

Supplementary Table 1. Diagnostic and drug codes used in this study

Type	Name	Codes	
Diagnoses			
Cancer	Non-small cell lung cancer	C34	
	Urothelial carcinoma	C66-67	
	Melanoma	C43	
Outcome	Tuberculosis	A15, A16, A17, A18, A19	
Comorbidities	Diabetes mellitus	E10, E11, E12, E13, E14	
	Hypertension	I10, I11, I12, I13, I15	
	Chronic lung disease	J40, J41, J42, J43, J44, J45, J46, J47, J60, J61, J62, J63, J64, J65, J66, J67, I278, I279, J684, J701, J703	
	Chronic kidney disease	N03, N04, N18, N19, N25, N26, Z49, Z94, I120, I131, Z992	
	Chronic liver disease	K72, I850, I859, I864, I980, I983, K703, K704, K711, K715, K743, K744, K745, K746, K754, K762, K765, K766, K767	
	Rheumatic disease	M05, M06, M07, M08, M09, M30, M31, M32, M33, M34, M35, M36, M45	
	HIV infection	B20, B21, B22, B23, B24	
	Solid organ transplant	Z940, Z941, Z942, Z943, Z944, Z948	
	Inflammatory bowel disease	K50, K51	
	Hematologic malignancy	C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96	
	Latent tuberculosis	R7680	
	Drugs		
	Immune checkpoint inhibitor	Nivolumab	638401BIJ, 638402BIJ
		Pembrolizumab	639001BIJ
Atezolizumab		657701BIJ	
Conventional chemotherapy	Carboplatin	123701BIJ, 123702BIJ, 123703BIJ, 123704BIJ, 123705BIJ, 123706BIJ, 123707BIJ, 123708BIJ, 123730BIJ, 123731BIJ, 123732BIJ, 123733BIJ, 123734BIJ, 123735BIJ, 123736BIJ	
	Cisplatin	134501BIJ, 134502BIJ, 134503BIJ, 134530BIJ, 134531BIJ, 134532BIJ, 134533BIJ, 134534BIJ	
	Docetaxel	148301BIJ, 148302BIJ, 148303BIJ, 148304BIJ, 148305BIJ, 148306BIJ, 148310BIJ, 148340BIJ, 148341BIJ, 148342BIJ, 148344BIJ, 148345BIJ, 148346BIJ, 148348BIJ, 148349BIJ, 148350BIJ, 148351BIJ	
	Gemcitabine	164901BIJ, 164902BIJ, 164903BIJ, 164930BIJ, 164931BIJ, 164932BIJ	
	Irinotecan	177401BIJ, 177402BIJ, 177403BIJ, 177404BIJ, 177405BIJ, 177406BIJ, 177407BIJ, 177408BIJ, 177430BIJ, 177431BIJ, 177432BIJ, 177433BIJ, 177434BIJ, 177435BIJ, 177436BIJ, 177437BIJ	
	Paclitaxel	503701BIJ	
	Alectinib	656201ACH	
	Briqatinib	675701ATB, 675702ATB, 675703ATB	
	Ceritinib	634401ACH	
	Crizotinib	617501ACH, 617502ACH	
	Erlotinib	477401ATB, 477402ATB, 477403ATB	
	Gefitinib	453001ATB	
	Osimertinib	652501ATB, 652502ATB	
	Pemetrexed	481201BIJ, 481202BIJ, 481203BIJ, 481204BIJ, 481205BIJ, 481230BIJ, 481231BIJ, 481232BIJ, 481233BIJ, 481234BIJ, 481235BIJ, 481237BIJ, 481239BIJ	
	Doxorubicin	149401BIJ, 149402BIJ, 149403BIJ, 149404BIJ, 149405BIJ, 149406BIJ, 149430BIJ, 149431BIJ, 149432BIJ, 149433BIJ, 149434BIJ, 149435BIJ	
	Ifosfamide	173301BIJ	
Vinblastine	247801BIJ, 247830BIJ		
Dabrafenib	663101ACH, 663102ACH		
Vemurafenib	620501ATB		
Dacarbazine	139901BIJ, 139902BIJ, 139903BIJ		
Interferon α -2b	175601BIJ, 175602BIJ, 175603BIJ, 175604BIJ, 175605BIJ, 175606BIJ, 175607BIJ, 175608BIJ, 175630BIJ, 175631BIJ		
Anti-tuberculosis medications	Isoniazid	178101ATB, 178102ATB, 178103ATB, 380200ACH, 380200ATB, 489200ATB, 519500ATB	
	Rifampin	223901ACH, 223902ACH, 223902ATB, 223903ACH, 223903ATB, 223904ACH, 223904ATB, 380200ACH, 380200ATB, 489200ATB, 519500ATB	
	Ethambutol	155601ATB, 155602ATB, 155603ATB, 155605ATB, 519500ATB	
	Pyrazinamide	221201ATB, 221202ATB, 489200ATB, 519500ATB	

	Prothionamide	220401ATB, 220402ATB
	Cycloserine	139101ACH
	Para-aminosalicylic acid	208101AGN, 208131AGN, 208130AGN
Corticosteroids	Prednisolone	217001ATB, 217003ASY, 217004ASY, 217030ASY, 217034ASY, 217035ASY, 217302BIJ
	Methylprednisolone	193302ATB, 193305ATB, 193501BIJ, 193502BIJ, 193530BIJ, 193531BIJ, 193601BIJ, 193602BIJ, 193603BIJ, 193604BIJ
	Hydrocortisone	170901ATB, 170905ATB, 170906ATB, 171201BIJ, 171202BIJ
	Dexamethasone	141901ATB, 141903ATB, 141904ATB, 142001BIJ, 142030BIJ, 142201BIJ, 142202BIJ, 142230BIJ, 142232BIJ, 142233BIJ
Immunosuppressants	Methotrexate	192101ATB, 192107ATB, 192102BIJ, 192103BIJ, 192104BIJ, 192105BIJ, 192107BIJ, 192108BIJ, 192109BIJ, 192110BIJ, 192111BIJ, 192132BIJ, 192134BIJ, 192136BIJ, 192138BIJ, 192139BIJ, 192140BIJ, 192141BIJ, 192142BIJ, 192143BIJ, 192144BIJ
	Leflunomide	434601ATB, 434602ATB
	Ciclosporin (Cyclosporin A)	139201ACS, 139201ACS, 139204ACS, 139202BIJ, 139230BIJ, 194701ACS, 194701ALQ, 194702ACS, 194730ALQ, 194731ALQ
	Cyclophosphamide	139001ATB, 139003BIJ, 139004BIJ, 139005BIJ
	Tacrolimus	234201ACH, 234201ACH, 234201ATB, 234202BIJ, 234203ACH, 234203ATB, 234204ACH, 234204ATB, 234205ACR, 234206ACR, 234207ACR, 234208ATB, 234230BIJ
	Sirolimus	485501ATB, 485502ATB, 485503ATB
	Azathioprine	112401ATB, 112402ATB
	Sulfasalazine	232801ATE
	Mycophenolate mofetil	197801ACH, 197802ATB, 197804ASS, 197830ASS, 451401ATE, 451402ATE
	Everolimus	485601ATB, 485602ATB, 485603ATB, 485604ATB, 485605ATB, 485606ATB, 485607ATB
	Bucillamine	348201ATB
	Mizoribine	196601ATB, 196602ATB
	Temsirolimus	568201BIJ, 568230BIJ