

**Table 1B: Medicare Utilization and Reimbursement for Fee-for-Service Beneficiaries
Ever Diagnosed with Congestive Heart Failure (CHF), Calendar Year 2015
(Based on the 5% Part A & B Limited Data Sets)**

Measure	All Beneficiaries with CHF	Beneficiaries with CHF & Depression	Beneficiaries with CHF & Chronic Kidney Disease	All Beneficiaries with CHF	Beneficiaries with CHF & Depression	Beneficiaries with CHF & Chronic Kidney Disease
Number of beneficiaries	318,529	77,754	124,923			
Months of eligibility in 2015	3,604,666	878,114	1,369,623			
Utilization, Part A and B	Events			Events Per 1,000 months		
E&M carrier visits (excludes FQHC/RHC/outpatient)	6,089,810	2,302,951	3,290,417	1,689	2,623	2,402
Primary-care physicians	2,570,770	1,003,686	1,468,791	713	1,143	1,072
Other physicians	2,298,295	785,962	1,223,271	638	895	893
Other practitioners	1,176,566	501,738	581,575	326	571	425
Other Part B providers	44,179	11,565	16,780	12	13	12
Acute hospital inpatient stays	190,816	82,608	129,710	53	94	95
Related to CHF	125,008	51,950	90,706	35	59	66
Emergency Department visits (outpatient)	238,534	98,954	119,835	66	113	87
Related to CHF	92,268	37,514	51,300	26	43	37
Observation stays	37,329	15,489	20,114	10	18	15
Related to CHF	24,379	9,906	13,682	7	11	10
SNF stays	64,763	35,422	45,075	18	40	33
HHA visits (unique service dates)	2,208,253	996,446	1,323,936	613	1,135	967
Hospice admissions	40,055	11,860	20,062	11	14	15
E&M Reimbursement by Provider Type & Specialty	Total \$			\$ Per Beneficiary Per Month		
Total, all providers and specialties	\$541,928,260	\$213,803,404	\$315,634,110	\$150	\$243	\$230
Total, physicians	489,330,583	185,236,910	287,606,746	136	211	210
Total, practitioners	52,494,212	28,537,272	27,974,230	15	32	20
Total, other providers	103,464	29,225	53,134	0	0	0
Physician / Internal medicine	\$134,089,759	\$54,736,055	\$83,869,994	\$37	\$62	\$61
Physician / Family practice	54,820,861	20,783,119	29,150,937	15	24	21
Physician / Cardiology	46,309,945	13,769,995	27,597,953	13	16	20
Physician / Emergency medicine	39,522,964	17,138,639	24,103,471	11	20	18
Physician / Pulmonary disease	24,414,512	9,808,154	16,817,071	7	11	12
Nurse practitioner	28,343,558	14,301,241	16,199,473	8	16	12

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Physician / Nephrology	14,229,147	5,132,277	13,546,410	4	6	10
Physician / Ophthalmology	23,581,668	4,943,906	9,415,048	7	6	7
Physician / Infectious disease	9,777,660	4,669,089	7,700,364	3	5	6
Physician assistant	11,961,195	5,052,353	6,564,272	3	6	5
Physician / Neurology	10,672,172	4,597,522	5,698,094	3	5	4
Physician / Physical medicine and rehabilitation	9,305,395	4,578,155	5,667,434	3	5	4
Physician / Hematology/oncology	9,301,568	2,769,310	5,608,439	3	3	4
Physician / Gastroenterology	8,861,490	3,335,489	5,347,150	2	4	4
Podiatry	9,497,067	3,079,029	4,670,790	3	4	3
Physician / Psychiatry	9,704,112	7,813,418	4,412,883	3	9	3
Physician / Urology	7,903,216	2,121,342	4,347,532	2	2	3
Physician / General surgery	6,886,863	2,696,234	4,155,694	2	3	3
Physician / Critical care (intensivists)	4,353,819	1,779,579	3,316,889	1	2	2
Optometry	8,019,294	2,357,815	3,198,847	2	3	2
Physician / Orthopedic surgery	7,544,293	2,401,361	3,125,918	2	3	2
Physician / Endocrinology	4,526,149	1,439,320	3,080,227	1	2	2
Clinical psychologist	6,319,693	5,279,328	2,918,563	2	6	2
Physician / Dermatology	5,564,533	1,135,139	2,080,776	2	1	2
Interventional cardiology	3,285,593	981,838	1,962,119	1	1	1
Physician / Geriatric medicine	3,274,299	1,635,393	1,919,115	1	2	1
Physician / General practice	3,746,524	1,511,833	1,883,173	1	2	1
Physician / Otolaryngology	4,303,523	1,138,714	1,685,668	1	1	1
Licensed clinical social worker	3,345,212	2,867,782	1,265,745	1	3	1
Physician / Interventional Pain Management (IPM)	1,399,453	592,560	624,160	0	1	0
All others	27,062,722	9,357,418	13,699,901	8	11	10
E&M Reimbursement Related to CHF, by Provider Type & Specialty	Total \$			\$ Per Beneficiary Per Month		
Total, all providers & specialties	\$64,027,196	\$23,304,054	\$42,084,100	\$18	\$27	\$31
Total, physicians	59,539,104	21,408,554	39,169,812	17	24	29
Total, practitioners	4,421,457	1,877,645	2,880,827	1	2	2

