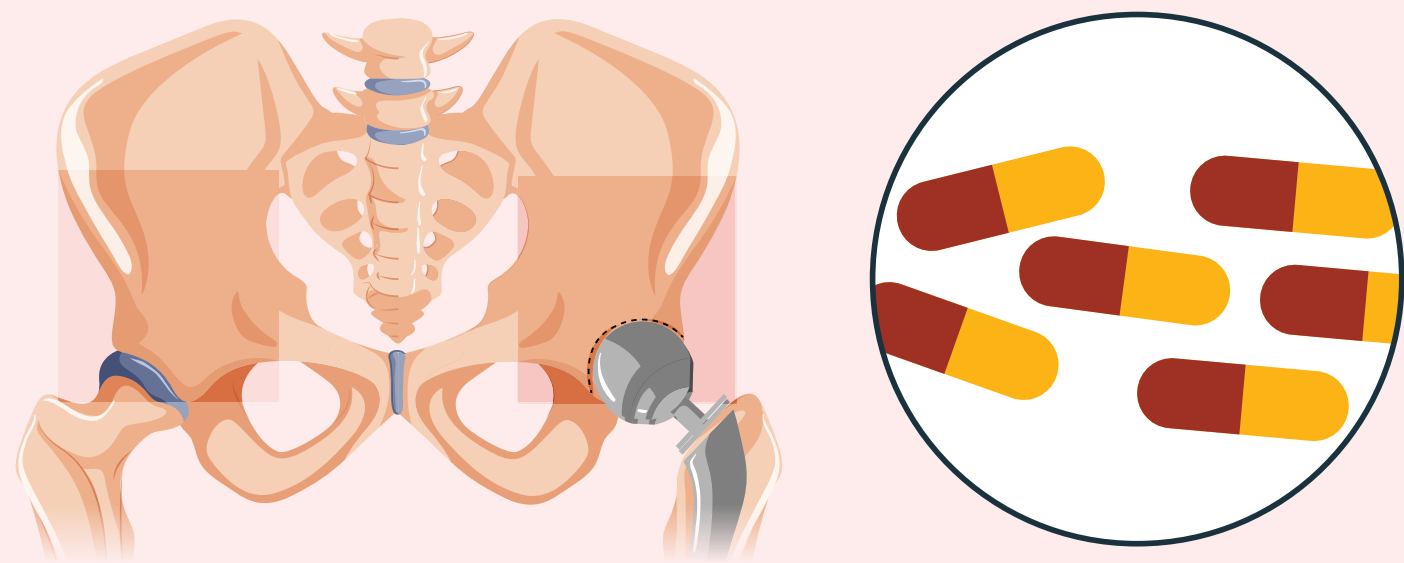


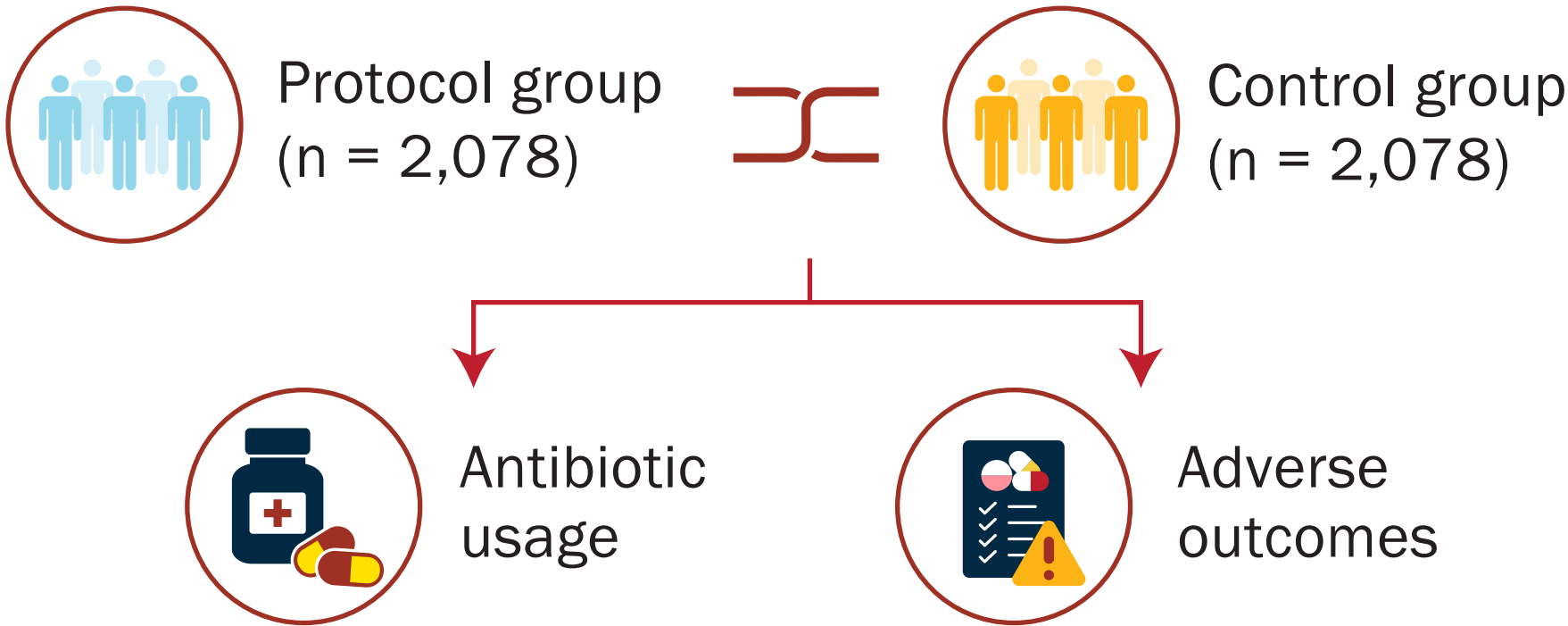
# A Protocol-Driven Penicillin Allergy Screening Program for Patients Undergoing Total Joint Arthroplasty

Second-line antibiotic prophylaxis is often administered to patients who report a penicillin allergy during total joint arthroplasty (TJA)



However, only a few of those patients go forward with additional consultations and allergy testing

Analyzing the effectiveness of a protocol-driven penicillin allergy screening program using a questionnaire adapted from the American Medical Association Penicillin Allergy Toolkit



Self-report of penicillin allergy  Protocol group  Control group



17.2% (357)



239 (66.9%) patients were deemed "low-risk" and were given cefazolin



Only 3 (1.3%) experienced a mild cutaneous reaction following cefazolin administration



14.9% (310)

Patients receiving non-cefazolin antibiotics



5.7%

<



15.2%

Rate of allergic reactions



0.8%

=



0.7%

There was no difference in the rate of adverse reactions to any antibiotics before and after the implementation of the screening protocol



The proposed screening protocol enabled two-thirds of patients who self-reported a penicillin allergy to receive cefazolin without the need of consultation or further testing

A Simple Algorithmic Approach Allows the Safe Use of Cephalosporin in “Penicillin-Allergic” Patients without the Need for Allergy Testing

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