

Automated Medicare Payment Report Based on Healthcar Common Procedure Coding System (HCPCS) Code

Tidewater Big Data Enthusiasts
Chuck Cartledge
Developer

Friday 27th November, 2015 at 12:37

Contents

1	Introduction	1
2	System description	1
3	Using the system	5
4	Results and analysis	5
5	Conclusion	5
A	103	10
A.1	Ordered by state	10
A.2	Ordered by VA ZIPs	11
A.3	Ordered by ZIP codes of interest	13
B	104	15
B.1	Ordered by state	15
B.2	Ordered by VA ZIPs	16
B.3	Ordered by ZIP codes of interest	16

C	140	19
C.1	Ordered by state	19
C.2	Ordered by VA ZIPs	20
C.3	Ordered by ZIP codes of interest	22
D	142	24
D.1	Ordered by state	24
D.2	Ordered by VA ZIPs	25
D.3	Ordered by ZIP codes of interest	29
E	144	32
E.1	Ordered by state	32
E.2	Ordered by VA ZIPs	33
E.3	Ordered by ZIP codes of interest	33
F	145	36
F.1	Ordered by state	36
F.2	Ordered by VA ZIPs	37
F.3	Ordered by ZIP codes of interest	39
G	400	41
G.1	Ordered by state	41
G.2	Ordered by VA ZIPs	42
G.3	Ordered by ZIP codes of interest	46
H	402	48
H.1	Ordered by state	48
H.2	Ordered by VA ZIPs	48
H.3	Ordered by ZIP codes of interest	50
I	532	52
I.1	Ordered by state	52
I.2	Ordered by VA ZIPs	53
I.3	Ordered by ZIP codes of interest	55
J	534	57
J.1	Ordered by state	57
J.2	Ordered by VA ZIPs	57
J.3	Ordered by ZIP codes of interest	59

K 537	61
K.1 Ordered by state	61
K.2 Ordered by VA ZIPs	62
K.3 Ordered by ZIP codes of interest	62
L 910	65
L.1 Ordered by state	65
L.2 Ordered by VA ZIPs	66
L.3 Ordered by ZIP codes of interest	69
M 99217	71
M.1 Ordered by state	71
M.2 Ordered by VA ZIPs	72
M.3 Ordered by ZIP codes of interest	79
N 99222	82
N.1 Ordered by state	82
N.2 Ordered by VA ZIPs	83
N.3 Ordered by ZIP codes of interest	101
O J2550	105
O.1 Ordered by state	105
O.2 Ordered by VA ZIPs	106
O.3 Ordered by ZIP codes of interest	106
P J7626	109
P.1 Ordered by state	109
P.2 Ordered by VA ZIPs	109
P.3 Ordered by ZIP codes of interest	111
Q J9206	113
Q.1 Ordered by state	113
Q.2 Ordered by VA ZIPs	113
Q.3 Ordered by ZIP codes of interest	115
R Healthcare Common Procedure Coding System (HCPCS) Codes	117
S Medicare database fields	221

List of Tables

1	Hive database load and count(*) times.	5
2	Healthcare Common Procedure Coding System (HCPCS) codes.	117
3	Medicare field names and descriptions.	221

List of Figures

1	Medicare query system 50,000 foot view.	2
2	Medicare query system 1,000 foot view.	3
3	Medicare query system 100 foot view.	4
4	Initial TBDE user interface.	6
5	Feedback to the user about what will be happening.	7
6	Downloading the updated report.	8
7	Pareto chart for 00103 dollars for all states.	12
8	00103 heat map for selected ZIP codes.	14
9	Pareto chart for 00104 dollars for all states.	17
10	00104 heat map for selected ZIP codes.	18
11	Pareto chart for 00140 dollars for all states.	21
12	00140 heat map for selected ZIP codes.	23
13	Pareto chart for 00142 dollars for all states.	26
14	00142 heat map for selected ZIP codes.	31
15	Pareto chart for 00144 dollars for all states.	34
16	00144 heat map for selected ZIP codes.	35
17	Pareto chart for 00145 dollars for all states.	38
18	00145 heat map for selected ZIP codes.	40
19	Pareto chart for 00400 dollars for all states.	43
20	00400 heat map for selected ZIP codes.	47
21	Pareto chart for 00402 dollars for all states.	49
22	00402 heat map for selected ZIP codes.	51
23	Pareto chart for 00532 dollars for all states.	54
24	00532 heat map for selected ZIP codes.	56
25	Pareto chart for 00534 dollars for all states.	58
26	00534 heat map for selected ZIP codes.	60
27	Pareto chart for 00537 dollars for all states.	63
28	00537 heat map for selected ZIP codes.	64
29	Pareto chart for 00910 dollars for all states.	67
30	00910 heat map for selected ZIP codes.	70
31	Pareto chart for 99217 dollars for all states.	73
32	99217 heat map for selected ZIP codes.	81

33	Pareto chart for 99222 dollars for all states.	84
34	99222 heat map for selected ZIP codes.	104
35	Pareto chart for J2550 dollars for all states.	107
36	J2550 heat map for selected ZIP codes.	108
37	Pareto chart for J7626 dollars for all states.	110
38	J7626 heat map for selected ZIP codes.	112
39	Pareto chart for J9206 dollars for all states.	114
40	J9206 heat map for selected ZIP codes.	116

1 Introduction

The Tidewater Big Data Enthusiasts (TBDE) is a collection of individuals with diverse backgrounds and experiences, all of whom are interested in various aspects of Big Data (BD).

TBDE attempts to address the aspects of BD dealing with:

1. What is BD? From a practical standpoint, from a theoretical standpoint, from a social standpoint, from an ethical standpoint.
2. What aspects of BD are interesting from a from a professional development perspective?
 - Where BD comes from?
 - How is BD processed?
3. What types of tools and technologies are used, or associated with BD? Things like:
 - Hadoop
 - Amazon Web Services (AWS) Elastic Cloud Computing (E2C)
 - Genetic algorithms, or programming
4. How to visualize BD.

This report is an example of how one example of BD can be “mined” to answer a specific question. Based on that exploration, other questions could be asked.

This report is geared to answer one question:

How many 2013 Medicare payment dollars came into the ZIP codes that comprise Southside Hampton Roads?

The question is answered by the user selecting which healthcare common procedure coding system (HCPCS) code to extract from the Medicare Provider Utility Payment file for calendar year 2013 (the most recent data available). Data extracted from the file is presented in a number of different formats, including a state-by-state report, a Virginia ZIP code report, a Southside Hampton Roads specific ZIP code report, and a map of Southside Hampton Roads ZIP code areas showing where the HCPCS funds were paid.

This demonstration system is designed for a single user to ask a specific question and to demonstrate how various BD technologies and tools can be “glued” together.

2 System description

At a 50,000 foot view the system is very simple to operate (see Figure 1). The user:

1. Selects a HCPCS code of interest.

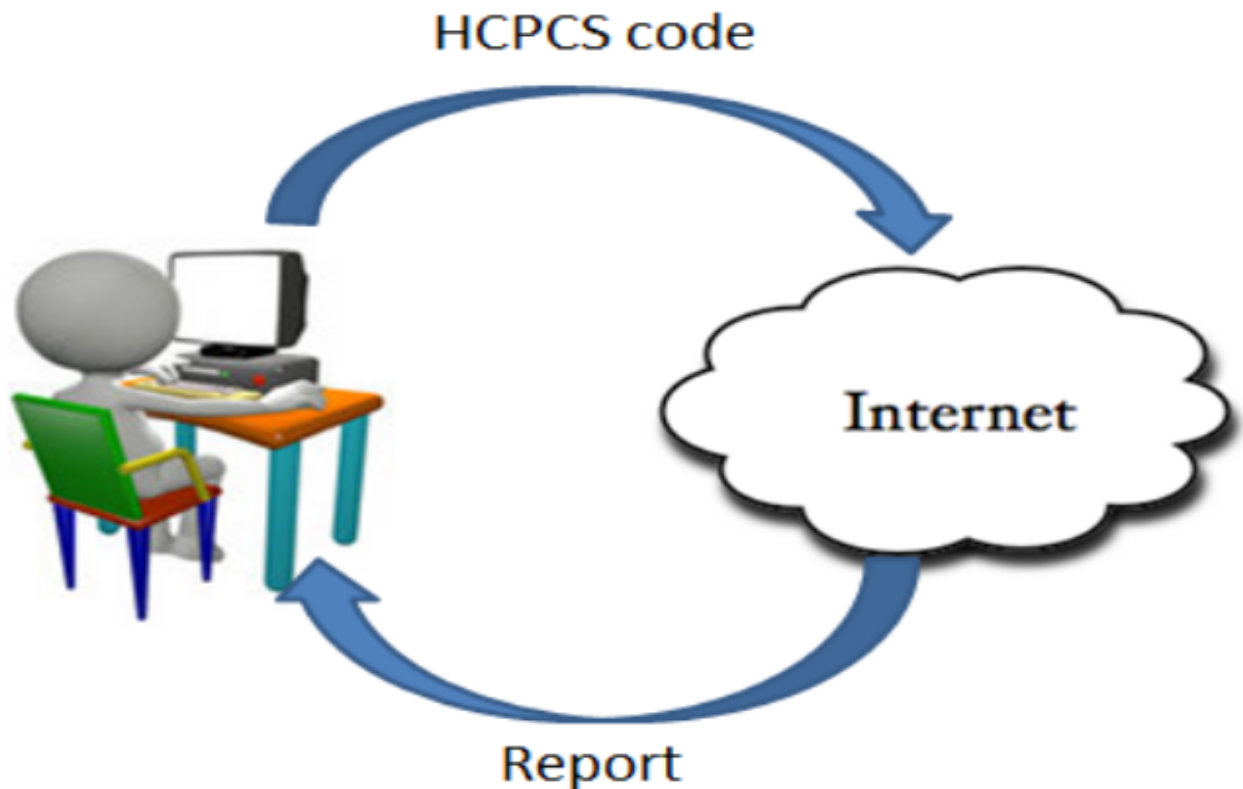


Figure 1: Medicare query system 50,000 foot view.

2. Presses the Select button.
3. Waits approximately 130 seconds for the query to be serviced and the report to be generated.
4. Reads the report.

At a 1,000 foot view, things are more complex (see Figure 2).

1. The HCPCS code request is received by a cable modem via an HTTP SUBMIT.
2. The request routed via an internal router to the Master computer.
3. Master uses a file to forward the HCPCS code to the Drone computer.
4. Drone processes the request using a Hive database, and writes the results to a shared disk.
5. Master retrieves the data, incorporates the new data into the existing report, generates a new report, and makes the updated report available.

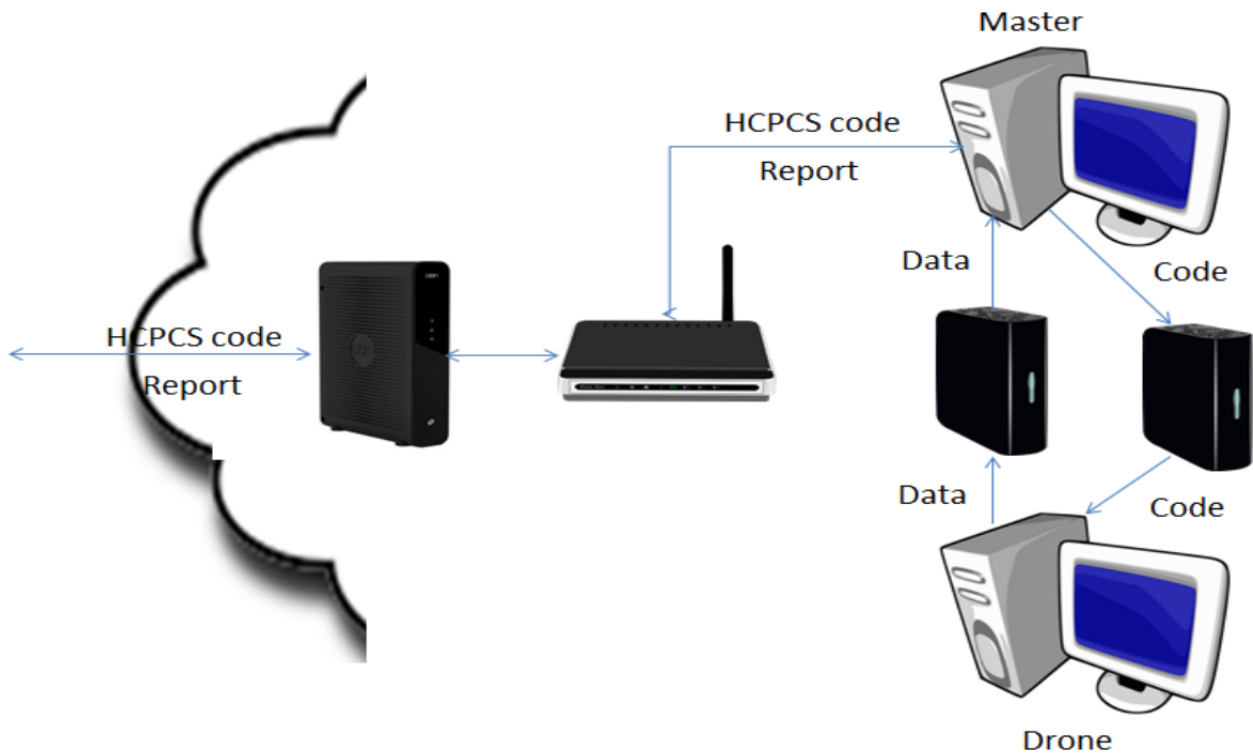


Figure 2: Medicare query system 1,000 foot view.

6. The user requests the updated report via an HTTP GET.

At a 100 foot view, things are more complex (see Figure 3).

1. Master and Drone have continuous bash operations running at all times.
2. Master's Apache web server presents the TBDE HCPCS code selection page, and passes the selection to a PHP script.
3. The PHP script indirectly writes the code to the local file system.
4. Master's continuous query script finds the new request, writes the request to Drone's file system, and then waits for Drone to complete its operations.
5. Drone's continuous poll bash script detects the new request, constructs a Hive query, waits for Hive to write the results to its local file system, and writes a completion file for Master.
6. Master detects the completion file's presence, copies the Hive data files to local file system, and starts the report generation process.

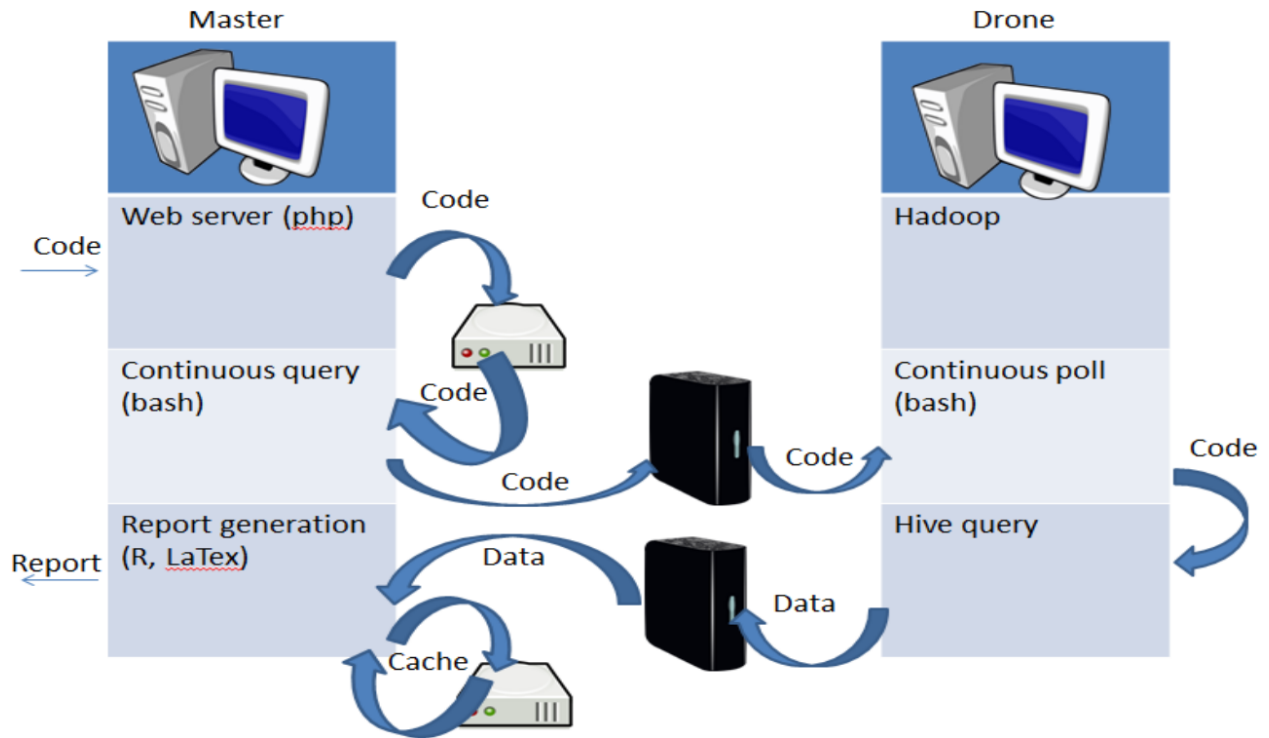


Figure 3: Medicare query system 100 foot view.

