

Supplementary Table 1. ICD-10 codes of diagnoses used for defining the study population, comorbidities, and outcomes

Diagnosis	ICD-10 codes ¹
GD	E05
Thyroid cancer	C73
Diabetes mellitus	E11, E12, E13, E14, R73
Autoimmune disease	D271, D510, D591, D86, E10, G35, G700, L80, M06, M32, M350, M353
Hypertension	I10, I11, I12, I13, I15
Ischemic heart disease	I20, I21, I22, I23, I24, I25
Congestive heart failure	I43, I50, I099, I110, I130, I132, I255, I420, I425, I426-I429, P290
Peripheral vascular disease	I70, I71, I731, I738, I739, I771, I790, I792, K551, K558, K559, Z958, Z959
Cerebrovascular disease	G45, G46, I60-I69, H340
Chronic pulmonary disease	J40-J47, J60-J67, I278, I279, J684, J701, J703
Rheumatologic disease	M05, M06, M32-M34, M315, M351, M353, M360
Mild liver disease	B18, K73, K74, K700-K703, K709, K713-K715, K717, K760, K762-K764, K768, K769, Z944
GO	H062

GD, Graves' disease; GO, Graves' orbitopathy.

¹International Classification of Disease, 10th revision by the World Health Organization.

Supplementary Table 2. Medications of diagnoses used in the study

Diagnosis	Medications
Graves' disease	Carbimazole, Methimazole, Propylthiouracil
Diabetes mellitus	Acarbose, Albiglutide, Alogliptin, Anagliptin, Dapagliflozin, Dulaglutide, Empagliflozin, Evogliptin, Exenatide, Gemigliptin, Glibenclamide, Gliclazide, Glimepiride, Glipizide, Human insulin, Insulin aspart, Insulin degludec, Insulin detemir, Insulin glulisine, Insulin lispro, Ipragliflozin, Linagliptin, Lixisenatide, Lobeglitazone, Metformin hydrochloride, Miglitol, Mitiglinide calcium hydrate, Nateglinide, Pioglitazone, Repaglinide, Rosuvastatin, Saxagliptin, Sitagliptin, Teneligliptin, Vildagliptin, Voglibose