

CMS 2008 Basic Stand Alone (BSA) Inpatient Claims Public Use File (PUF)

General Documentation

1. Overview of the PUF

This release contains the Basic Stand Alone (BSA) Inpatient Public Use Files (PUF) named “*CMS 2008 BSA Inpatient Claims PUF*” with information from 2008 Medicare inpatient claims.¹ The *CMS 2008 BSA Inpatient Claims PUF* is a claim-level file in which each record is an inpatient claim incurred by a 5% sample of Medicare beneficiaries. Certain demographic and claim-related variables are provided in this PUF as detailed below. However, as beneficiary identities are not provided, it is not possible to link claims that belong to the same beneficiary in the *CMS 2008 BSA Inpatient Claims PUF*.

Most variables could not be included in the *CMS 2008 BSA Inpatient Claims PUF* because the inclusion of more information would increase the risk of beneficiary identification. In selecting variables for inclusion in this PUF, priority was given to the measures most commonly reported/studied in health services research.

2. Source Data for the PUF

The *CMS 2008 BSA Inpatient Claims PUF* originates from a 5% simple random sample of beneficiaries drawn (without replacement) from the 100% Beneficiary Summary File for reference year 2008. The sample used for the *CMS 2008 BSA Inpatient Claims PUF* is *disjoint* from the existing 5% CMS research sample² in the sense that there is no overlap in beneficiaries between the *CMS 2008 BSA Inpatient Claims PUF* and the 5% CMS research sample. It is also disjoint from the other *BSA PUFs* (i.e., CMS 2008 PDE PUF, CMS 2008 DME Line Items PUF, CMS 2008 Hospice Beneficiary PUF, CMS 2008 SNF Beneficiary PUF, CMS 2008 HHA Beneficiary PUF, CMS 2008 Outpatient Procedures PUF, and CMS 2008 Carrier Line Items PUF) released so far. This property prevents users from linking data across multiple files for identification purposes.

The 100% Beneficiary Summary File is created annually and contains demographic, entitlement and enrollment data for beneficiaries:

- a. who were documented as being alive for some part of the reference year of the Beneficiary Summary File, and
- b. who were entitled to Medicare benefits during the reference year, and

¹ Claims with inpatient services ending in 2008, defined by the “claim through date.”

² http://www.resdac.org/tools/TBs/TN-011_How5percentMedicarefilescreated_508.pdf

- c. who were enrolled in the Medicare Part A and/or Part B for at least one month in the reference year.

The 5% inpatient sample of claims is created by collecting the inpatient claims for the beneficiaries in the 5% random sample of beneficiaries, which contains approximately 2.4 million beneficiaries. As part of the PUF preparation steps, some claims are excluded/suppressed from the *CMS 2008 BSA Inpatient Claims PUF*. The initial 5% sample of beneficiaries contains 2,392,893 beneficiaries. Out of those, 372,686 beneficiaries have at least one inpatient claim; the remaining 2,020,207 beneficiaries do not have any inpatient claims in 2008. To protect the privacy of Medicare beneficiaries, 52,869 claims incurred by 46,863 beneficiaries are suppressed from the PUF, leaving 588,415 claims incurred by 352,267 beneficiaries in the *CMS 2008 BSA Inpatient Claims PUF*. Note that suppressing a claim may or may not exclude a beneficiary from the PUF. The exclusion of a beneficiary depends on whether or not the beneficiary has one or more additional claims remaining in the PUF. Consequently, not all 46,863 beneficiaries are excluded. Table 1 below provides the total Medicare payments and the number of claims in the initial 5% sample, the suppressed file, and the *CMS 2008 BSA Inpatient Claims PUF*.

Table 1: Suppression in *CMS 2008 BSA Inpatient Claims PUF*

Category	Formula	Medicare Payments ⁽²⁾	Number of Claims
Initial 5% Sample ⁽¹⁾	(a)	\$6,031,941,799	641,284
Suppressed	(b)	\$542,634,112	52,869
<i>CMS 2008 BSA Inpatient Claims PUF</i>	(c) =(a)-(b)	\$5,489,307,687	588,415

(1) A small number of claims are suppressed initially because of a negative value for Medicare payment amount (627) or unknown diagnosis (DRG) information (5,705).

(2) The Medicare payments provided in this table are computed using actual payment amounts from the inpatient claim file.

3. Content of the PUF

The most important aspects of the *CMS 2008 BSA Inpatient Claims PUF* are as follows:

- i. It contains claims for a simple random sample of 5% of the 2008 beneficiary population. Out of approximately 2.4 million beneficiaries in the 5% sample, about 350,000 had claims, resulting in a Public Use File of just under 590,000 claims.

- ii. It contains six (6) analytic variables (in addition to a unique claim key): Age, gender, base DRG code, ICD-9 primary procedure code, claim cost³, and length of inpatient stay. All of these variables, except gender, have been aggregated or averaged in order to protect individuals from identification while retaining the analytic value of the data.
- iii. A claim for a sampled beneficiary is only included in the PUF if the combination of all six (6) variables is shared by at least eleven (11) claims pertaining to at least eleven (11) beneficiaries in the population. For some combinations of values of the six (6) variables there are fewer than eleven (11) claims in the PUF.
- iv. Claims cannot be linked by beneficiary, and cannot be linked to any external data source by means of the claim ID. The claim ID is a cryptographic key specific to this Inpatient Claims PUF and not available elsewhere. The *CMS 2008 BSA Inpatient Claims PUF* is sorted by this claim ID to ensure that the relative position of each claim in the PUF and in the original source data are totally uncorrelated.

4. Analytic Variables of the PUF

The *CMS 2008 BSA Inpatient Claims PUF* contains seven (7) variables: A primary claim key indexing the records and six (6) analytic variables, listed below. One of the analytic variables, claim cost, is provided in two forms, (a) as an integer category and (b) as a dollar average. These two versions are essentially equivalent. As they can be treated as one variable, there are six (6) rather than seven (7) analytic variables, in addition to the claim ID.

- i. Age (BENE_AGE_CAT_CD): the beneficiary's age, reported in six categories: (1) under 65, (2) 65 - 69, (3) 70 - 74, (4) 75-79, (5) 80-84, (6) 85 and above.
- ii. Gender (BENE_SEX_IDENT_CD): (1) male or (2) female.
- iii. Base DRG (IP_CLM_BASE_DRG_CD): This is a set of 311 possible codes, numbered 1 - 311, derived from MS-DRG codes. It identifies a basic diagnosis or a set of diagnoses. A base DRG code might be comprised of up to three MS-DRG codes.
- iv. ICD-9 primary procedure code (IP_CLM_ICD9_PRCDR_CD): "International Classification of Diseases" version 9.⁴ This is a two-digit code reported as 00 - 99. In the PUF, 85 such codes are observed. This is the only variable that has "missing" values (about 47% missing) meaning that there does not exist a primary procedure on the claim.

³ There are actually two (2) dollar variables, a quintile index and the average dollar amount within the quintile. Hence there are actually seven (7) analytic variables plus a claim ID, but for disclosure purposes the two can be treated as equivalent.

⁴ See, for example, <http://www.cdc.gov/nchs/data/icd9/icdguide10.pdf>

- v. Length (IP_CLM_DAYS_CD): The length of stay is reported in four categories: (1) 1 day, (2) 2 - 4 days, (3) 5 - 7 days, and (4) 8 or more days.
- vi. Amount (IP_DRG_QUINT_PMT_AVG and IP_DRG_QUINT_PMT_CD): This has (up to) five (5) categories for each base DRG code. Within each base DRG code, the original claim amounts in the entire population (except negative payments) are broken into approximate quintiles (identified by IP_DRG_QUINT_PMT_CD with values of 1 - 5).

The quintiles are adjusted so that a specific payment amount is assigned to only one quintile. Then the average value of payment amount for the claims in each quintile is calculated. In addition to reporting the quintile index IP_DRG_QUINT_PMT_CD, we report the average claim amount IP_DRG_QUINT_PMT_AVG within the quintile, rounded to the nearest dollar. The average payment amounts are provided in the Codebook & Data Dictionary. The cut-offs (or bounds) that define the quintiles are provided in Table 2 below.

The detailed definitions and frequency distributions of these variables are provided in the Data Dictionary & Codebook together with this document.

5. Analytic Utility of the PUF

The *CMS 2008 BSA Inpatient Claims PUF* has been designed to give researchers an initial look at the CMS inpatient claims. In order to preserve confidentiality, several variables have been suppressed or coarsened. The tables presented in this section are intended to increase the analytic utility by providing additional information that is not available in the PUF.

Table 3 provides the percentage of claims in the initial 5% sample that were suppressed (or excluded) from the PUF for individual base DRGs and Table 4 shows the suppression rate for individual ICD-9 CM primary procedure codes. Users generally would be correct to trust statistical results derived from the PUF when they are focused on the DRGs with a significant number of claims in the PUF and a small rate of suppression. Care should be exercised in using statistics for the remaining base DRGs. For such DRGs, DRG-by-DRG statistics on use or not of a particular primary procedure, on distribution of claims by gender and/or age of beneficiary, and on average Medicare payment or distribution of length of stay are likely to be unreliable.

The PUF has one quality that potentially raises its utility beyond the value inherent in the original 5% sample upon which the PUF is based. The values included in the PUF as average Medicare payment amount by payment quintile by base DRG are calculated for all claims in the Medicare population for that quintile in that base DRG. It is uncommon for a PUF to contain

values drawn from census data rather than sample data. The inclusion of average payments from census data means that the data on the PUF will yield more accurate estimates of average and total Medicare payments by base DRG than could be obtained from the original 5% sample of claims and the untreated, uncategorized payment data the sample file initially included. However, this is only true for the subset of base DRGs codes with a significant number of claims in the PUF and a small rate of suppression.

Table 5 through Table 8 present the distribution of claims and beneficiaries in the PUF by gender, age and number of months in 2008 for which the beneficiary was enrolled in Part A of Medicare. By comparing number of claims and number of beneficiaries in corresponding cells in the two tables, the user can compare the frequency of inpatient stays per enrollee per month for beneficiaries with low months of enrollment and for beneficiaries for a full year of enrollment.

Table 9 provides the distribution of number of claims per beneficiary.

Table 10, Table 11, and Table 12 compare estimates from the PUF and those from the original 5% sample with actual values for the entire population for the distribution of claims by gender of beneficiaries, age of beneficiaries, and length of stay. The figures presented in those tables indicate that the PUF, despite the suppression of 8% of the claims in the original sample, provides quite good estimates of population parameters.