7. The report generation process inventories all the HCPCS codes that have been requested, updates its cache as needed with new data, and creates a new report.
8. The new report is copied to a local directory where the Apache web server can make it available to the user.

The report relies on a number of separate and distinct databases. These include

- The Medicare database (see Table 1), that has all the raw data.
- A database to convert city and state names into ZIP codes¹.
- A gazetteer to convert ZIP codes into shape files².

The approximate times to create a new report have been measured

	Type	Seconds
	No new data	10
	One new HCPCS code	130

¹<http://www.boutell.com/zipcodes/>

²<https://www.census.gov/geo/maps-data/data/gazetteer.html>

Table 1: Hive database load and count(*) times. The load time is almost constant regardless of database size. The complete database is 2,209,344,403 bytes.

Size	Load (secs)	count(*) (secs)	Total dollar payments
100	0.61	2.44	682,382.88
1,000	0.58	2.46	13,047,122.29
10,000	0.58	2.44	72,119,397.42
100,000	0.59	2.48	789,418,075.62
1,000,000	0.59	4.46	8,189,752,120.22
9,287,876	0.63	16.28	76,799,101,722.76

3 Using the system

The user is presented with the initial screen (see Figure 4), where the HCPCS of interest is selected from the pull-down list. After selecting a code, the user presses the Submit button. The system will respond with a status screen showing the arguments that were processed and where the final answer will be available (see Figure 5). The user then can download the new report from the location reported in the feedback screen (see Figure 6)

4 Results and analysis

The system relies on a “man-in-the-loop” and takes a fair amount of time to process one request.

5 Conclusion

The system is adequate to demonstrate how Big Data could be processed to answer some sample questions. The system is not a production system, but more of a “proof of concept.”

Using the system provides insight into a number of other questions. These include:

1. How have Medicare payments changes over time?
2. Is there a correlation between Medicare payments, and pharmaceutical payments to physicians?
3. Is there a correlation between a representative’s party and the amount of Medicare payments to their district?

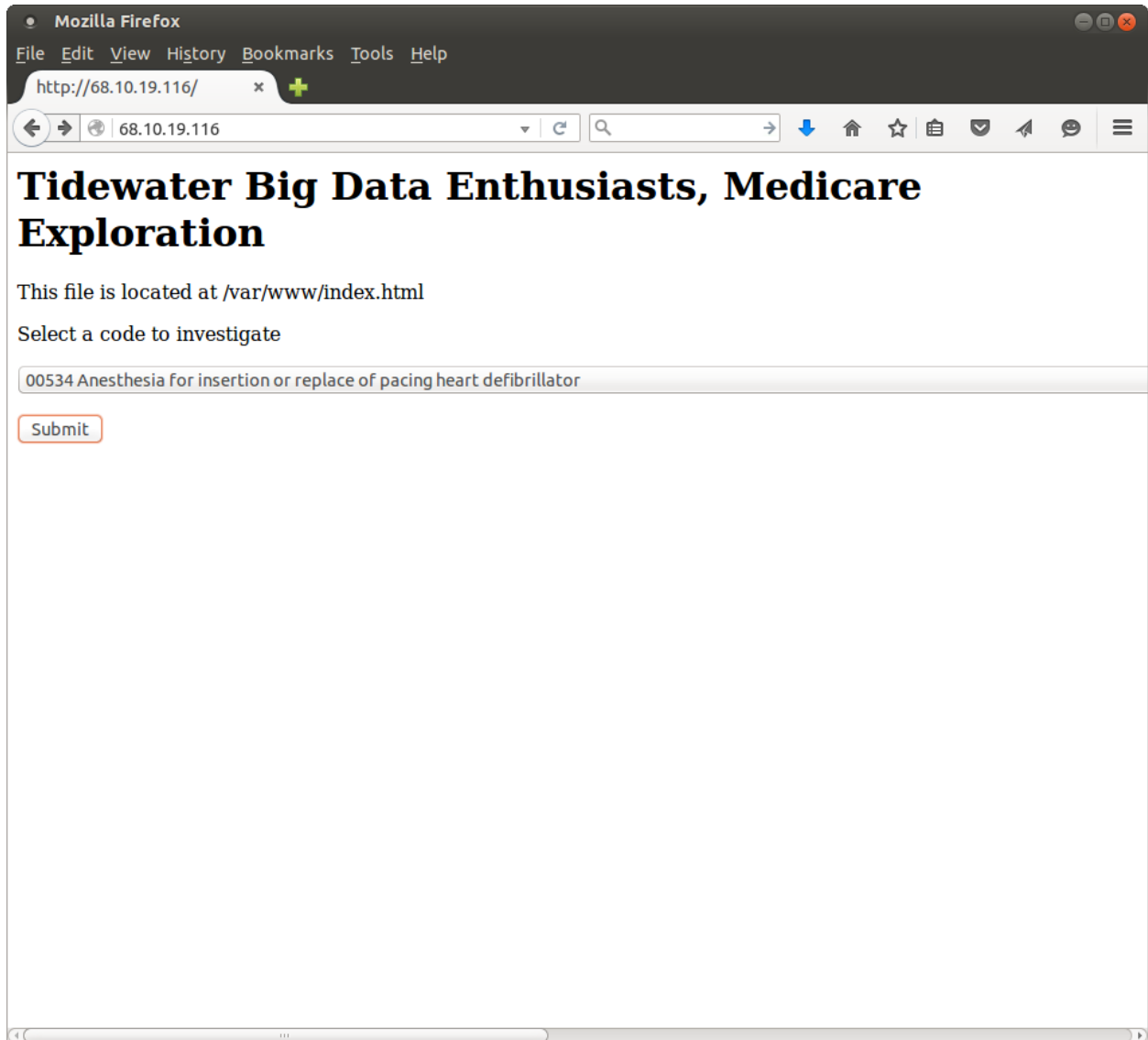


Figure 4: Initial TBDE user interface. The IP address in the address bar will likely change in the near future. Do not rely on it.

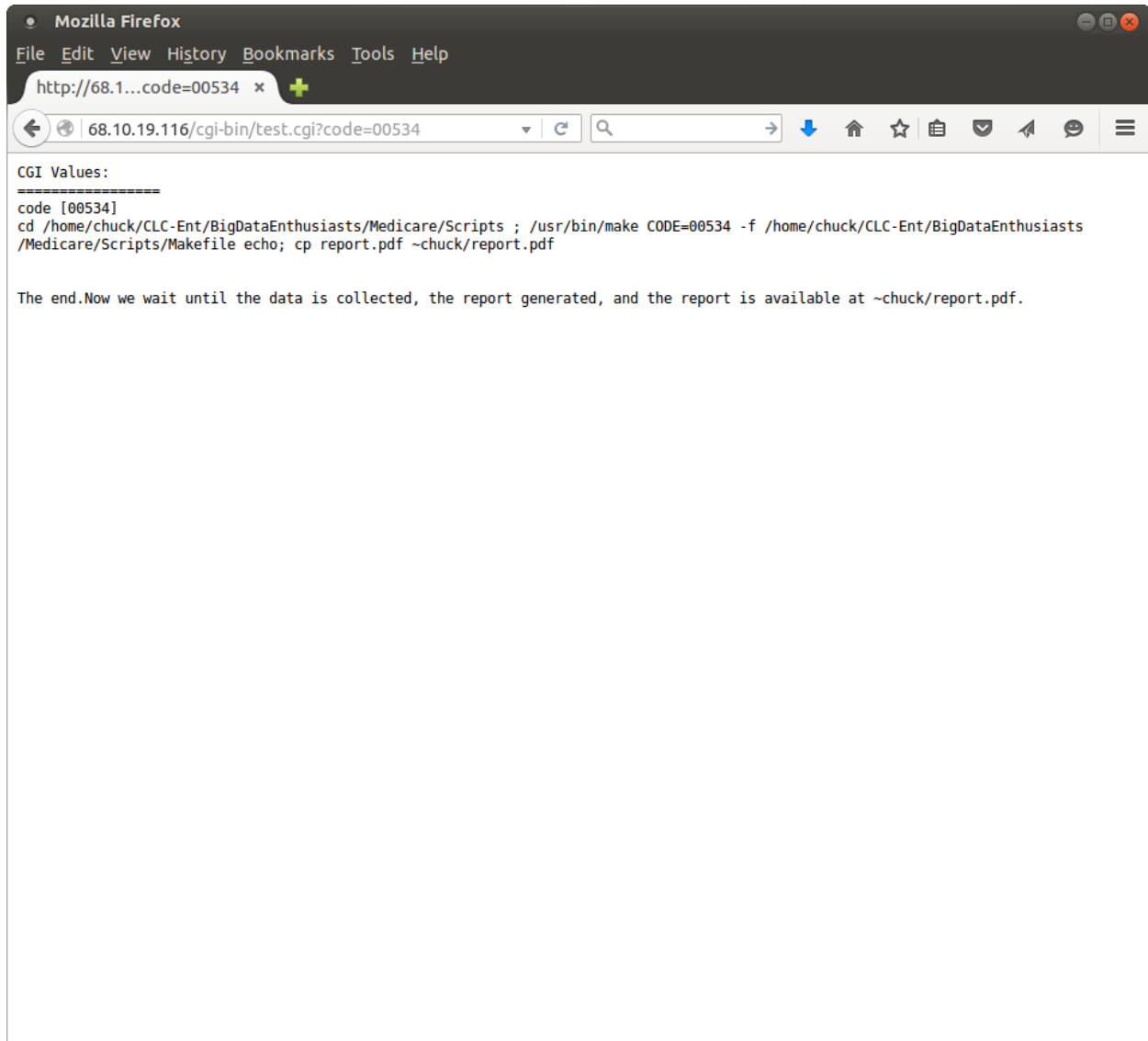


Figure 5: Feedback to the user about what will be happening. The IP address in the address bar will likely change in the near future. Do not rely on it.

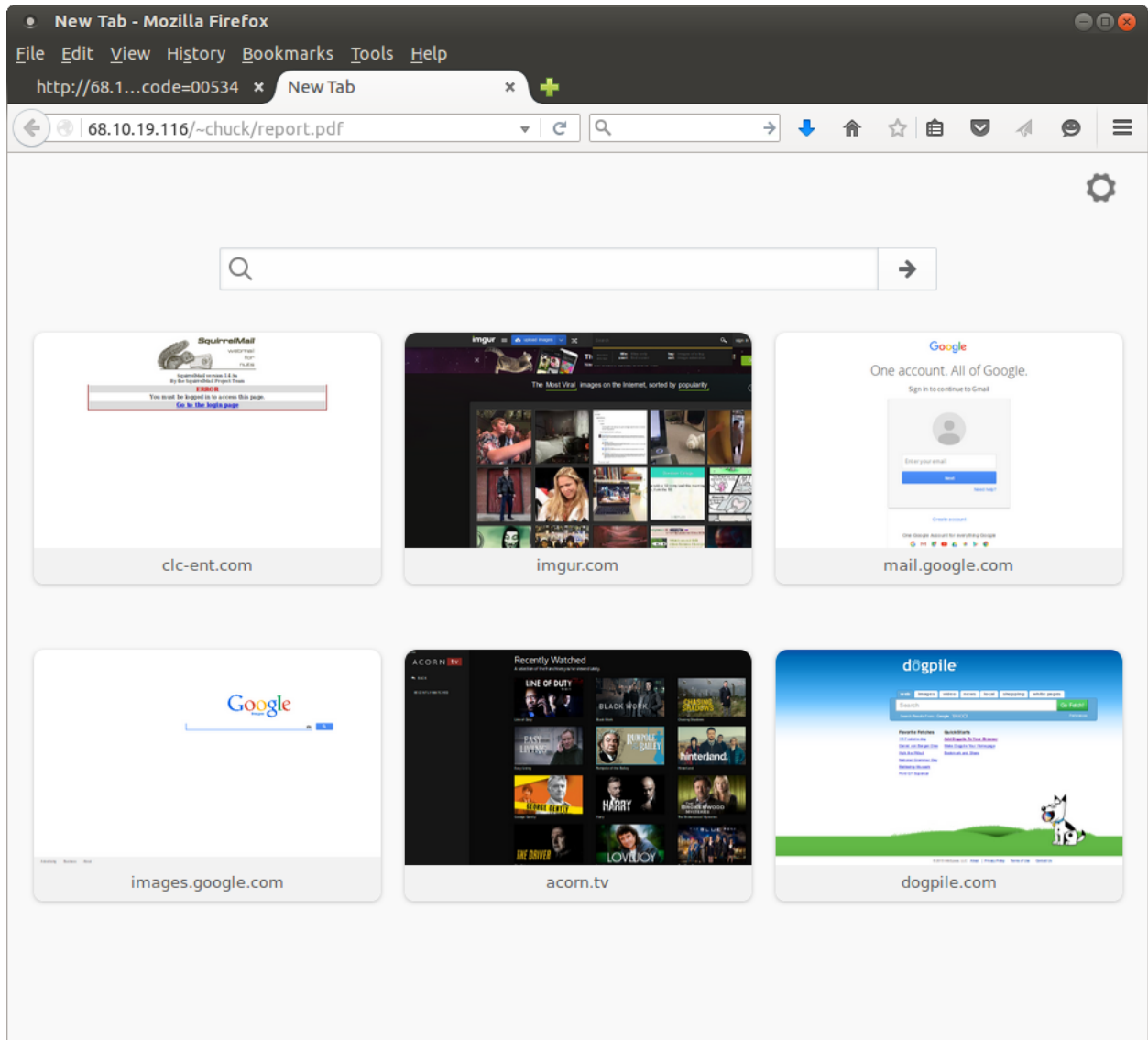


Figure 6: Downloading the updated report. The IP address in the address bar will likely change in the near future. Do not rely on it.

4. Are there any insights that can be gained by looking at when HCPCS codes are entered into the system?
5. What kinds of correlations and insights could be gained if we combined census data with Medicare by ZIP code?
6. Are there demographic trends that are visible when we combine census and Medicare data as a function of time?

A 103

Anesthesia for procedure on eyelid

A.1 Ordered by state

List is ordered by state with greatest Medicare dollar payment for this procedure, followed by the amount, the number of payments made, then the average payment for that state.

