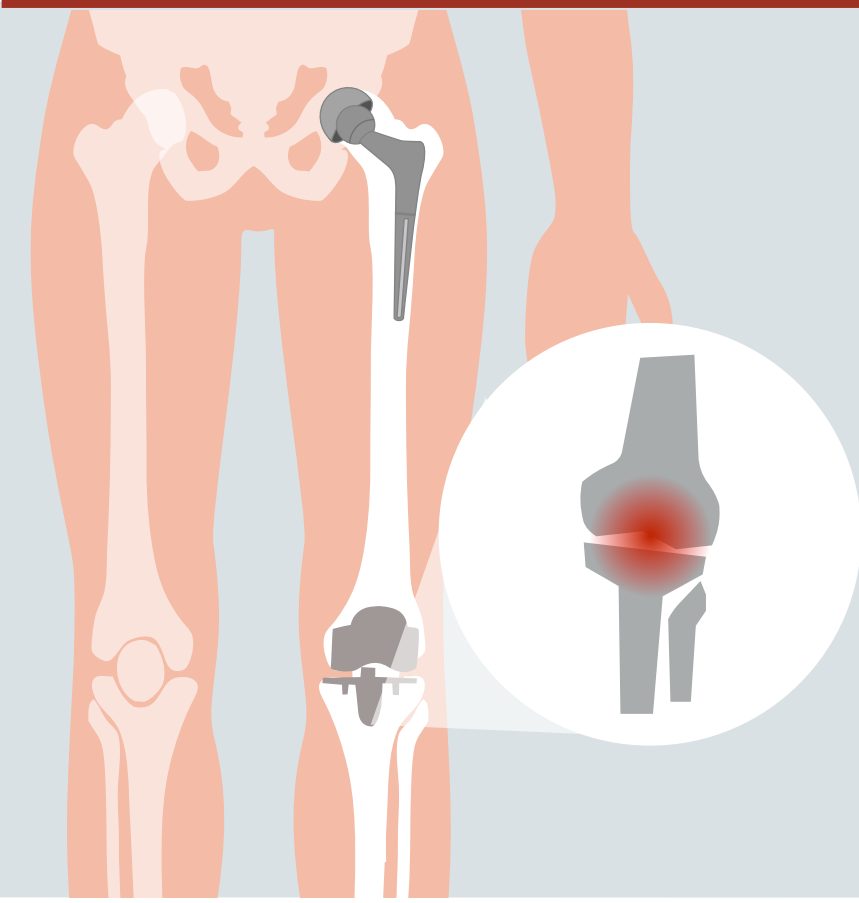
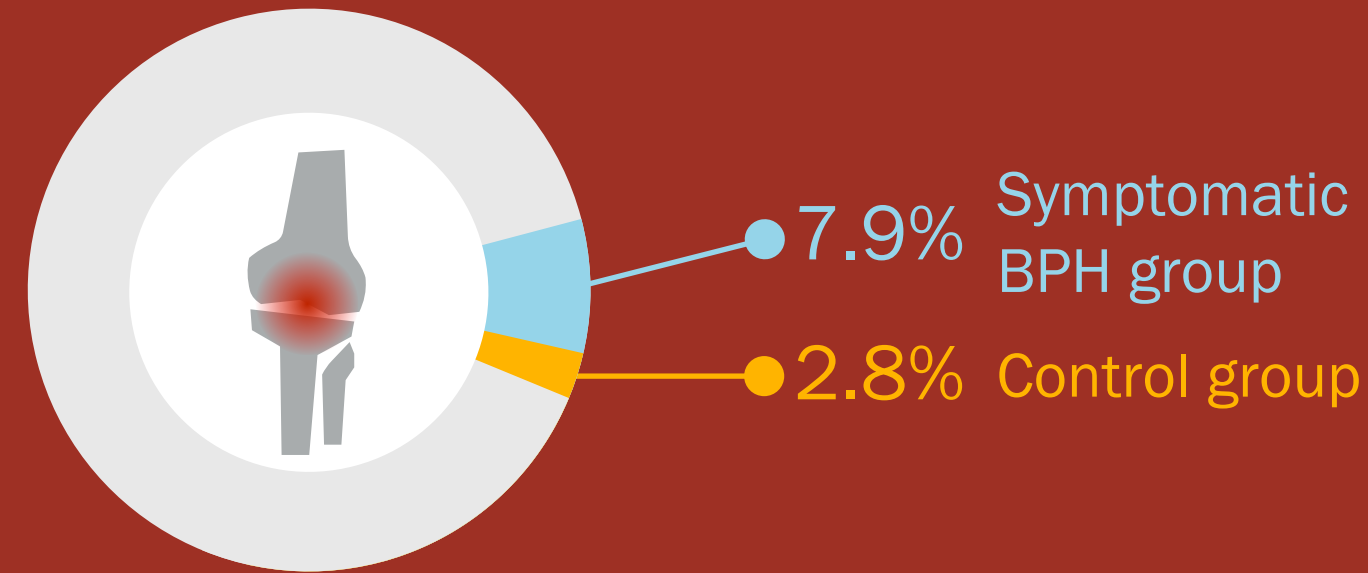