Table 13 provides a summary of suppression rates for DRGs of various sizes in the initial 5% sample. As the table indicates, the rate of suppression of claims is much higher for DRGs that are uncommon among Medicare beneficiaries than is the rate of suppression for common DRGs. Only three percent of claims for the 14 most common DRGs are suppressed, whereas 58% of claims for the 40 least common DRGs are missing from the PUF. Users generally would be correct to trust statistical results derived from the PUF when they are focused on the 69 DRGs of 2,000 or more claims in the initial 5% sample (on average, less than 10% of claims from those DRGs have been suppressed). Care should be exercised in using statistics for those higher risk DRGs. For most of the 146 DRGs with fewer than 500 claims in the initial 5% sample, DRG-by-DRG statistics broken down by other variables are likely to be unreliable.

Table 14 shows number of claims and Medicare payments by base DRG code in the CMS 2008 BSA Inpatient Claims PUF. The weighted mean (Medicare payments divided by number of claims for each base DRG code) is compared with the mean from the initial 5% sample. Medicare payments in the CMS 2008 BSA Inpatient Claims PUF are the quintile average payment amounts as described above. The means in the initial 5% sample and in the CMS 2008 BSA Inpatient Claims PUF may differ for several reasons. First, the payments in the PUF are the quintile average payments while the mean payments shown in Table 14 for the initial 5%

sample are based on actual payments. Second, approximately 8% (or 52,869 claims) of the initial 5% sample is suppressed in the de-identification process so the number of claims for each base DRG code differ between the initial 5% sample and the CMS 2008 BSA Inpatient Claims PUF. Some base DRG codes are already sparsely represented in the initial 5% sample and suppression may decrease the sample size for these base DRG codes further, exacerbating differences in mean payment per claim between the two files. There are infrequent base DRG codes in the CMS 2008 BSA Inpatient Claims PUF and care should be exercised in using statistics for the uncommon ones. Table 14 also provides the suppression rates for each HCPCS code in the CMS 2008 BSA Inpatient Claims PUF.

Table 2: Bounds for Quintiles

Base DRG	Lower Bound for Quintile 1	Lower Bound for Quintile 2	Lower Bound for Quintile 3	Lower Bound for Quintile 4	Lower Bound for Quintile 5
1	\$0	\$130,098	\$160,006	\$188,271	\$236,695
2	\$0	\$79,412	\$107,102	\$128,464	\$162,826
3	\$0	\$46,869	\$63,445	\$76,154	\$98,859
4	\$0	\$53,062	\$71,295	\$85,211	\$108,358
5	\$0	\$56,202	\$69,570	\$81,130	\$101,821
6	\$0	\$0	\$35,042	\$40,588	\$45,803
7	\$0	\$40,416	\$47,543	\$54,422	\$66,144
8	*	*	*	*	\$49,515
9	\$0	\$16,369	\$20,674	\$25,050	\$31,789
10	\$0	\$42,029	\$50,994	\$58,493	\$69,999
11	\$0	\$23,732	\$27,550	\$31,726	\$39,169
12	\$0	\$13,374	\$17,277	\$21,403	\$27,495
13	\$0	\$9,009	\$13,316	\$17,059	\$24,604
14	\$0	\$7,358	\$9,385	\$11,443	\$15,651
15	\$0	\$8,498	\$9,586	\$10,956	\$13,347
16	\$0	\$4,838	\$5,521	\$6,533	\$8,257
17	\$0	\$10,631	\$12,898	\$15,888	\$20,495
18	\$0	\$5,268	\$7,312	\$8,969	\$12,563
19	\$0	\$5,129	\$6,143	\$7,371	\$9,063
20	\$0	\$4,031	\$5,151	\$7,012	\$10,551
21	\$0	\$3,562	\$4,394	\$5,384	\$7,056
22	\$0	\$10,210	\$11,867	\$13,989	\$16,711
23	\$0	\$4,746	\$5,757	\$6,970	\$8,947
24	\$0	\$3,831	\$4,413	\$5,171	\$6,455
25	\$0	\$2,899	\$3,243	\$3,727	\$4,422
26	\$0	\$5,051	\$6,421	\$7,953	\$9,903
27	\$0	\$3,920	\$4,702	\$5,578	\$7,035
28	\$0	\$5,186	\$7,231	\$8,541 ⁽¹⁾	*
29	\$0	\$4,793	\$5,802	\$7,215	\$8,989
30	\$0	\$2,978	\$3,747	\$4,470	\$5,703
31	\$0	\$5,698	\$7,334	\$9,060	\$11,533
32	\$0	\$4,402	\$5,805	\$7,258	\$9,709
33	\$0	\$3,022	\$4,045	\$4,901	\$6,482
34	\$0	\$3,579	\$4,516	\$5,646	\$7,693
35	\$0	\$12,178	\$15,442	\$18,743	\$24,847
36	\$0	\$9,705	\$12,405	\$15,150	\$19,283
37	\$0	\$3,547	\$4,329	\$5,392	\$7,100

Base DRG	Lower Bound for Quintile 1	Lower Bound for Quintile 2	Lower Bound for Quintile 3	Lower Bound for Quintile 4	Lower Bound for Quintile 5
38	\$0	\$2,505	\$2,917	\$3,557	\$4,387
39	\$0 ⁽²⁾	*	\$7,306 ⁽³⁾	*	*
40	\$0	\$3,200 ⁽⁴⁾	*	\$4,986 ⁽⁵⁾	*
41	\$0	\$2,886	\$3,922	\$4,721 ⁽⁶⁾	*
42	\$0	\$2,868	\$3,270	\$3,772	\$4,654
43	\$0	\$2,726	\$3,253	\$4,054	\$5,239
44	\$0	\$7,349	\$9,423	\$11,199	\$14,444
45	\$0	\$6,589	\$8,534	\$10,330	\$12,978
46	\$0	\$4,306	\$5,722	\$7,397	\$9,144
47	\$0	\$3,943	\$5,559	\$6,573	\$8,061
48	\$0	\$3,594	\$4,112	\$4,790	\$5,896
49	\$0	\$5,557	\$6,860	\$8,748 ⁽⁷⁾	*
50	\$0	\$2,276	\$2,578	\$3,012	\$3,724
51	\$0	\$2,410	\$2,912	\$3,582	\$4,992
52	\$0	\$2,293	\$2,652	\$3,290	\$4,217
53	\$0	\$3,351	\$4,139	\$5,064	\$6,524
54	\$0	\$3,462	\$4,224	\$5,243	\$6,962
55	\$0	\$12,874	\$15,398	\$19,085	\$24,605
56	\$0	\$11,241	\$14,185	\$17,915	\$22,103
57	\$0	\$5,125	\$5,978	\$6,882	\$8,249
58	\$0	\$6,890	\$8,490	\$9,889	\$11,843
59	\$0	\$6,244	\$7,348	\$8,422	\$10,002
60	\$0	\$3,346	\$4,487	\$5,607	\$7,202
61	\$0	\$5,163	\$6,422	\$7,599	\$9,108
62	\$0	\$6,410	\$7,135	\$7,816	\$9,049
63	\$0	\$3,557	\$4,427	\$5,263	\$6,436
64	\$0	\$3,837	\$4,766	\$5,716	\$7,121
65	\$0	\$4,868	\$5,999	\$7,086	\$8,632
66	\$0	\$4,390	\$5,269	\$6,364	\$8,221
67	\$0	\$2,443	\$3,160	\$3,713	\$4,585
68	\$0	\$2,553	\$2,977	\$3,582	\$4,286
69	\$0	\$3,218	\$3,915	\$4,763	\$6,206
70	\$0	\$26,176	\$30,185	\$36,809	\$63,316
71	\$0	\$11,197	\$12,327	\$13,538	\$16,113
72	\$0	\$38,849	\$47,584	\$55,972	\$68,504
73	\$0	\$29,703	\$34,958	\$41,291	\$50,518
74	\$0	\$37,827	\$42,881	\$48,478	\$57,876
75	\$0	\$34,360	\$38,897	\$43,691	\$51,366

Base DRG	Lower Bound for Quintile 1	Lower Bound for Quintile 2	Lower Bound for Quintile 3	Lower Bound for Quintile 4	Lower Bound for Quintile 5
76	\$0	\$27,050	\$30,067	\$34,174	\$40,250
77	\$0	\$26,154	\$30,774	\$36,712	\$45,074
78	\$0	\$33,204	\$38,265	\$43,264	\$51,494
79	\$0	\$24,753	\$28,006	\$33,266	\$40,001
80	\$0	\$18,828	\$21,097	\$24,701	\$30,610
81	\$0	\$16,452	\$18,937	\$23,802	\$29,759
82	\$0	\$12,111	\$16,386	\$20,891	\$26,434
83	\$0	\$11,089	\$12,850	\$14,759	\$18,197
84	\$0	\$15,959	\$18,025	\$20,830	\$25,428
85	\$0	\$10,324	\$11,417	\$13,109	\$16,279
86	\$0	\$8,710	\$9,733	\$11,449	\$14,301
87	\$0	\$8,628	\$9,758	\$11,564	\$14,506
88	\$0	\$9,161	\$12,043	\$14,597	\$17,808
89	\$0	\$7,538	\$9,438	\$11,449	\$14,023
90	\$0	\$8,235	\$9,192	\$10,510	\$13,209
91	\$0	\$5,923	\$7,039	\$8,433	\$12,106
92	\$0	\$12,503	\$14,054	\$15,828	\$19,211
93	\$0	\$4,873	\$6,614	\$8,524	\$10,489
94	\$0	\$5,989	\$7,950	\$8,983	\$10,707
95	\$0	\$5,069	\$5,718	\$6,618	\$8,655
96	\$0	\$10,653	\$14,557	\$17,438	\$23,710
97	\$0	\$4,210	\$5,238	\$6,270	\$7,710
98	\$0	\$2,868	\$3,727	\$4,443	\$5,329
99	\$0	\$3,552	\$5,058	\$5,984	\$7,170
100	\$0	\$3,268	\$4,349	\$5,439	\$7,015
101	\$0	\$2,218	\$2,675	\$3,314	\$4,189
102	\$0	\$2,179	\$2,537	\$3,140	\$4,048
103	\$0	\$3,617	\$4,491	\$5,823	\$8,024
104	\$0	\$2,577	\$3,388	\$4,254	\$5,626
105	\$0	\$1,647	\$1,942	\$2,545	\$3,120
106	\$0	\$2,893	\$3,304	\$3,866	\$4,605
107	\$0	\$1,915	\$2,227	\$2,737	\$3,372
108	\$0	\$5,082	\$7,071	\$8,750	\$10,766
109	\$0	\$9,978	\$16,949	\$23,932	\$32,302
110	\$0	\$10,872	\$15,238	\$19,392	\$27,078
111	\$0	\$9,451	\$12,647	\$14,650	\$19,176
112	\$0	\$8,887	\$12,325	\$14,817	\$20,029
113	\$0	\$6,572	\$8,635	\$10,533	\$14,070

