

*Supplemental material is neither peer-reviewed nor thoroughly edited by CJASN. The authors alone are responsible for the accuracy and presentation of the material.*

**Supplemental Table S1: Code-algorithms Used to Identify Outcomes and Covariables**

Descriptions	ICD-9 or CPT Codes
Fracture neck of femur	820.XX
Fracture of other and unspecified parts of femur	821.XX
Internal fixation (without reduction, closed reduction, open reduction)	78.55,79.15,79.35
Partial hip replacement	81.52
Total hip replacement	81.51
Reduction without internal fixation (closed, open); repair of hip not otherwise specified	79.05,79.25,81.40
Arrhythmia	426.0, 426.1, 426.12, 426.13, 426.54, 426.7, 426.8, 426.81, 426.82, 426.89, 427.0, 427.1, 427.2, 427.3, 427.31, 427.32, 427.4, 427.41, 427.42, 427.81, 427.90
Cerebrovascular disease	430.0, 431.0, 432.0, 432.1, 432.9, 433, 433.0, 433.01, 433.11, 433.21, 433.31, 433.31, 433.81, 433.91, 434, 434.01, 434.11, 434.91, 435.0, 435.1, 435.2, 435.8, 435.9, 436.0, 437.0, 437.1, 437.4, 437.5, 437.6, 437.8, 437.9, 438, 438.0, 438.1, 438.10, 438.11, 438.12, 438.13, 438.14, 438.19, 438.2, 438.20, 438.21, 438.22, 438.3, 438.30, 438.31, 438.32, 438.4, 438.40, 438.41, 438.42,

*Supplemental material is neither peer-reviewed nor thoroughly edited by CJASN. The authors alone are responsible for the accuracy and presentation of the material.*

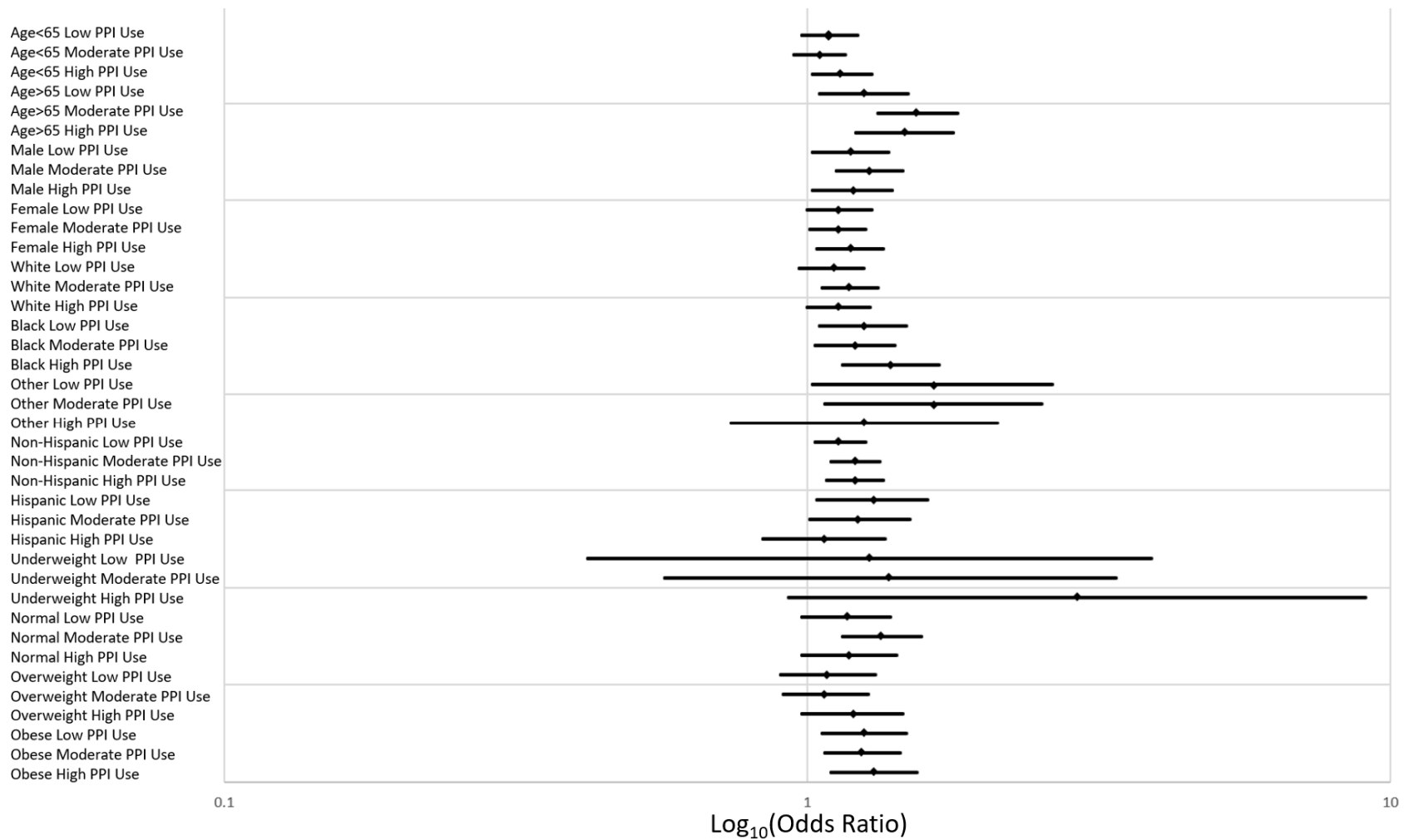
	438.5, 438.50, 438.51, 438.52, 438.53, 438.6, 438.7, 438.8, 438.81, 438.82, 438.83, 438.84, 438.85, 438.89, 438.9
Congestive Heart Failure	398.91, 402.01, 402.11, 402.91, 404.01, 404.03, 404.11, 404.13, 404.91, 404.93, 425.1, 425.11, 425.18, 425.2, 425.4, 425.5, 425.7, 425.8, 425.9, 428.0, 428.1, 428.2, 428.21, 428.22, 428.23, 428.3, 428.31, 428.32, 428.33, 428.4, 428.41, 428.42, 428.43, 428.9
Coronary Artery Disease	410, 410.0, 410.01, 410.02, 410.1, 410.11, 410.12, 410.2, 410.21, 410.22, 410.3, 410.31, 410.32, 410.4, 410.41, 410.42, 410.5, 410.51, 410.52, 410.60, 410.61, 410.62, 410.70, 410.71, 410.72, 410.8, 410.81, 410.82, 410.9, 410.91, 410.92, 411.0, 411.1, 411.81, 411.89, 412.0, 413.0, 414.0, 414.00, 414.01, 414.02, 414.03, 414.04, 414.05, 414.06, 414.07, 414.2, 414.3, 414.4, 414.8, 414.9,
Depression	296.2, 296.21, 296.22, 296.23, 296.24, 296.25, 296.26, 296.30, 296.31, 296.32, 296.33, 296.34, 296.35, 296.36, 296.50, 296.51, 296.52, 296.53, 296.54, 296.55, 296.56, 296.82, 300.4, 311.0
Diabetes mellitus	249, 249.0, 249.00, 249.01, 249.1, 249.10, 249.11, 249.2, 249.20, 249.21, 249.3, 249.30, 249.31, 249.4, 249.40, 249.41, 249.5, 249.50, 249.51, 249.6, 249.60, 249.61, 249.7, 249.70, 249.71, 249.8, 249.80, 249.81, 249.9, 249.90, 249.91, 250, 250.0, 250.00, 250.01, 250.02, 250.03, 250.1, 250.10, 250.11, 250.12, 250.13, 250.2, 250.20, 250.21, 250.22, 250.23, 250.3, 250.30, 250.31, 250.32, 250.33, 250.4, 250.40, 250.41, 250.42, 250.43, 250.5, 250.50, 250.51, 250.52, 250.53, 250.6, 250.60, 250.61, 250.62, 250.63, 250.7, 250.70, 250.71, 250.72, 250.73, 250.8, 250.80, 250.81, 250.82, 250.83, 250.9, 250.90, 250.91, 250.92, 250.93, 357.2, 362.0, 362.01, 362.02, 362.03, 362.04, 362.05, 362.06, 362.07
Hypertension	401.0, 401.1, 401.9, 402.0, 402.01, 402.10, 402.11, 402.9, 402.91, 403.0, 403.01, 403.1, 403.11,