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Total, other providers	66,638	17,853	33,459	0	0	0
Physician / Internal medicine	\$17,981,291	\$6,890,427	\$12,335,890	\$5	\$8	\$9
Physician / Cardiology	18,780,353	5,982,136	12,089,594	5	7	9
Physician / Emergency medicine	8,033,397	3,230,535	5,125,812	2	4	4
Physician / Family practice	6,114,789	2,237,580	3,779,753	2	3	3
Nurse practitioner	3,175,690	1,380,541	2,093,877	1	2	2
Physician / Pulmonary disease	2,479,744	900,946	1,766,192	1	1	1
Physician assistant	1,186,685	468,884	748,890	0	1	1
Physician / Cardiac electrophysiology	1,542,788	425,089	876,301	0	0	1
Interventional cardiology	1,201,421	386,700	782,125	0	0	1
Physician / Geriatric medicine	389,166	181,302	264,876	0	0	0
Physician / Critical care (intensivists)	443,155	180,507	350,179	0	0	0
Physician / Nephrology	385,525	141,118	337,514	0	0	0
Physician / General practice	303,781	124,897	176,940	0	0	0
Physician / Physical medicine and rehabilitation	199,829	98,346	161,139	0	0	0
Physician / Infectious disease	170,653	81,584	131,217	0	0	0
Physician / General surgery	165,259	65,838	104,025	0	0	0
Podiatry	172,944	59,223	89,076	0	0	0
Physician / Neurology	111,338	43,665	76,081	0	0	0
Physician / Cardiac surgery	105,953	42,339	74,882	0	0	0
Physician / Hospice and palliative care	92,738	37,188	72,653	0	0	0
Physician / Anesthesiology	97,177	36,779	78,767	0	0	0
Physician / Gastroenterology	102,406	33,978	63,497	0	0	0
Physician / Hematology/oncology	84,874	23,124	60,838	0	0	0
Certified clinical nurse specialist	49,427	23,001	31,781	0	0	0
Physician / Vascular surgery	76,350	22,528	43,804	0	0	0
All others	507,380	23,304,052	42,084,098	0	0	0

