

**Supplemental Table 1:** Additional baseline covariates in the unmatched and propensity-score matched cohorts

	Full Cohort		p	Matched Cohort		p
	CABG N= 14,316	PCI N= 7665		CABG N=7049	PCI N=7049	
Intracranial atherosclerotic disease	12.3	10.1	<0.0001	10.0	10.2	0.8
Intracranial hemorrhage	0.3	0.6	0.004	0.5	0.5	>0.9
Peptic ulcer disease	1.8	1.5	0.2	1.5	1.5	0.9
Gastrointestinal bleed	6.6	7.6	0.005	7.3	7.2	0.8
Rheumatologic disease	1.6	2.1	0.007	1.8	1.8	0.8
Pulmonary hypertension	2.4	3.2	0.0006	2.9	3.0	0.5
Paralysis	1.0	1.4	0.004	1.2	1.2	0.9
Psychosis	1.7	2.3	0.003	2.1	2.0	0.8
Alcohol	0.7	0.7	>0.9	0.6	0.7	0.7
Drug abuse	1.0	1.0	0.7	1.9	1.0	0.8
Hypothyroidism	6.0	8.0	<0.0001	7.6	7.4	0.6
Human immunodeficiency virus	0.3	0.6	0.009	0.4	0.5	0.5
Hypernatremia	0.4	0.4	0.5	0.3	0.4	0.8
Hyponatremia	3.0	4.0	0.002	3.4	3.5	0.7
Hyperkalemia	12.1	15.0	<0.0001	13.7	13.8	0.8
Hypokalemia	3.0	4.2	<0.0001	3.7	3.7	0.9
Acidosis	2.2	2.6	0.06	2.3	2.5	0.5
Alkalosis	0.3	0.4	0.5	0.4	0.4	0.9
Mixed acid base	0.3	0.3	0.8	0.3	0.2	0.7
Hypercalcemia	2.1	2.4	0.1	2.5	2.4	0.6
Hypocalcemia	3.5	3.2	0.2	3.2	3.2	0.9
Hyperparathyroidism	6.9	5.9	0.008	6.0	6.1	0.9
Phosphate disorders	3.3	3.4	0.8	3.2	3.3	>0.9
Magnesium disorder	1.5	1.3	0.5	1.2	1.3	0.6

**Supplemental Table 2:** Top twenty predictors for receipt of coronary artery bypass grafting versus percutaneous coronary intervention.

Variable	Estimate	Standard Error	Wald Chi-Sq	Odds Ratio	Lower 95% CI	Upper 95% CI
Index year (per 1 year increase from 1997)	-0.1059	0.00457	536.7701	0.899	0.891	0.908
Cerebral atherosclerotic disease	0.5031	0.0528	90.8489	1.654	1.491	1.834
Age, per 10 years	-0.1363	0.0148	84.5999	0.873	0.848	0.898
Utilized skilled nursing facility	-0.5308	0.06	78.197	0.588	0.523	0.662
Female Sex	-0.1349	0.0155	75.422	0.763	0.718	0.811
History of myocardial infarction	0.3305	0.0431	58.8353	1.392	1.279	1.514
Angina	0.2756	0.0369	55.7341	1.317	1.225	1.416
Hyperlipidemia	0.191	0.036	28.1788	1.21	1.128	1.299
Atrial fibrillation / flutter	-0.243	0.0492	24.3672	0.784	0.712	0.864
History of failed kidney transplant	-0.343	0.0709	23.3895	0.71	0.618	0.815
Dementia	-0.4429	0.1006	19.4009	0.642	0.527	0.782
Number of non-nephrology visits	-0.00469	0.00109	18.627	0.995	0.993	0.997
Hospital days (per quartile increase)	-0.077	0.0185	17.3787	0.926	0.893	0.96
Myocardial infarction on index presentation	-0.1464	0.0353	17.1679	0.864	0.806	0.926
Black race vs. Other race	-0.0998	0.0297	11.2531	0.804	0.704	0.918
Lung Disease	-0.1332	0.0406	10.7492	0.875	0.808	0.948
Hypertension	0.1396	0.0433	10.3704	1.15	1.056	1.252
HIV	-0.7151	0.2262	9.9966	0.489	0.314	0.762
Hyperkalemia	-0.1465	0.0464	9.95	0.864	0.789	0.946
Peripheral vascular disease	-0.1056	0.0358	8.7277	0.9	0.839	0.965