*Supplemental material is neither peer-reviewed nor thoroughly edited by CJASN. The authors alone are responsible for the accuracy and presentation of the material.*

	403.90, 403.91, 404.0, 404.01, 404.02, 404.03, 404.1, 404.11, 404.12, 404.13, 404.9, 404.91, 404.92, 404.93, 405.0, 405.01, 405.09, 405.11, 405.19, 405.9, 405.91, 405.99
Osteoporosis	733.0, 733.01, 733.02, 733.03, 733.09
Peripheral Vascular Disease	440.2, 440.21, 440.22, 440.23, 440.24, 440.29, 440.3, 440.31, 440.32, 440.4, 440.8, 440.9, 441.0, 441.01, 441.02, 441.03, 441.1, 441.2, 441.3, 441.4, 441.5, 441.6, 441.7, 441.9, 443.0, 443.1, 443.21, 443.22, 443.23, 443.24, 442.39, 443.81, 443.82, 443.9, 445.01, 445.02, 445.81, 445.89, 557.0, 557.1, 557.9
Rheumatological disease	710, 710.0, 710.01, 710.02, 710.03, 710.04, 710.05, 710.06, 710.07, 710.08, 710.09, 710.1, 710.2, 710.3, 710.4, 710.5, 710.8, 710.9, 713.1, 713.3, 713.7, 714, 714.0, 714.1, 714.2, 714.3, 714.30, 714.31, 714.32, 714.33, 714.4, 714.8, 714.81, 714.89, 714.9, 720, 720.0, 720.1, 720.2, 720.8, 720.81, 720.89, 720.9, 725
Tobacco Use	305.10, 305.11, 305.12, 305.13

---

### Supplemental Figure 1: Subgroup Analysis



Note: PPI – Proton Pump Inhibitor