Benign Prostatic Hyperplasia Increases the Risk of Joint Infection After Total Joint Arthroplasty

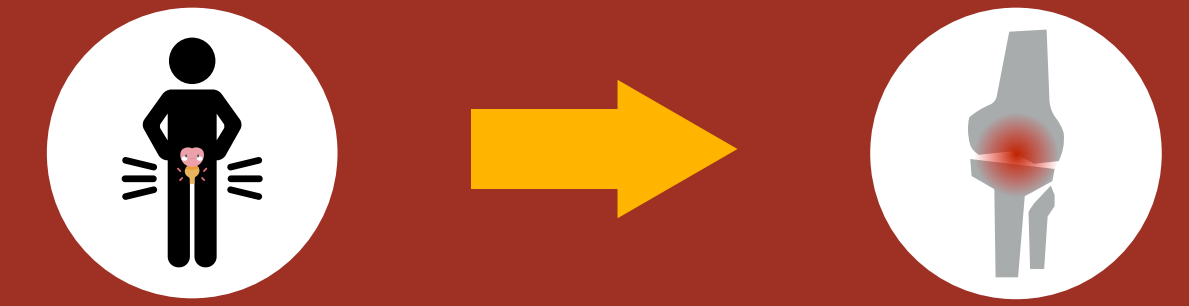


Male patients undergoing total joint arthroplasty (TJA) are at a higher risk of periprosthetic joint infection (PJI) than female patients. It is uncertain whether this infection is associated with benign prostatic hyperplasia (BPH), a chronic condition associated with urinary tract infections in men.