1. FL 35,419.18 (261) 136	20. AL 5,752.32 (73) 79
2. CA 30,935.00 (200) 155	21. VA 5,576.59 (58) 96 ***
3. TX 17,125.72 (148) 116	22. UT 5,192.70 (38) 137
4. MI 13,543.69 (141) 96	23. CO 5,052.80 (37) 137
5. PA 11,323.56 (112) 101	24. KS 4,749.28 (37) 128
6. GA 10,125.37 (104) 97	25. WI 4,603.15 (47) 98
7. OH 9,849.63 (92) 107	26. CT 4,104.70 (39) 105
8. IL 9,453.14 (81) 117	27. OR 4,014.14 (31) 129
9. NY 8,985.84 (83) 108	28. NJ 3,973.55 (31) 128
10. AZ 8,903.18 (61) 146	29. KY 3,941.75 (36) 109
11. NC 8,877.05 (95) 93	30. LA 3,091.90 (27) 115
12. TN 8,456.44 (76) 111	31. MN 2,989.84 (30) 100
13. SC 8,447.64 (78) 108	32. AR 2,584.16 (22) 117
14. MA 7,060.01 (72) 98	33. NV 2,377.37 (17) 140
15. IN 6,808.38 (54) 126	34. MS 2,345.33 (20) 117
16. MO 6,583.13 (56) 118	35. IA 2,305.46 (20) 115
17. MD 6,443.96 (49) 132	36. NH 1,878.11 (20) 94
18. WA 6,201.36 (45) 138	37. NE 1,763.54 (11) 160
19. OK 6,044.09 (45) 134	38. ID 1,401.56 (10) 140
	39. ME 1,239.65 (9) 138
	40. DE 1,231.55 (12) 103

41. NM 1,111.18 (8) 139	47. HI 587.55 (3) 196
42. WV 1,099.37 (11) 100	48. VT 453.78 (5) 91
43. ND 1,085.53 (9) 121	49. AK 377.14 (2) 189
44. SD 997.23 (8) 125	50. DC 348.34 (2) 174
45. RI 992.05 (10) 99	51. WY 306.70 (2) 153
46. PR 813.29 (4) 203	52. MT 269.11 (2) 135

A.2 Ordered by VA ZIPs

List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

1. 23235-4724 757.72 (10)	15. 24149-2910 145.78 (1)
2. 23507-1904 639.26 (7)	16. 23601-1929 145.10 (2)
3. 24153-3610 393.39 (3)	17. 23606-4425 142.54 (2)
4. 23229-5205 304.19 (3)	18. 24153 137.89 (1)
5. 22908-0001 295.70 (3)	19. 22939 137.70 (1)
6. 23226-1907 286.48 (4)	20. 23704-2816 136.84 (2)
7. 22033-1709 198.83 (2)	21. 22939-2332 128.93 (1)
8. 22902-5316 188.17 (1)	22. 23454-2640 123.63 (1)
9. 20190-3219 163.70 (2)	23. 22033 101.86 (1)
10. 22482-3880 161.89 (1)	24. 23462-6523 83.96 (1)
11. 24541-2922 151.64 (1)	25. 23805-9274 79.70 (1)
12. 23235-1962 151.30 (2)	26. 23502 76.59 (1)
13. 24014-1838 150.50 (1)	27. 24073-6374 75.89 (1)
14. 24551 149.43 (1)	28. 23666-5966 67.97 (1)

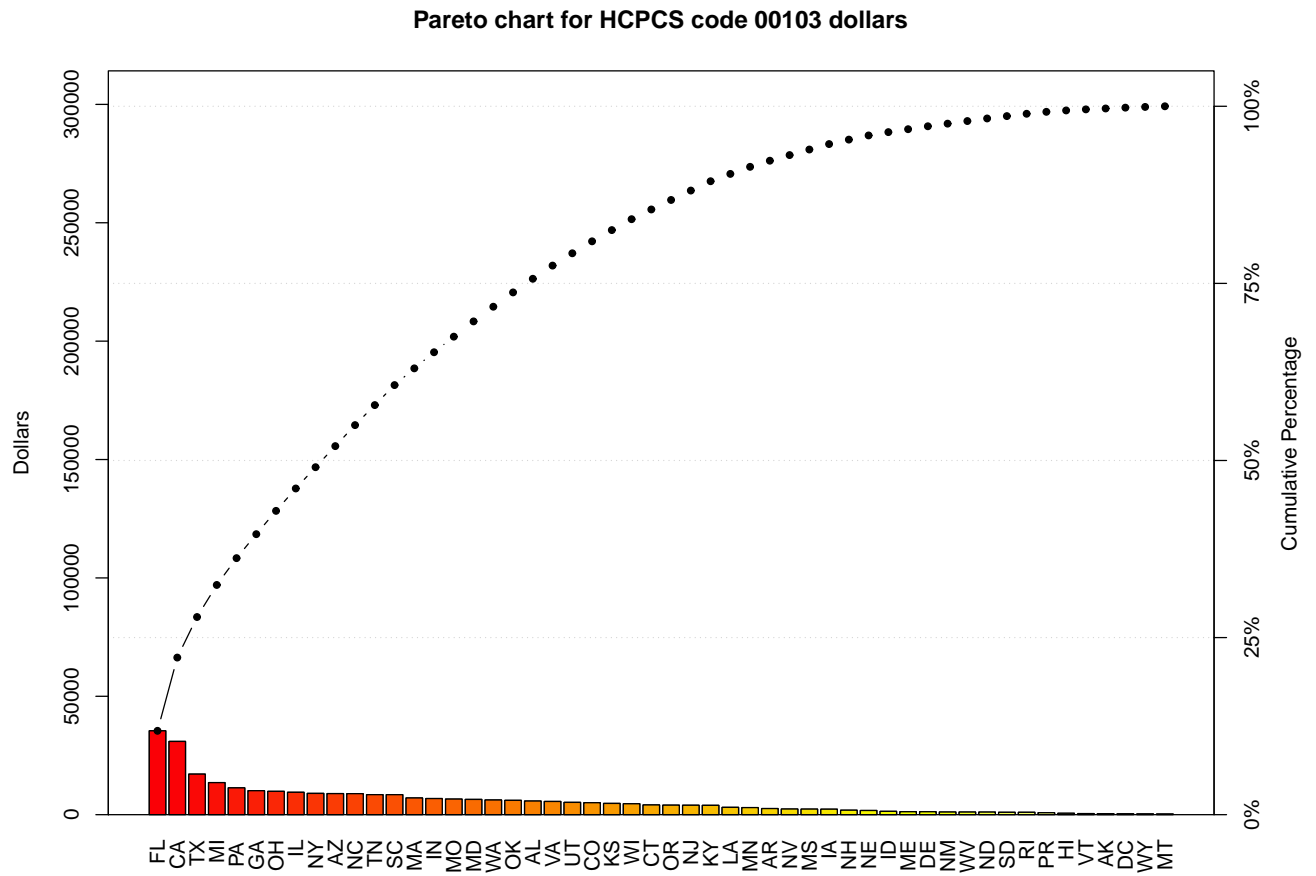


Figure 7: Pareto chart for 00103 dollars for all states. Chart is for all states/territories/possessions reporting.

A.3 Ordered by ZIP codes of interest

Extracting and processing ZIP codes for these cities: List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

- Chesapeake, VA
- Norfolk, VA
- Portsmouth, VA
- Virginia Beach, VA

Presumably these are all South Hampton Roads cities.

1. 23507-1904 639.26 (7)
2. 23704-2816 136.84 (2)
3. 23454-2640 123.63 (1)
4. 23462-6523 83.96 (1)
5. 23502 76.59 (1)

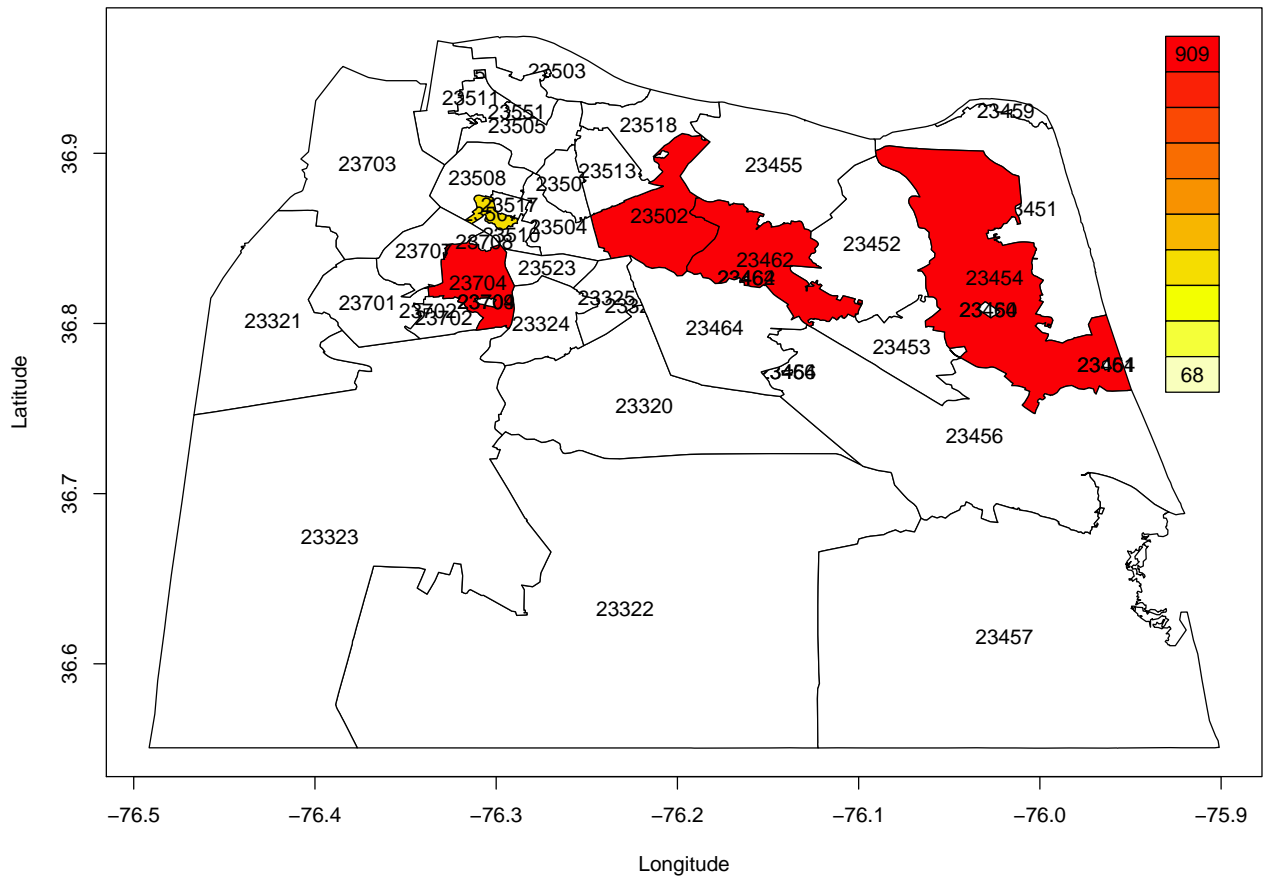


Figure 8: 00103 heat map for selected ZIP codes. Heat map is for the ZIP codes of selected cities.

B 104

Anesthesia for electric shock treatment

B.1 Ordered by state

List is ordered by state with greatest Medicare dollar payment for this procedure, followed by the amount, the number of payments made, then the average payment for that state.

1. NY 12,522.72 (173) 72	20. MI 3,589.41 (79) 45
2. IL 10,455.29 (178) 59	21. SC 3,483.44 (82) 42
3. CA 9,862.71 (136) 73	22. IA 3,150.96 (46) 68
4. FL 9,583.18 (148) 65	23. TN 2,851.36 (55) 52
5. MA 9,400.98 (158) 59	24. GA 2,464.52 (39) 63
6. MN 8,214.49 (175) 47	25. NE 2,424.31 (37) 66
7. PA 7,465.00 (161) 46	26. KS 2,110.85 (49) 43
8. MD 6,796.44 (118) 58	27. AL 1,818.30 (46) 40
9. OH 5,514.57 (94) 59	28. CO 1,809.24 (23) 79
10. NJ 5,390.29 (95) 57	29. WI 1,546.68 (24) 64
11. ME 4,649.49 (109) 43	30. DC 1,487.67 (19) 78
12. NC 4,550.15 (100) 46	31. RI 1,230.76 (18) 68
13. IN 4,508.00 (66) 68	32. VT 1,223.04 (32) 38
14. WA 4,292.19 (56) 77	33. UT 1,015.49 (13) 78
15. CT 4,271.28 (59) 72	34. NM 815.94 (19) 43
16. TX 3,868.28 (61) 63	35. DE 797.85 (21) 38
17. MD 3,720.64 (51) 73	36. OK 794.10 (12) 66
18. VA 3,692.06 (71) 52 ***	37. SD 788.31 (21) 38
19. NH 3,666.54 (92) 40	38. MS 725.27 (17) 43
	39. ND 708.37 (9) 79
	40. AZ 703.02 (9) 78

41. LA 693.22 (15) 46	45. OR 144.47 (3) 48
42. AR 500.85 (7) 72	46. NV 113.28 (2) 57
43. KY 331.08 (5) 66	47. HI 83.43 (1) 83
44. WV 260.39 (4) 65	

B.2 Ordered by VA ZIPs

List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

1. 23298-5051 835.66 (18)	13. 22801-3658 75.03 (1)
2. 22908-0001 570.57 (11)	14. 23708-2111 70.93 (1)
3. 22205-3610 476.88 (7)	15. 22033-2907 62.56 (1)
4. 22042-3307 351.67 (5)	16. 23298-0510 59.58 (1)
5. 23226-1907 224.59 (6)	17. 23114-3222 51.13 (1)
6. 23507-1904 195.01 (5)	18. 23235-4724 43.64 (1)
7. 23298-0509 90.33 (2)	19. 24153-7474 39.94 (1)
8. 23298-0541 84.86 (2)	20. 23454-3002 39.23 (1)
9. 23455 84.72 (1)	21. 23601-1929 37.88 (1)
10. 22027-1002 79.23 (1)	22. 22601-2808 35.16 (1)
11. 24266 77.42 (1)	23. 23116-1844 30.19 (1)
12. 23805 75.88 (1)	

B.3 Ordered by ZIP codes of interest

Extracting and processing ZIP codes for these cities: List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

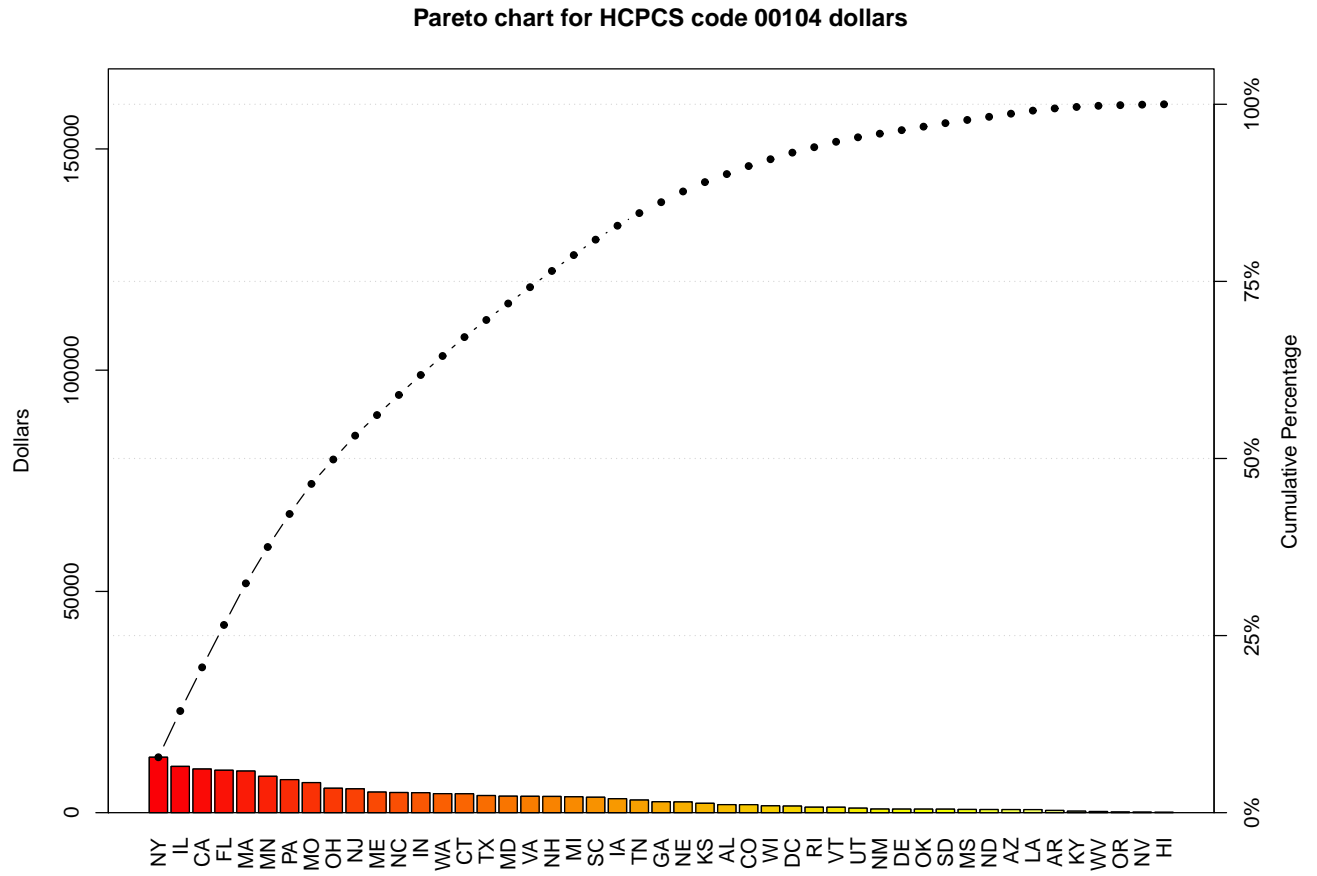


Figure 9: Pareto chart for 00104 dollars for all states. Chart is for all states/territories/possessions reporting.

