

# Implant survivorship 99 percent for young hip arthroplasty patients

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Patients younger than 65 years undergoing total hip arthroplasty (THA)

have 99 percent implant survivorship at eight years and have low rates of revision and readmission, according to a study presented at the annual meeting of the American Academy of Orthopaedic Surgeons, held from March 7 to 11 in Las Vegas.

David Alexander Cieremans, from New York University Langone Orthopedic Hospital in New York City, and colleagues examined the most common complications and rates of readmission and revision among THA [patients](#) aged younger than 65 years using [data](#) from the American Joint Replacement Registry (AJRR) database. Data were included for 5,153 patients aged 18 to 65 years from 2012 to 2020; patients were followed for a mean of 39.57 months.

The researchers found that 53 patients (1.0 percent) underwent revision and 74 (1.4 percent) had readmission within 90 days. Compared with White patients, Black patients underwent revision more often (odds ratio, 2.76). At both five and eight years, implant survivorship was 99 percent. The most common indications for revision were infection, instability, periprosthetic fracture, and aseptic loosening (21, 15, 15, and 9 percent, respectively).

"When a young and active patient is exploring THA, it's important for their surgeon to understand the expected life span of the implant to help make informed decisions," Cieremans said in a statement. "The AJRR provided an incredible resource for our team to obtain robust data on hip replacements, along with a standardized metric to analyze surgical trends and patient outcomes from around the country."

**More information:** [Press Release](#)  
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