

CMS 2008 Basic Stand Alone (BSA) Outpatient Procedures Public Use File (PUF)

Data Dictionary and Codebook

This is a procedure (or HCPCS) level file with the following variables. See the General Documentation for an overview of file contents, data source, information about exclusions, and analytic utility.

OP_PROC_ID

This field contains a cryptographic procedure ID. As this is a procedure-level file, each row on the file has a unique value for OP_PROC_ID. This ID cannot be used to link to any other data files released by CMS or other sources.

BENE_SEX_IDENT_CD

This field indicates the sex of the beneficiary.

Variable Value	Formatted Value	Frequency	Frequency (%)
1	Male	13,433,146	42.374
2	Female	18,268,353	57.626

Note: Percentages may not add up to 100% due to rounding.

BENE_AGE_CAT_CD

This categorical variable is based on the beneficiary's age at end of the reference year (2008). In the event the beneficiary died during the reference year, the age at the date of death is used.

Variable Value	Formatted Value	Frequency	Frequency (%)
1	Under 65	8,005,409	25.252
2	65 - 69	4,766,797	15.037
3	70 - 74	5,036,943	15.889
4	75 - 79	4,777,392	15.070
5	80 - 84	4,340,274	13.691
6	85 and older	4,774,684	15.061

Note: Percentages may not add up to 100% due to rounding.

OP_CLM_ICD9_DIAG_CD

This variable indicates the primary ICD-9-CM diagnosis code (International Classification of Diseases, version 9, Clinical Modification) associated with the claim. In the PUF, ICD-9-CM diagnosis codes are provided at the three-digit level by truncation of the actual code. The actual ICD-9-CM diagnosis codes (ICD9_DGNS_CD_1) in Medicare outpatient claims include up to five digits. There are 858 unique ICD-9-CM diagnosis codes in the PUF. The descriptions of the codes are available in the Data Users' Guide (SAS read-in program) for the CMS 2008 BSA Outpatient Procedures PUF. The frequencies by ranges of ICD-9-CM diagnosis codes are provided below.

Variable Value Range ⁽¹⁾	Formatted Value	Frequency	Frequency (%)
	Missing	4	0.000
001 - 139	Infectious and parasitic diseases	236,251	0.745
140 - 239	Neoplasms	1,419,346	4.477
240 - 279	Endocrine, nutritional and metabolic diseases, and immunity disorders	2,622,043	8.271
280 - 289	Diseases of the blood and blood-forming organs	886,229	2.796
290 - 319	Mental disorders	713,189	2.250
320 - 359	Diseases of the nervous system	493,201	1.556
360 - 389	Diseases of the sense organs	220,229	0.695
390 - 459	Diseases of the circulatory system	3,607,230	11.379
460 - 519	Diseases of the respiratory system	995,384	3.140
520 - 579	Diseases of the digestive system	754,342	2.380
580 - 629	Diseases of the genitourinary system	7,556,164	23.835
630 - 679	Complications of pregnancy, childbirth, and the puerperium	11,850	0.037
680 - 709	Diseases of the skin and subcutaneous tissue	347,545	1.096
710 - 739	Diseases of the musculoskeletal system and connective tissue	3,138,590	9.900
740 - 759	Congenital anomalies	16,352	0.052
760 - 779	Certain conditions originating in the perinatal period	6	0.000
780 - 799	Symptoms, signs, and ill-defined conditions	4,033,801	12.724
800 - 999	Injury and poisoning	1,163,497	3.670
V codes	Factors influencing health status and contact with health services	3,486,246	10.997

Note: Percentages may not add up to 100% due to rounding.

(1) Not all values in a range may appear in the PUF.

The ten most frequent ICD-9-CM diagnosis codes and their frequencies are provided below.

Variable Value	Formatted Value	Frequency	Frequency (%)
585	Chronic renal failure	6,569,428	20.723
V58	Encounter for other and unspecified procedures and aftercare	1,188,295	3.748
250	Diabetes mellitus	1,083,608	3.418
786	Symptoms involving respiratory system and other chest symptoms	1,060,651	3.346
401	Essential hypertension	1,047,127	3.303
780	General symptoms	906,146	2.858
272	Disorders of lipoid metabolism	842,279	2.657
V57	Care involving use of rehabilitation procedures	822,077	2.593
719	Other and unspecified disorders of joint	687,678	2.169
427	Cardiac dysrhythmias	685,133	2.161
-	All other values	16,809,077	53.023

Note: Percentages may not add up to 100% due to rounding.

OP_HCPCS_CD

This variable is created using the HCPCS_CD_1 - HCPCS_CD_13 variables in the outpatient claims file. HCPCS (Healthcare Common Procedure Coding System) codes to identify items and procedures and are divided into two subsystems: (1) HCPCS Level I codes are numeric Current Procedural Terminology (CPT) codes that identify medical services and procedures furnished by physicians and (2) HCPCS Level II codes are alpha-numeric codes that identify products, supplies, and services not included in the CPT codes (such as drugs and biological or durable medical equipment). There are 3,792 unique HCPCS codes in the PUF. The ten most frequent HCPCS codes and their frequencies are listed below.

Variable Value	Frequency	Frequency (%)
36415	2,015,127	6.357
90999	1,792,844	5.655
97110	1,542,843	4.867
Q4081	1,331,164	4.199
85025	1,201,726	3.791
A4657	1,201,129	3.789

Variable Value	Frequency	Frequency (%)
J2501	917,917	2.896
80053	869,347	2.742
85610	817,137	2.578
97530	615,665	1.942
All other values	19,396,596	61.185

Note: Percentages may not add up to 100% due to rounding.

