Predictors for overall survival	Hazard ratio for mortality (95% CI)	p value
Hypophysitis	0.52 (0.28 to 0.99)	0.0358
Age at ICI* initiation (y)	2.55 (1.53 to 4.26)	0.0003
Males	1.07 (0.89 to 1.29)	0.4402
Malignancy		<0.0001
• Lung vs leukemia/lymphoma	1.72 (1.28 to 2.30)	0.0003
• Lung vs melanoma	1.69 (1.33 to 2.14)	<0.0001
• Lung vs other**	1.06 (0.83 to 1.37)	0.6219
• Leukemia/lymphoma vs other**	0.62 (0.47 to 0.81)	0.0005
• Leukemia/lymphoma vs melanoma	0.98 (0.76 to 1.26)	0.8718
• Melanoma vs other**	0.63 (0.51 to 0.78)	<0.0001

Supplemental Table 2: Predictors for overall survival in ICI treated cancer patients. *ICI:

immune checkpoint inhibitor; **other: combination of various malignancies with n<100.