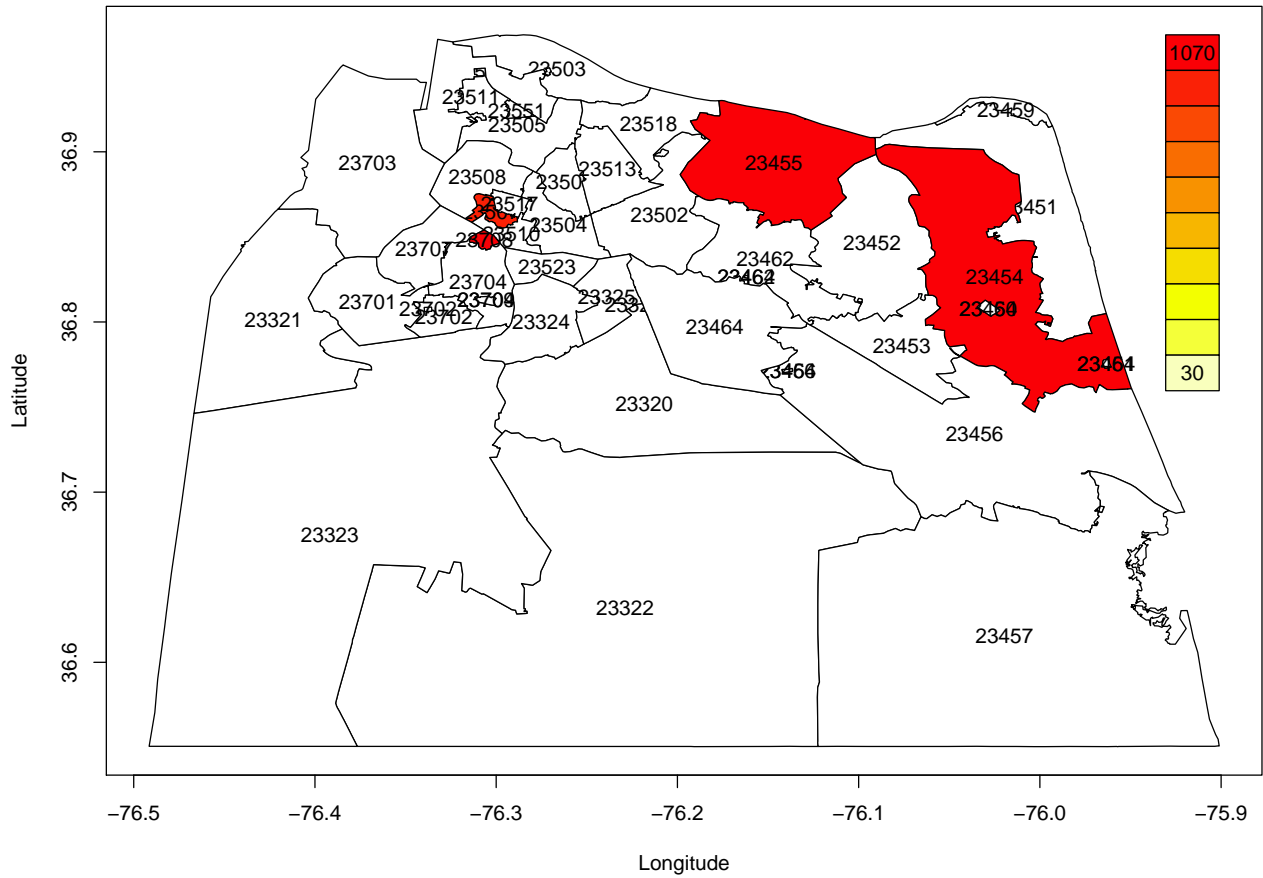


Figure 10: 00104 heat map for selected ZIP codes. Heat map is for the ZIP codes of selected cities.

- Chesapeake, VA
- Norfolk, VA
- Portsmouth, VA
- Virginia Beach, VA

Presumably these are all South Hampton Roads cities.

1. 23507-1904 195.01 (5)
2. 23455 84.72 (1)
3. 23708-2111 70.93 (1)
4. 23454-3002 39.23 (1)

C 140

Anesthesia for procedure on eye

C.1 Ordered by state

List is ordered by state with greatest Medicare dollar payment for this procedure, followed by the amount, the number of payments made, then the average payment for that state.

1. CA 31,070.52 (217) 143	20. WA 5,063.06 (37) 137
2. FL 23,432.04 (181) 129	21. CT 4,680.99 (45) 104
3. TX 19,298.80 (184) 105	22. AL 4,276.67 (56) 76
4. NY 15,988.79 (143) 112	23. WI 3,731.41 (33) 113
5. MI 11,801.59 (121) 98	24. LA 3,481.88 (32) 109
6. NC 11,716.89 (132) 89	25. CO 3,354.72 (27) 124
7. MA 10,716.30 (98) 109	26. MN 3,275.88 (33) 99
8. PA 10,692.75 (110) 97	27. UT 3,251.93 (25) 130
9. IL 9,410.93 (70) 134	28. IA 3,176.33 (25) 127
10. MD 8,488.26 (73) 116	29. OK 2,979.11 (24) 124
11. NJ 8,142.54 (60) 136	30. NV 2,661.90 (19) 140
12. TN 7,859.03 (71) 111	31. KY 2,520.91 (24) 105
13. OH 7,775.94 (71) 110	32. OR 2,345.66 (21) 112
14. VA 6,737.87 (75) 90 ***	33. AR 2,287.34 (19) 120
15. IN 6,484.57 (49) 132	34. KS 2,253.80 (17) 133
16. GA 6,197.41 (65) 95	35. NE 1,817.96 (15) 121
17. MO 6,092.85 (50) 122	36. PR 1,575.94 (8) 197
18. AZ 5,830.64 (44) 133	37. ME 1,523.38 (11) 138
19. SC 5,534.24 (53) 104	38. HI 1,425.39 (10) 143
	39. NM 1,425.16 (11) 130
	40. MS 1,382.19 (12) 115

41. ID 1,281.96 (9) 142	47. NH 462.19 (4) 116
42. DC 961.11 (7) 137	48. WY 284.56 (2) 142
43. SD 807.08 (7) 115	49. MT 281.69 (2) 141
44. WV 756.46 (8) 95	50. VT 161.22 (1) 161
45. RI 751.58 (7) 107	51. ND 146.70 (1) 147
46. DE 535.07 (5) 107	

C.2 Ordered by VA ZIPs

List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

1. 23235-4724 910.91 (13)	16. 22182-1674 141.81 (1)
2. 23704-2816 543.10 (8)	17. 23606-4425 133.31 (2)
3. 23229-5205 376.50 (4)	18. 23601-1929 131.50 (2)
4. 23226-1907 337.13 (5)	19. 24153 125.17 (1)
5. 22030 308.28 (2)	20. 23454-2517 125.15 (1)
6. 22304-1535 263.91 (2)	21. 24149-2910 123.84 (1)
7. 22042-3307 247.89 (3)	22. 23434-4259 122.45 (1)
8. 22908-0001 245.74 (3)	23. 22182-2641 121.51 (1)
9. 24153-3610 213.76 (2)	24. 23454-4064 119.59 (1)
10. 23226-2444 207.35 (1)	25. 23502-3920 118.65 (1)
11. 23235-1962 203.04 (3)	26. 23454-2640 111.67 (1)
12. 24018-4357 189.34 (1)	27. 23707-3236 103.88 (1)
13. 22902-5316 184.49 (1)	28. 22033 99.02 (1)
14. 20190-3219 166.12 (2)	29. 23322-4339 87.68 (1)
15. 24541-2922 146.64 (1)	30. 23320-4802 80.00 (1)

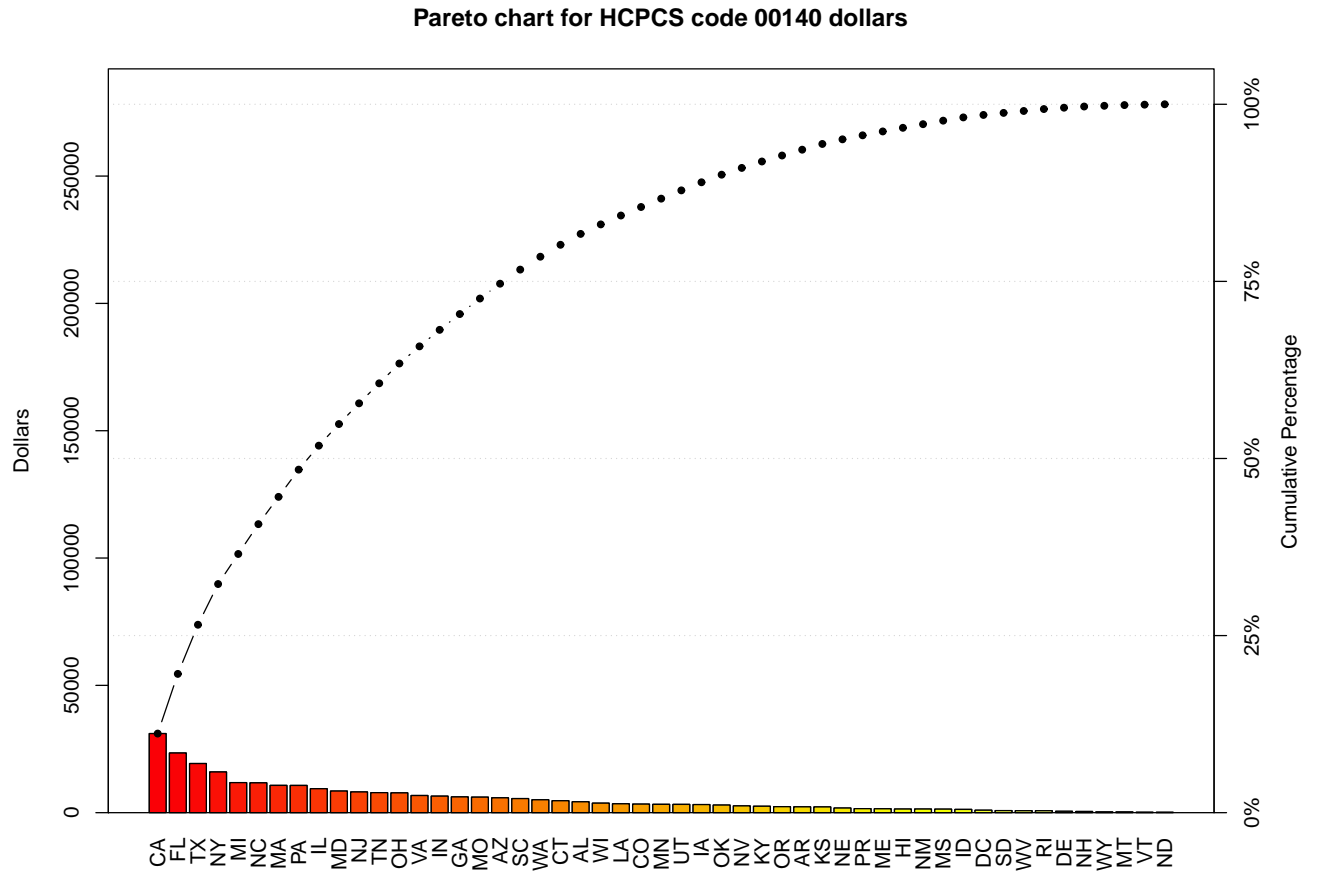


Figure 11: Pareto chart for 00140 dollars for all states. Chart is for all states/territories/possessions reporting.

- | | |
|--------------------------|--------------------------|
| 31. 23298-0509 73.38 (1) | 35. 23666-5966 61.43 (1) |
| 32. 24457 67.37 (1) | 36. 23505-4602 60.71 (1) |
| 33. 23805-9274 66.47 (1) | 37. 23707 57.43 (1) |
| 34. 23502 61.66 (1) | |

C.3 Ordered by ZIP codes of interest

Extracting and processing ZIP codes for these cities: List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

- | | |
|------------------|----------------------|
| • Chesapeake, VA | • Portsmouth, VA |
| • Norfolk, VA | • Virginia Beach, VA |

Presumably these are all South Hampton Roads cities.

- | | |
|--------------------------|--------------------------|
| 1. 23704-2816 543.10 (8) | 7. 23322-4339 87.68 (1) |
| 2. 23454-2517 125.15 (1) | 8. 23320-4802 80.00 (1) |
| 3. 23454-4064 119.59 (1) | 9. 23502 61.66 (1) |
| 4. 23502-3920 118.65 (1) | 10. 23505-4602 60.71 (1) |
| 5. 23454-2640 111.67 (1) | 11. 23707 57.43 (1) |
| 6. 23707-3236 103.88 (1) | |

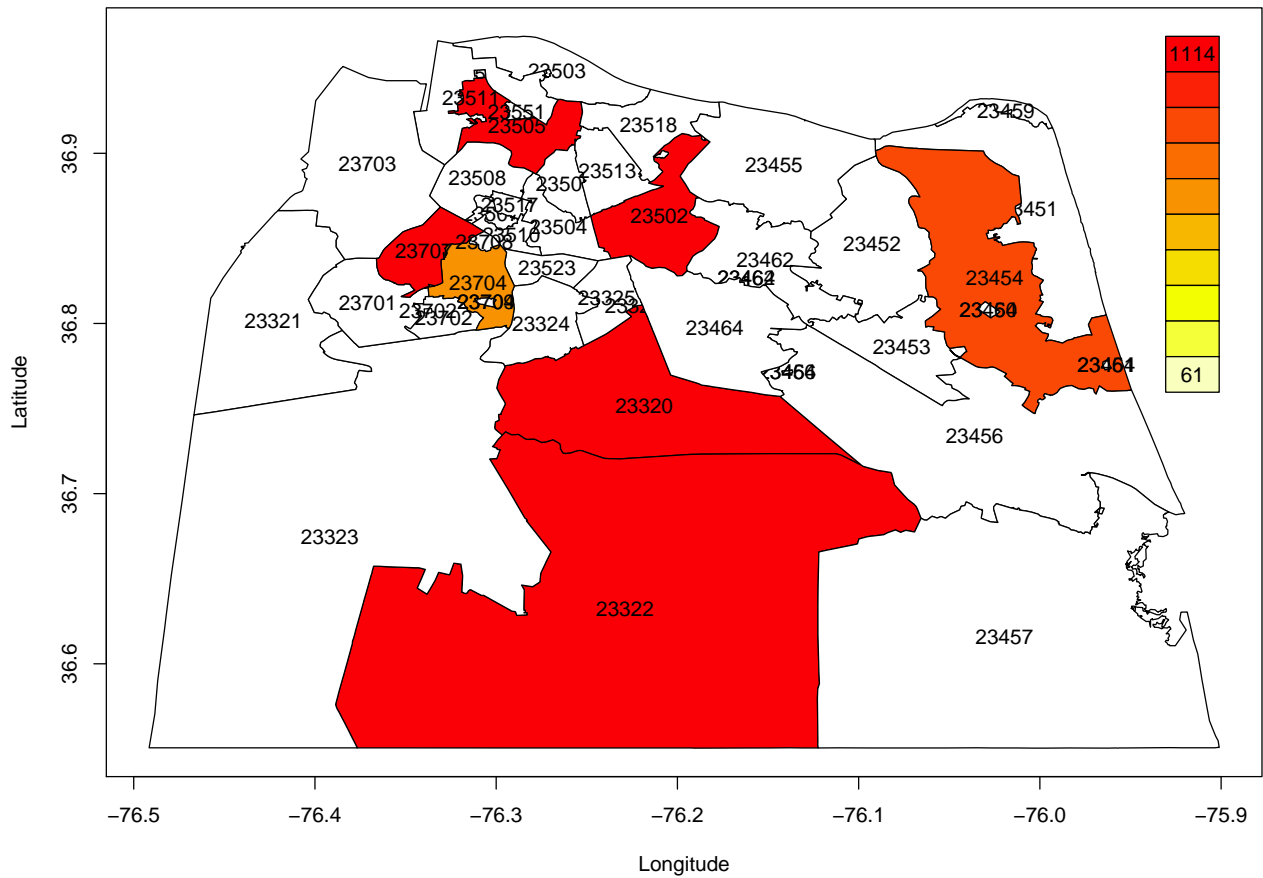


Figure 12: 00140 heat map for selected ZIP codes. Heat map is for the ZIP codes of selected cities.

