Supplemental Material

Appendix

Table A1. Codes used to define comorbid conditions
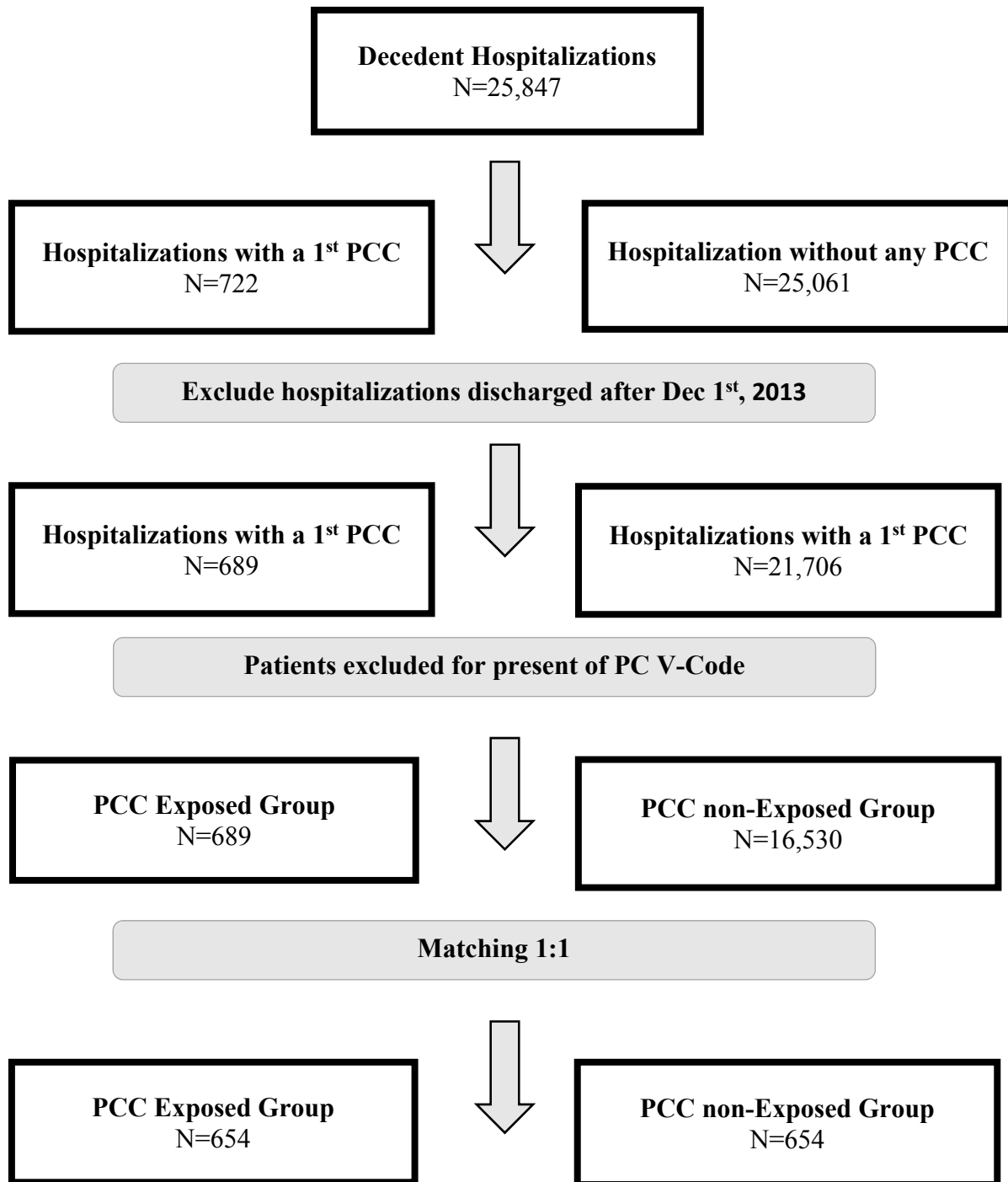
	ICD-9 and CPT Codes
Comorbidities	
Diabetes mellitus	249.x, 250.x, 357.2, 362.0x
Atrial fibrillation	427.3x
Prior myocardial infarction	410.x
Heart failure	398.91, 402.01, 402.11, 402.91, 404.01, 404.03, 404.13, 404.91, 428.x,
Peripheral vascular disease	38.03, 38.04, 38.05, 38.08, 38.33-38.48, 39.22-39.29, 440.2x, 440.3x, 440.4x, 441.x, 443.x, 445.x, 447.10, 557.10, 557.90, v43.4,
Stroke	433.x, 434.x, 436.00
Chronic liver disease	070.x, 456.1, 456.21, 570-573.x, v42.7
Chronic lung disease	490, 491.x-496, 500-505, 506.4, 516.x
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
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
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
Admission type	
Surgical	Exhaustive list of surgical ICD9 codes, previously validated in the literature[37]
Critical care	99291 or 99292
Emergency room	0450, 0451, 0452, 0453, 0454, 0455, 0456, 0457, 0458, 0459

Note: We classified admission type based on codes present on index date.

Figure A1. Study Flow Chart

All hospitalizations among patients receiving maintenance dialysis
N=1,558,198

All exclusions:
- Incident dialysis (n=48268)
- Hospitalizations <90 days from First-SE date (n=89718);
- Hospitalization in patients younger than 18 or older than 110 yrs (n=6119);
- Hospitalizations <=2 days (n=179936);
- Hospitalizations lacking continuous Medicare A&B through discharge or this coverage is less than 6 mo before index date (n=446064);
- inpatient rehabilitation stays (n=34674);
- Hospice claims in 90 days prior to hospitalization date (n=8692);
- Hospitalizations in patients who has a functional renal transplant (n=185856);
- Hospitalizations in patients who had a recovered kidney disease (n=9184);
- Hospitalizations in patients who lost to f/u (n=45566);
- Hospitalizations in patients who had an uncertain transplant modality (n=3329);
- Hospitalizations of patients who received a PCC in 3 mos preceding the study period (n=1461);
- Hospitalizations with missing on covariates (n=38191).

Eligible hospitalizations in 2012-2013
N=723,913

Decedent Hospitalizations
N=25,847

Non-Decedent Hospitalizations
N=698,066

Figure A2. Matching procedure for decedent cohort

Figure A3. Matching procedure for non-decedent cohort

Non-Decedent
Hospitalizations
N=698,066

Hospitalizations with a 1st PCC
N=2,671

Hospitalization without any PCC
N=684567

Exclude hospitalizations discharged after Dec 1st, 2013

Hospitalizations with a 1st PCC
N=2,530

Hospitalizations with a 1st PCC
N=635,739

Patients excluded for present of PC V-Code

PCC Exposed Group
N=2,530

PCC non-Exposed Group
N=627,805

Matching 1:1

PCC Exposed Group
N=2,512

PCC non-Exposed Group
N=2,512