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Non-E&M Reimbursement, by Provider Type & Specialty	Total \$			\$ Per Beneficiary Per Month		
Total, all providers & specialties	\$271,379,839	\$79,203,187	\$128,282,815	\$75	\$90	\$94
Total, physicians	207,684,959	61,009,054	102,767,847	58	69	75
Total, practitioners	36,290,938	11,049,759	15,272,285	10	13	11
Total, other providers	27,403,944	7,144,376	10,242,685	8	8	7
Ambulatory surgical center	\$26,898,265	\$7,060,340	\$10,037,167	\$7	\$8	\$7
Physician / Anesthesiology	15,853,242	5,550,054	8,339,851	4	6	6
Physician / Dermatology	20,088,958	3,446,286	8,134,889	6	4	6
Physician / Orthopedic surgery	18,176,055	7,110,898	8,123,470	5	8	6
Physician / Ophthalmology	19,922,260	4,356,114	8,003,504	6	5	6
Physician / Cardiology	13,353,839	3,440,313	7,589,187	4	4	6
Podiatry	15,233,664	4,692,975	7,425,838	4	5	5
Physical therapist in private practice	18,981,788	5,162,818	6,848,269	5	6	5
Physician / General surgery	11,462,830	4,004,018	6,425,707	3	5	5
Physician / Radiation oncology	12,665,495	2,936,011	5,984,522	4	3	4
CRNA	9,407,940	3,263,663	4,819,050	3	4	4
Physician / Urology	8,317,114	2,108,651	4,735,980	2	2	3
Physician / Vascular surgery	6,207,537	2,135,978	3,933,761	2	2	3
Physician / Gastroenterology	6,935,668	2,185,073	3,420,054	2	2	2
Physician / Diagnostic radiology	3,980,581	1,297,974	2,407,445	1	1	2
Physician / Internal medicine	4,377,427	1,348,233	2,209,698	1	2	2
Physician / Hematology/oncology	3,767,912	899,115	2,125,467	1	1	2
Physician / Neurosurgery	4,219,117	1,744,133	1,983,951	1	2	1
Physician / Otolaryngology	5,081,826	1,256,119	1,925,094	1	1	1
Physician / Cardiac surgery	2,983,198	895,925	1,916,830	1	1	1
Physician / Thoracic surgery	3,052,014	991,640	1,911,055	1	1	1
Physician / Cardiac electrophysiology	3,418,574	828,171	1,764,642	1	1	1

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Physician / Family practice	3,612,468	1,233,075	1,754,623	1	1	1
Physician assistant	3,439,989	1,030,057	1,681,269	1	1	1
Interventional cardiology	2,293,595	728,817	1,364,940	1	1	1
Physician / Plastic and reconstructive surgery	2,470,071	822,365	1,218,415	1	1	1
Occupational therapist in private practice	2,146,617	843,988	800,249	1	1	1
All others	23,031,797	7,830,385	11,397,890	6	9	8
Non-E&M Reimbursement Related to CHF, by Provider Type & Specialty	Total \$			\$ Per Beneficiary Per Month		
Total, all providers & specialties	\$6,234,319	\$1,664,905	3,466,460	\$2	\$2	\$3
Total, physicians	5,590,471	1,483,103	3,129,313	2	2	2
Total, practitioners	500,813	151,300	285,744	0	0	0
Total, other providers	143,033	30,497	51,404	0	0	0
Physician / Cardiology	\$1,950,366	\$506,133	\$1,060,529	\$1	\$1	\$1
Physician / Cardiac electrophysiology	1,627,264	376,342	804,509	0	0	1
Physician / Anesthesiology	678,010	169,146	391,470	0	0	0
CRNA	369,631	105,174	204,361	0	0	0
Physician / Emergency medicine	279,151	84,538	183,815	0	0	0
Physician / Cardiac surgery	172,022	66,488	126,062	0	0	0
Interventional cardiology	211,576	66,624	123,946	0	0	0
Physician / Internal medicine	195,741	55,327	112,849	0	0	0
Physician / Thoracic surgery	112,752	36,772	95,620	0	0	0
Ambulatory surgical center	139,175	29,893	49,958	0	0	0
Physician / Pulmonary disease	63,821	19,222	47,176	0	0	0
Physical therapist in private practice	50,773	17,359	30,836	0	0	0
Physician / Family practice	59,231	19,297	30,395	0	0	0
Physician / General surgery	40,881	12,114	28,124	0	0	0
Physician / Critical care (intensivists)	32,828	11,163	27,645	0	0	0
Podiatry	37,502	10,574	22,514	0	0	0
Physician assistant	22,926	8,489	15,866	0	0	0