D 142

Anesthesia for lens surgery

D.1 Ordered by state

List is ordered by state with greatest Medicare dollar payment for this procedure, followed by the amount, the number of payments made, then the average payment for that state.

1. CA 204,639.88 (1,835) 112	20. AL 33,999.93 (545) 62
2. IL 119,731.38 (1,335) 90	21. MN 33,738.29 (552) 61
3. TX 117,885.90 (1,510) 78	22. WA 33,526.62 (349) 96
4. FL 114,276.66 (1,268) 90	23. CO 30,148.09 (323) 93
5. NY 97,987.86 (1,177) 83	24. LA 28,757.87 (380) 76
6. PA 91,021.44 (1,404) 65	25. SC 27,089.72 (396) 68
7. MI 78,504.70 (1,181) 66	26. AZ 21,976.14 (223) 99
8. OH 74,677.14 (1,006) 74	27. CT 21,676.80 (295) 73
9. NC 69,055.06 (1,168) 59	28. IA 19,849.21 (228) 87
10. GA 54,937.87 (855) 64	29. OK 19,285.06 (211) 91
11. NJ 48,162.29 (519) 93	30. KS 18,516.74 (210) 88
12. WI 48,069.00 (609) 79	31. AR 15,876.45 (174) 91
13. MO 41,232.43 (489) 84	32. OR 14,907.09 (162) 92
14. TN 40,813.35 (524) 78	33. MS 14,901.71 (206) 72
15. MA 39,767.10 (518) 77	34. UT 14,157.22 (139) 102
16. IN 38,753.09 (432) 90	35. WV 12,649.81 (202) 63
17. VA 36,107.29 (556) 65 ***	36. ME 11,211.46 (149) 75
18. KY 35,182.65 (494) 71	37. NV 10,504.13 (113) 93
19. MD 34,904.63 (377) 93	38. NE 10,381.43 (124) 84
	39. NH 8,906.22 (99) 90
	40. NM 8,503.55 (90) 94

41. HI 7,123.02 (69) 103	50. PR 5,077.29 (30) 169
42. ND 6,685.43 (95) 70	51. VT 4,722.57 (58) 81
43. RI 6,474.25 (77) 84	52. WY 2,888.31 (26) 111
44. AK 6,253.76 (42) 149	53. VI 570.81 (5) 114
45. DE 6,202.34 (104) 60	54. GU 196.67 (2) 98
46. ID 5,831.29 (59) 99	55. AA 138.39 (1) 138
47. DC 5,774.76 (67) 86	56. ZZ 128.60 (2) 64
48. SD 5,656.46 (82) 69	57. XX 107.12 (1) 107
49. MT 5,639.06 (53) 106	58. AE 71.54 (1) 72

D.2 Ordered by VA ZIPs

List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

1. 23507-1904 1,999.24 (33)	12. 23704-2816 632.99 (13)
2. 22042-3307 1,518.49 (21)	13. 23601-1929 624.54 (12)
3. 22205-3610 1,482.91 (23)	14. 23462-6523 589.79 (9)
4. 22908-0001 1,362.64 (24)	15. 23322-4339 550.76 (10)
5. 22304-1535 1,293.44 (21)	16. 24333-2227 516.79 (6)
6. 23235-4724 1,190.79 (21)	17. 20190-3219 496.78 (9)
7. 20176-5101 976.58 (15)	18. 22033-2907 475.48 (7)
8. 22401-4453 865.07 (16)	19. 24501-1099 443.54 (4)
9. 24153-7474 821.67 (14)	20. 24541-2922 438.32 (5)
10. 23229-5205 818.23 (11)	21. 23502-3920 437.92 (7)
11. 23226-1907 718.50 (14)	22. 23666-5966 430.08 (7)
	23. 22033-2921 428.37 (7)

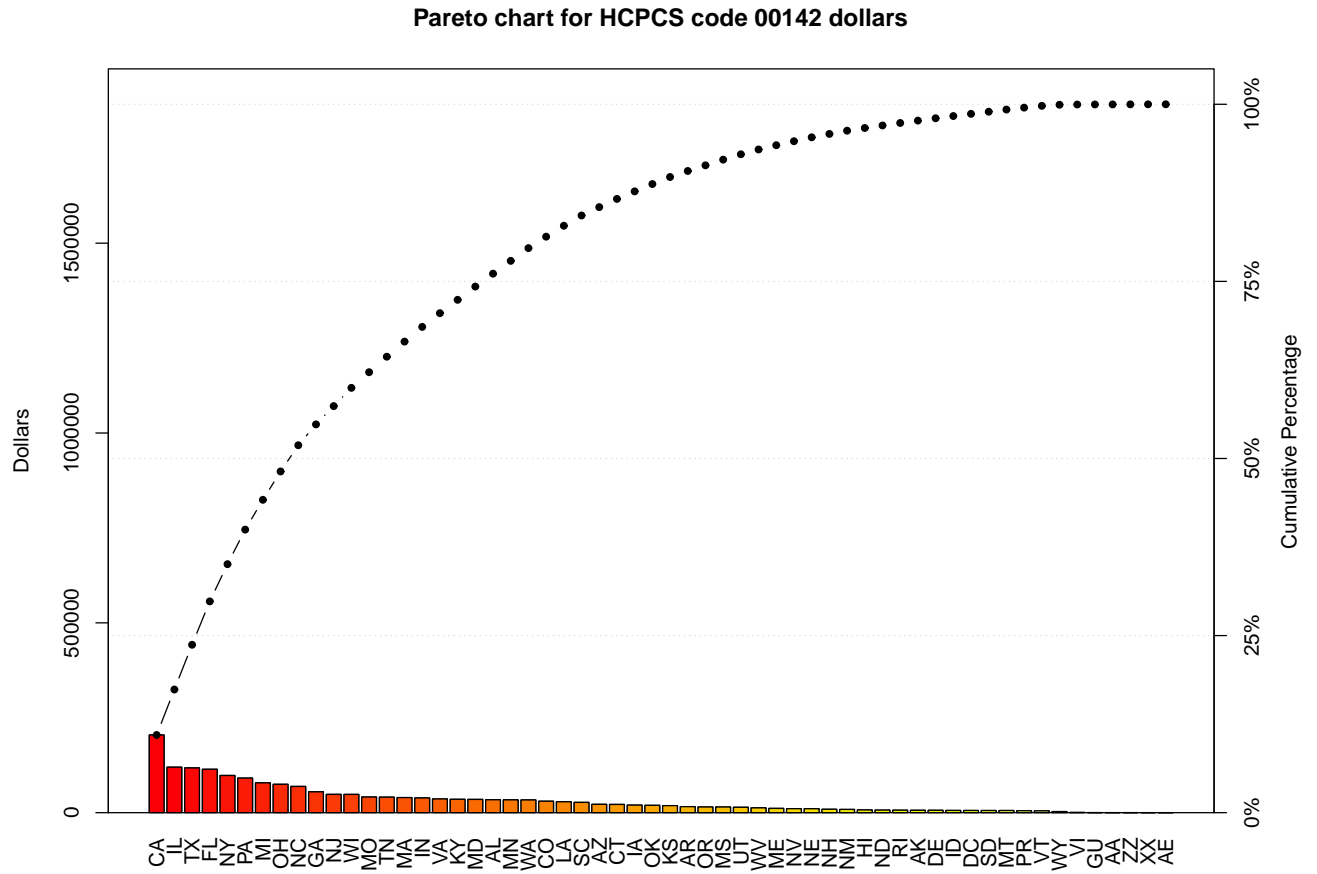


Figure 13: Pareto chart for 00142 dollars for all states. Chart is for all states/territories/possessions reporting.

24. 24210-2921 411.68 (10)
25. 22310-3245 397.93 (6)
26. 23606-4425 394.14 (7)
27. 24592-1645 392.20 (6)
28. 23116-1844 347.26 (6)
29. 23851-1238 344.01 (3)
30. 24450-2492 339.68 (3)
31. 24014-1838 332.89 (4)
32. 22033-1709 322.38 (6)
33. 20110-4418 321.85 (3)
34. 23298-0509 315.52 (5)
35. 22601-2808 314.73 (3)
36. 23901-1199 286.55 (3)
37. 22030 276.47 (3)
38. 20186-3027 275.34 (5)
39. 22560-5000 268.63 (4)
40. 20190 251.32 (4)
41. 24153-3610 250.94 (3)
42. 20165-5871 240.36 (3)
43. 22630-3547 230.56 (2)
44. 23413-0017 227.80 (3)
45. 23298-5051 221.61 (3)
46. 23707-3236 213.95 (3)
47. 22908-0816 213.47 (4)
48. 22482-3880 211.55 (2)
49. 24457 208.79 (4)
50. 24523-1213 207.06 (2)
51. 23505-4602 201.31 (3)
52. 23606-2068 199.13 (3)
53. 23061-4178 198.37 (3)
54. 24541 195.31 (2)
55. 22204-1023 193.91 (2)
56. 22405-2566 192.14 (4)
57. 22601 186.69 (3)
58. 23970-1431 178.08 (2)
59. 22939-2332 177.95 (2)
60. 24153-6404 168.63 (2)
61. 23703-3329 167.42 (3)
62. 22030-3704 162.93 (3)
63. 23456-0167 160.40 (2)
64. 23413 158.61 (3)
65. 22191-3311 157.30 (1)
66. 23666-5963 150.31 (3)
67. 24301-2326 144.05 (2)
68. 23235-1962 143.43 (3)
69. 24354-6587 142.73 (3)
70. 24018-4357 142.10 (1)
71. 23454-3002 124.69 (2)
72. 24060-7017 122.52 (2)
73. 24450-3911 122.22 (1)

74. 23707 121.16 (2) 98. 23502 90.26 (2)
75. 23220-4300 116.62 (2) 99. 23805-9274 89.49 (2)
76. 22902-5316 115.74 (1) 100. 24018-6721 87.23 (1)
77. 23226-2444 113.04 (1) 101. 24149-2910 87.17 (1)
78. 23226-1930 111.62 (2) 102. 24153 86.55 (1)
79. 24501-1020 110.53 (1) 103. 23454-2517 82.75 (1)
80. 22902 108.85 (1) 104. 22701-0000 82.18 (1)
81. 24501-1109 105.05 (1) 105. 23708-2111 82.11 (1)
82. 24112-1900 104.57 (2) 106. 23860-2938 75.21 (1)
83. 20110 104.34 (1) 107. 22664-1127 72.21 (1)
84. 24382-1044 104.13 (2) 108. 22664 70.97 (1)
85. 23462-3306 102.43 (1) 109. 23502-3767 70.34 (1)
86. 22033 101.15 (1) 110. 22201 66.50 (1)
87. 22182-1674 99.09 (1) 111. 22205-3601 63.41 (1)
88. 24112-8619 97.43 (1) 112. 22911 61.84 (1)
89. 23847 96.91 (1) 113. 23803-5149 60.18 (1)
90. 23454-2640 96.42 (1) 114. 22304 59.40 (1)
91. 24219 96.31 (1) 115. 24112-8526 59.25 (1)
92. 24551 95.82 (1) 116. 23510-1325 58.54 (1)
93. 24153-7357 93.99 (2) 117. 22701-3917 56.95 (1)
94. 23509-1334 91.24 (1) 118. 24060 56.87 (1)
95. 22182-2641 91.00 (1) 119. 22192-7477 56.77 (1)
96. 20170-3740 90.76 (1) 120. 23507-2241 56.76 (1)
97. 23434-4259 90.71 (1) 121. 22101-4206 55.78 (1)
122. 23661-3402 54.71 (1)
123. 23507-1910 54.45 (1)

124. 20165-5101 53.47 (1)	136. 24651-9700 47.40 (1)
125. 23320-4802 53.32 (1)	137. 23601-1625 47.30 (1)
126. 23666-6251 53.15 (1)	138. 22405-2555 47.22 (1)
127. 23455-1379 52.39 (1)	139. 22079-4739 47.21 (1)
128. 23901 51.86 (1)	140. 23462-7958 46.68 (1)
129. 802 51.47 (1)	141. 23226-7978 46.07 (1)
130. 23606 49.59 (1)	142. 24211 44.26 (1)
131. 23235 49.46 (1)	143. 24273-1616 42.85 (1)
132. 23320-4941 49.25 (1)	144. 24210-2206 40.36 (1)
133. 23111-3682 48.79 (1)	145. 24210-9700 39.32 (1)
134. 24073-6374 47.68 (1)	146. 24211-7659 37.59 (1)
135. 23836-2665 47.68 (1)	147. 24210 34.26 (1)

D.3 Ordered by ZIP codes of interest

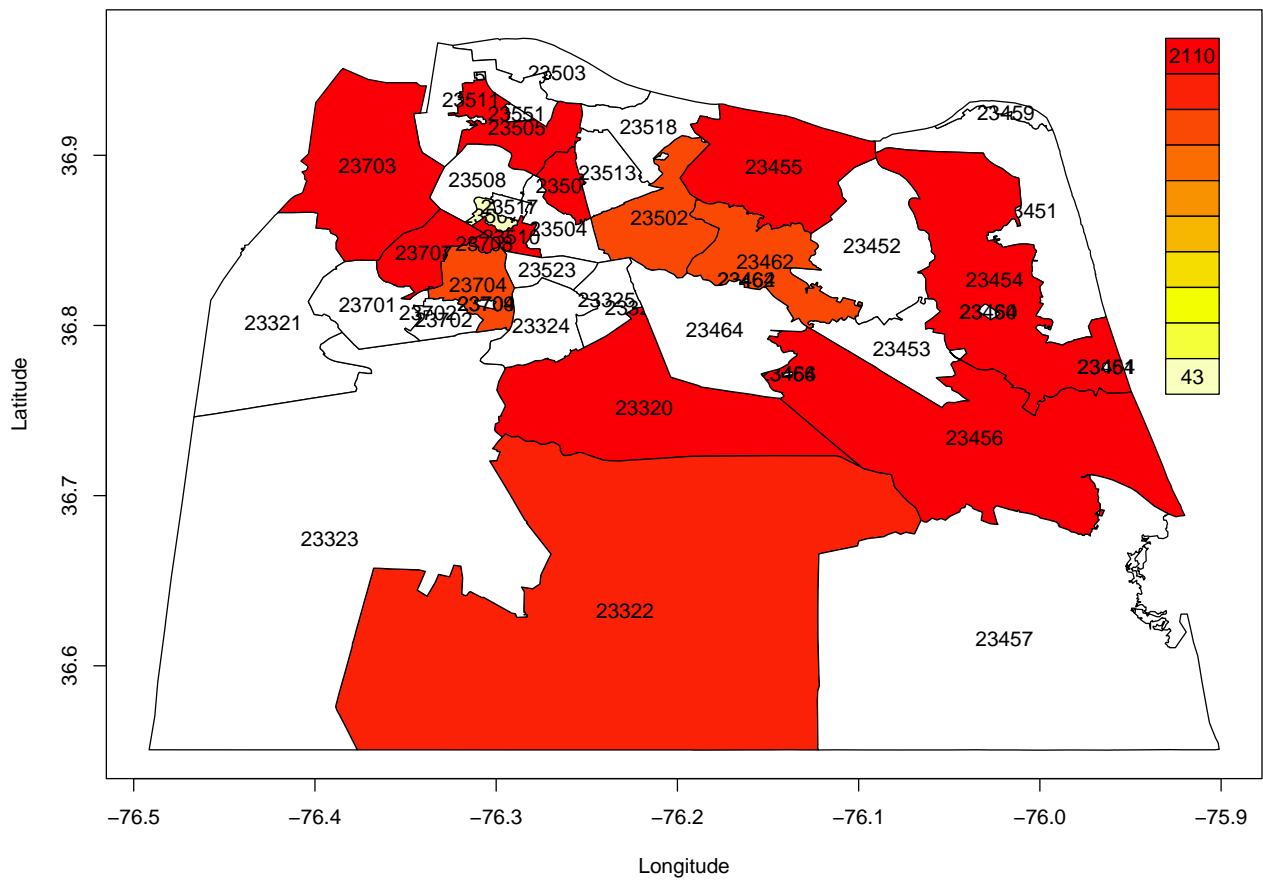
Extracting and processing ZIP codes for these cities: List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

- Chesapeake, VA
- Norfolk, VA
- Portsmouth, VA
- Virginia Beach, VA

Presumably these are all South Hampton Roads cities.