Base DRG	Lower Bound for Quintile 1	Lower Bound for Quintile 2	Lower Bound for Quintile 3	Lower Bound for Quintile 4	Lower Bound for Quintile 5
114	\$0	\$4,204	\$4,873	\$6,043	\$7,643
115	\$0	\$6,373	\$8,012	\$9,473	\$12,616
116	\$0	\$3,841	\$5,384	\$6,798	\$9,078
117	\$0	\$3,936	\$4,977	\$6,267	\$8,384
118	\$0	\$4,580	\$5,643	\$7,095	\$9,499
119	\$0	\$11,423	\$14,540	\$18,493	\$22,959
120	\$0	\$4,794	\$5,747	\$6,866	\$8,459
121	\$0	\$5,863	\$7,241	\$8,664	\$10,633
122	\$0	\$5,983	\$7,227	\$8,746	\$10,911
123	\$0	\$4,109	\$4,933	\$5,936	\$7,529
124	\$0	\$4,773	\$5,704	\$6,744	\$8,465
125	\$0	\$3,441	\$3,960	\$4,692	\$5,800
126	\$0	\$4,464	\$5,290	\$6,309	\$8,094
127	\$0	\$3,089	\$4,123	\$5,102	\$6,706
128	\$0	\$2,778	\$3,267	\$3,977	\$5,043
129	\$0	\$4,133	\$5,185	\$6,311	\$8,041
130	\$0	\$15,591	\$20,390	\$26,036	\$33,950
131	\$0	\$14,295	\$18,036	\$22,080	\$27,121
132	\$0	\$10,433	\$13,749	\$16,860	\$20,701
133	\$0	\$7,910	\$11,245	\$14,109	\$18,522
134	\$0	\$5,904	\$7,695	\$9,411	\$11,768
135	*	\$10,797	\$13,503	\$18,394	\$23,489
136	*	*	\$21,403	\$25,103	\$31,297
137	\$0	\$5,746	\$7,381	\$8,668	\$10,532
138	\$0	\$6,260	\$7,536	\$8,774	\$10,687
139	\$0	\$3,938	\$5,014	\$6,244	\$8,281
140	\$0	\$4,814	\$6,151	\$7,580	\$9,563
141	\$0	\$3,866	\$5,215	\$6,532	\$8,246
142	\$0	\$31,409	\$37,869	\$45,313	\$58,555
143	\$0	\$28,191	\$32,770	\$39,086	\$50,618
144	\$0	\$17,520	\$19,255	\$21,108	\$25,799
145	\$0	\$15,495	\$16,822	\$18,724	\$21,984
146	\$0	\$12,115	\$16,142	\$21,115	\$29,580
147	\$0	\$12,341	\$14,082	\$16,087	\$19,400
148	\$0	\$9,398	\$10,260	\$11,188	\$13,045
149	\$0	\$9,441	\$10,603	\$12,448	\$15,695
150	\$0	\$8,637	\$11,463	\$14,550	\$18,986
151	\$0	\$8,444	\$9,796	\$11,173	\$13,816

Base DRG	Lower Bound for Quintile 1	Lower Bound for Quintile 2	Lower Bound for Quintile 3	Lower Bound for Quintile 4	Lower Bound for Quintile 5
152	\$0	\$8,184	\$9,328	\$10,618	\$13,078
153	\$0	\$8,325	\$9,287	\$10,417	\$12,261
154	\$0	\$9,931	\$12,450	\$14,725	\$18,052
155	\$0	\$6,223	\$7,335	\$8,365	\$9,838
156	\$0	\$4,425	\$5,094	\$6,357	\$8,251
157	\$0	\$6,019	\$7,231	\$8,854	\$11,001
158	\$0	\$5,886	\$7,777	\$9,693	\$13,049
159	\$0	\$5,687	\$8,100	\$9,829	\$12,233
160	\$0	\$4,841	\$6,364	\$8,207	\$11,839
161	\$0	\$5,492	\$6,866	\$8,134	\$10,170
162	\$0 ⁽⁸⁾	*	*	*	\$7,093
163	\$0	\$5,051	\$5,835	\$6,847	\$8,486
164	\$0	\$4,231	\$4,875	\$5,916	\$7,350
165	\$0	\$3,754	\$5,080	\$6,058	\$7,409
166	\$0	\$7,139	\$8,581	\$10,054	\$12,628
167	\$0	\$2,959	\$3,561	\$4,415	\$6,176
168	\$0	\$2,882	\$3,393	\$4,207	\$6,015
169	\$0	\$2,420	\$3,084	\$3,717	\$4,628
170	\$0	\$6,174	\$8,184	\$10,739	\$19,749
171	\$0	\$4,329	\$5,355	\$6,468	\$8,340
172	\$0	\$4,430	\$5,928	\$7,804	\$11,192
173	\$0	\$4,892	\$6,229	\$8,061	\$12,239
174	\$0	\$3,185	\$3,685	\$4,389	\$5,699
175	\$0	\$2,645	\$3,404	\$4,532	\$8,074
176	\$0	\$2,246	\$2,697	\$3,378	\$4,428
177	\$0	\$3,644	\$4,304	\$5,301	\$6,941
178	\$0	\$3,258	\$4,380	\$6,225	\$15,033
179	\$0	\$2,731	\$3,179	\$3,876	\$5,292
180	\$0	\$3,798	\$4,754	\$6,030	\$8,190
181	\$0	\$7,242	\$10,350	\$13,405	\$20,055
182	\$0	\$5,253	\$7,228	\$8,953	\$12,378
183	\$0	\$4,210	\$5,742	\$7,563	\$11,045
184	\$0	\$3,150	\$3,706	\$4,333	\$5,199
185	\$0	\$3,950	\$4,791	\$6,109	\$7,672
186	\$0	\$4,779	\$6,174	\$8,133	\$17,052
187	\$0	\$3,748	\$4,471	\$5,567	\$7,890
188	\$0	\$4,679	\$5,760	\$7,071	\$9,010
189	\$0	\$2,876	\$3,676	\$4,391	\$5,501

Base DRG	Lower Bound for Quintile 1	Lower Bound for Quintile 2	Lower Bound for Quintile 3	Lower Bound for Quintile 4	Lower Bound for Quintile 5
190	\$0	\$3,352	\$3,921	\$4,737	\$6,188
191	\$0	\$2,715	\$3,178	\$3,877	\$5,008
192	\$0	\$2,650	\$3,388	\$4,185	\$5,702
193	\$0	\$8,497	\$11,004	\$13,127	\$16,689
194	\$0	\$9,923	\$11,757	\$13,457	\$17,488
195	\$0	\$7,943	\$9,024	\$10,389	\$12,546
196	\$0	\$8,771	\$10,984	\$13,875	\$19,123
197	\$0	\$3,363	\$3,908	\$4,706	\$6,107
198	\$0	\$11,924	\$14,399	\$17,229	\$21,172
199	\$0	\$3,034	\$3,843	\$4,805	\$6,364
200	\$0	\$2,918	\$3,593	\$4,355	\$5,640
201	\$0	\$4,709	\$5,469	\$6,315	\$8,032
202	\$0	\$4,221	\$5,245	\$6,377	\$8,071
203	\$0	\$16,610	\$20,606	\$23,819	\$28,055
204	\$0	\$15,023	\$17,877	\$21,988	\$28,656
205	\$0	\$8,496	\$10,049	\$12,176	\$15,706
206	\$0	\$7,823	\$10,875	\$13,859	\$18,325
207	\$0	\$4,805	\$5,966	\$7,400	\$10,123
208	\$0	\$4,157	\$5,253	\$7,512	\$10,153
209	\$0	\$4,113	\$5,550	\$6,590	\$8,803
210	\$0	\$4,117	\$5,623	\$6,825	\$8,318
211	\$0	\$10,324	\$12,701	\$14,647	\$17,736
212	\$0	\$5,281	\$6,417	\$7,565	\$9,152
213	\$0	\$3,853	\$4,437	\$5,059	\$6,042
214	\$0	\$4,802	\$5,920	\$7,198	\$8,938
215	\$0	\$3,316	\$3,976	\$4,768	\$6,034
216	\$0	\$4,751	\$5,540	\$6,351	\$7,569
217	\$0	\$2,693	\$3,107	\$3,783	\$5,004
218	\$0	\$2,481	\$3,039	\$3,657	\$4,658
219	\$0	\$4,447	\$5,713	\$7,012	\$8,765
220	\$0	\$5,286	\$6,085	\$7,206	\$8,564
221	\$0	\$6,167	\$7,123	\$8,716	\$10,650
222	\$0	\$5,073	\$7,239	\$8,794	\$11,014
223	\$0	\$2,633	\$3,090	\$3,972	\$5,178
224	\$0	\$5,185	\$6,193	\$7,476	\$9,207
225	\$0	\$4,806	\$7,025	\$8,589	\$10,143
226	\$0	\$4,567	\$5,533	\$6,549	\$8,374
227	\$0	\$2,836	\$3,492	\$4,262	\$5,391

Base DRG	Lower Bound for Quintile 1	Lower Bound for Quintile 2	Lower Bound for Quintile 3	Lower Bound for Quintile 4	Lower Bound for Quintile 5
228	\$0	\$2,888	\$3,449	\$4,332	\$5,930
229	\$0	\$3,342	\$4,494	\$5,564	\$7,146
230	\$0	\$7,069	\$9,804	\$11,832	\$14,785
231	\$0	\$10,162	\$11,749	\$14,315	\$18,494
232	\$0	\$4,996	\$6,512	\$7,892	\$10,521
233	\$0	\$3,639	\$4,139	\$5,031	\$6,490
234	\$0	\$4,210	\$5,561	\$6,723	\$8,326
235	\$0	\$3,584	\$4,052	\$4,742	\$5,843
236	\$0	\$3,185	\$3,517	\$3,858	\$4,514
237	\$0	\$8,073	\$11,874	\$13,681	\$16,955
238	\$0	\$5,118	\$6,239	\$7,759	\$9,816
239	\$0	\$5,050	\$6,197	\$7,644	\$9,140
240	\$0	\$2,372	\$3,102	\$3,763	\$4,718
241	\$0	\$3,392	\$4,351	\$5,213	\$6,548
242	\$0	\$3,203	\$3,664	\$4,378	\$5,382
243	\$0	\$2,391	\$2,788	\$3,386	\$4,327
244	\$0	\$1,486	\$1,713	\$2,045	\$2,674
245	\$0	\$2,876	\$3,619	\$4,325	\$5,406
246	\$0	\$3,022 ⁽⁹⁾	*	\$3,982	\$4,743
247	\$0	\$1,236	\$1,713 ⁽¹⁰⁾	*	\$2,716
248	\$0	\$2,344	\$2,956	\$3,622	\$4,638
249	\$0	\$1,383	\$1,714 ⁽¹¹⁾	*	*
250	\$0	\$12,693	\$15,204	\$20,071	\$26,155
251	\$0	\$8,030	\$10,044	\$13,579	\$18,007
252	\$0	\$5,692	\$6,834	\$8,317	\$10,448
253	\$0	\$3,285	\$4,045	\$4,773	\$6,073
254	\$0	\$6,326	\$7,165	\$8,038	\$9,627
255	\$0	\$3,920	\$5,049	\$6,180	\$7,829
256	\$0	\$8,523	\$12,716	\$16,830	\$26,389
257	\$0	\$9,459	\$13,433	\$17,660	\$22,556
258	\$0	\$8,664	\$12,626	\$16,344	\$23,717
259	\$0	\$12,284	\$16,557	\$21,802	\$30,406
260	\$0	\$13,126	\$17,986	\$23,832	\$36,409
261	\$0	\$7,160	\$9,204	\$11,450	\$14,601
262	\$0	\$5,630	\$6,931	\$8,442	\$10,273
263	\$0	\$5,331	\$6,154	\$7,253	\$9,217
264	\$0	\$6,635	\$7,739	\$9,556	\$12,116
265	\$0	\$21,414	\$28,102	\$32,106	\$40,195

