

Appendix

TABLE E-1 2016 Medicaid Reimbursements for the 10 Most Common Inpatient Orthopaedic Procedures

	Total Knee Arthroplasty	Total Hip Arthroplasty	Posterior or Posterolateral Interbody Lumbar Arthrodesis	Posterior Lumbar Arthrodesis	Lumbar Laminotomy	Lumbar Laminectomy	Anterior Cervical Decompression and Fusion	Open Reduction and Internal Fixation of the Femur	Open Reduction and Internal Fixation of the Tibia	Hip Hemiarthroplasty
ICD-9 code	81.54	81.51	81.62	81.62	80.51	80.51	81.02	79.35	79.36	81.52
CPT code	27447	27130	22633	22612	63030	63047	22551	27506	27759	27125
Alabama	\$1,255.00	\$1,163.00	\$1,156.09	\$1,105.00	\$730.00	\$823.00	\$1,247.53	\$928.00	\$738.00	\$778.00
Alaska	\$2,552.03†	\$2,390.50†	\$3,015.12†	\$2,609.54†	\$1,564.44	\$1,792.35	\$2,785.46†	\$2,211.61†	\$1,647.09†	\$1,872.04†
Arizona	\$1,196.01	\$1,196.32	\$1,644.37	\$1,407.12	\$913.91	\$1,041.32	\$1,521.49	\$1,179.80	\$879.73	\$999.28
Arkansas	\$2,475.00	\$2,261.00‡	\$1,965.50	\$1,109.36	\$1,511.78	\$1,807.85‡	\$2,198.17	\$1,343.10	\$1,125.30	\$1,343.10
California	\$1,489.20	\$1,489.20	\$1,514.84	\$1,192.48	\$893.52	\$912.88	\$1,422.88	\$801.19	\$722.26	\$1,042.44
Colorado	\$1,357.60	\$1,018.20	\$1,438.72	\$746.68**	\$697.81	\$903.48	\$1,300.92	\$712.74	\$799.29	\$848.50
Connecticut	\$903.16	\$838.47	\$1,161.56	\$915.19	\$540.29#	\$622.24	\$1,090.27	\$770.53	\$590.60	\$649.60
Delaware	\$4,360.65*	\$3,114.41*	\$6,972.28*	\$3,175.77*	\$3,060.19*	\$3,159.68*	\$5,792.77*	\$3,295.06*	\$2,462.69*	\$2,070.36*
Florida	\$757.33#	\$757.33§	\$1,038.07	\$891.71	\$545.43	\$620.83**	\$964.21	\$748.44	\$558.38**	\$634.37**
Georgia	\$1,403.35	\$1,326.70	\$1,577.87	\$1,330.57	\$815.83	\$975.66	\$1,454.32	\$1,088.39	\$903.81	\$982.25
Hawaii	\$1,492.58	\$1,385.91	\$1,135.85	\$1,200.94	\$738.67	\$882.74	\$1,068.88	\$982.50	\$819.11	\$891.37
Idaho	\$1,148.45	\$1,148.73	\$1,551.97	\$1,332.59	\$808.55	\$921.26	\$1,427.97	\$1,130.97	\$843.01	\$957.83
Illinois	\$1,473.35	\$1,749.50	\$1,132.79	\$1,198.70	\$1,129.30	\$1,129.30	\$1,062.48	\$910.10	\$839.35	\$1,026.65
Indiana	\$975.44	\$975.85	\$1,309.59	\$1,131.71	\$685.75	\$780.18	\$1,208.71	\$959.41	\$715.32	\$812.31
Iowa	\$1,475.63	\$1,394.46	\$1,586.14	\$1,398.16	\$852.03	\$1,020.57	\$1,489.77	\$1,146.77	\$950.09	\$1,031.78
Kentucky	\$1,373.97	\$1,300.74	\$1,471.52	\$1,225.89	\$839.37	\$921.29	\$1,517.32	\$959.33	\$792.21	\$914.33
Louisiana	\$991.24	\$925.76	\$1,232.56	\$1,010.49	\$603.91	\$688.36	\$875.77**	\$847.12	\$637.70	\$715.41
Maine	\$1,177.02	\$1,221.94	\$1,203.66	\$1,158.25	\$788.97	\$887.75	\$1,117.98	\$800.63	\$601.76	\$676.29
Maryland	\$1,481.55	\$1,379.08	\$2,006.97	\$1,509.53	\$904.37	\$1,032.80	\$1,844.50	\$1,267.88	\$964.39	\$1,068.22
Massachusetts	\$1,134.85	\$1,061.44	\$1,328.02	\$1,162.85	\$704.19	\$800.64	\$1,262.79	\$985.14	\$737.63	\$832.51
Michigan	\$774.77**	\$774.97#	\$1,069.54	\$915.62	\$558.44	\$636.50	\$990.50	\$763.87	\$569.93	\$647.19
Minnesota	\$927.68	\$927.93	\$1,231.94	\$1,064.79	\$648.92	\$737.04	\$1,131.20	\$917.33	\$685.28	\$777.19
Mississippi	\$1,146.60	\$1,146.88	\$1,560.47	\$1,337.10	\$810.62	\$924.57	\$1,437.90	\$1,127.95	\$840.38	\$955.31
Missouri	\$887.39	\$899.91	\$1,172.11	\$905.51	\$541.15**	\$647.71	\$1,094.48	\$758.17	\$575.84	\$638.96
Montana	\$1,480.78	\$1,481.15	\$2,071.11	\$1,764.77	\$1,079.46	\$1,231.65	\$1,924.64	\$1,459.73	\$1,087.96	\$1,236.49
Nebraska	\$2,063.02	\$1,764.42	\$1,900.15	\$1,628.70	\$1,628.70‡	\$1,900.15†	\$2,578.77‡	\$1,248.67	\$689.48	\$1,465.83
Nevada	\$1,366.16	\$1,366.90	\$1,859.29	\$1,607.37	\$980.44	\$1,113.76	\$1,729.36	\$1,345.53	\$1,003.65	\$1,139.32
New Hampshire	\$1,129.85	\$850.00	\$804.06#	\$1,146.62	\$685.94	\$783.39	\$752.65§	\$446.00#	\$702.00	\$600.00#
New Jersey	\$604.00§	\$845.00	\$1,031.75	\$645.00§	\$899.00	\$665.00	\$931.28	\$272.00§	\$314.00§	\$483.00§
New Mexico	\$1,460.10	\$1,353.08	\$1,807.87	\$1,451.01	\$855.01	\$1,014.37	\$1,718.00	\$1,215.97	\$966.58	\$1,018.62
New York	\$890.00	\$828.44	\$842.84**	\$906.34	\$542.84	\$620.05#	\$803.78#	\$761.84	\$579.47	\$641.87
North Carolina	\$1,148.49	\$1,072.82	\$1,034.76	\$1,165.46	\$694.91	\$793.25	\$1,356.32	\$983.87	\$740.20	\$830.95
North Dakota	\$1,976.41	\$1,976.94	\$2,670.85‡	\$2,295.57‡	\$1,398.94	\$1,592.13	\$2,460.19	\$1,951.00‡	\$1,455.58‡	\$1,652.47‡
Ohio	\$1,228.01	\$1,154.31	\$695.98§	\$1,116.73	\$690.02	\$870.78	\$1,136.58	\$904.04	\$748.16	\$841.12