1. 23507-1904 1999.24 (33)	7. 23505-4602 201.31 (3)
2. 23704-2816 632.99 (13)	8. 23703-3329 167.42 (3)
3. 23462-6523 589.79 (9)	9. 23456-0167 160.40 (2)
4. 23322-4339 550.76 (10)	10. 23454-3002 124.69 (2)
5. 23502-3920 437.92 (7)	11. 23707 121.16 (2)
6. 23707-3236 213.95 (3)	12. 23462-3306 102.43 (1)

13. 23454-2640 96.42 (1)
14. 23509-1334 91.24 (1)
15. 23502 90.26 (2)
16. 23454-2517 82.75 (1)
17. 23708-2111 82.11 (1)
18. 23502-3767 70.34 (1)
19. 23510-1325 58.54 (1)
20. 23507-2241 56.76 (1)
21. 23507-1910 54.45 (1)
22. 23320-4802 53.32 (1)
23. 23455-1379 52.39 (1)
24. 23320-4941 49.25 (1)
25. 23462-7958 46.68 (1)



E 144

Anesthesia for procedure on eye for corneal transplant

E.1 Ordered by state

List is ordered by state with greatest Medicare dollar payment for this procedure, followed by the amount, the number of payments made, then the average payment for that state.

1. FL 6,491.76 (48) 135	20. NJ 1,077.94 (6) 180
2. TX 4,531.61 (37) 122	21. LA 985.06 (7) 141
3. CA 3,720.05 (21) 177	22. IN 972.21 (6) 162
4. NY 3,428.67 (30) 114	23. KY 928.67 (7) 133
5. PA 2,370.20 (21) 113	24. WA 831.93 (5) 166
6. MD 2,216.59 (17) 130	25. OK 784.41 (5) 157
7. AL 2,050.24 (21) 98	26. AZ 752.16 (5) 150
8. GA 1,997.57 (19) 105	27. WI 621.14 (6) 104
9. MA 1,840.65 (16) 115	28. SD 547.96 (4) 137
10. TN 1,800.47 (14) 129	29. SC 544.56 (5) 109
11. NC 1,787.47 (18) 99	30. MN 510.84 (4) 128
12. KS 1,635.39 (9) 182	31. CO 507.22 (3) 169
13. VA 1,594.26 (16) 100 ***	32. UT 505.66 (5) 101
14. OR 1,500.96 (12) 125	33. MS 353.18 (3) 118
15. IA 1,461.49 (8) 183	34. NM 321.73 (2) 161
16. OH 1,402.55 (12) 117	35. NE 308.38 (2) 154
17. MI 1,320.77 (11) 120	36. NH 299.03 (2) 150
18. MO 1,160.44 (9) 129	37. ME 235.75 (1) 236
19. IL 1,099.12 (7) 157	38. PR 231.05 (1) 231
	39. ID 181.42 (1) 181
	40. WV 171.63 (1) 172

41. NV 163.15 (1) 163

43. CT 110.21 (1) 110

42. MT 155.80 (1) 156

E.2 Ordered by VA ZIPs

List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

1. 23226-1907 311.51 (4)

6. 24153 149.42 (1)

2. 23229-5205 228.01 (3)

7. 24153-3610 146.23 (1)

3. 23235-4724 175.48 (2)

8. 22042-3307 88.58 (1)

4. 23454-2517 163.44 (1)

9. 23601-1929 86.23 (1)

5. 22182-1674 163.24 (1)

10. 23235-1962 82.12 (1)

E.3 Ordered by ZIP codes of interest

Extracting and processing ZIP codes for these cities: List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

- Chesapeake, VA

- Portsmouth, VA

- Norfolk, VA

- Virginia Beach, VA

Presumably these are all South Hampton Roads cities.

1. 23454-2517 163.44 (1)

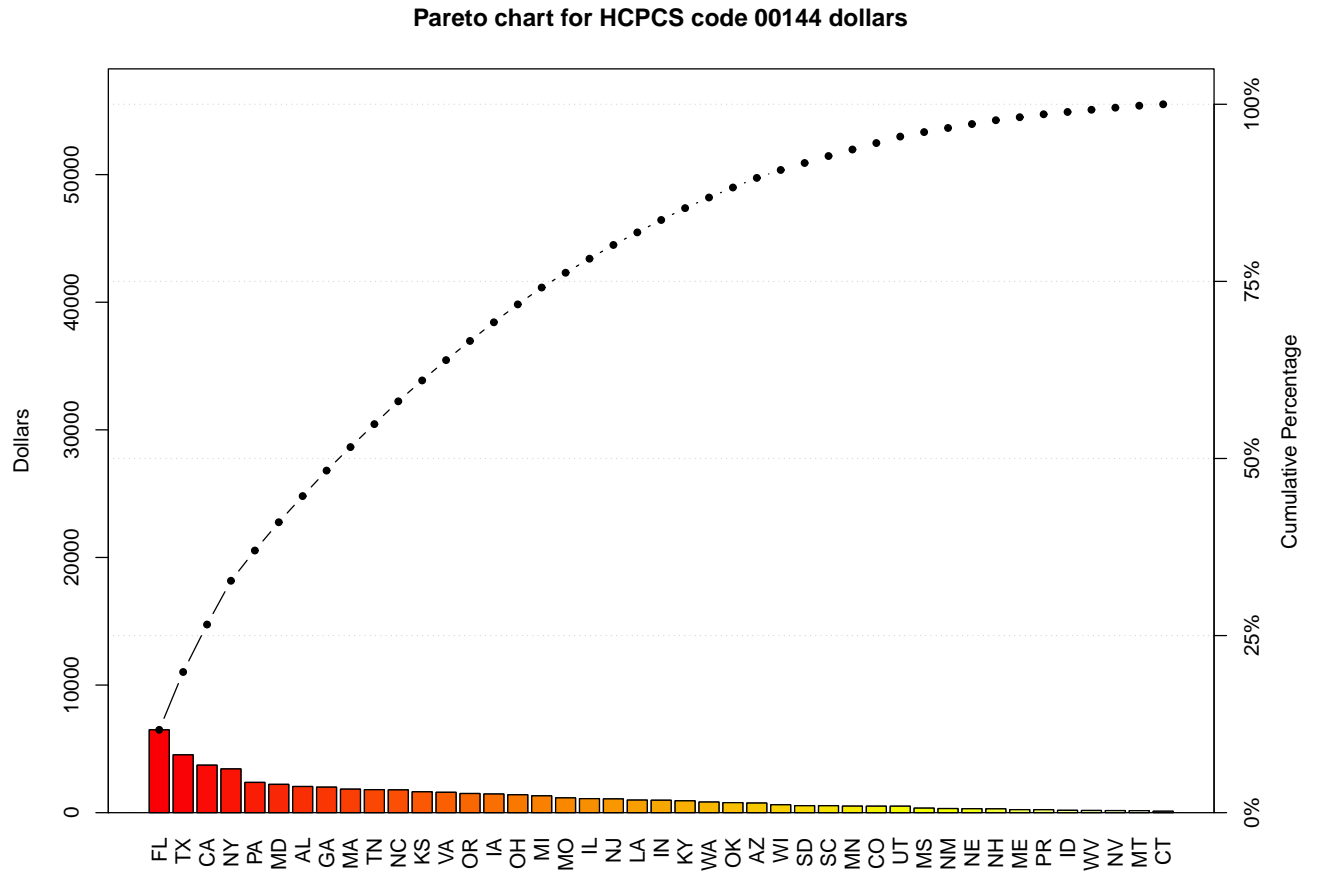


Figure 15: Pareto chart for 00144 dollars for all states. Chart is for all states/territories/possessions reporting.

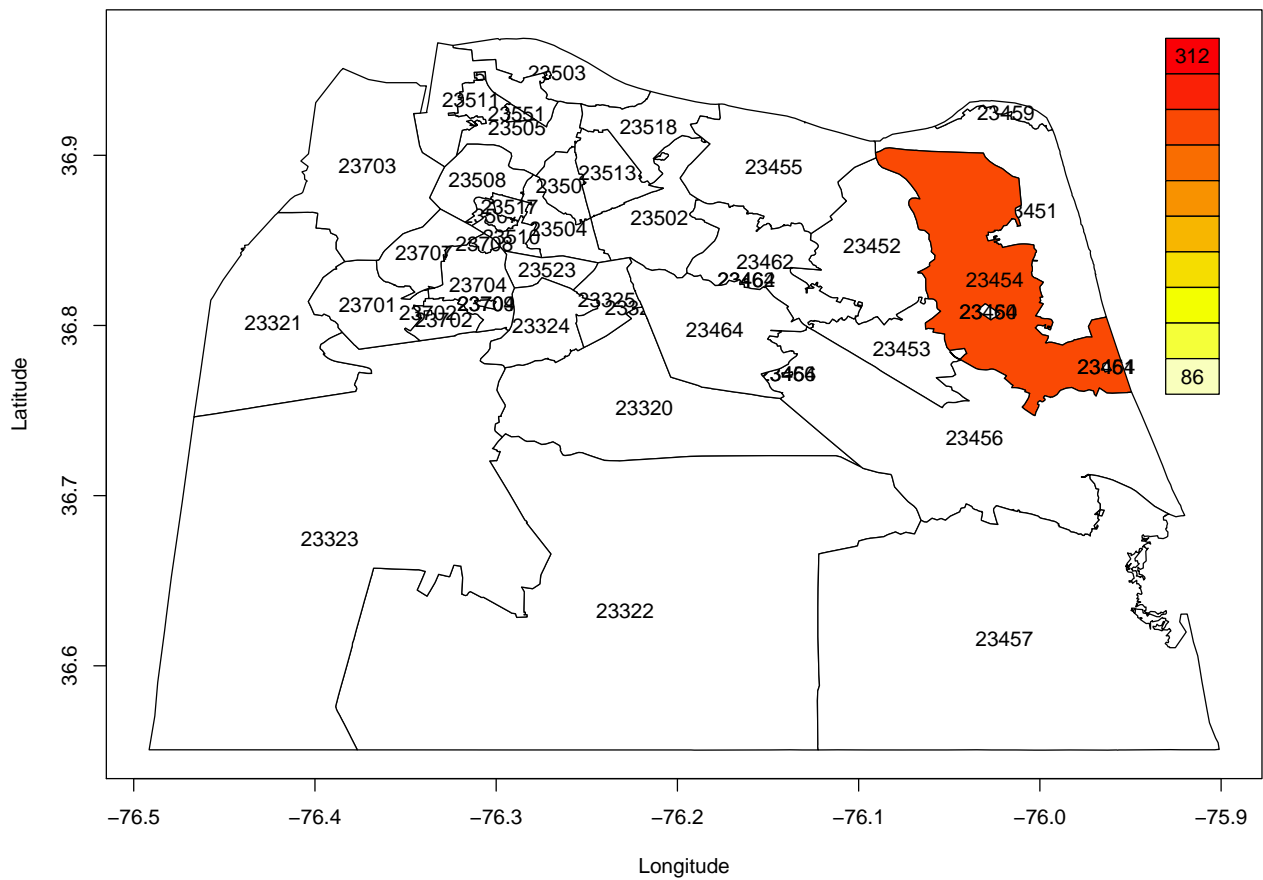


Figure 16: 00144 heat map for selected ZIP codes. Heat map is for the ZIP codes of selected cities.

F 145

Anesthesia for retinal surgery

F.1 Ordered by state

List is ordered by state with greatest Medicare dollar payment for this procedure, followed by the amount, the number of payments made, then the average payment for that state.

1. CA 31,665.65 (185) 171	20. AZ 7,695.04 (47) 164
2. TX 29,523.21 (222) 133	21. KY 7,560.08 (61) 124
3. FL 28,491.94 (189) 151	22. KS 6,911.67 (64) 108
4. NY 21,846.99 (168) 130	23. OK 5,797.50 (35) 166
5. MI 15,038.36 (128) 117	24. MO 5,690.82 (42) 135
6. IL 14,564.35 (96) 152	25. LA 5,511.18 (44) 125
7. NC 14,219.24 (139) 102	26. CO 5,477.71 (32) 171
8. PA 13,514.09 (131) 103	27. WI 5,264.85 (41) 128
9. OH 12,756.74 (112) 114	28. AR 4,676.29 (28) 167
10. TN 11,305.83 (92) 123	29. UT 3,841.52 (25) 154
11. VA 11,026.83 (100) 110 ***	30. OR 3,607.30 (23) 157
12. MD 10,343.22 (68) 152	31. IA 3,352.66 (24) 140
13. NJ 9,658.05 (61) 158	32. WV 2,991.24 (31) 96
14. AL 9,563.29 (95) 101	33. MN 2,901.88 (34) 85
15. MA 9,497.06 (80) 119	34. HI 2,814.57 (16) 176
16. IN 9,059.14 (59) 154	35. CT 2,533.70 (20) 127
17. WA 8,502.97 (48) 177	36. NM 2,419.43 (14) 173
18. GA 8,427.81 (81) 104	37. ME 2,311.47 (22) 105
19. SC 8,177.01 (79) 104	38. NV 2,107.65 (11) 192
	39. AK 1,769.07 (6) 295
	40. MS 1,702.95 (15) 114

41. NE 1,605.06 (9) 178	47. DE 762.38 (7) 109
42. PR 1,357.92 (6) 226	48. MT 715.90 (4) 179
43. RI 1,249.24 (10) 125	49. DC 546.92 (5) 109
44. NH 1,056.88 (7) 151	50. WY 385.48 (2) 193
45. SD 914.59 (6) 152	51. ND 290.73 (3) 97
46. ID 762.49 (4) 191	52. VT 87.18 (1) 87

F.2 Ordered by VA ZIPs

List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

1. 22033-1709 2,177.02 (19)	15. 23305-4602 217.78 (1)
2. 23235-4724 1,140.85 (12)	16. 20170-5310 208.97 (1)
3. 24153-7474 681.08 (7)	17. 20186-3027 187.60 (2)
4. 22939 672.72 (4)	18. 22033-2921 186.40 (2)
5. 23226-1907 536.59 (6)	19. 23601-1929 184.28 (2)
6. 22908-0001 386.14 (3)	20. 22902-4808 179.16 (1)
7. 23507-1904 385.39 (4)	21. 23606-4425 176.15 (2)
8. 22042-3307 374.91 (4)	22. 23413-0017 175.20 (1)
9. 24501-1099 331.08 (2)	23. 23298-0509 164.01 (2)
10. 22601 329.73 (3)	24. 22306-3209 160.05 (1)
11. 22939-2332 324.76 (2)	25. 24153 148.66 (1)
12. 23235-1962 240.58 (3)	26. 24153-3610 137.39 (1)
13. 22033 240.56 (2)	27. 24018-6721 115.27 (1)
14. 23229-5205 235.52 (3)	28. 22601-2808 108.76 (1)
	29. 23454-3002 102.99 (1)

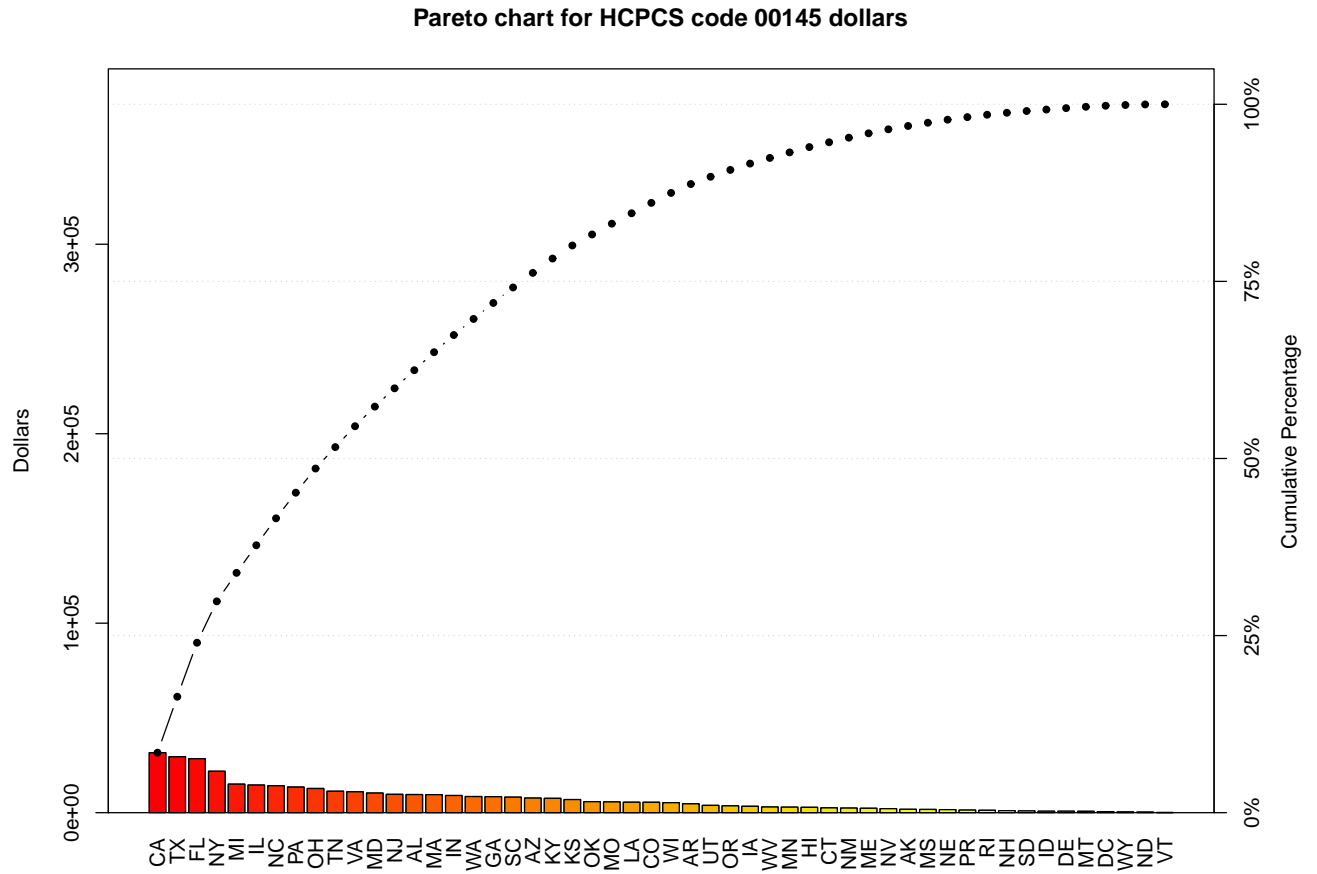


Figure 17: Pareto chart for 00145 dollars for all states. Chart is for all states/territories/possessions reporting.

