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Figure 1: Patient inclusions/exclusions into the study

Sample from 01/01/2011 to 31/12/2014
n = 258,891

Fracture Type (Not Intertrochanteric #) n = 169,253
Operation Type (Not SHS | L.Nail | S.Nail) n = 144,534
Exit n = 172,372

Intertrochanteric # & SHS | L.Nail | S.Nail
n = 86,519

Time to surgery missing n = 52
Length of stay missing n = 419
Time to surgery < 0 hours n = 70
Time to surgery > 30 days n = 17
Length of stay < 0 hours n = 30
Discharge destination missing n = 846
Life status missing n = 0
Exit n = 999

Sample with non-missing time information & plausible time data
n = 85,520

Age at event less than 60 years n = 2,442
Implausible age >120 years n = 1
Age at event missing n = 55
Admitted from place missing n = 35
Sex missing n = 2
Exit n = 2,530

Inclusion / Exclusion criteria applied
n = 82,990

ASA missing n = 4,039
Pre-op AMTS missing n = 13,378
Pathology type missing n = 3,888
Pre-op mobility v7 missing n = 1,677
Pre-op mobility v8 missing n = 307
Exit n = 19,958

Peri-operative covariates
n = 63,032

Specialist falls assessment missing n = 311
MDT assessment missing n = 1,274
Exit n = 1,403

Non-surgical Intervention covariates
n = 61,629

Type of Anaesthesia n = 6,463
Exit n = 6,463

Socioeconomic covariates
n = 55,166

LSOA n = 2,685
Exit n = 2,685

n = 52,481

# = fracture; SHS = sliding hip screw; L Nai = long intramedullary nail; S Nail = short intramedullary nail; ASA = American Society of Anesthesiologists grade; Pre-op = pre-operative; AMTS = Abbreviated Mental Test Score; MDT = multi-disciplinary team; LSOA = lower layer super output area