Base DRG	Lower Bound for Quintile 1	Lower Bound for Quintile 2	Lower Bound for Quintile 3	Lower Bound for Quintile 4	Lower Bound for Quintile 5
266	\$0	\$10,566	\$13,443	\$17,062	\$24,522
267	\$0	\$5,020	\$6,087	\$7,720	\$10,508
268	\$0	\$3,468	\$4,047	\$4,689	\$5,598
269	\$0	\$2,988	\$3,530	\$4,397	\$6,434
270	\$0	\$6,919	\$9,657	\$12,262	\$15,531
271	\$0	\$30,118	\$34,111	\$39,285	\$49,665
272	\$0	\$7,169	\$8,912	\$10,067	\$11,969
273	\$0 ⁽¹²⁾	*	*	*	*
274	\$0	\$2,287	\$2,820	\$3,545	\$5,056
275	\$0	\$1,822	\$2,772	\$3,951	\$6,559
276	\$0	\$1,792	\$2,710	\$3,780	\$6,180
277	\$0	\$2,379	\$4,240	\$5,616	\$8,988
278	\$0	\$3,753	\$4,853	\$6,751	\$10,286
279	\$0	\$2,867	\$4,355	\$6,193	\$9,845
280	\$0	\$2,942	\$4,343	\$6,998	\$10,642
281	\$0	\$3,205 ⁽¹³⁾	*	\$5,020	\$7,800
282	\$0	\$1,138	\$1,714	\$2,229	\$2,934
283	\$0	\$3,615	\$4,337	\$5,353	\$7,194
284	\$0	\$2,363	\$3,146	\$3,992	\$5,621
285	\$0	\$8,303	\$10,307	\$13,643	\$20,472
286	\$0	\$8,791	\$13,312	\$16,312	\$21,097
287	*	\$4,399 ⁽¹⁴⁾	*	*	*
288	\$0	\$7,918	\$11,617	\$15,709	\$20,439
289	\$0	\$2,700	\$3,249	\$4,073	\$5,662
290	\$0	\$1,646	\$2,054	\$2,832	\$4,236
291	\$0	\$2,759	\$3,558	\$4,842	\$6,814
292	\$0	\$3,941	\$5,255	\$6,678	\$8,849
293	\$0	\$2,876	\$3,682	\$5,001	\$6,586
294	*	*	*	*	\$143,973
295	\$0	\$16,074	\$26,008	\$32,765	\$41,549
296	\$0	\$5,476	\$6,346	\$7,704	\$9,868
297	\$0	\$7,681	\$10,687	\$15,619	\$24,359
298	\$0	\$9,556	\$12,996	\$16,356	\$20,765
299	\$0	\$2,596	\$3,214	\$3,885	\$5,040
300	\$0	\$5,012	\$12,692	\$22,665	\$26,011
301	\$0	\$1,513	\$3,137	\$4,131	\$5,902
302	\$0	\$15,865	\$18,357	\$20,549	\$25,533
303	\$0	\$23,107	\$30,829	\$37,343	\$47,556

Base DRG	Lower Bound for Quintile 1	Lower Bound for Quintile 2	Lower Bound for Quintile 3	Lower Bound for Quintile 4	Lower Bound for Quintile 5
304	\$0	\$7,206	\$9,358	\$12,072	\$15,772
305	*	*	*	*	\$49,018
306	\$0	\$8,666	\$11,454	\$13,979	\$18,169
307	\$0	\$5,257	\$6,201	\$7,323	\$9,347
308	\$0	\$16,792	\$21,039	\$25,498	\$31,558
309	\$0	\$9,428	\$11,683	\$14,325	\$18,186
310	\$0	\$8,755	\$10,834	\$13,972	\$18,116
311	\$0 ⁽¹⁵⁾	*	\$7,938	\$14,446	\$22,000

- (1) The upper bound for base DRG of 28 and the fourth quintile is \$10,468.
- (2) The upper bound for base DRG of 39 and the first quintile is \$5,574.
- (3) The upper bound for base DRG of 39 and the third quintile is \$8,696.
- (4) The upper bound for base DRG of 40 and the second quintile is \$4,162.
- (5) The upper bound for base DRG of 40 and the fourth quintile is \$6,333.
- (6) The upper bound for base DRG of 41 and the fourth quintile is \$6,051.
- (7) The upper bound for base DRG of 49 and the fourth quintile is \$11,511.
- (8) The upper bound for base DRG of 162 and the first quintile is \$4,660.
- (9) The upper bound for base DRG of 246 and the second quintile is \$3,431.
- (10) The upper bound for base DRG of 247 and the third quintile is \$2,182.
- (11) The upper bound for base DRG of 249 and the third quintile is \$2,475.
- (12) The upper bound for base DRG of 273 and the first quintile is \$10,608.
- (13) The upper bound for base DRG of 281 and the second quintile is \$4,007.
- (14) The upper bound for base DRG of 287 and the second quintile is \$4,919.
- (15) The upper bound for base DRG of 311 and the first quintile is \$2,875.
- (*) The lower bound for this base DRG and quintile number is not provided because the PUF does not contain any claim for that base DRG and quintile combination.

Table 3: Suppression of Claims by Base DRG codes

Base DRG	Included MS-DRG Codes	Percentage Suppressed	Base DRG	Included MS-DRG Codes	Percentage Suppressed	Base DRG	Included MS-DRG Codes	Percentage Suppressed
1	001; 002	13.1%	106	312	5.4%	214	686; 687; 688	64.8%
2	003	27.5%	107	313	3.4%	215	689; 690	4.6%
3	004	5.1%	108	314; 315; 316	9.2%	216	691; 692; 693	53.2%
4	005; 006	25.0%	109	326; 327; 328	11.2%	217	691; 692; 693	22.2%
5	007	19.0%	110	329; 330; 331	2.6%	218	695; 696	32.2%
6	008	4.2%	111	332; 333; 334	2.3%	NA*	697	100.0%
7	009	8.0%	112	335; 336; 337	5.7%	219	698; 699; 700	16.4%
8	010	85.7%	113	338; 339; 340	2.6%	220	707; 708	1.6%
9	011; 012; 013	17.2%	114	341; 342; 343	5.7%	221	709; 710	31.5%
10	020; 021; 022	30.5%	115	344; 345; 346	16.4%	222	711; 712	60.7%
11	023; 024	37.3%	116	347; 348; 349	22.9%	223	713; 714	0.2%
12	025; 026; 027	5.6%	117	350; 351; 352	4.2%	224	715; 716	49.2%
13	028; 029; 030	16.8%	118	353; 354; 355	0.7%	225	717; 718	64.2%
14	031; 032; 033	5.1%	119	356; 357; 358	23.1%	226	722; 723; 724	59.7%
15	034; 035; 036	5.6%	120	368; 369; 370	35.3%	227	725; 726	34.3%
16	037; 038; 039	1.3%	121	371; 372; 373	10.4%	228	727; 728	31.6%
17	040; 041; 042	30.4%	122	374; 375; 376	28.5%	229	729; 730	78.6%
18	052; 053	73.7%	123	377; 378; 379	3.5%	230	734; 735	30.9%
19	054; 055	34.1%	124	380; 381; 382	31.0%	231	736; 737; 738	8.0%
20	056; 057	9.5%	125	383; 384	22.5%	232	739; 740; 741	4.4%
21	058; 059; 060	22.6%	126	385; 386; 387	21.1%	233	742; 743	1.8%
22	061; 062; 063	5.7%	127	388; 389; 390	6.5%	234	744; 745	41.5%
23	064; 065; 066	3.7%	128	391; 392	4.4%	235	746; 747	7.3%
24	067; 068	23.7%	129	393; 394; 395	11.6%	236	748	2.4%
25	069	6.9%	130	405; 406; 407	17.9%	237	749; 750	73.4%
26	070; 071; 072	26.4%	131	408; 409; 410	10.7%	238	754; 755; 756	44.1%
27	073; 074	18.2%	132	411; 412; 413	20.6%	239	757; 758; 759	46.0%
28	075; 076	76.1%	133	414; 415; 416	1.6%	240	760; 761	36.3%
29	077; 078; 079	52.9%	134	417; 418; 419	0.3%	241	765; 766	0.0%
30	080; 081	32.3%	135	420; 421; 422	92.0%	NA*	767	100.0%
31	082; 083; 084	53.3%	136	423; 424; 425	88.8%	NA*	769	100.0%
32	085; 086; 087	21.1%	137	432; 433; 434	21.2%	242	770	20.0%
33	088; 089; 090	40.5%	138	435; 436; 437	26.3%	243	774	5.3%
34	091; 092; 093	19.9%	139	438; 439; 440	11.2%	244	775	3.2%
35	094; 095; 096	69.8%	140	441; 442; 443	22.2%	245	776	48.6%
36	097; 098; 099	78.0%	141	444; 445; 446	14.3%	246	777	40.0%
37	100; 101	11.7%	142	453; 454; 455	6.6%	247	778	38.9%

