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Appendix Table I

Percentage of Female Involvement in Arthroplasty Research from 2002 to 2019 for the U.S.

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Overall
First author	4.6	4.9	2.5	6.7	5.3	3.4	9.6	4.5	5.5	11.1	7.3	12.1	10.1	11.1	10.2	10.8	11.5	11.5	8.9
Middle author	31.8	24.6	28.3	33.3	24.3	26.2	32.6	30.1	35.4	34.4	30.6	39.9	36.8	38.9	40.7	35.3	39.7	40.5	35.6
Senior author	10.3	7.2	10.3	12.0	8.8	10.7	12.1	8.5	11.1	9.2	5.1	8.9	7.0	5.8	5.6	7.1	5.7	5.4	7.6
Leadership position	14.0	10.6	12.3	17.1	13.4	12.9	20.7	11.8	15.2	18.3	10.3	19.2	14.5	15.4	13.7	14.8	15.1	15.2	14.8

Appendix Table II

Female surgeons performing >10 total joint arthroplasty or spinal surgical procedures on Medicare beneficiaries (2012-2017)*

Orthopaedic subspecialty	CPT code	Percentage of female surgeons					
		2012	2013	2014	2015	2016	2017
Arthroplasty	27447						
	27130	2.8%	3.0%	2.7%	2.8%	3.0%	3.1%
Spine	63030						
	22551	1.6%	1.2%	2.1%	1.6%	1.6%	1.2%
	63047						

*Data limited to surgeons graduating medical school after 1994 given there very few female arthroplasty surgeons before the 21st century. Medicare data was only available for the years 2012-2017.

CPT = Current Procedural Terminology, 27447 = Total knee arthroplasty, 27130 = Total hip arthroplasty, 63030 = Microdiscectomy, 22551 = anterior cervical discectomy and fusion, 63047 = Lumbar spine decompression.