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Nurse practitioner	26,002	8,652	15,751	0	0	0
Physician / Diagnostic radiology	34,954	19,691	14,995	0	0	0
Physician / Nephrology	13,127	4,309	12,698	0	0	0
Occupational therapist in private practice	18,138	8,126	10,820	0	0	0
Physician / Vascular surgery	12,183	4,672	8,307	0	0	0
Anesthesiologist Assistant	13,013	3,294	7,992	0	0	0
Physician / Gastroenterology	10,225	3,836	5,733	0	0	0
Physician / Otolaryngology	9,637	5,077	5,154	0	0	0
All others	53,388	12,588	29,336	0	0	0
Other Part B Reimbursement	Total \$			\$ Per Beneficiary Per Month		
Outpatient Emergency Department	\$83,456,841	\$35,343,926	\$43,498,801	\$23	\$40	\$32
Emergency Department related to CHF	39,969,655	16,470,253	22,459,081	11	19	16
Lab and tests	342,287,684	107,698,045	163,322,857	95	123	119
Labs and Tests related to CHF	63,081,804	20,262,636	32,256,416	18	23	24
Part B drugs	1,342,809	393,175	659,984	0	0	0
Part B drugs related to CHF	348,662	138,161	186,590	0	0	0
Durable Medical Equipment	157,563,953	51,679,641	83,444,336	44	59	61
Other Part B services	794,176,777	258,947,232	397,583,888	220	295	290
Other Part B services related to CHF	208,540,236	61,390,975	109,078,941	58	70	80
Part A Reimbursement	Total \$			\$ Per Beneficiary Per Month		
Inpatient	\$2,253,015,366	\$990,888,405	\$1,589,983,805	\$625	\$1,128	\$1,161
Inpatient related to CHF	1,520,237,978	638,334,569	1,141,936,884	422	727	834
Skilled Nursing Facility	674,849,286	375,915,133	460,069,307	187	428	336
Home Health	416,678,401	187,160,315	246,656,075	116	213	180
Hospice	273,302,491	80,613,453	126,595,914	76	92	92
Total Part A & B Reimbursement	Total \$			\$ Per Beneficiary Per Month		
Part A and B	\$5,804,584,757	\$2,379,623,856	\$3,552,432,413	\$1,610	\$2,710	\$2,594
Part A	3,617,845,544	1,634,577,306	2,423,305,101	1,004	1,861	1,769

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Part B	2,186,739,213	745,046,550	1,129,127,312	607	848	824