Base DRG	Included MS-DRG Codes	Percentage Suppressed	Base DRG	Included MS-DRG Codes	Percentage Suppressed	Base DRG	Included MS-DRG Codes	Percentage Suppressed
38	102; 103	22.4%	143	456; 457; 458	8.0%	NA*	779	100.0%
39	113; 114	90.2%	144	459; 460	1.5%	NA*	780	100.0%
NA*	115	100.0%	145	461; 462	3.3%	248	781	20.0%
40	116; 117	88.5%	146	463; 464; 465	8.5%	249	782	75.0%
41	121; 122	71.9%	147	466; 467; 468	1.8%	NA*	794	100.0%
42	123	44.1%	148	469; 470	0.1%	250	799; 800; 801	52.4%
43	124; 125	38.8%	149	471; 472; 473	1.9%	251	802; 803; 804	87.1%
44	129; 130	55.3%	150	474; 475; 476	5.5%	252	808; 809; 810	19.1%
45	131; 132	62.6%	151	477; 478; 479	3.8%	253	811; 812	6.7%
46	133; 134	85.7%	152	480; 481; 482	1.4%	254	813	32.5%
NA*	135; 136	100.0%	153	483; 484	0.6%	255	814; 815; 816	46.4%
47	137; 138	86.0%	154	485; 486; 487	28.2%	256	820; 821; 822	70.5%
48	139	32.9%	155	488; 489	26.0%	257	823; 824; 825	55.8%
49	146; 147; 148	93.3%	156	490; 491	1.6%	258	826; 827; 828	81.5%
50	149	12.5%	157	492; 493; 494	3.7%	NA*	829; 830	100.0%
51	150; 151	29.3%	158	495; 496; 497	14.7%	259	834; 835; 836	43.4%
52	152; 153	19.4%	159	498; 499	68.5%	260	837; 838; 839	26.7%
53	154; 155; 156	43.5%	160	500; 501; 502	7.5%	261	840; 841; 842	33.5%
54	157; 158; 159	57.3%	161	503; 504; 505	48.2%	262	843; 844; 845	72.9%
55	163; 164; 165	4.9%	162	506	90.2%	263	846; 847; 848	9.8%
56	166; 167; 168	10.7%	163	507; 508	29.3%	264	849	82.1%
57	175; 176	14.1%	NA*	509	100.0%	265	853; 854; 855	27.7%
58	177; 178; 179	5.8%	164	510; 511; 512	9.1%	266	856; 857; 858	38.1%
59	180; 181; 182	16.5%	165	513; 514	91.1%	267	862; 863	17.9%
60	183; 184; 185	29.0%	166	515; 516; 517	16.1%	268	864	27.2%
61	186; 187; 188	15.8%	167	533; 534	46.5%	269	865; 866	27.3%
62	189	8.2%	168	535; 536	10.8%	270	867; 868; 869	50.6%
63	190; 191; 192	2.4%	169	537; 538	57.8%	271	870	2.0%
64	193; 194; 195	2.3%	170	539; 540; 541	32.8%	272	871; 872	3.8%
65	196; 197; 198	28.8%	171	542; 543; 544	22.0%	273	876	98.2%
66	199; 200; 201	23.6%	172	545; 546; 547	41.2%	274	880	20.5%
67	202; 203	9.5%	173	548; 549; 550	81.4%	275	881	6.9%
68	204	22.8%	174	551; 552	9.6%	276	882	13.0%
69	205; 206	28.5%	175	553; 554	17.3%	277	883	29.1%
70	207	1.7%	176	555; 556	21.7%	278	884	11.2%
71	208	1.8%	177	557; 558	27.1%	279	885	1.5%
NA*	215	100.0%	178	559; 560; 561	25.3%	280	886	18.9%
72	216; 217; 218	5.9%	179	562; 563	14.9%	281	887	68.1%

Base DRG	Included MS-DRG Codes	Percentage Suppressed	Base DRG	Included MS-DRG Codes	Percentage Suppressed	Base DRG	Included MS-DRG Codes	Percentage Suppressed
73	219; 220; 221	2.5%	180	564; 565; 566	48.9%	282	894	13.9%
74	222; 223	18.7%	181	573; 574; 575	3.4%	283	895	2.4%
75	224; 225	12.8%	182	576; 577; 578	15.5%	284	896; 897	8.4%
76	226; 227	0.3%	183	579; 580; 581	18.6%	285	901; 902; 903	16.4%
77	228; 229; 230	22.6%	184	582; 583	1.9%	286	904; 905	28.0%
78	231; 232	37.7%	185	584; 585	24.0%	287	906	90.7%
79	233; 234	1.2%	186	592; 593; 594	19.0%	288	907; 908; 909	53.2%
80	235; 236	0.4%	187	595; 596	38.6%	289	913; 914	36.9%
81	237; 238	2.1%	188	597; 598; 599	73.6%	290	915; 916	30.0%
82	239; 240; 241	2.3%	189	600; 601	58.4%	291	917; 918	11.6%
83	242; 243; 244	0.5%	190	602; 603	5.1%	292	919; 920; 921	30.0%
84	245	18.8%	191	604; 605	18.4%	293	922; 923	41.0%
85	246; 247	0.9%	192	606; 607	35.1%	294	927	60.0%
86	248; 249	1.7%	193	614; 615	10.8%	295	928; 929	42.4%
87	250; 251	1.9%	194	616; 617; 618	7.3%	NA*	933	100.0%
88	252; 253; 254	0.8%	195	619; 620; 621	5.5%	NA*	934	100.0%
89	255; 256; 257	5.9%	196	622; 623; 624	18.3%	296	935	70.6%
90	258; 259	10.7%	197	625; 626; 627	1.6%	297	939; 940; 941	64.4%
91	260; 261; 262	4.0%	198	628; 629; 630	43.8%	298	945; 946	1.8%
NA*	263	100.0%	199	637; 638; 639	8.5%	299	947; 948	15.2%
92	264	14.1%	200	640; 641	5.2%	300	949; 950	47.1%
93	280; 281; 282	5.3%	201	642	64.8%	301	951	78.9%
94	283; 284; 285	31.2%	202	643; 644; 645	27.1%	NA*	955	100.0%
95	286; 287	0.7%	203	652	2.8%	302	956	30.3%
96	288; 289; 290	61.4%	204	653; 654; 655	7.6%	303	957; 958; 959	84.4%
97	291; 292; 293	1.9%	205	656; 657; 658	6.1%	304	963; 964; 965	68.4%
98	294; 295	49.7%	206	659; 660; 661	8.5%	305	969; 970	97.0%
99	296; 297; 298	47.4%	207	662; 663; 664	23.4%	306	974; 975; 976	23.5%
100	299; 300; 301	7.9%	208	665; 666; 667	8.8%	307	977	40.6%
101	302; 303	8.1%	209	668; 669; 670	3.0%	308	981; 982; 983	31.6%
102	304; 305	13.1%	210	671; 672	32.9%	309	984; 985; 986	17.8%
103	306; 307	35.5%	211	673; 674; 675	14.0%	310	987; 988; 989	54.9%
104	308; 309; 310	3.4%	212	682; 683; 684	5.9%	311	999	84.8%
105	311	16.6%	213	685	66.1%			

Table 4: Suppression of Claims by ICD-9 CM primary procedure codes

ICD-9-CM Code	Percentage Suppressed	ICD-9-CM Code	Percentage Suppressed	ICD-9-CM Code	Percentage suppressed	ICD-9-CM Code	Percentage suppressed
.	0.8%	25	97.9%	51	8.30%	77	24.8%
0	3.9%	26	61.2%	52	39.70%	78	18.3%
1	14.5%	27	90.4%	53	9.80%	79	5.3%
2	25.1%	28	82.6%	54	28.10%	80	21.9%
3	28.9%	29	90.4%	55	11.90%	81	4.0%
4	72.6%	30	50.5%	56	30.00%	82	93.8%
5	100.0%	31	23.4%	57	31.60%	83	25.9%
6	12.3%	32	6.2%	58	72.40%	84	12.4%
7	36.6%	33	24.1%	59	32.80%	85	20.9%
8	97.0%	34	19.8%	60	3.80%	86	24.0%
9	100.0%	35	4.3%	61	68.10%	87	44.1%
10	100.0%	36	4.3%	62	65.60%	88	18.8%
11	100.0%	37	5.8%	63	100.00%	89	28.7%
12	100.0%	38	12.2%	64	44.20%	90	100.0%
13	91.9%	39	10.5%	65	11.20%	91	100.0%
14	88.1%	40	34.9%	66	63.20%	92	68.6%
15	100.0%	41	61.0%	67	96.20%	93	15.3%
16	91.5%	42	59.0%	68	3.70%	94	9.4%
17	12.6%	43	28.6%	69	43.00%	95	100.0%
18	100.0%	44	17.2%	70	8.30%	96	12.6%
19	100.0%	45	7.6%	71	27.30%	97	59.9%
20	100.0%	46	25.6%	72	10.70%	98	74.8%
21	60.2%	47	10.6%	73	3.20%	99	9.4%
22	100.0%	48	34.4%	74	0.60%		
23	90.3%	49	39.9%	75	11.50%		
24	100.0%	50	45.9%	76	79.90%		

(*) A “missing” ICD-9 primary procedure code indicates, per the inpatient claim, that no primary procedure was performed.

Table 5: Distribution of Claims for Male Beneficiaries by Number of Months of Part A Enrollment in 2008 and Age of Beneficiary

Months of Part A Enrollment ⁽¹⁾	Under 65	65 - 69	70 - 74	75 - 79	80 - 84	85 and older	Total
1	232	211	194	301	331	467	1,736
2	342	350	322	458	521	754	2,747
3	411	484	409	516	657	973	3,450
4	576	533	507	617	690	946	3,869
5	697	554	546	731	679	1,005	4,212
6	720	650	474	621	688	1,047	4,200
7	684	696	497	681	790	1,104	4,452
8	812	799	626	714	795	1,066	4,812
9	900	847	538	717	917	1,193	5,112
10	914	840	665	796	924	1,373	5,512
11	1,018	853	779	896	963	1,394	5,903
12	51,758	31,293	35,467	33,772	30,611	29,311	212,212
Total	59,064	38,110	41,024	40,820	38,566	40,633	258,217

(1) Number of months enrolled in 2008. Months of enrollment for a beneficiary is replaced with one (1) if it is equal to zero (0) in the Beneficiary Summary File.

Table 6: Distribution of Claims for Female Beneficiaries by Number of Months of Part A Enrollment in 2008 and Age of Beneficiary

Months of Part A Enrollment ⁽¹⁾	Under 65	65 - 69	70 - 74	75 - 79	80 - 84	85 and older	Total
1	167	162	213	274	373	754	1,943
2	232	248	289	425	594	1,335	3,123
3	342	405	426	565	762	1,769	4,269
4	413	458	454	524	838	1,668	4,355
5	516	523	410	577	882	1,737	4,645
6	567	573	441	737	910	1,823	5,051
7	691	642	487	621	885	1,756	5,082
8	818	746	584	604	873	1,899	5,524
9	728	711	513	681	1,008	2,006	5,647
10	814	828	611	794	986	2,112	6,145
11	881	861	728	837	1,109	2,221	6,637
12	50,847	33,330	40,025	44,028	46,973	62,574	277,777
Total	57,016	39,487	45,181	50,667	56,193	81,654	330,198

(1) Number of months enrolled in 2008. Months of enrollment for a beneficiary is replaced with one (1) if it is equal to zero (0).