**Supplemental Table 3: ICD-9 Codes used to identify comorbid conditions**

Comorbidity	ICD-9 Codes
<b>Cardiovascular</b>	
Atrial fibrillation	427.3x
Prior myocardial infarction	410.x, 412
Arrhythmia	426.x, 427.0, 427.20, 427.81, 427.9
Heart failure	398.91, 402.01, 402.11, 402.91, 404.01, 404.03, 404.13, 404.91, 428.x,
Hypertension	401.0, 401.1, 401.9, 402.x, 403.x, 404.x, 405.x
Pacemaker	37.7x, 37.8x, 996.01, v45.00, v45.01, v45.02, v45.09, v53.31
Stroke	433.x, 434.x, 436.00
Transient ischemic attack	435.x
Angina	411.x, 413.x
Valvular disease	394.x-397.1, 424.x, 746.3-746.6, v42.2, v43.3
Ventricular fibrillation	427.1, 427.4x
Implantable cardiac defibrillator	37.9x, 996.04, v53.32
Peripheral vascular disease	38.03, 38.04, 38.05, 38.08, 38.33-38.48, 39.22-39.29, 440.2x, 440.3x, 440.4x, 441.x, 443.x, 445.x, 447.10, 557.10, 557.90, v43.4,
Pulmonary hypertension	416.x, 417.9
Intracranial atherosclerotic disease	433.x, 434.x, 437.x, 438x.
<b>Other Medical</b>	
Diabetes mellitus	249.x, 250.x, 357.2, 362.0x
Hyperlipidemia	272.x
Chronic liver disease	070.x, 456.1, 456.21, 570-573.x, v42.7
Peptic ulcer disease	531.7, 531.0, 531.71, 531.9, 531.90, 531.91, 532.7, 532.70, 532.71, 532.9x, 533.7x, 534.7x, 534.9x
Gastrointestinal bleed	456.00, 456.0, 456.20, 530.21, 530.70, 530.82, 531.0x, 531.2x, 531.4x, 531.6x, 532.2x, 532.4x, 532.6x, 533.0x, 533.2x, 534.0x, 534.2x, 534.4x, 534.6x, 535.x1, 537.83, 537.84, 562.02, 562.03, 562.12, 562.13, 569.3, 569.85, 578.x
Intracranial hemorrhage	430, 431.00, 432.x
Chronic lung disease	490, 491.x-496, 500-505, 506.4, 516.x
Systemic cancer	140.x-165.x, 170.x-172.x, 174.x, 175.x, 180.x-209.x, 238.6, 273.3
Dementia	290.x, 294.1x, 331.x
Depression	296.2x, 296.3x, 296.5x, 296.82, 300.40, 301.12, 309.0, 309.10, 311
Paralysis	342.x, 343.x, 344.x
Human immunodeficiency virus	042, 043, 044
Rheumatologic disease	701.x, 714.x, 720.x, 725.00
Psychosis	295.x, 296.x, 297.x, 298.x, 299.1, 299.10, 299.11
Tobacco use	305.1x
Alcohol	291.x, 303.x, 305.x
Drug abuse	292.x, 304.x, 305.x,
Obesity	278.0x, 649.1x, v85.3x, v85.4
<b>Electrolyte/Metabolic</b>	
Hyper-/ hyponatremia	276.0, 276.10
Hyper-/hypokalemia	276.70, 276.80
Acid/base disorders	276.20, 276.30, 276.40
Hyper- hypocalcemia	275.4, 275.41
Hyperparathyroidism	252.0x
Phosphate disorders	275.30
Magnesium disorder	275.20
Hypothyroidism	243, 244.x