

**Supplementary Table 1.** Inclusion and exclusion criteria for patient cohort used to generate Table 2.

Ungrouped terms				
must have		demographics	Age	Age (at least 18 years (most recent occurrence))
Group 1				
Group 1A Lung Ca				
must have		diagnosis	UMLS:ICD10CM:C30-C39	Malignant neoplasms of respiratory and intrathoracic organs (at least 18 years old at event)
cannot have		diagnosis	UMLS:ICD10CM:E27.1	Primary adrenocortical insufficiency (at least 18 years old at event)
date constraint		The terms in this group occurred between Jan 1, 2011 and Jan 1, 2021		
event relationship		Any instance of CIS+PEVG occurred within 6 months on or after any instance of Lung Ca		
Group 1B CIS+PEVG				
must have	any of	medication	NLM:RXNORM:40048	carboplatin
		medication	NLM:RXNORM:2555	cisplatin
	and any of	medication	NLM:RXNORM:1919503	durvalumab
		medication	NLM:RXNORM:1875534	avelumab
		medication	NLM:RXNORM:1094833	ipilimumab
		medication	NLM:RXNORM:2619313	tremelimumab
		medication	NLM:RXNORM:1547545	pembrolizumab
		medication	NLM:RXNORM:1597876	nivolumab
		medication	NLM:RXNORM:1792776	atezolizumab
	medication	NLM:RXNORM:2058826	cemiplimab	