Table 7: Distribution of Male Beneficiaries by Number of Months of Part A Enrollment in 2008 and Age of Beneficiary

Months of Part A Enrollment ⁽¹⁾	Under 65	65 - 69	70 - 74	75 - 79	80 - 84	85 and older	Total
1	203	178	163	266	282	413	1,505
2	241	246	231	314	364	559	1,955
3	278	298	254	322	423	633	2,208
4	331	339	280	333	392	583	2,258
5	361	351	280	362	367	582	2,303
6	370	384	229	316	354	549	2,202
7	335	428	245	314	369	572	2,263
8	377	415	278	317	382	541	2,310
9	383	475	238	308	402	564	2,370
10	412	446	276	344	419	633	2,530
11	426	488	300	371	418	626	2,629
12	26,842	20,462	22,756	21,298	18,827	17,709	127,894
Total	30,559	24,510	25,530	24,865	22,999	23,964	152,427

(1) Number of months enrolled in 2008. Months of enrollment for a beneficiary is replaced with one (1) if it is missing or equal to zero (0).

Table 8: Distribution of Female Beneficiaries by Number of Months of Part A Enrollment in 2008 and Age of Beneficiary

Months of Part A Enrollment ⁽¹⁾	Under 65	65 - 69	70 - 74	75 - 79	80 - 84	85 and older	Total
1	146	143	186	232	325	675	1,707
2	181	194	191	311	428	972	2,277
3	224	272	255	354	482	1,169	2,756
4	248	291	238	293	480	1,074	2,624
5	285	334	225	305	475	1,044	2,668
6	290	357	216	358	458	1,002	2,681
7	341	365	213	284	416	956	2,575
8	345	427	253	287	416	978	2,706
9	366	410	214	297	433	1,010	2,730
10	384	465	246	325	443	1,042	2,905
11	385	472	253	342	470	1,097	3,019
12	27,631	21,947	25,990	27,773	29,013	38,838	171,192
Total	30,826	25,677	28,480	31,161	33,839	49,857	199,840

(1) Number of months enrolled in 2008. Months of enrollment for a beneficiary is replaced with one (1) if it is missing or equal to zero (0).

Table 9: Distribution of Claims by Beneficiary

Number of Claims per Beneficiary	Number of Beneficiaries ⁽¹⁾ with Inpatient Claims	Total Number of Inpatient Claims	Percentage of Beneficiaries with Inpatient Claims (%)
(a)	(b)	(c) = (a)*(b)	(d) = (b)/352,267
1	224,368	224,368	63.7
2	73,800	147,600	21.0
3	28,656	85,968	8.1
4	12,730	50,920	3.6
5 or more	12,713	79,559 ⁽²⁾	3.6
Total	352,267	588,415	100.0

(1) The initial number of beneficiaries with Inpatient claims in 2008 is 372,686. However, some beneficiaries are suppressed from the PUF leaving 352,267 beneficiaries. The number of beneficiaries that do not have any inpatient claim in 2008 is 2,020,207.

(2) The value in this cell is calculated as the difference between 588,415 and the sum of the values in column (c) other than this cell.

Table 10: Distribution of Claims by Gender

Gender	Population (%)	Initial 5% Sample (%)	PUF (%)
Male	44.088	44.283	43.883
Female	55.912	55.717	56.117

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

Table 11: Distribution of Claims by Age Categories

Age	Population (%)	Initial 5% Sample (%)	PUF (%)
Under 65	19.579	19.681	19.728
65-69	13.481	13.452	13.187
70-74	14.698	14.780	14.650
75-79	15.706	15.619	15.548
80-84	16.101	16.089	16.104
85 and Older	20.436	20.379	20.782

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

Table 12: Distribution of Claims by Length of Stay (Inpatient Days)

Length of Stay	Population (%)	Initial 5% Sample (%)	PUF (%)
1 Day	13.148	13.111	12.920
2 to 4 Days	43.067	43.135	44.428
5 to 7 Days	21.253	21.202	20.746
8 or more Days	22.533	22.552	21.906

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

Table 13: Percent of Claims Suppressed by Base Diagnosis-Related Group

DRG Category: Number of Claims in DRG in Original 5% Sample	Number of DRGs in Category in PUF*	Number of Claims in Initial 5% Sample for All DRGs in Category*	Number of Claims in PUF for All DRGs in Category	Percentage Discarded from Surviving DRGs (%)
1 - 49	14	358	150	58.1
50 - 99	26	1,941	808	58.4
100 - 199	37	5,202	2,488	52.2
200 - 349	36	10,067	6,873	31.7
350 - 499	33	13,605	9,924	27.1
500 - 999	43	30,930	25,209	18.5
1,000 - 1,999	53	74,187	62,292	16.0
2,000 - 4,999	35	105,227	95,562	9.2
5,000 - 9,999	20	140,814	133,938	4.9
10,000 +	14	258,636	251,171	2.9
TOTAL	311	640,967	588,415	8.2

(*) Excluding base DRG codes (and claims with such base DRG codes) that don't survive into the PUF due to suppression. A total of 317 claims (out of 641,284) that belong to base DRG codes that do not survive into the PUF are not included.

Table 14: Medicare Payment and Suppression Rates in CMS 2008 BSA Inpatient Claims PUF by Base DRG Code

Base DRG Code ⁽¹⁾	Number of Claims in PUF	Total Medicare Payment in PUF (\$)	Mean Medicare Payment in PUF ⁽²⁾ (\$)	Mean Medicare Payment in Initial 5% Sample ⁽²⁾ (\$)	Difference in Means (%)	Suppression Rate (%) ⁽¹⁾
	(a)	(b)	(c) = (b)/(a)	(d)	(e) = 100* abs[(d)-(c)]/(d) ⁽³⁾	(f)
1	53	9,577,073	180,699	167,625	7.8	10-20
2	864	106,716,611	123,515	126,078	2.0	20-30
3	1,126	83,779,361	74,404	74,766	0.5	5-10
4	36	3,184,416	88,456	86,797	1.9	20-30
5	17	1,574,627	92,625	79,582	16.4	10-20
6	23	1,009,109	43,874	43,323	1.3	0-5
7	80	4,475,524	55,944	54,123	3.4	5-10
8	1	72,097	72,097	42,162	71.0	75-100
9	202	5,284,685	26,162	28,373	7.8	10-20
10	66	3,905,147	59,169	55,158	7.3	30-40
11	190	5,948,873	31,310	32,149	2.6	30-40
12	1,635	34,802,545	21,286	21,310	0.1	5-10
13	391	7,244,708	18,529	19,254	3.8	10-20
14	357	4,367,560	12,234	12,576	2.7	5-10
15	425	4,804,077	11,304	11,221	0.7	5-10
16	3,203	22,188,665	6,927	6,939	0.2	0-5
17	596	10,017,337	16,808	16,592	1.3	30-40
18	26	320,188	12,315	13,506	8.8	50-75
19	744	5,558,893	7,472	7,608	1.8	30-40
20	4,603	37,326,954	8,109	8,090	0.2	5-10
21	294	1,705,587	5,801	6,220	6.7	20-30
22	299	4,211,680	14,086	14,174	0.6	5-10
23	12,720	91,312,806	7,179	7,193	0.2	0-5
24	530	2,657,421	5,014	5,124	2.2	20-30

Base DRG Code ⁽¹⁾	Number of Claims in PUF	Total Medicare Payment in PUF (\$)	Mean Medicare Payment in PUF ⁽²⁾ (\$)	Mean Medicare Payment in Initial 5% Sample ⁽²⁾ (\$)	Difference in Means (%)	Suppression Rate (%) ⁽¹⁾
	(a)	(b)	(c) = (b)/(a)	(d)	(e) = 100* abs[(d)-(c)]/(d) ⁽³⁾	(f)
25	4,725	17,333,405	3,668	3,674	0.2	5-10
26	1,074	8,214,736	7,649	7,759	1.4	20-30
27	1,740	9,811,015	5,639	5,683	0.8	10-20
28	26	187,345	7,206	9,028	20.2	75-100
29	114	757,024	6,641	7,416	10.5	50-75
30	296	1,286,141	4,345	4,459	2.5	30-40
31	185	1,626,914	8,794	9,149	3.9	50-75
32	1,382	10,298,949	7,452	7,600	1.9	20-30
33	237	1,003,389	4,234	4,691	9.7	40-50
34	1,920	11,646,911	6,066	6,177	1.8	10-20
35	52	1,124,762	21,630	18,684	15.8	50-75
36	33	461,985	14,000	16,994	17.6	75-100
37	3,366	18,256,158	5,424	5,390	0.6	10-20
38	606	2,054,840	3,391	3,379	0.3	20-30
39	5	35,708	7,142	8,205	13.0	75-100
40	7	25,473	3,639	5,515	34.0	75-100
41	16	56,419	3,526	4,486	21.4	50-75
42	85	306,081	3,601	3,744	3.8	40-50
43	167	645,495	3,865	4,494	14.0	30-40
44	63	560,220	8,892	11,125	20.1	50-75
45	34	308,440	9,072	8,948	1.4	50-75
46	33	184,743	5,598	7,269	23.0	75-100
47	12	63,805	5,317	5,813	8.5	75-100
48	47	221,614	4,715	5,137	8.2	30-40
49	12	70,602	5,884	11,018	46.6	75-100

Base DRG Code ⁽¹⁾	Number of Claims in PUF	Total Medicare Payment in PUF (\$)	Mean Medicare Payment in PUF ⁽²⁾ (\$)	Mean Medicare Payment in Initial 5% Sample ⁽²⁾ (\$)	Difference in Means (%)	Suppression Rate (%) ⁽¹⁾
	(a)	(b)	(c) = (b)/(a)	(d)	(e) = 100* abs[(d)-(c)]/(d) ⁽³⁾	(f)
50	1,614	4,913,081	3,044	3,045	0.0	10-20
51	292	1,052,109	3,603	3,836	6.1	20-30
52	915	2,978,534	3,255	3,305	1.5	10-20
53	366	1,724,557	4,712	4,917	4.2	40-50
54	150	754,314	5,029	5,828	13.7	50-75
55	2,126	41,951,940	19,733	19,683	0.3	0-5
56	2,295	44,489,203	19,385	19,487	0.5	10-20
57	2,330	15,471,924	6,640	6,659	0.3	10-20
58	8,572	86,147,683	10,050	10,098	0.5	5-10
59	2,379	19,649,041	8,259	8,331	0.9	10-20
60	395	2,036,257	5,155	5,295	2.7	20-30
61	1,086	7,789,373	7,173	7,317	2.0	10-20
62	6,270	56,649,416	9,035	9,056	0.2	5-10
63	22,865	118,856,599	5,198	5,170	0.6	0-5
64	24,317	138,674,697	5,703	5,715	0.2	0-5
65	664	4,674,973	7,041	7,114	1.0	20-30
66	606	3,738,725	6,170	6,466	4.6	20-30
67	3,736	13,625,486	3,647	3,685	1.0	5-10
68	995	3,613,655	3,632	3,771	3.7	20-30
69	1,036	5,043,500	4,868	4,900	0.7	20-30
70	2,667	110,998,143	41,619	41,670	0.1	0-5
71	4,000	55,462,386	13,866	13,960	0.7	0-5
72	870	46,932,032	53,945	53,282	1.2	5-10
73	1,578	63,940,321	40,520	40,388	0.3	0-5
74	322	15,168,313	47,107	47,845	1.5	10-20