Oklahoma	\$1,135.93	\$1,136.20	\$1,565.63	\$1,337.44	\$812.34	\$927.31	\$1,447.56	\$1,117.22	\$832.17	\$946.28
Oregon	\$956.75	\$957.00	\$1,302.84	\$1,118.53	\$680.68	\$775.24	\$1,201.86	\$943.35	\$703.92	\$799.17
Pennsylvania	\$1,000.00	\$1,000.00	\$1,469.90	\$936.00	\$825.82	\$951.59	\$1,389.62	\$660.00	\$562.00	\$972.00
Rhode Island	\$814.80	\$814.80	\$1,130.87	\$730.80#	\$537.60§	\$537.60§	\$1,055.53	\$542.40**	\$378.00#	\$714.00
South Carolina	\$1,040.94	\$972.61	\$938.64	\$1,053.30	\$625.81	\$715.54	\$974.97	\$892.61	\$670.86	\$754.00
South Dakota	\$2,528.15‡	\$1,766.35	\$1,810.03	\$2,192.84	\$1,856.24†	\$1,802.59	\$1,635.87	\$1,720.49	\$1,129.33	\$1,052.09
Texas	\$1,047.03	\$1,047.30	\$1,448.53	\$1,237.62	\$743.11	\$844.68	\$1,342.41	\$1,032.60	\$769.84	\$874.62
Utah	\$1,117.70	\$1,117.96	\$1,563.45	\$1,331.34	\$811.77	\$927.08	\$1,451.81	\$1,100.00	\$819.36	\$931.76
Vermont	\$1,089.80	\$1,089.99	\$1,472.96	\$1,268.74	\$774.66	\$880.91	\$1,361.31	\$1,077.22	\$804.18	\$912.86
Virginia	\$1,196.38	\$1,196.38	\$1,639.87	\$1,408.66	\$861.63	\$980.74	\$1,523.19	\$1,182.33	\$882.09	\$1,002.13
Washington	\$806.47	\$806.68**	\$1,082.93	\$933.23	\$569.07	\$646.79	\$995.87	\$796.91	\$595.19	\$675.03
Washington, D.C.	\$1,267.24	\$1,267.58	\$1,758.65	\$1,505.49	\$923.62	\$1,051.42	\$1,633.10	\$1,252.68	\$935.50	\$1,061.39
West Virginia	\$995.14	\$995.40	\$1,400.18	\$1,192.01	\$723.17	\$827.14	\$1,300.69	\$976.76	\$727.65	\$827.66
Wisconsin	\$1,336.79	\$1,249.05	\$1,366.76	\$1,351.63	\$803.01	\$918.27	\$1,181.90	\$1,071.38	\$861.95	\$968.76
Wyoming	\$1,503.64	\$1,407.74	\$1,730.81	\$1,535.99	\$932.35	\$1,054.58	\$1,164.40	\$1,289.27	\$966.57	\$1,089.93

