

Does Total Joint Arthroplasty Reduce the Long-term Risk of Traumatic Falls in Patients with Osteoarthritis?

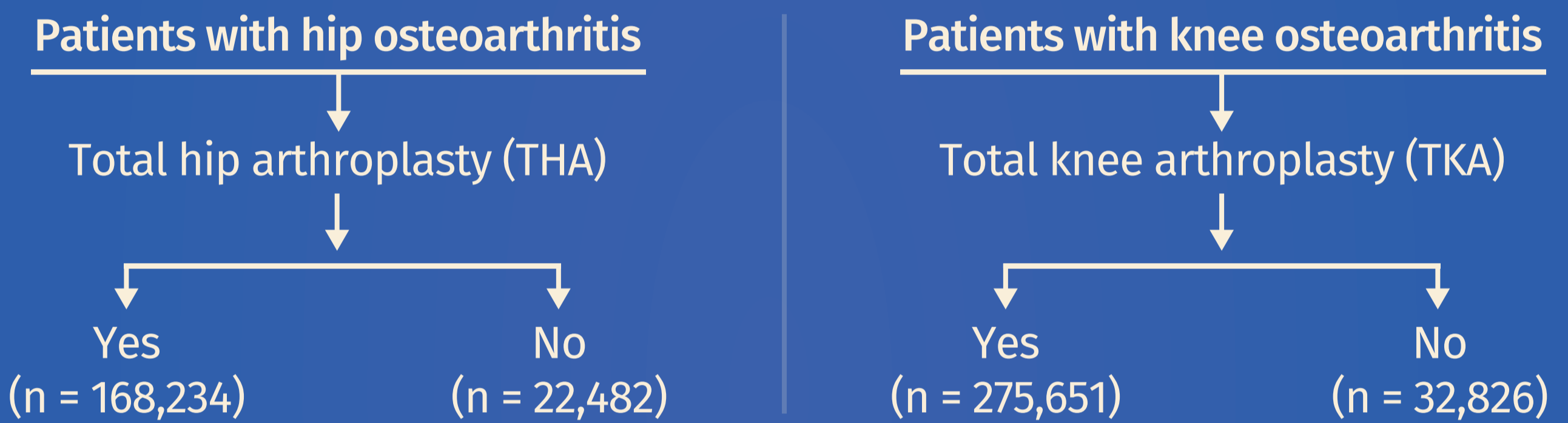
Patients with hip or knee osteoarthritis have an increased risk of falls and subsequent fractures



Total joint arthroplasty (TJA) improve gait, strength, and balance in the long term in patients with osteoarthritis



New York healthcare database queried to identify patients with hip or knee osteoarthritis (N = 499,094)



Records of hospital admissions for falls tracked (mean follow-up 81 months)



Falls in acute postoperative period excluded



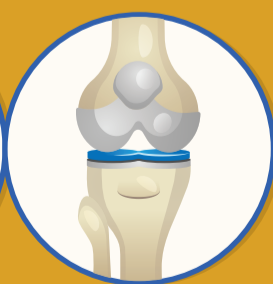
Data controlled for demographic and comorbidity risk factors

Patients who underwent TJA were at a decreased risk of falls

HR = 0.56



THA



TKA

HR = 0.66

Compared with age 40-49 years, risk increases with age

HR = 4.3

70 to 79 years

80+ years

HR = 5.5

Total joint arthroplasty reduces the long term risk of traumatic falls in elderly patients with hip or knee osteoarthritis