NOTES

- Population includes Medicare Fee-for-service beneficiaries eligible for Parts A&B in 2015. Initial diagnosis of CHF must have occurred in calendar year 2014 or earlier. Excludes patients with ESRD, not covered by Parts A&B for one or more months in 2015, enrolled in a Medicare Advantage plan, and residing outside the 50 states or DC.
- Reimbursement totals are based on Calendar Year 2015 claims, as reported in the Medicare 5% Limited Data Sets.
- Patients with CHF are identified as those with at least 1 inpatient, hospital outpatient or carrier claim with the following ICD-9 codes: DX 398.91, 402.01, 402.11, 402.91, 404.01, 404.03, 404.11, 404.13, 404.91, 404.93, 428.0, 428.1, 428.20, 428.21, 428.22, 428.23, 428.30, 428.31, 428.32, 428.33, 428.40, 428.41, 428.42, 428.43, 428.9 OR ICD-10 DX I09.81, I11.0, I13.0, I13.2, I50.1, I50.20, I50.21, I50.22, I50.23, I50.30, I50.31, I50.32, I50.33, I50.40, I50.41, I50.42, I50.43, I50.9. Patients with depression are identified as those with at least 1 inpatient, SNF, HHA, hospital outpatient or carrier claim with the following ICD-9 codes: DX 296.20, 296.21, 296.22, 296.23, 296.24, 296.25, 296.26, 296.30, 296.31, 296.32, 296.33, 296.34, 296.35, 296.36, 296.50, 296.51, 296.52, 296.53, 296.54, 296.55, 296.56, 296.60, 296.61, 296.62, 296.63, 296.64, 296.65, 296.66, 296.89, 298.0, 300.4, 309.1, 311 OR ICD-10 codes F31.30, F31.31, F31.32, F31.4, F31.5, F31.60, F31.61, F31.62, F31.63, F31.64, F31.75, F31.76, F31.77, F31.78, F31.81, F32.0, F32.1, F32.2, F32.3, F32.4, F32.5, F32.9, F33.0, F33.1, F33.2, F33.3, F33.40, F33.41, F33.42, F33.9, F34.1, F43.21.
- Patients with depression are identified as those with at least 1 inpatient, SNF, HHA, hospital outpatient or carrier claim with the following ICD-9 codes: DX 296.20, 296.21, 296.22, 296.23, 296.24, 296.25, 296.26, 296.30, 296.31, 296.32, 296.33, 296.34, 296.35, 296.36, 296.50, 296.51, 296.52, 296.53, 296.54, 296.55, 296.56, 296.60, 296.61, 296.62, 296.63, 296.64, 296.65, 296.66, 296.89, 298.0, 300.4, 309.1, 311 OR ICD-10 codes F31.30, F31.31, F31.32, F31.4, F31.5, F31.60, F31.61, F31.62, F31.63, F31.64, F31.75, F31.76, F31.77, F31.78, F31.81, F32.0, F32.1, F32.2, F32.3, F32.4, F32.5, F32.9, F33.0, F33.1, F33.2, F33.3, F33.40, F33.41, F33.42, F33.9, F34.1, F43.21.
- Patients with chronic kidney disease are identified as those with at least 1 inpatient, SNF, or HHA or 2 hospital outpatient or carrier claims with the following ICD-9 codes: DX 016.00, 016.01, 016.02, 016.03, 016.04, 016.05, 016.06, 095.4, 189.0, 189.9, 223.0, 236.91, 249.40, 249.41, 250.40, 250.41, 250.42, 250.43, 271.4, 274.10, 283.11, 403.01, 403.11, 403.91, 404.02, 404.03, 404.12, 404.13, 404.92, 404.93, 440.1, 442.1, 572.4, 580.0, 580.4, 580.81, 580.89, 580.9, 581.0, 581.1, 581.2, 581.3, 581.81, 581.89, 581.9, 582.0, 582.1, 582.2, 582.4, 582.81, 582.89, 582.9, 583.0, 583.1, 583.2, 583.4, 583.6, 583.7, 583.81, 583.89, 583.9, 584.5, 584.6, 584.7, 584.8, 584.9, 585.1, 585.2, 585.3, 585.4, 585.5, 585.6, 585.9, 586, 587, 588.0, 588.1, 588.81, 588.89, 588.9, 591, 753.12, 753.13, 753.14, 753.15, 753.16, 753.17, 753.19, 753.20, 753.21, 753.22, 753.23, 753.29, 794.4 OR ICD-10 codes A18.11, A52.75, B52.0, C64.1, C64.2, C64.9, C68.9, D30.00, D30.01, D30.02, D41.00, D41.01, D41.02, D41.10, D41.11, D41.12, D41.20, D41.21, D41.22, D59.3, E08.21, E08.22, E08.29, E08.65, E09.21, E09.22, E09.29, E10.21, E10.22, E10.29, E10.65, E11.21, E11.22, E11.29, E11.65, E13.21, E13.22, E13.29, E74.8, I12.0, I13.11, I13.2, I70.1, I72.2, K76.7, M10.30, M10.311, M10.312, M10.319, M10.321, M10.322, M10.329, M10.331, M10.332, M10.339, M10.341, M10.342, M10.349, M10.351, M10.352, M10.359, M10.361, M10.362, M10.369, M10.371, M10.372, M10.379, M10.38, M10.39, M32.14, M32.15, M35.04, N00.0, N00.1, N00.2, N00.3, N00.4, N00.5, N00.6, N00.7, N00.8, N00.9, N01.0, N01.1, N01.2, N01.3, N01.4, N01.5, N01.6, N01.7, N01.8, N01.9, N02.0, N02.1, N02.2, N02.3, N02.4, N02.5, N02.6, N02.7, N02.8, N02.9, N03.0, N03.1, N03.2, N03.3, N03.4, N03.5, N03.6, N03.7, N03.8, N03.9, N04.0, N04.1, N04.2, N04.3, N04.4, N04.5, N04.6, N04.7, N04.8, N04.9, N05.0, N05.1, N05.2, N05.3, N05.4, N05.5, N05.6, N05.7, N05.8, N05.9, N06.0, N06.1, N06.2, N06.3, N06.4, N06.5, N06.6, N06.7, N06.8, N06.9, N07.0, N07.1, N07.2, N07.3, N07.4, N07.5, N07.6, N07.7, N07.8, N07.9, N08, N13.1, N13.2, N13.30, N13.39, N14.0, N14.1, N14.2, N14.3, N14.4, N15.0, N15.8, N15.9, N16, N17.0, N17.1, N17.2, N17.8, N17.9, N18.1, N18.2, N18.3, N18.4, N18.5, N18.6, N18.9, N19, N25.0, N25.1, N25.81, N25.89, N25.9, N26.1, N26.9, Q61.02, Q61.11, Q61.19, Q61.2, Q61.3, Q61.4, Q61.5, Q61.8, Q62.0, Q62.2, Q62.10, Q62.11, Q62.12, Q62.31, Q62.32, Q62.39, R94.4.