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**These values are the third-lowest reimbursement for each procedure.

TABLE E-2 2016 Medicare Wage Index-Adjusted Medicaid Reimbursements for the 10 Most Common Inpatient Orthopaedic Procedures (Medicare Wage Index-Adjusted Medicaid Reimbursement = Medicaid Reimbursement \times Medicare Wage Index)

	Medicare Wage Index	Total Knee Arthroplasty	Total Hip Arthroplasty	Posterior or Posterolateral Interbody Lumbar Arthrodesis	Posterior Lumbar Arthrodesis	Lumbar Laminotomy	Lumbar Laminectomy	Anterior Cervical Decompression and Fusion	Open Reduction and Internal Fixation of the Femur	Open Reduction and Internal Fixation of the Tibia	Hip Hemiarthroplasty
ICD-9 code		81.54	81.51	81.62	81.62	80.51	80.51	81.02	79.35	79.36	81.52
CPT code		27447	27130	22633	22612	63030	63047	22551	27506	27759	27125
Alabama	0.6875	\$863	\$800	\$795**	\$760	\$502†	\$566	\$858	\$638	\$507	\$535
Alaska	1.3038	\$3,327†	\$3,117*	\$3,931†	\$3,402*	\$2,040	\$2,337†	\$3,632†	\$2,883†	\$2,147†	\$2,441*
Arizona	0.9376	\$1,121	\$1,122	\$1,542	\$1,319	\$857	\$976	\$1,427	\$1,106	\$825	\$937
Arkansas	0.7302	\$1,807	\$1,651	\$1,435	\$810	\$1,104	\$1,320	\$1,605	\$981	\$822	\$981
California	1.3017	\$1,938	\$1,938	\$1,972	\$1,552	\$1,163	\$1,188	\$1,852	\$1,043	\$940	\$1,357
Colorado	0.9620	\$1,306	\$980	\$1,384	\$718**	\$671	\$869	\$1,251	\$686	\$769	\$816
Connecticut	1.1286	\$1,019	\$946	\$1,311	\$1,033	\$610	\$702	\$1,230	\$870	\$667	\$733
Delaware	0.9160	\$3,994*	\$2,853†	\$6,387*	\$2,909†	\$2,803*	\$2,894*	\$5,306*	\$3,018*	\$2,256*	\$1,896†
Florida	0.8328	\$631§	\$631§	\$865	\$743	\$454**	\$517**	\$803	\$623	\$465	\$528
Georgia	0.7417	\$1,041	\$984	\$1,170	\$987	\$605	\$724	\$1,079	\$807	\$670	\$729
Hawaii	1.1048	\$1,649	\$1,531	\$1,255	\$1,327	\$816	\$975	\$1,181	\$1,085	\$905	\$985
Idaho	0.7339	\$843	\$843	\$1,139	\$978	\$593	\$676	\$1,048	\$830	\$619	\$703
Illinois	0.8400	\$1,238	\$1,470	\$952	\$1,007	\$949	\$949	\$892	\$764	\$705	\$862
Indiana	0.8189	\$799	\$799	\$1,072	\$927	\$562	\$639	\$990	\$786	\$586	\$665
Iowa	0.8275	\$1,221	\$1,154	\$1,313	\$1,157	\$705	\$845	\$1,233	\$949	\$786	\$854
Kentucky	0.7714	\$1,060	\$1,003	\$1,135	\$946	\$647	\$711	\$1,170	\$740	\$611	\$705
Louisiana	0.7045	\$698	\$652**	\$868	\$712#	\$425§	\$485§	\$617§	\$597	\$449**	\$504§
Maine	0.8549	\$1,006	\$1,045	\$1,029	\$990	\$674	\$759	\$956	\$684	\$514	\$578
Maryland	0.8597	\$1,274	\$1,186	\$1,725	\$1,298	\$777	\$888	\$1,586	\$1,090	\$829	\$918
Massachusetts	1.2956	\$1,470	\$1,375	\$1,721	\$1,507	\$912	\$1,037	\$1,636	\$1,276	\$956	\$1,079
Michigan	0.8279	\$641#	\$642#	\$885	\$758	\$462	\$527	\$820	\$632	\$472	\$536
Minnesota	0.9007	\$836	\$836	\$1,110	\$959	\$584	\$664	\$1,019	\$826	\$617	\$700
Mississippi	0.7315	\$839	\$839	\$1,141	\$978	\$593	\$676	\$1,052	\$825	\$615	\$699
Missouri	0.7950	\$705	\$715	\$932	\$720	\$430#	\$515#	\$870	\$603	\$458	\$508#
Montana	1.0000	\$1,481	\$1,481	\$2,071	\$1,765	\$1,079	\$1,232	\$1,925	\$1,460	\$1,088	\$1,236
Nebraska	0.8797	\$1,815	\$1,552	\$1,672	\$1,433	\$1,433	\$1,672	\$2,269	\$1,098	\$607	\$1,289
Nevada	1.0132	\$1,384	\$1,385	\$1,884	\$1,629	\$993	\$1,128	\$1,752	\$1,363	\$1,017	\$1,154
New Hampshire	1.0447	\$1,180	\$888	\$840	\$1,198	\$717	\$818	\$786**	\$466#	\$733	\$627
New Jersey	1.0777	\$651**	\$911	\$1,112	\$695§	\$969	\$717	\$1,004	\$293§	\$338§	\$521**
New Mexico	0.8822	\$1,288	\$1,194	\$1,595	\$1,280	\$754	\$895	\$1,516	\$1,073	\$853	\$899
New York	0.8875	\$790	\$735	\$748#	\$804	\$482	\$550	\$713#	\$676	\$514	\$570
North Carolina	0.8608	\$989	\$923	\$891	\$1,003	\$598	\$683	\$1,168	\$847	\$637	\$715
North Dakota	1.0000	\$1,976	\$1,977†	\$2,671†	\$2,296†	\$1,399	\$1,592	\$2,460†	\$1,951†	\$1,456†	\$1,652†

