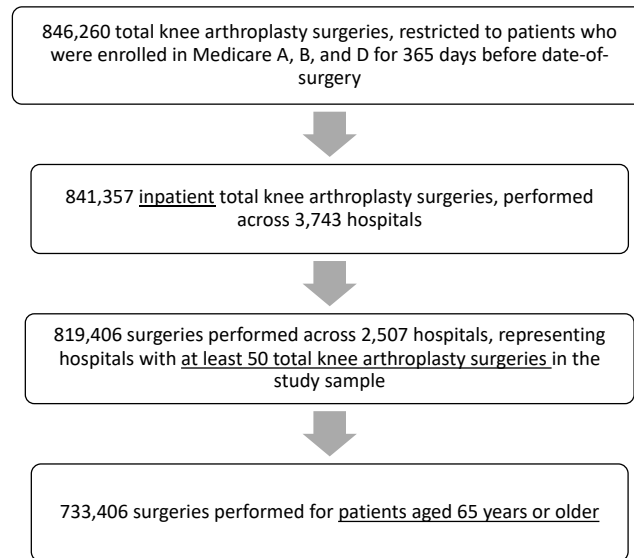


Supplementary Digital Figure 1: Flowchart of Sample Construction



Supplementary Digital Figure 1 illustrates the stepwise study sample construction, starting with all patients enrolled in fee-for-service Medicare (Parts A, B, and D) who underwent total knee arthroplasty between 1/1/2011 and 12/31/2016, and who were continuously enrolled in Medicare for 365 days before date-of-surgery. We then implemented the following stepwise criteria: 1) surgeries that did not occur in an inpatient facility, 2) surgeries from hospitals that performed less than 50 total knee arthroplasty surgeries over the entire study timeframe, and 3) patients younger than 65 years old. The final dataset included 733,406 surgeries across 644,117 patients. Hospitals with total knee arthroplasty volume less than 50 surgeries in the time period were also excluded, with 1,236 hospitals excluded from analysis.