- | | |
|--------------------------|--------------------------|
| 30. 22033-2907 90.11 (1) | 33. 23805-9274 87.06 (1) |
| 31. 23666-5966 88.53 (1) | 34. 22205-3610 84.30 (1) |
| 32. 23505-4602 87.51 (1) | 35. 23462-7958 79.74 (1) |

F.3 Ordered by ZIP codes of interest

Extracting and processing ZIP codes for these cities: List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

- | | |
|------------------|----------------------|
| • Chesapeake, VA | • Portsmouth, VA |
| • Norfolk, VA | • Virginia Beach, VA |

Presumably these are all South Hampton Roads cities.

- | | |
|--------------------------|-------------------------|
| 1. 23507-1904 385.39 (4) | 3. 23505-4602 87.51 (1) |
| 2. 23454-3002 102.99 (1) | 4. 23462-7958 79.74 (1) |

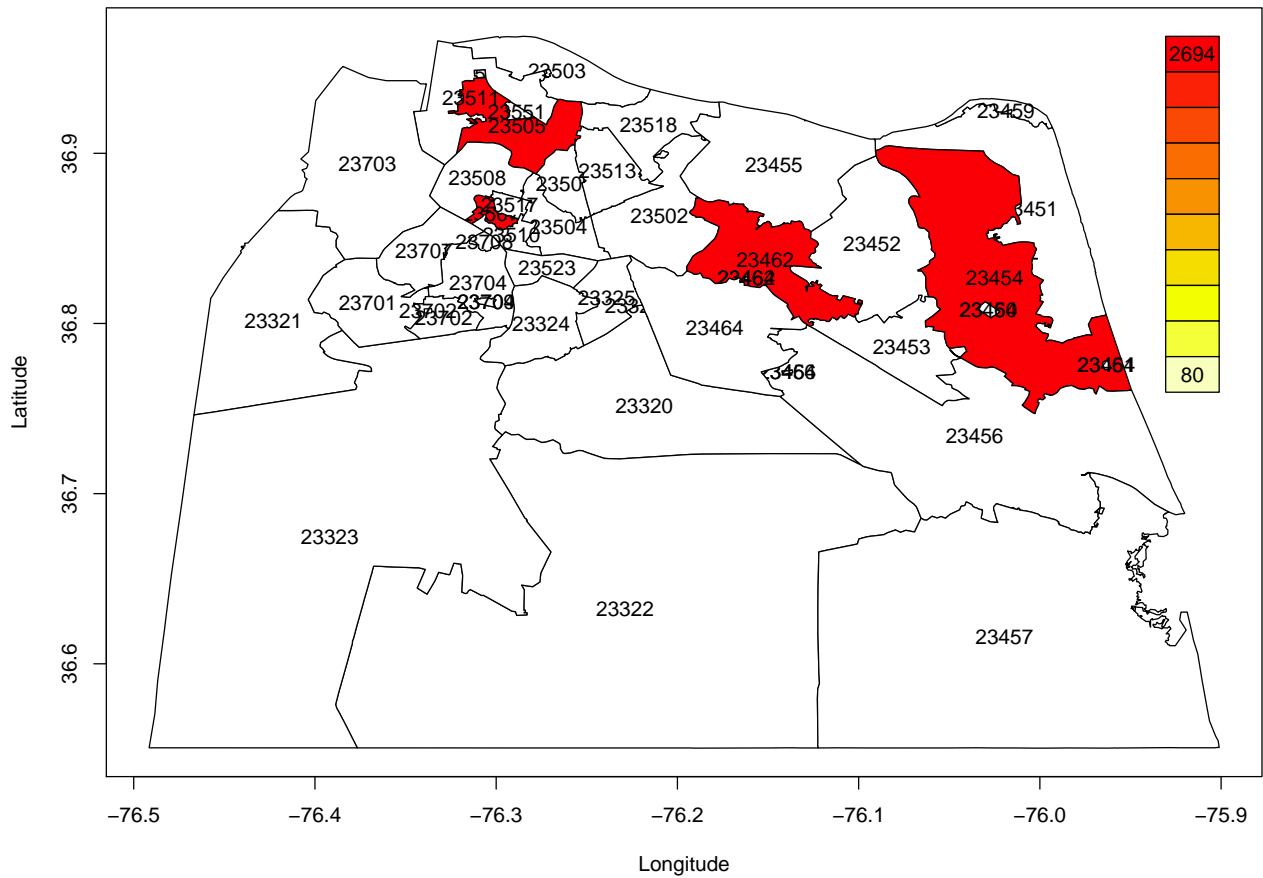


Figure 18: 00145 heat map for selected ZIP codes. Heat map is for the ZIP codes of selected cities.

G 400

Anesthesia for procedure on skin of arms legs or trunk

G.1 Ordered by state

List is ordered by state with greatest Medicare dollar payment for this procedure, followed by the amount, the number of payments made, then the average payment for that state.

1. FL 109,866.83 (1,066) 103	20. SC 18,588.91 (284) 65
2. TX 65,502.22 (709) 92	21. MS 17,661.55 (253) 70
3. CA 62,394.17 (453) 138	22. IN 17,578.28 (174) 101
4. PA 55,145.87 (744) 74	23. CT 15,310.92 (179) 86
5. MI 51,431.24 (677) 76	24. OK 14,295.22 (134) 107
6. NY 51,010.28 (499) 102	25. AR 13,793.64 (132) 104
7. IL 48,068.63 (516) 93	26. AZ 11,534.64 (105) 110
8. NJ 42,824.42 (478) 90	27. WV 10,769.61 (164) 66
9. NC 42,636.26 (590) 72	28. KS 10,437.01 (110) 95
10. OH 37,640.31 (495) 76	29. DE 8,868.25 (129) 69
11. GA 37,573.17 (509) 74	30. WA 8,329.83 (83) 100
12. VA 35,102.33 (466) 75 ***	31. WI 7,470.61 (83) 90
13. MD 29,479.72 (265) 111	32. MN 7,153.65 (102) 70
14. AL 28,476.24 (404) 70	33. NH 6,746.01 (72) 94
15. KY 26,985.07 (325) 83	34. ME 5,759.28 (80) 72
16. TN 26,930.55 (308) 87	35. DC 5,643.58 (53) 106
17. MO 25,669.59 (299) 86	36. NE 4,796.32 (56) 86
18. MA 24,912.82 (285) 87	37. IA 3,534.90 (37) 96
19. LA 20,696.26 (252) 82	38. CO 3,345.44 (34) 98
	39. OR 2,990.77 (27) 111
	40. SD 2,983.47 (47) 63

41. NM 2,722.24 (22) 124	49. VT 803.97 (10) 80
42. ND 2,338.43 (32) 73	50. MT 536.64 (4) 134
43. NV 2,277.48 (20) 114	51. AK 444.78 (3) 148
44. PR 2,168.93 (14) 155	52. WY 429.40 (3) 143
45. UT 1,790.43 (15) 119	53. VI 224.85 (2) 112
46. RI 1,704.45 (19) 90	54. ZZ 182.67 (2) 91
47. HI 1,075.15 (11) 98	55. GU 66.77 (1) 67
48. ID 1,018.18 (8) 127	56. AE 51.55 (1) 52

G.2 Ordered by VA ZIPs

List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

1. 23507-1904 2,367.47 (33)	13. 22304-1535 700.32 (9)
2. 23298-5051 1,809.82 (22)	14. 23462-6523 686.04 (10)
3. 23229-5205 1,776.83 (26)	15. 23454-3002 657.84 (10)
4. 23235-4724 1,770.51 (27)	16. 23322-4339 656.50 (9)
5. 22042-3307 1,634.58 (20)	17. 24592-1645 565.47 (6)
6. 24153-7474 1,499.28 (20)	18. 23226-1907 531.73 (8)
7. 24018-4357 1,193.11 (11)	19. 24501-1099 523.77 (4)
8. 22205-3610 998.73 (12)	20. 23455-6010 449.86 (7)
9. 22908-0001 885.96 (10)	21. 23116-1844 441.92 (7)
10. 22401-4453 822.63 (14)	22. 22033-2907 395.62 (5)
11. 22033-1709 763.26 (11)	23. 23708-2111 371.96 (6)
12. 23606-4425 761.18 (10)	24. 23704-2816 361.73 (6)
	25. 22601 358.04 (5)

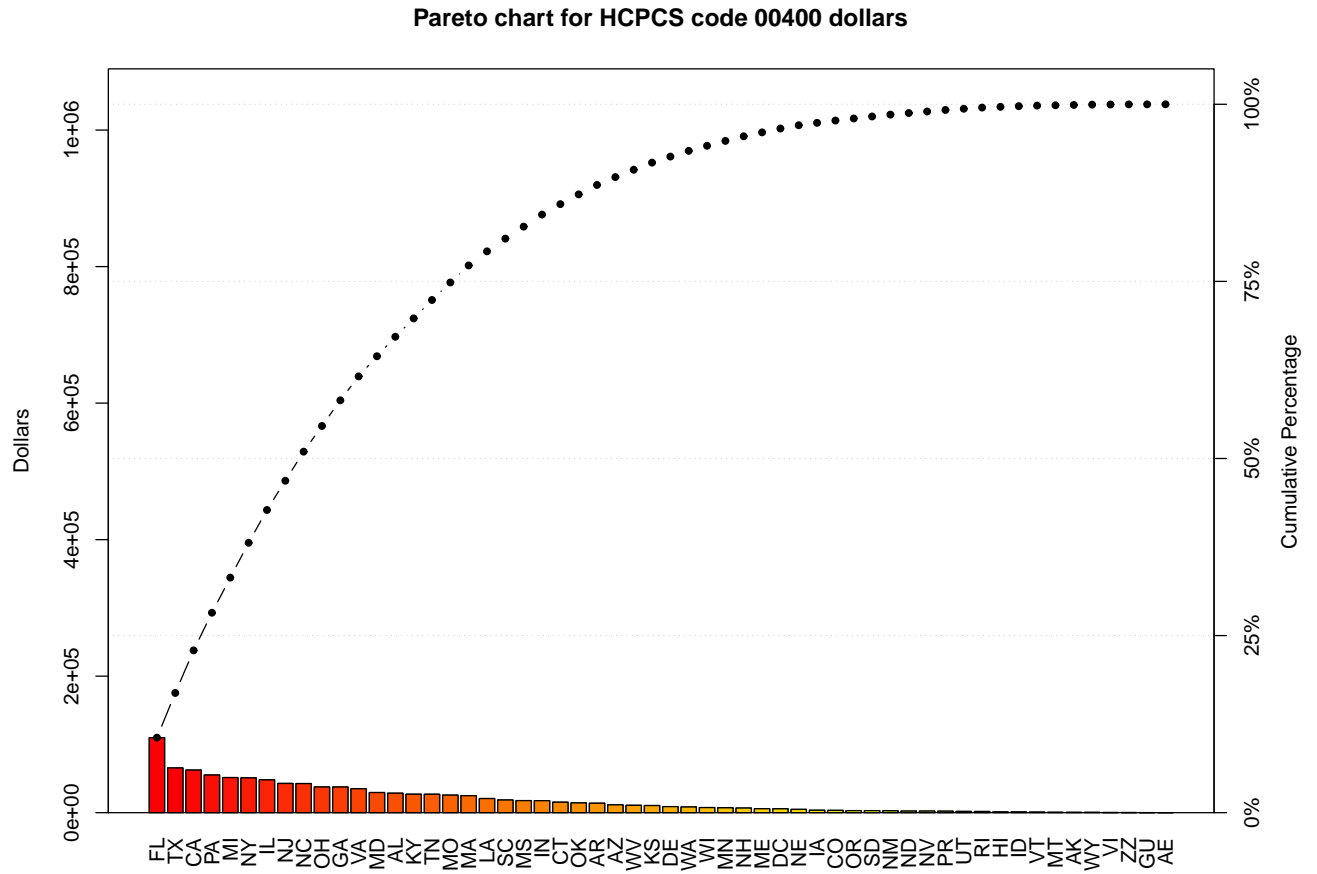


Figure 19: Pareto chart for 00400 dollars for all states. Chart is for all states/territories/possessions reporting.

26. 23298-0509 345.23 (5)
27. 24210-2921 333.22 (5)
28. 24501-1109 325.07 (4)
29. 24014-1838 307.57 (3)
30. 22939 298.52 (2)
31. 22033-2921 272.68 (3)
32. 20186-3027 254.22 (3)
33. 23666-5963 251.59 (4)
34. 24541-2922 250.80 (2)
35. 23970-1431 230.23 (2)
36. 23413 227.75 (2)
37. 20190 226.15 (3)
38. 24333-2227 222.53 (3)
39. 20190-3219 210.53 (3)
40. 23185-2833 209.94 (2)
41. 24457 202.79 (4)
42. 23601-1929 195.01 (3)
43. 23455 184.47 (3)
44. 23502 183.38 (3)
45. 22191 182.84 (1)
46. 23703-3329 182.06 (3)
47. 23502-3920 180.75 (3)
48. 23220-4300 180.57 (3)
49. 24301-2326 167.41 (2)
50. 23707-3236 166.77 (3)
51. 24073-6344 163.51 (2)
52. 23298-0510 158.62 (2)
53. 23606-2068 154.33 (2)
54. 23188-5713 152.93 (1)
55. 22630-3547 150.14 (2)
56. 22027-1002 146.17 (1)
57. 22601-2808 145.54 (2)
58. 23235-1979 144.26 (3)
59. 23455-6005 144.07 (2)
60. 24614-6974 139.17 (1)
61. 22801-3248 137.22 (1)
62. 23235 136.64 (2)
63. 23434-8038 124.27 (2)
64. 24018 121.78 (1)
65. 24112-1900 121.23 (2)
66. 23320-4941 119.41 (2)
67. 23707 119.12 (2)
68. 23847 118.93 (1)
69. 24266 116.25 (1)
70. 23708-2197 115.00 (1)
71. 24073-6374 114.29 (2)
72. 22482-3880 114.21 (1)
73. 22801 113.68 (1)
74. 24153-7357 113.57 (2)
75. 23847-1274 111.27 (1)

76. 23223-5332 110.17 (1) 98. 22408-7762 65.51 (1)
77. 23225 109.42 (1) 99. 24354-6587 65.03 (1)
78. 23803-5149 98.34 (1) 100. 802 64.30 (1)
79. 24277-2853 96.99 (1) 101. 22310-3245 61.88 (1)
80. 20176-5101 80.09 (1) 102. 22701-3917 61.64 (1)
81. 22042 78.60 (1) 103. 23294-4301 61.13 (1)
82. 23666 78.57 (1) 104. 24112-8526 60.70 (1)
83. 23226-1930 78.43 (1) 105. 22101-4206 59.97 (1)
84. 22908-0816 77.86 (1) 106. 23322-8875 59.94 (1)
85. 23229 76.66 (1) 107. 23836-2685 59.80 (1)
86. 22911 74.45 (1) 108. 24641 59.43 (1)
87. 22191-3362 74.35 (1) 109. 22604 59.26 (1)
88. 23322-7576 73.54 (1) 110. 23805-9274 58.27 (1)
89. 24211-7659 73.40 (1) 111. 22664 58.17 (1)
90. 22604-0000 72.35 (1) 112. 22664-1127 58.11 (1)
91. 23294-4300 70.99 (1) 113. 24210-2206 57.80 (1)
92. 23061-4178 70.71 (1) 114. 23452-4336 57.34 (1)
93. 24382-1044 69.96 (1) 115. 23601-1625 56.71 (1)
94. 23836-2665 68.94 (1) 116. 23413-0017 56.00 (1)
95. 24211 68.36 (1) 117. 24273-1616 53.77 (1)
96. 23225-4017 66.57 (1) 118. 22405-2566 50.31 (1)
97. 23805-1311 66.44 (1) 119. 23456-0167 50.26 (1)

G.3 Ordered by ZIP codes of interest

Extracting and processing ZIP codes for these cities: List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

- Chesapeake, VA
- Norfolk, VA
- Portsmouth, VA
- Virginia Beach, VA

Presumably these are all South Hampton Roads cities.

