

Supplemental Table 1. Outcome-Based Model Performance.

Outcome	AUC	Accuracy	Sensitivity	Specificity
Any Cardiovascular Event	0.674	0.740	0.175	0.930
Bradycardia	0.664	0.867	0.118	0.953
Myocardial Infarction	0.685	0.920	0.136	0.956
Syncope	0.676	0.837	0.072	0.974

Abbreviations: AUC, Area Under Curve.

Supplemental Table 2. Odds Ratio Effects of All Selected Risk Factors from Stepwise Logistic Regressions.

Risk Factors	Any Cardiovascular Event	Bradycardia	Myocardial Infraction	Syncope
Total Number Selected	55	39	24	46
Male	1.102 (0.0026)	1.242 (<0.0001)		
Chronic Diseases Before Index Date				
Atrial Fibrillation	1.161 (<0.0001)	1.211 (<0.0001)		
Cataract	1.141 (0.0002)			1.204 (<0.0001)
Heart Failure	1.108 (0.0011)			
Chronic Kidney Disease	1.188 (<0.0001)	1.142 (0.0021)	1.280 (<0.0001)	1.107 (0.0071)
Depression	1.127 (<0.0001)			
Hypertension	0.825 (<0.0001)		0.760 (<0.0001)	0.819 (<0.0001)
Ischemic Heart Disease	1.258 (<0.0001)	1.209 (<0.0001)	1.837 (<0.0001)	1.202 (<0.0001)
Stroke/Transient Ischemic Attack	1.093 (0.0038)			1.153 (0.0001)
ICD Diagnosis Before Index Date				
Malignant Neoplasm Prostate				1.334 (0.0025)
Volume Depletion	1.177 (0.0076)			
Hyperpotassemia				1.406 (0.0092)
Vascular Dementia				1.255 (0.0039)
Unspecified Psychosis	1.154 (0.0040)			
Cerebral Degeneration, Unspecified		1.252 (0.0034)		
Benign Hypertension				1.099 (0.0071)
Hypertension, Unspecified	1.093 (0.0023)			
Intermediate Coronary Syndrome	1.393 (0.0026)			
Coronary Atherosclerosis			1.242 (0.0020)	
Cardiac Dysrhythmia, Unspecified	1.223 (0.0046)			
Heart Failure, Unspecified				1.359 (0.0045)
Chronic Kidney Disease, Unspecified		1.338 (0.0077)		
In Growing Nail	1.169 (0.0077)	1.247 (0.0042)		1.221 (0.0039)
Other Musculoskeletal Symptoms Referable to Limbs		1.248 (0.0025)		
Alteration of Consciousness	1.247 (<.0001)	1.222 (0.0006)		1.240 (<0.0001)
Abnormality of Gait	1.146 (0.0072)			1.255 (0.0001)
Epistaxis				1.546 (0.0015)
<i>Elbow, Forearm, and Wrist Injury</i>				1.387 (0.0095)
<i>Lens Replaced by Other Means</i>	1.196 (0.0020)			
Intestine			0.413 (0.0018)	
Medication Usage Before Index Date				

Risk Factors	Any Cardiovascular Event	Bradycardia	Myocardial Infraction	Syncope
Total Number Selected	55	39	24	46
Morphine and Opium, Non-Injectable			1.563 (0.0035)	1.390 (0.0028)
Antidiarrheals Without Anti-Infectives		1.367 (0.0002)		
Anti-Parkinson's, Anticholinergic Agents		1.541 (0.0018)		
Anticholinergics, Bronchial			1.347 (0.0081)	
Nitrites and Nitrates		1.202 (0.0014)		
Calcium Channel Blockers		1.129 (0.0031)		
Beta Blockers				1.114 (0.0021)
Anti-Fungal Agents, Polyenes		1.307 (0.0005)		
Human Insulin, Analog Long Acting			1.524 (<0.0001)	
Diuretics, Combinations			0.659 (0.0086)	
Hormones, Glucocorticoids Plain, Oral	1.110 (0.0055)			
Hyperosmolar Laxatives		1.201 (0.0032)		
ICD Diagnosis During Follow-Up				
Unspecified Septicemia	0.682 (<0.0001)	0.728 (0.0062)		0.591 (<0.0001)
Benign Neoplasm of Colon	0.788 (0.0060)		0.538 (0.0041)	
Unspecified Vitamin D Deficiency				0.842 (0.0060)
Senile Dementia, Uncomplicated	0.879 (0.0086)			
Dementia, Unspecified	0.629 (<0.0001)	0.664 (<0.0001)	0.627 (0.0004)	0.580 (<0.0001)
Other Disorders of Lacrimal Gland	0.824 (0.0061)			
Unspecified Hearing Loss	0.738 (0.0080)	0.625 (0.0074)		
Premature Beats		1.516 (0.0031)		
Other Specified Cardiac Dysrhythmias	1.446 (<0.0001)	1.542 (<0.0001)		
Cardiac Dysrhythmia, Unspecified		1.286 (0.0086)		
Congestive Heart Failure, Unspecified			1.402 (<0.0001)	
Unspecified Transient Cerebral Ischemia	1.224 (0.0014)			1.315 (0.0003)
Pneumonia, Unspecified Organism				0.849 (0.0064)
Food/Vomit Pneumonitis	0.527 (<0.0001)	0.581 (0.0011)		0.588 (0.0019)
Unspecified Pleural Effusion				0.771 (0.0041)
Pulmonary Congestion/Hypostasis				0.781 (0.0056)
Unspecified Gastritis and Gastroduodenitis				0.729 (0.0078)
Hemorrhage of Gastrointestinal Tract, Unspecified				0.703 (0.0006)
Acute Kidney Failure, Unspecified	0.814 (0.0047)			
Urinary Tract Infection, Site Not Specified			0.837 (0.0073)	
Pressure Ulcer	0.757 (0.0001)			0.748 (0.0028)
Rheumatoid Arthritis		1.529 (0.0004)		
Osteoarthrosis, Unspecified Whether Generalized or Localized			0.796 (0.0093)	
Dizziness and Giddiness	1.286 (<0.0001)			1.425 (<0.0001)
Failure to Thrive-Adult	0.577 (<0.0001)			0.563 (0.0004)