Ohio	0.8755	\$1,075	\$1,011	\$609§	\$978	\$604	\$762	\$995	\$791	\$655	\$736
Oklahoma	0.8281	\$941	\$941	\$1,296	\$1,108	\$673	\$768	\$1,199	\$925	\$689	\$784
Oregon	1.0154	\$971	\$972	\$1,323	\$1,136	\$691	\$787	\$1,220	\$958	\$715	\$811
Pennsylvania	0.8621	\$862	\$862	\$1,267	\$807	\$712	\$820	\$1,198	\$569**	\$485	\$838
Rhode Island	1.1036	\$899	\$899	\$1,248	\$807	\$593	\$593	\$1,165	\$599	\$417#	\$788
South Carolina	0.8696	\$905	\$846	\$816	\$916	\$544	\$622	\$848	\$776	\$583	\$656
South Dakota	1.0000	\$2,528‡	\$1,766	\$1,810	\$2,193	\$1,856‡	\$1,803‡	\$1,636	\$1,720	\$1,129	\$1,052
Texas	0.8387	\$878	\$878	\$1,215	\$1,038	\$623	\$708	\$1,126	\$866	\$646	\$734
Utah	0.9421	\$1,053	\$1,053	\$1,473	\$1,254	\$765	\$873	\$1,368	\$1,036	\$772	\$878
Vermont	0.9670	\$1,054	\$1,054	\$1,424	\$1,227	\$749	\$852	\$1,316	\$1,042	\$778	\$883
Virginia	0.8452	\$1,011	\$1,011	\$1,386	\$1,191	\$728	\$829	\$1,287	\$999	\$746	\$847
Washington	1.0857	\$876	\$876	\$1,176	\$1,013	\$618	\$702	\$1,081	\$865	\$646	\$733
Washington, D.C.	1.0205	\$1,293	\$1,294	\$1,795	\$1,536	\$943	\$1,073	\$1,667	\$1,278	\$955	\$1,083
West Virginia	0.8082	\$804	\$804	\$1,132	\$963	\$584	\$668	\$1,051	\$789	\$588	\$669
Wisconsin	0.9221	\$1,233	\$1,152	\$1,260	\$1,246	\$740	\$847	\$1,090	\$988	\$795	\$893
Wyoming	1.0000	\$1,504	\$1,408	\$1,731	\$1,536	\$932	\$1,055	\$1,164	\$1,289	\$967	\$1,090

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