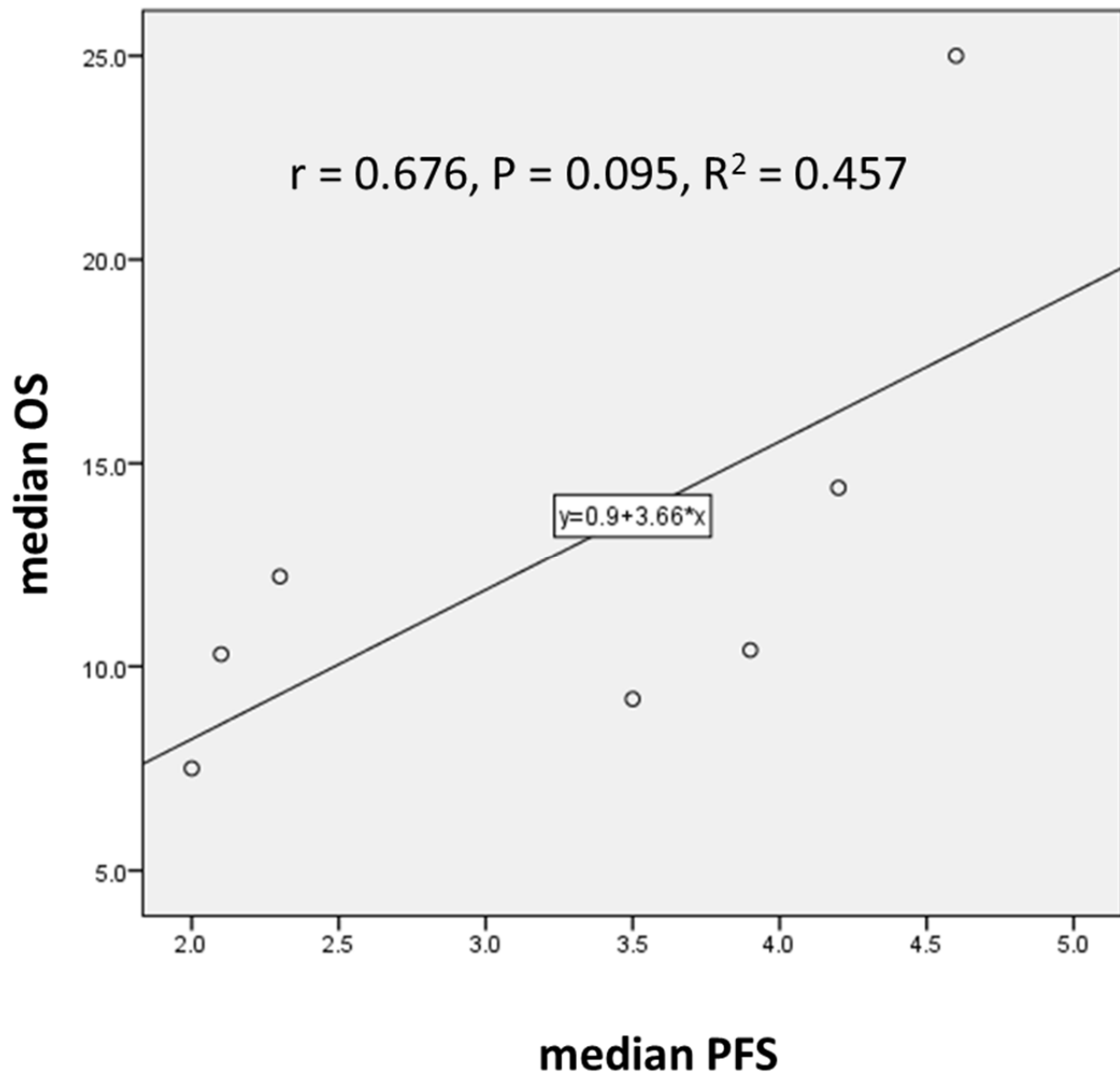
**eTable 1: Secondary analyses including trials from post-ipilimumab setting**

Setting	N of studies	Summary rHR	95% CI	P-value	Heterogeneity test
Immune checkpoint inhibitors naïve	10	1.178	1.060-1.309	0.002	Q=6.25, P = 0.72, I <sup>2</sup> = 0.0
Post-ipilimumab	2	0.833	0.652-1.065	0.146	Q =3.15, P = 0.08, I <sup>2</sup> = 68.25
Overall	12	1.099	0.975-1.239	0.123	Q= 15.82, P =0.148, I <sup>2</sup> =30.47

