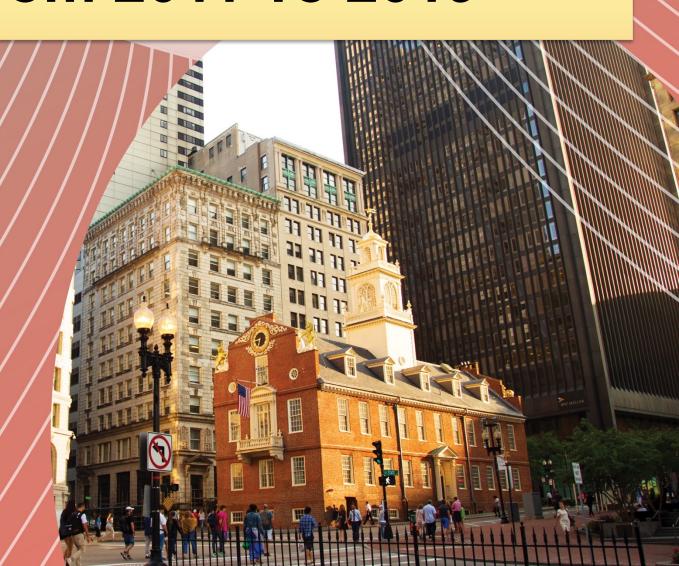


Analysis Of Hip Arthroscopy Procedure Volume And Reimbursement From 2011 To 2019

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BACKGROUND

- Recent reports demonstrate decreasing reimbursement in several orthopedic subspecialties¹⁻⁴
- Hip arthroscopy has become an increasingly utilized tool among orthopedic surgeons⁵
 - Understanding trends regarding its use and reimbursement becomes increasingly important
- An in-depth analysis of reimbursement trends for hip arthroscopic surgery is lacking in the current literature



PURPOSE

The purpose of this study was to assess the trends in procedural volume and physician reimbursement by the Centers for Medicare and Medicaid Services from 2011 to 2019 for arthroscopic hip procedures



METHODS

- Medicare National Summary Data from 2011 to 2019 from CMS were utilized
- Information relating to utilization and physician reimbursement of hip arthroscopy procedures
 was extracted for 7 arthroscopic hip codes
- Reimbursement values corrected for inflation using the consumer price index (CRI)
- Linear regression models created to analyze trends

CPT Codes	Procedure Name			
29860	Diagnostic Hip Arthroscopy			
29861	Hip Arthroscopy with Removal of loose body or foreign body			
29862	Hip arthroscopy with chondroplasty, abrasion arthroplasty, and/or resection of labrum			
29863	Hip arthroscopy with synovectomy			
29914	Hip Arthroscopy with femoroplasty			
29915	Hip arthroscopy with osteoplasty of the acetabulum			
29916	Hip arthroscopy with labral repair			

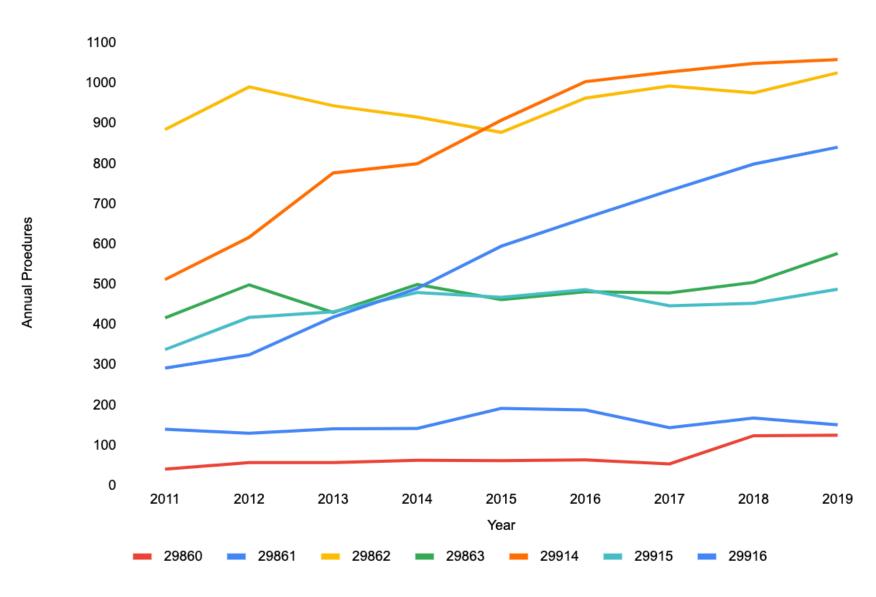


RESULTS

- In the study period between 2011-2019, there were 31,890 total hip arthroscopic procedures billed to Medicare
- There was a 62.6% increase in annual procedural volume of the arthroscopy from year 2011 to 2019
- Total physician payment, adjusted for inflation, for hip arthroscopy procedures billed to Medicare Part B was \$24,776,277 with an average adjusted Medicare Reimbursement (AAMR) for hip arthroscopy increasing 19.6%



Results Annual Volume of Hip Arthroscopy Procedure Utilization 2011 to 2019





Results

Change in Medicare Reimbursement for Codes Analyzed

Procedure	2011	2019	Percent Change from 2011 to 2019	p-value	R-squared	Correlation Coefficient
29860	\$ 493.15	\$ 1,038.55	110.6%	0.031	0.508	0.713
29861	\$ 336.60	\$ 196.30	-41.7%	0.003	0.730	-0.854
29862	\$ 798.90	\$ 952.48	19.2%	0.009	0.648	0.805
29863	\$ 495.83	\$ 574.82	15.9%	0.451	0.083	-0.289
29914	\$ 638.76	\$ 509.44	-20.2%	0.006	0.688	-0.829
29915	\$ 902.95	\$ 1,112.01	23.2%	0.009	0.648	0.805
29916	\$ 839.34	\$ 1,003.17	19.5%	0.061	0.414	0.644
Mean	\$ 643.65	\$ 769.54	19.6%			



CONCLUSIONS

- The volume of all investigated hip arthroscopic procedures has been increasing annually from 2011-2019 within Medicare
- The average inflation adjusted Medicare reimbursement of most investigated hip arthroscopic surgeries has been increasing
- As the volume of hip arthroscopic surgeries continues to grow, these trends are important to note to create agreeable reimbursement policies to continue the support and expansion of arthroscopic orthopedic surgeries



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