Periprosthetic joint infection rates

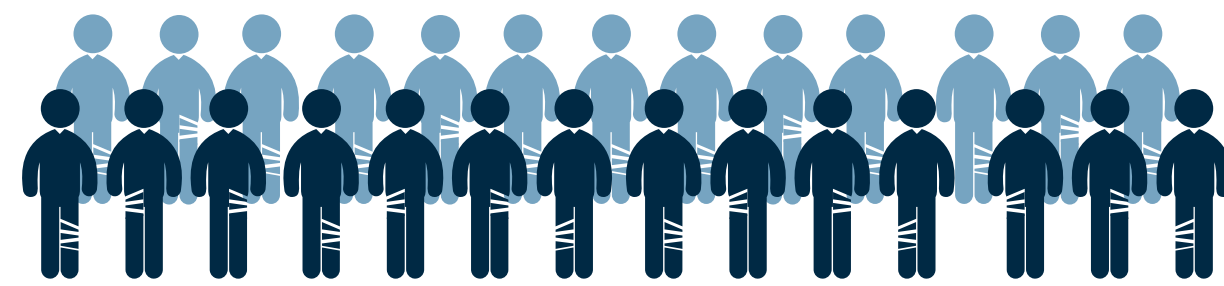


Multivariate regression analysis in unmatched groups

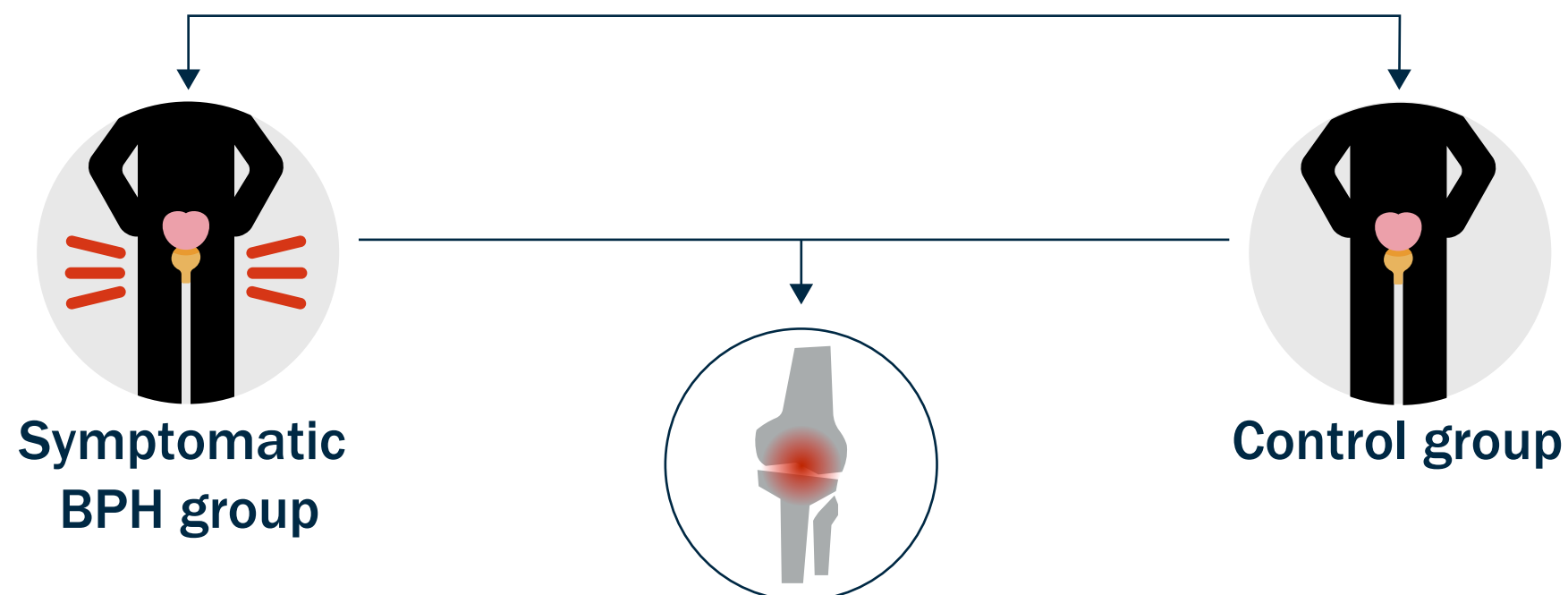


Symptomatic BPH was a strong independent risk factor for PJI (OR, 5.27 [95% CI, 1.36 to 16.66]).

Patients who underwent TJA (N = 12,902)

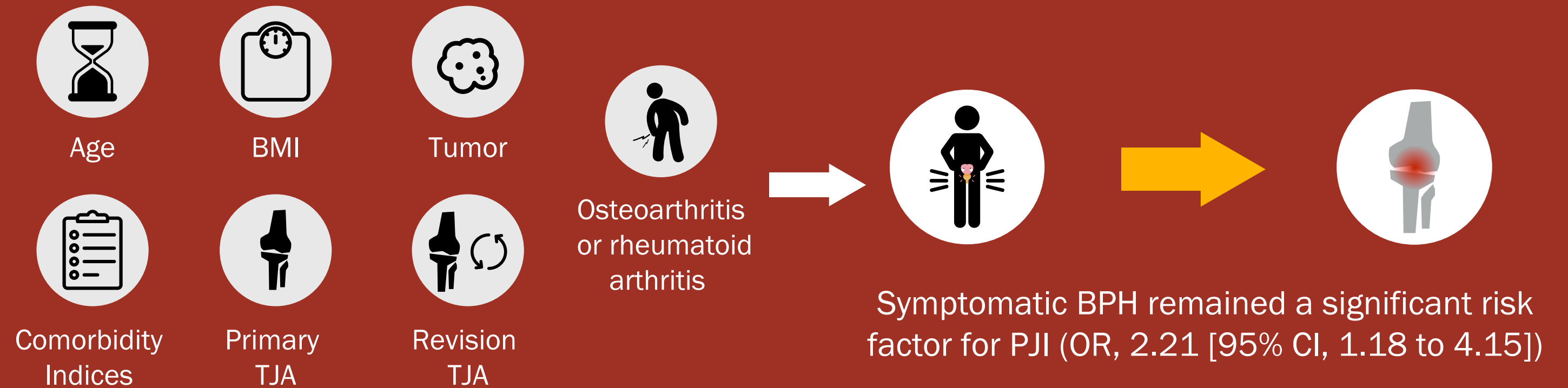


Retrospective study at 1-year follow-up



Periprosthetic joint infection rates

Analysis after matching for the following variables



Key finding: BPH is an independent risk factor for PJI in patients undergoing TJA, which may explain the higher incidence of PJI among male patients.

Symptomatic Benign Prostatic Hyperplasia: A Risk Factor for Periprosthetic Joint Infection in Male Patients

Yazdi et al. (2020)

DOI: 10.2106/JBJS.19.00865

www.jbjs.org

theJBJS

@JBJS