Base DRG Code ⁽¹⁾	Number of Claims in PUF	Total Medicare Payment in PUF (\$)	Mean Medicare Payment in PUF ⁽²⁾ (\$)	Mean Medicare Payment in Initial 5% Sample ⁽²⁾ (\$)	Difference in Means (%)	Suppression Rate (%) ⁽¹⁾
	(a)	(b)	(c) = (b)/(a)	(d)	(e) = 100* abs[(d)-(c)]/(d) ⁽³⁾	(f)
75	354	14,806,754	41,827	41,657	0.4	10-20
76	1,950	65,927,166	33,809	33,483	1.0	0-5
77	261	10,080,248	38,622	37,379	3.3	20-30
78	91	4,076,137	44,793	43,398	3.2	30-40
79	2,247	72,299,429	32,176	32,186	0.0	0-5
80	1,853	45,410,915	24,507	24,413	0.4	0-5
81	3,128	74,636,699	23,861	24,060	0.8	0-5
82	1,295	27,269,426	21,057	21,196	0.7	0-5
83	5,603	82,319,746	14,692	14,729	0.3	0-5
84	238	4,750,270	19,959	20,192	1.2	10-20
85	9,155	118,652,497	12,960	12,946	0.1	0-5
86	4,086	46,172,079	11,300	11,291	0.1	0-5
87	2,291	26,500,936	11,567	11,493	0.6	0-5
88	6,636	94,275,502	14,207	14,127	0.6	0-5
89	333	3,722,764	11,179	10,843	3.1	5-10
90	317	3,459,869	10,914	11,247	3.0	10-20
91	433	4,190,513	9,678	9,917	2.4	0-5
92	1,021	17,257,019	16,902	16,897	0.0	10-20
93	8,268	65,650,139	7,940	7,900	0.5	5-10
94	710	6,099,469	8,591	8,723	1.5	30-40
95	8,590	58,594,567	6,821	6,857	0.5	0-5
96	112	2,211,238	19,743	18,393	7.3	50-75
97	29,374	180,749,329	6,153	6,167	0.2	0-5
98	72	285,864	3,970	4,083	2.8	40-50
99	90	502,278	5,581	5,841	4.4	40-50

Base DRG Code ⁽¹⁾	Number of Claims in PUF	Total Medicare Payment in PUF (\$)	Mean Medicare Payment in PUF ⁽²⁾ (\$)	Mean Medicare Payment in Initial 5% Sample ⁽²⁾ (\$)	Difference in Means (%)	Suppression Rate (%) ⁽¹⁾
	(a)	(b)	(c) = (b)/(a)	(d)	(e) = 100* abs[(d)-(c)]/(d) ⁽³⁾	(f)
100	4,977	27,892,451	5,604	5,573	0.6	5-10
101	3,175	10,478,570	3,300	3,359	1.7	5-10
102	1,624	5,106,278	3,144	3,178	1.1	10-20
103	292	1,732,628	5,934	6,025	1.5	30-40
104	14,695	61,829,981	4,208	4,181	0.6	0-5
105	879	2,087,116	2,374	2,424	2.0	10-20
106	8,258	31,277,559	3,788	3,781	0.2	5-10
107	9,542	25,092,742	2,630	2,634	0.1	0-5
108	5,306	45,684,518	8,610	8,605	0.1	5-10
109	1,318	31,427,623	23,845	23,435	1.7	10-20
110	6,846	138,346,499	20,208	20,481	1.3	0-5
111	517	7,909,690	15,299	15,361	0.4	0-5
112	1,365	20,411,838	14,954	14,850	0.7	5-10
113	414	4,308,668	10,407	10,413	0.1	0-5
114	499	2,849,045	5,710	5,515	3.5	5-10
115	270	2,638,045	9,771	9,670	1.0	10-20
116	424	2,953,102	6,965	7,043	1.1	20-30
117	643	4,115,727	6,401	6,296	1.7	0-5
118	1,309	9,515,915	7,270	7,149	1.7	0-5
119	721	13,449,967	18,655	18,230	2.3	20-30
120	390	2,744,668	7,038	7,249	2.9	30-40
121	3,320	29,340,758	8,838	8,808	0.3	10-20
122	1,147	10,253,854	8,940	9,084	1.6	20-30
123	12,464	74,357,929	5,966	6,000	0.6	0-5
124	434	2,826,658	6,513	6,691	2.7	30-40

Base DRG Code ⁽¹⁾	Number of Claims in PUF	Total Medicare Payment in PUF (\$)	Mean Medicare Payment in PUF ⁽²⁾ (\$)	Mean Medicare Payment in Initial 5% Sample ⁽²⁾ (\$)	Difference in Means (%)	Suppression Rate (%) ⁽¹⁾
	(a)	(b)	(c) = (b)/(a)	(d)	(e) = 100* abs[(d)-(c)]/(d) ⁽³⁾	(f)
125	365	1,640,634	4,495	4,574	1.7	20-30
126	660	4,225,453	6,402	6,515	1.7	20-30
127	5,849	29,884,818	5,109	5,116	0.1	5-10
128	15,226	61,197,354	4,019	4,016	0.1	0-5
129	4,248	27,997,972	6,591	6,693	1.5	10-20
130	509	13,559,993	26,640	27,374	2.7	10-20
131	159	3,248,452	20,431	21,053	3.0	10-20
132	104	1,687,055	16,222	15,851	2.3	20-30
133	813	11,712,364	14,406	14,243	1.1	0-5
134	3,719	33,793,606	9,087	9,126	0.4	0-5
135	8	198,106	24,763	15,109	63.9	75-100
136	10	412,322	41,232	26,712	54.4	75-100
137	923	7,876,183	8,533	8,496	0.4	20-30
138	1,085	9,313,145	8,584	8,928	3.9	20-30
139	3,001	19,273,442	6,422	6,661	3.6	10-20
140	1,397	10,359,641	7,416	7,408	0.1	20-30
141	2,004	12,657,802	6,316	6,422	1.6	10-20
142	281	12,762,331	45,418	45,924	1.1	5-10
143	263	11,119,121	42,278	40,936	3.3	5-10
144	3,177	66,355,795	20,886	20,886	0.0	0-5
145	614	11,039,708	17,980	17,932	0.3	0-5
146	613	13,491,721	22,009	22,048	0.2	5-10
147	2,057	32,681,388	15,888	15,857	0.2	0-5
148	23,111	254,749,470	11,023	11,015	0.1	0-5
149	1,634	21,114,741	12,922	12,980	0.4	0-5

Base DRG Code ⁽¹⁾	Number of Claims in PUF	Total Medicare Payment in PUF (\$)	Mean Medicare Payment in PUF ⁽²⁾ (\$)	Mean Medicare Payment in Initial 5% Sample ⁽²⁾ (\$)	Difference in Means (%)	Suppression Rate (%) ⁽¹⁾
	(a)	(b)	(c) = (b)/(a)	(d)	(e) = 100* abs[(d)-(c)]/(d) ⁽³⁾	(f)
150	364	5,432,959	14,926	14,974	0.3	5-10
151	993	11,421,282	11,502	11,337	1.4	0-5
152	7,138	77,794,483	10,899	10,896	0.0	0-5
153	1,432	14,519,743	10,139	10,264	1.2	0-5
154	201	2,904,250	14,449	14,540	0.6	20-30
155	318	2,507,239	7,884	8,383	5.9	20-30
156	3,596	22,870,919	6,360	6,363	0.0	0-5
157	2,469	21,648,190	8,768	8,767	0.0	0-5
158	636	6,149,150	9,668	9,692	0.2	10-20
159	39	308,672	7,915	9,848	19.6	50-75
160	583	5,455,200	9,357	8,834	5.9	5-10
161	142	1,167,331	8,221	7,939	3.5	40-50
162	4	30,312	7,578	6,055	25.2	75-100
163	118	752,323	6,376	7,123	10.5	20-30
164	700	4,169,622	5,957	5,985	0.5	5-10
165	11	57,663	5,242	5,751	8.8	75-100
166	1,238	12,846,726	10,377	10,364	0.1	10-20
167	114	523,274	4,590	4,917	6.6	40-50
168	2,058	10,137,375	4,926	4,862	1.3	10-20
169	43	161,093	3,746	3,921	4.5	50-75
170	458	6,720,427	14,673	14,052	4.4	30-40
171	1,274	8,439,430	6,624	6,841	3.2	20-30
172	406	3,571,684	8,797	10,175	13.5	40-50
173	31	380,826	12,285	9,459	29.9	75-100
174	4,532	21,654,158	4,778	4,798	0.4	5-10

Base DRG Code ⁽¹⁾	Number of Claims in PUF	Total Medicare Payment in PUF (\$)	Mean Medicare Payment in PUF ⁽²⁾ (\$)	Mean Medicare Payment in Initial 5% Sample ⁽²⁾ (\$)	Difference in Means (%)	Suppression Rate (%) ⁽¹⁾
	(a)	(b)	(c) = (b)/(a)	(d)	(e) = 100* abs[(d)-(c)]/(d) ⁽³⁾	(f)
175	1,141	6,498,699	5,696	5,582	2.0	10-20
176	823	2,971,007	3,610	3,880	7.0	20-30
177	884	4,988,764	5,643	5,673	0.5	20-30
178	742	7,059,667	9,514	9,174	3.7	20-30
179	1,861	7,854,954	4,221	4,232	0.3	10-20
180	239	1,875,767	7,848	7,404	6.0	40-50
181	1,137	18,670,473	16,421	16,496	0.5	0-5
182	240	2,222,527	9,261	9,540	2.9	10-20
183	1,135	9,759,518	8,599	8,862	3.0	10-20
184	671	2,844,238	4,239	4,305	1.5	0-5
185	76	437,779	5,760	5,782	0.4	20-30
186	1,144	13,530,809	11,828	11,286	4.8	10-20
187	218	1,240,387	5,690	6,046	5.9	30-40
188	42	264,352	6,294	8,261	23.8	50-75
189	37	154,986	4,189	4,785	12.5	50-75
190	8,285	41,406,130	4,998	4,990	0.1	5-10
191	991	3,899,527	3,935	3,999	1.6	10-20
192	299	1,405,387	4,700	5,147	8.7	30-40
193	140	1,989,117	14,208	13,645	4.1	10-20
194	391	5,856,137	14,977	15,270	1.9	5-10
195	649	6,781,593	10,449	10,468	0.2	5-10
196	205	3,311,677	16,155	15,066	7.2	10-20
197	897	4,441,222	4,951	5,002	1.0	0-5
198	246	4,416,674	17,954	17,346	3.5	40-50
199	4,938	25,102,543	5,084	5,051	0.6	5-10