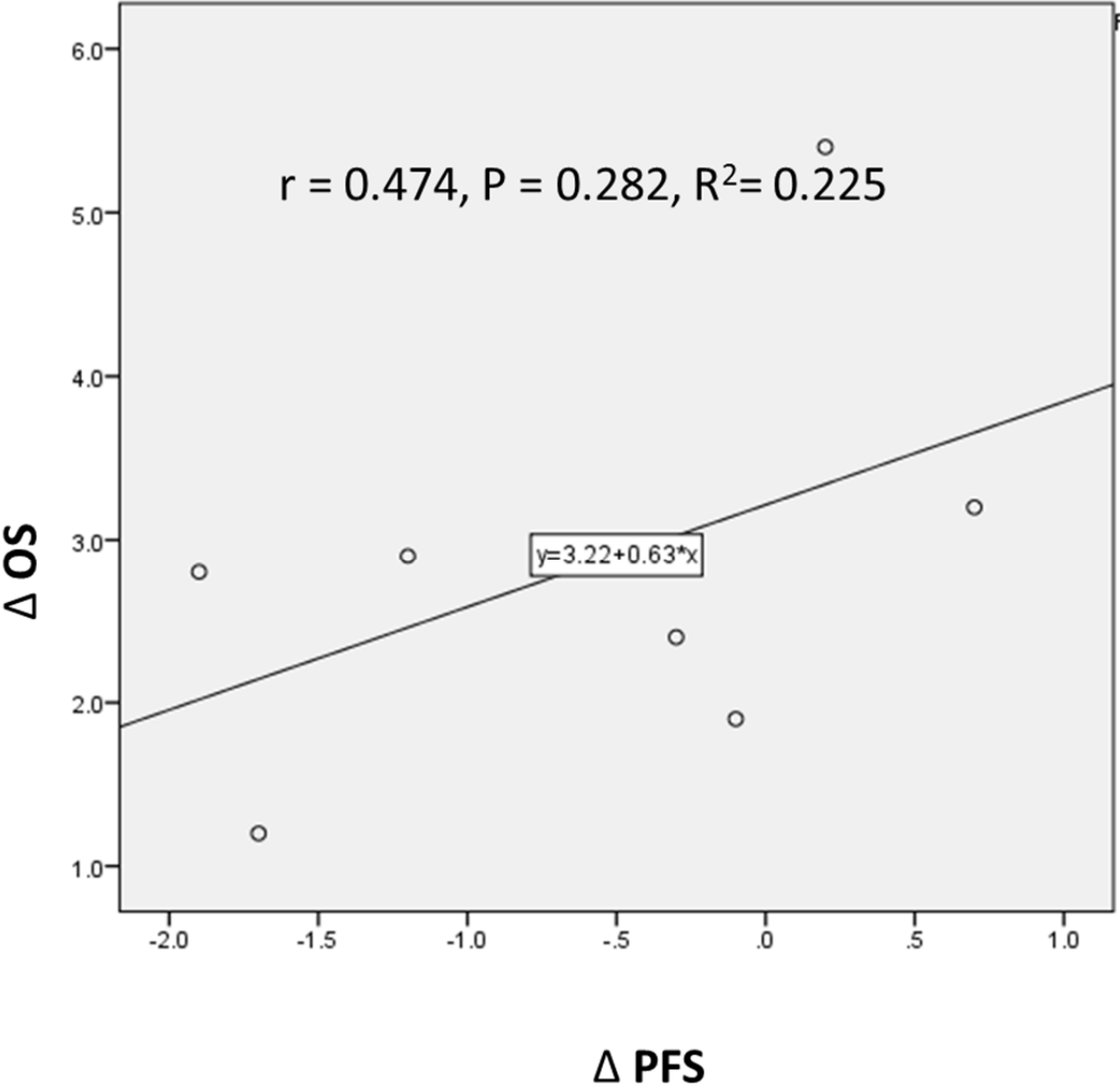
**eFigure 1: Selection of Randomized Controlled Trials (RCTs) included in the analysis.**



**eFigure 2: Correlation between median overall survival (OS) and median progression-free survival (PFS) in the RCTs of PD-1 inhibitors.**



**eFigure 3: Correlation between gain in median overall survival ( $\Delta OS$ ) and gain in median progression-free survival ( $\Delta PFS$ ) in the RCTs of PD-1 inhibitors**



eFigure 4: Correlation between hazard ratio (HR) of OS and HR of PFS in the RCTs of PD-1 inhibitors