OP_HCPCS_UNIT_CNT

This variable provides the count of units/services of a particular procedure (identified by the HCPCS code) that was performed. It is created using the REV_CNTR_UNIT_CNT_1 - REV_CNTR_UNIT_CNT_45 variables in the outpatient claims file. The frequencies by ranges are provided below.

Variable Value Range	Frequency	Frequency (%)
0 - 99	31,112,284	98.144
100 - 199	463,161	1.461
200 - 299	108,171	0.341
300 - 399	12,736	0.040
400 - 499	2,156	0.007
500 - 599	2,061	0.007

Note: Percentages may not add up to 100% due to rounding.

OP_HCPCS_PMT_AMT

This variable contains the payment made by Medicare for the procedure. It is created using the REV_CNTR_PMT_AMT_AMT_1 - REV_CNTR_PMT_AMT_AMT_45 variables in the outpatient claims file. Please refer to the General Documentation for details of the rounding rules.

Variable Value ⁽¹⁾ (\$)	Frequency	Frequency (%)
0	5,516,597	17.402
10	8,645,731	27.272

Variable Value⁽¹⁾ (\$)	Frequency	Frequency (%)
20	5,078,233	16.019
30	1,792,132	5.653
40	2,248,177	7.092
50	1,439,768	4.542
60	1,168,181	3.685
70	568,773	1.794
80	368,052	1.161
90	439,809	1.387
100	1,615,038	5.095
150	1,560,426	4.922
200	408,536	1.289
250	149,788	0.472
300	150,087	0.473
350	126,062	0.398
400	67,697	0.214
450	41,660	0.131
500	36,548	0.115
550	30,155	0.095
600	21,265	0.067
650	14,746	0.047
700	10,918	0.034
750	7,939	0.025
800	8,972	0.028
850	10,376	0.033
900	7,205	0.023
950	14,004	0.044
1,000	17,716	0.056
1,100	16,286	0.051
1,200	9,736	0.031
1,300	7,580	0.024
1,400	11,211	0.035
1,500	12,150	0.038
1,600	12,491	0.039
1,700	12,587	0.040
1,800	9,216	0.029

Variable Value⁽¹⁾ (\$)	Frequency	Frequency (%)
1,900	4,603	0.015
2,000	4,482	0.014
2,100	4,398	0.014
2,200	4,474	0.014
2,300	3,169	0.010
2,400	2,001	0.006
2,500	1,167	0.004
2,600	893	0.003
2,700	693	0.002
2,800	731	0.002
2,900	814	0.003
3,000	1,123	0.004
3,100	424	0.001
3,200	698	0.002
3,300	578	0.002
3,400	298	0.001
3,500	315	0.001
3,600	447	0.001
3,700	570	0.002
3,800	332	0.001
3,900	314	0.001
4,000	448	0.001
4,100	320	0.001
4,200	698	0.002
4,300	658	0.002
4,400	485	0.002
4,500	461	0.001
4,600	375	0.001
4,700	224	0.001
4,800	217	0.001
4,900	127	0.000
5,000	97	0.000
5,100	188	0.001
5,200	202	0.001
5,300	149	0.000

Variable Value⁽¹⁾ (\$)	Frequency	Frequency (%)
5,400	174	0.001
5,500	258	0.001
5,600	255	0.001
5,700	255	0.001
5,800	289	0.001
5,900	281	0.001
6,000	311	0.001
6,100	354	0.001
6,200	310	0.001
6,300	251	0.001
6,400	337	0.001
6,500	268	0.001
6,600	215	0.001
6,700	243	0.001
6,800	178	0.001
6,900	84	0.000
7,000	102	0.000
7,100	129	0.000
7,200	175	0.001
7,300	279	0.001
7,400	154	0.000
7,500	154	0.000
7,600	123	0.000
7,700	133	0.000
7,800	152	0.000
7,900	133	0.000
8,000	100	0.000
8,100	69	0.000
8,200	87	0.000
8,300	37	0.000
8,400	43	0.000
8,500	4	0.000
8,600	25	0.000
8,700	4	0.000
8,800	48	0.000

Variable Value⁽¹⁾ (\$)	Frequency	Frequency (%)
8,900	6	0.000
9,000	8	0.000
9,100	19	0.000
9,200	6	0.000
9,300	4	0.000
9,400	3	0.000
9,500	14	0.000
9,600	4	0.000
9,800	4	0.000
9,900	9	0.000
10,000	171	0.001
11,000	156	0.000
12,000	47	0.000
13,000	111	0.000
14,000	133	0.000
15,000	68	0.000
16,000	38	0.000
17,000	6	0.000
18,000	75	0.000
19,000	323	0.001
20,000	241	0.001
21,000	104	0.000
22,000	138	0.000
23,000	232	0.001
24,000	290	0.001
25,000	140	0.000
26,000	61	0.000
27,000	46	0.000
28,000	1	0.000
29,000	6	0.000

Note: Percentages may not add up to 100% due to rounding.

(1) Note that a Medicare payment amount between \$0 and \$4.99 is rounded to \$0 according to the rounding rules. Hence, the corresponding value for \$10 in the PUF is a value between \$5 and \$14.99 in the initial 5% sample file.