Base DRG Code ⁽¹⁾	Number of Claims in PUF	Total Medicare Payment in PUF (\$)	Mean Medicare Payment in PUF ⁽²⁾ (\$)	Mean Medicare Payment in Initial 5% Sample ⁽²⁾ (\$)	Difference in Means (%)	Suppression Rate (%) ⁽¹⁾
	(a)	(b)	(c) = (b)/(a)	(d)	(e) = 100* abs[(d)-(c)]/(d) ⁽³⁾	(f)
200	12,891	57,885,971	4,490	4,511	0.4	5-10
201	32	177,924	5,560	5,871	5.3	50-75
202	1,010	6,262,370	6,200	6,353	2.4	20-30
203	484	11,070,634	22,873	22,944	0.3	0-5
204	352	8,356,379	23,740	23,811	0.3	5-10
205	904	11,208,756	12,399	12,361	0.3	5-10
206	808	10,851,361	13,430	13,468	0.3	5-10
207	255	2,096,631	8,222	8,138	1.0	20-30
208	258	1,930,509	7,483	7,732	3.2	5-10
209	1,365	9,320,819	6,828	6,821	0.1	0-5
210	55	379,588	6,902	6,700	3.0	30-40
211	1,125	16,974,859	15,089	14,987	0.7	10-20
212	13,010	98,576,925	7,577	7,554	0.3	5-10
213	37	183,932	4,971	5,104	2.6	50-75
214	113	688,974	6,097	7,077	13.8	50-75
215	14,127	68,306,877	4,835	4,819	0.3	0-5
216	37	206,805	5,589	6,056	7.7	50-75
217	842	3,207,752	3,810	3,939	3.3	20-30
218	404	1,462,335	3,620	3,766	3.9	30-40
219	2,707	19,043,502	7,035	7,163	1.8	10-20
220	1,169	7,728,151	6,611	6,523	1.4	0-5
221	87	750,486	8,626	8,425	2.4	30-40
222	22	181,287	8,240	9,361	12.0	50-75
223	1,793	6,833,296	3,811	3,807	0.1	0-5
224	33	209,409	6,346	7,326	13.4	40-50

Base DRG Code ⁽¹⁾	Number of Claims in PUF	Total Medicare Payment in PUF (\$)	Mean Medicare Payment in PUF ⁽²⁾ (\$)	Mean Medicare Payment in Initial 5% Sample ⁽²⁾ (\$)	Difference in Means (%)	Suppression Rate (%) ⁽¹⁾
	(a)	(b)	(c) = (b)/(a)	(d)	(e) = 100* abs[(d)-(c)]/(d) ⁽³⁾	(f)
225	24	134,396	5,600	7,605	26.4	50-75
226	62	444,983	7,177	7,188	0.1	50-75
227	161	605,169	3,759	4,153	9.5	30-40
228	281	1,259,341	4,482	4,668	4.0	30-40
229	15	146,059	9,737	9,521	2.3	75-100
230	94	1,131,487	12,037	12,226	1.5	30-40
231	230	3,594,380	15,628	15,851	1.4	5-10
232	522	4,262,994	8,167	8,066	1.3	0-5
233	2,127	10,599,188	4,983	4,989	0.1	0-5
234	93	611,680	6,577	6,610	0.5	40-50
235	511	2,418,255	4,732	4,727	0.1	5-10
236	918	3,489,352	3,801	3,833	0.8	0-5
237	21	254,935	12,140	13,257	8.4	50-75
238	137	1,040,709	7,596	7,819	2.9	40-50
239	129	978,778	7,587	8,452	10.2	40-50
240	93	337,499	3,629	3,584	1.3	30-40
241	311	1,660,522	5,339	5,078	5.1	0-5
242	8	39,325	4,916	4,374	12.4	20-30
243	71	230,107	3,241	3,181	1.9	5-10
244	303	616,239	2,034	2,018	0.8	0-5
245	18	74,483	4,138	6,651	37.8	40-50
246	6	21,562	3,594	3,527	1.9	40-50
247	11	25,918	2,356	1,918	22.9	30-40
248	100	386,392	3,864	4,024	4.0	20-30
249	4	5,681	1,420	1,949	27.1	75-100

Base DRG Code ⁽¹⁾	Number of Claims in PUF	Total Medicare Payment in PUF (\$)	Mean Medicare Payment in PUF ⁽²⁾ (\$)	Mean Medicare Payment in Initial 5% Sample ⁽²⁾ (\$)	Difference in Means (%)	Suppression Rate (%) ⁽¹⁾
	(a)	(b)	(c) = (b)/(a)	(d)	(e) = 100* abs[(d)-(c)]/(d) ⁽³⁾	(f)
250	39	929,485	23,833	19,743	20.7	50-75
251	20	302,762	15,138	15,560	2.7	75-100
252	1,006	8,542,222	8,491	8,731	2.7	10-20
253	5,845	28,196,694	4,824	4,853	0.6	5-10
254	414	3,876,976	9,365	9,016	3.9	30-40
255	199	1,064,999	5,352	5,999	10.8	40-50
256	85	1,353,436	15,923	17,460	8.8	50-75
257	164	2,653,573	16,180	17,559	7.8	50-75
258	28	363,573	12,985	16,333	20.5	75-100
259	266	6,352,505	23,882	24,034	0.6	40-50
260	187	4,614,305	24,675	26,499	6.9	20-30
261	863	10,059,044	11,656	11,709	0.5	30-40
262	80	539,231	6,740	7,940	15.1	50-75
263	1,368	10,419,638	7,617	7,753	1.8	5-10
264	12	119,474	9,956	9,753	2.1	75-100
265	1,794	59,866,028	33,370	32,501	2.7	20-30
266	544	10,134,269	18,629	18,795	0.9	30-40
267	1,403	11,773,218	8,391	8,551	1.9	10-20
268	697	3,141,399	4,507	4,929	8.6	20-30
269	448	2,076,186	4,634	5,018	7.6	20-30
270	260	3,221,167	12,389	13,510	8.3	50-75
271	1,273	51,383,854	40,364	40,757	1.0	0-5
272	17,904	182,074,889	10,170	10,161	0.1	0-5
273	1	6,090	6,090	14,820	58.9	75-100
274	490	2,056,609	4,197	4,218	0.5	20-30

Base DRG Code ⁽¹⁾	Number of Claims in PUF	Total Medicare Payment in PUF (\$)	Mean Medicare Payment in PUF ⁽²⁾ (\$)	Mean Medicare Payment in Initial 5% Sample ⁽²⁾ (\$)	Difference in Means (%)	Suppression Rate (%) ⁽¹⁾
	(a)	(b)	(c) = (b)/(a)	(d)	(e) = 100* abs[(d)-(c)]/(d) ⁽³⁾	(f)
275	997	4,673,651	4,688	4,685	0.1	5-10
276	287	1,305,619	4,549	4,894	7.0	10-20
277	117	783,810	6,699	7,603	11.9	20-30
278	2,052	15,828,111	7,714	7,669	0.6	10-20
279	21,248	155,119,284	7,300	7,346	0.6	0-5
280	103	784,764	7,619	8,305	8.3	10-20
281	15	99,716	6,648	5,476	21.4	50-75
282	229	543,144	2,372	2,258	5.0	10-20
283	644	3,839,341	5,962	5,971	0.2	0-5
284	3,023	12,734,477	4,213	4,220	0.2	5-10
285	209	3,362,400	16,088	17,127	6.1	10-20
286	90	1,716,645	19,074	17,844	6.9	20-30
287	4	18,660	4,665	6,838	31.8	75-100
288	510	8,697,302	17,054	15,429	10.5	50-75
289	257	1,010,096	3,930	5,157	23.8	30-40
290	245	684,613	2,794	3,034	7.9	30-40
291	2,594	12,676,416	4,887	4,963	1.5	10-20
292	1,236	9,635,637	7,796	7,831	0.4	30-40
293	154	736,190	4,780	5,537	13.7	40-50
294	2	453,100	226,550	198,060	14.4	50-75
295	38	1,637,620	43,095	34,152	26.2	40-50
296	30	238,516	7,951	9,318	14.7	50-75
297	144	3,271,780	22,721	16,957	34.0	50-75
298	17,219	268,940,283	15,619	15,551	0.4	0-5
299	3,141	12,739,283	4,056	4,036	0.5	10-20

Base DRG Code ⁽¹⁾	Number of Claims in PUF	Total Medicare Payment in PUF (\$)	Mean Medicare Payment in PUF ⁽²⁾ (\$)	Mean Medicare Payment in Initial 5% Sample ⁽²⁾ (\$)	Difference in Means (%)	Suppression Rate (%) ⁽¹⁾
	(a)	(b)	(c) = (b)/(a)	(d)	(e) = 100* abs[(d)-(c)]/(d) ⁽³⁾	(f)
300	157	2,819,452	17,958	16,162	11.1	40-50
301	15	88,522	5,901	7,046	16.2	75-100
302	154	3,560,726	23,122	22,832	1.3	30-40
303	23	903,467	39,281	37,932	3.6	75-100
304	102	1,148,999	11,265	12,170	7.4	50-75
305	1	80,711	80,711	45,197	78.6	75-100
306	433	6,196,184	14,310	14,720	2.8	20-30
307	117	841,418	7,192	7,346	2.1	40-50
308	1,925	51,990,903	27,008	25,480	6.0	30-40
309	83	1,223,517	14,741	15,656	5.8	10-20
310	581	9,193,816	15,824	14,443	9.6	50-75
311	16	303,425	18,964	18,697	1.4	75-100
Total	588,415	5,479,686,134	9,313	9,403	1.0	5-10

- (1) Base DRG codes that are fully suppressed (i.e., base DRG codes that do not appear in the *CMS 2008 BSA Inpatient Claims PUF*) are not included in this table. Hence, the actual suppression rate for any base DRG code in this table is less than 100%.
- (2) Mean Medicare Payment in PUF and Mean Medicare Payment in Initial 5% Sample are both weighted means. Mean Medicare Payment in PUF is calculated by dividing total (rounded) Medicare payment by the number of claims in the PUF. Mean Medicare Payment in Initial 5% Sample is calculated by dividing total actual (not rounded) Medicare payment in the initial 5% sample (not shown) by the number of claims in the initial 5% sample (not shown) for each base DRG code. A number of claims are excluded from the initial 5% sample because of negative value for Medicare payment amount or unknown DRG information.
- (3) “abs[]” stands for absolute value of the term inside the brackets.