Risk Factors	Any Cardiovascular Event	Bradycardia	Myocardial Infraction	Syncope
Total Number Selected	55	39	24	46
Swelling in Head and Neck			0.417 (0.0067)	
Cough		0.864 (0.0061)		
Chest Pain			1.383 (<0.0001)	
Dysphagia				0.818 (0.0065)
Abnormal Cardiovascular Function Study		1.322 (0.0001)		
Debility, Unspecified	0.699 (<0.0001)	0.675 (0.0012)		0.693 (0.0011)
Closed Fracture of Unspecified Part of Neck of Femur	0.643 (<0.0001)	0.686 (0.0005)		0.610 (<0.0001)
Other and Unspecified Injury of Head, Face and Neck Joint	1.190 (<0.0001)			0.524 (0.0017)
Routine Medical Exam	0.725 (<0.0001)	0.764 (0.0012)		0.764 (0.0001)
Medication Usage During Follow-Up				
Narcotics Analgesic, Synthetic, Non-Injectable	0.880 (0.0013)			
Morphine and Opium, Non-Injectable	0.400 (<0.0001)	0.395 (<0.0001)	0.588 (0.0001)	0.369 (<0.0001)
Codeine and Combinations, Non-Injectable				0.870 (0.0003)
Anesthetics Local, Injectable	0.776 (0.0097)			0.655 (0.0038)
Anticoagulants, Other	0.570 (0.0010)			
Cephalosporins and Related	0.806 (<0.0001)	0.800 (<0.0001)	0.790 (0.0009)	0.820 (<0.0001)
Aminopenicillins	0.829 (<0.0001)			0.851 (0.0024)
Quinolones, Systemic		0.893 (0.0091)		
Sulfonamide-Trimethoprim Combinations				0.859 (0.0018)
Antinauseant 5Ht3 Antagonists	0.750 (0.0009)	0.692 (0.0045)		
Antiparkinson Combinations		0.779 (0.0077)		
Varicella Vaccine	0.668 (<0.0001)	0.678 (0.0095)	0.414 (0.0027)	
Beta Agonists, Nebulizer Solutions	0.829 (0.0042)			0.604 (<0.0001)
Nitrites and Nitrates	1.151 (0.0022)		1.414 (<0.0001)	
Antineoplastic Progestins	0.814 (0.0003)			0.739 (<0.0001)
Ace Inhibitors, Alone			1.213 (0.0014)	
Beta Blockers	1.194 (<0.0001)	1.340 (<0.0001)		
Alpha Blockers Alone or Combinations			1.571 (0.0024)	
Scabicides/Pediculicides	0.737 (0.0044)			
Anti-Fungal Agents, Polyenes	0.852 (0.0013)		0.759 (0.0065)	0.722 (<0.0001)
Hospital IV Solution Over 50 ML, Dextrose	0.625 (0.0087)			
Ophthalmic Anti-Infect Broad/Med Spectrum	0.827 (<0.0001)	0.786 (0.0001)		
Antidepressant-Tricyclics and Tetracyclics	0.880 (0.0015)	0.830 (0.0011)		
Benzodiazepines	0.596 (<0.0001)	0.575 (<0.0001)	0.622 (<0.0001)	0.683 (<0.0001)
Antianxiety, Others		0.719 (0.0002)		
Influenza Antivirals	0.749 (0.0006)			0.708 (0.0018)