Hip Replacement Rate

Definition
Age-standardized rate of unilateral or bilateral hip replacement surgery performed on inpatients in acute care hospitals per 100,000 population.

Method of Calculation
(Total number discharges for hip replacement / Total mid-year population) * 100,000
(Age adjusted)

CCP*
93.51, 93.52, 93.53, 93.59

CCI*
1.VA.53.LA-PN, 1.VA.53.PN-PN

*Code may be recorded in any position. Procedures coded as cancelled, previous, out-of-hospital, and “abandoned after onset” are excluded.

Interpretation
Hip replacement surgery has the potential to improve functional status, reduce pain, as well as contribute to other gains in health-related quality of life. Over the past two decades, rates of hip replacement surgery have increased substantially. Wide inter-regional variation in joint replacement rates may be attributable to numerous factors including the availability of services, provider practice patterns, and patient preferences.

Standards/Benchmarks
Benchmarks have not been established for this procedure.

Data Source
Discharge Abstract Database (DAD), CIHI
Hospital Morbidity Database (HMDB), CIHI

References

Knee Replacement Rate

Definition
Age-standardized rate of unilateral or bilateral knee replacement surgery performed on inpatients in acute care hospitals, per 100,000 population.

Method of Calculation
(Total number of discharges for knee replacement / Total mid-year population) * 100,000 (Age adjusted)

*Code may be recorded in any position. Procedures coded as cancelled, previous, out-of-hospital, and “abandoned after onset” are excluded.

Interpretation
Knee replacement surgery has the potential to improve functional status, reduce pain, as well as contribute to other gains in health-related quality of life. Over the past two decades, rates of knee replacement surgery have increased substantially. Wide inter-regional variation in joint replacement rates may be attributable to numerous factors including the availability of services, provider practice patterns, and patient preferences.

Standards/Benchmarks
Benchmarks have not been established for this procedure.

Data Source
Discharge Abstract Database (DAD), CIHI
Hospital Morbidity Database (HMDB), CIHI
References


Comments
Rates are based on the total number of discharges for knee replacement surgery in a given year. Therefore a patient who received both a left and a right knee replacement in the same year but at separate admissions would be counted twice.

The knee replacement procedure rate for Quebec residents is suppressed in this report but the counts are included in the calculation of the national rate. Knee revision procedures are coded in Quebec using a province-specific code of 93.471 rather than the CCP code for knee revisions of 93.40. This results in an underestimation of approximately 9% in the knee revision procedure rate among Quebec residents in 2003-2004. Beginning with HMDB fiscal year 2004-2005 data processing, any instance of procedure code 93.471 in the Quebec file will be counted with the CCP code of 93.40 in order to capture all knee revisions from this province.