1. 23507-1904 2367.47 (33)
2. 23462-6523 686.04 (10)
3. 23454-3002 657.84 (10)
4. 23322-4339 656.50 (9)
5. 23455-6010 449.86 (7)
6. 23708-2111 371.96 (6)
7. 23704-2816 361.73 (6)
8. 23455 184.47 (3)
9. 23502 183.38 (3)
10. 23703-3329 182.06 (3)
11. 23502-3920 180.75 (3)
12. 23707-3236 166.77 (3)
13. 23455-6005 144.07 (2)
14. 23320-4941 119.41 (2)
15. 23707 119.12 (2)
16. 23708-2197 115.00 (1)
17. 23322-7576 73.54 (1)
18. 23322-8875 59.94 (1)
19. 23452-4336 57.34 (1)
20. 23456-0167 50.26 (1)

H 402

Anesthesia for breast reconstruction

H.1 Ordered by state

List is ordered by state with greatest Medicare dollar payment for this procedure, followed by the amount, the number of payments made, then the average payment for that state.

1. CA 898.70 (4) 225	13. NV 421.34 (2) 211
2. SC 816.67 (8) 102	14. TN 409.49 (3) 136
3. FL 750.69 (4) 188	15. AZ 388.97 (2) 194
4. TX 701.32 (4) 175	16. AL 330.37 (2) 165
5. NY 692.03 (3) 231	17. DC 306.23 (1) 306
6. RI 623.87 (4) 156	18. VA 270.24 (2) 135 ***
7. GA 617.13 (5) 123	19. MD 241.43 (1) 241
8. AR 586.85 (3) 196	20. IA 233.10 (1) 233
9. IL 531.77 (3) 177	21. WA 217.81 (1) 218
10. MO 528.71 (4) 132	22. CO 165.60 (1) 166
11. NC 498.67 (3) 166	23. MN 123.69 (1) 124
12. MS 479.64 (4) 120	24. NH 110.69 (1) 111

H.2 Ordered by VA ZIPs

List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

1. 22042-3307 270.24 (2)

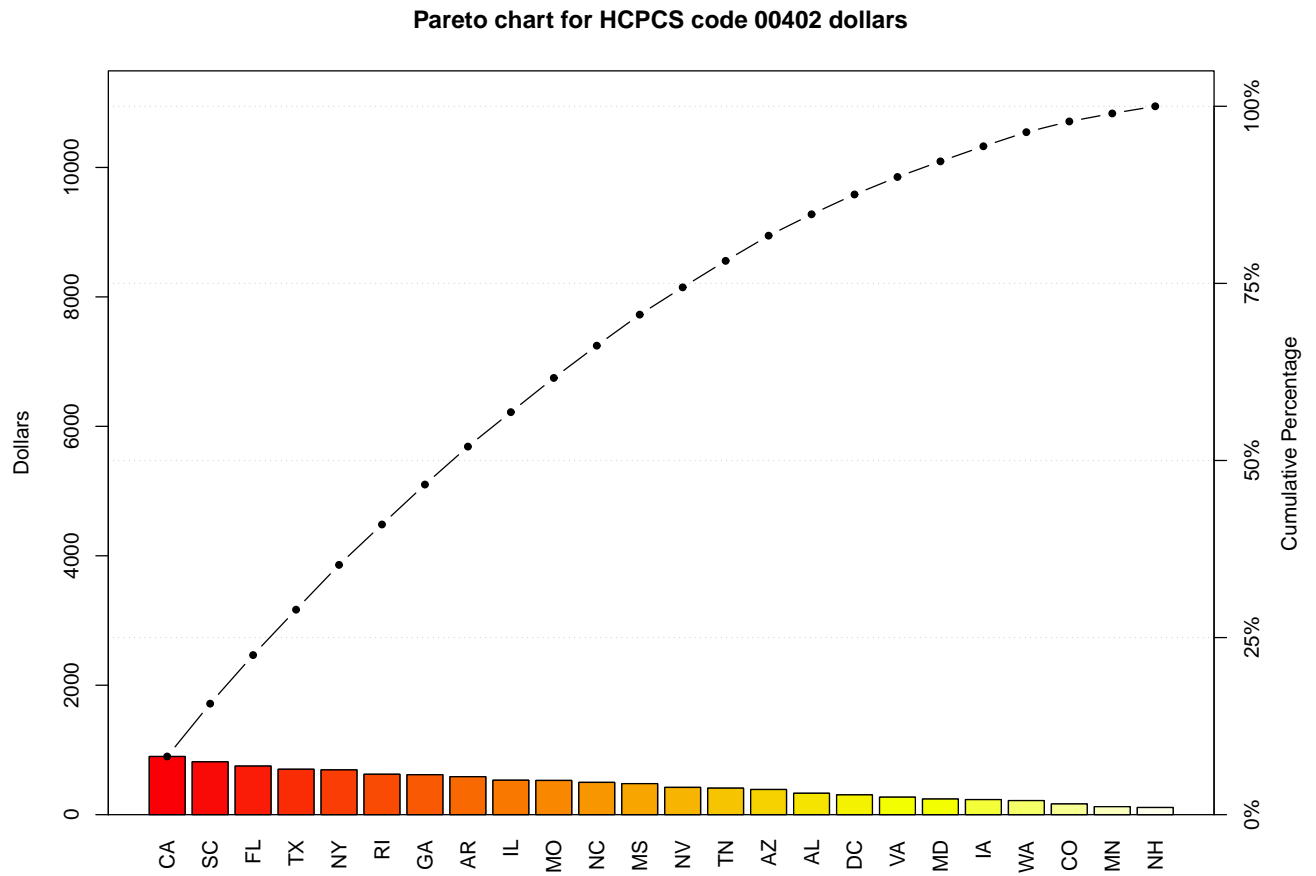


Figure 21: Pareto chart for 00402 dollars for all states. Chart is for all states/territories/possessions reporting.

H.3 Ordered by ZIP codes of interest

Extracting and processing ZIP codes for these cities: List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

- Chesapeake, VA
- Portsmouth, VA
- Norfolk, VA
- Virginia Beach, VA

Presumably these are all South Hampton Roads cities.

No data records found in ZIP codes of interest.

I 532

Anesthesia for central vein access

I.1 Ordered by state

List is ordered by state with greatest Medicare dollar payment for this procedure, followed by the amount, the number of payments made, then the average payment for that state.

1. FL 20,192.25 (189) 107	20. VA 4,392.63 (44) 100 ***
2. TX 15,631.11 (162) 96	21. WV 3,966.66 (53) 75
3. AL 12,057.70 (182) 66	22. AR 3,910.85 (33) 119
4. IL 9,683.07 (103) 94	23. LA 3,892.87 (51) 76
5. CA 9,484.62 (69) 137	24. IA 2,811.08 (27) 104
6. NC 7,814.80 (112) 70	25. OK 2,559.83 (22) 116
7. MI 7,664.12 (97) 79	26. KS 2,390.38 (20) 120
8. OH 7,480.83 (93) 80	27. PR 2,251.02 (13) 173
9. KY 6,606.60 (73) 91	28. MA 2,139.94 (27) 79
10. NJ 6,471.25 (66) 98	29. NE 1,423.92 (16) 89
11. NY 6,290.92 (59) 107	30. WA 1,164.88 (10) 116
12. PA 6,226.84 (80) 78	31. DE 1,091.87 (16) 68
13. MO 6,077.83 (66) 92	32. AZ 1,057.64 (9) 118
14. SC 5,624.96 (84) 67	33. DC 929.90 (11) 85
15. MS 5,287.50 (77) 69	34. OR 909.17 (8) 114
16. TN 5,025.20 (55) 91	35. MN 695.99 (9) 77
17. GA 4,928.43 (62) 79	36. ME 614.78 (9) 68
18. IN 4,770.69 (43) 111	37. SD 519.53 (8) 65
19. MD 4,651.91 (42) 111	38. WI 487.75 (7) 70
	39. CO 343.33 (3) 114
	40. NM 326.29 (2) 163

41. CT 325.90 (4) 81	46. NH 137.91 (2) 69
42. MT 254.42 (2) 127	47. ID 128.46 (1) 128
43. NV 234.26 (2) 117	48. VT 126.25 (1) 126
44. ND 193.46 (3) 64	49. HI 65.10 (1) 65
45. WY 142.99 (1) 143	

I.2 Ordered by VA ZIPs

List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

1. 22304-1535 680.93 (5)	15. 24112-8526 83.31 (1)
2. 24592-1645 599.26 (6)	16. 22908-0816 81.54 (1)
3. 24018-4357 408.15 (3)	17. 23860-2938 77.56 (1)
4. 23970-1431 294.18 (2)	18. 23413-0017 76.95 (1)
5. 23606-4425 192.81 (2)	19. 23294-4301 75.69 (1)
6. 24301-2326 187.32 (2)	20. 24457 72.15 (1)
7. 22801-3248 141.09 (1)	21. 24651-9700 71.47 (1)
8. 22801 140.08 (1)	22. 24273-1620 70.75 (1)
9. 24273-1616 134.90 (2)	23. 802 70.25 (1)
10. 23229-5205 132.18 (2)	24. 24382-1044 69.18 (1)
11. 22482-3880 130.74 (1)	25. 23185-2833 68.67 (1)
12. 24277-2853 129.12 (1)	26. 22401-4453 63.50 (1)
13. 22939-2332 121.48 (1)	27. 22033-2907 62.81 (1)
14. 22908-0001 99.60 (1)	28. 24112-1900 56.96 (1)

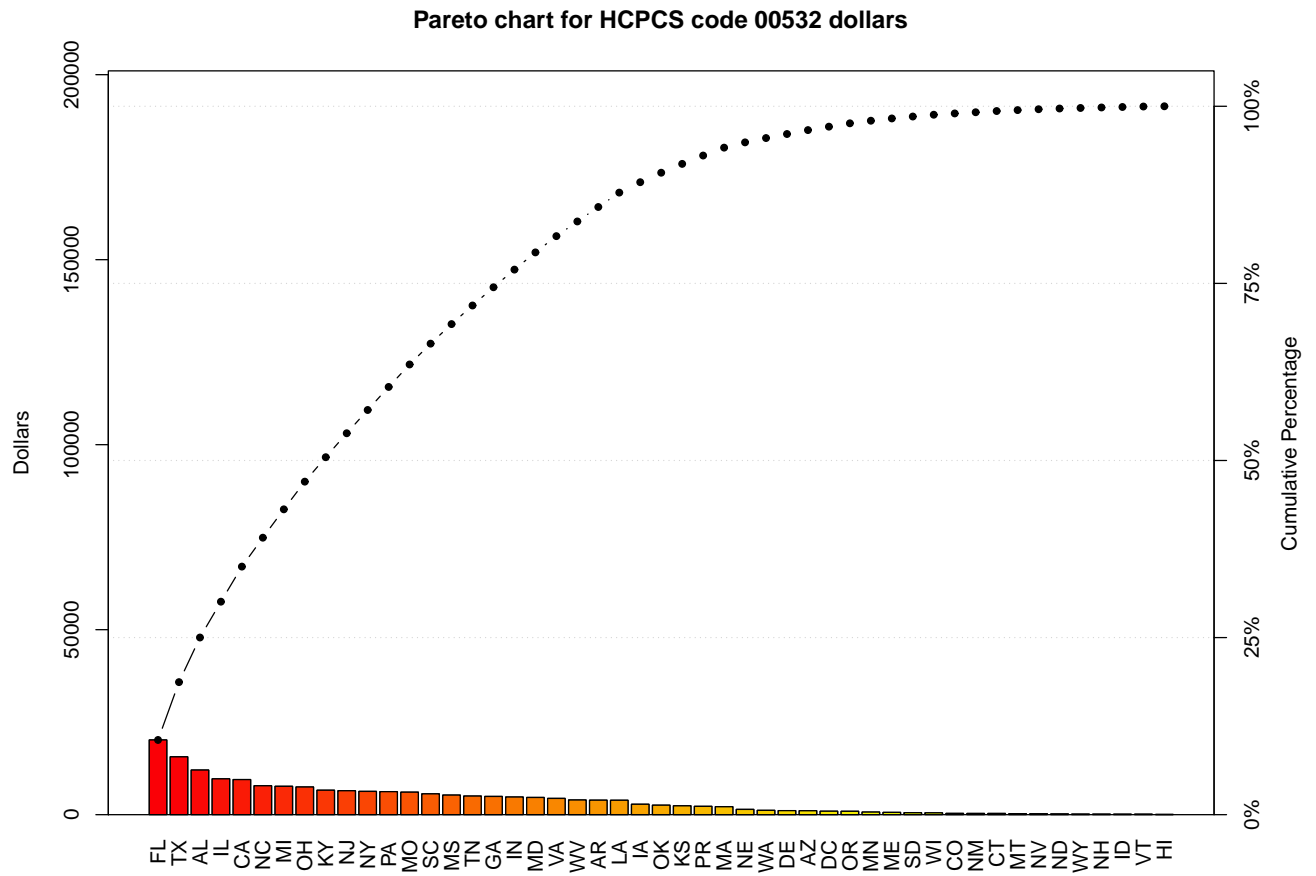


Figure 23: Pareto chart for 00532 dollars for all states. Chart is for all states/territories/possessions reporting.

I.3 Ordered by ZIP codes of interest

Extracting and processing ZIP codes for these cities: List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

- Chesapeake, VA
- Portsmouth, VA
- Norfolk, VA
- Virginia Beach, VA

Presumably these are all South Hampton Roads cities.

No data records found in ZIP codes of interest.

J 534

Anesthesia for insertion or replace of pacing heart defibrillator

J.1 Ordered by state

List is ordered by state with greatest Medicare dollar payment for this procedure, followed by the amount, the number of payments made, then the average payment for that state.

1. NY 7,026.81 (28) 251	16. DE 529.45 (4) 132
2. FL 5,618.61 (27) 208	17. AL 495.94 (2) 248
3. TX 3,751.99 (21) 179	18. OK 461.98 (2) 231
4. CA 2,896.64 (10) 290	19. MD 449.95 (2) 225
5. NJ 1,982.82 (14) 142	20. AK 379.08 (1) 379
6. SC 1,777.03 (16) 111	21. OH 364.32 (3) 121
7. GA 1,680.57 (13) 129	22. IA 301.61 (1) 302
8. PA 1,649.40 (12) 137	23. PR 260.78 (1) 261
9. AZ 1,648.65 (6) 275	24. TN 257.18 (1) 257
10. LA 1,098.73 (5) 220	25. CO 248.64 (1) 249
11. IL 1,067.33 (7) 152	26. MS 210.91 (2) 105
12. NC 838.28 (6) 140	27. VA 154.14 (1) 154 ***
13. MI 805.10 (6) 134	28. HI 136.82 (1) 137
14. CT 739.24 (4) 185	29. WV 117.11 (1) 117
15. NV 534.95 (2) 267	30. ME 113.89 (1) 114

J.2 Ordered by VA ZIPs

List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

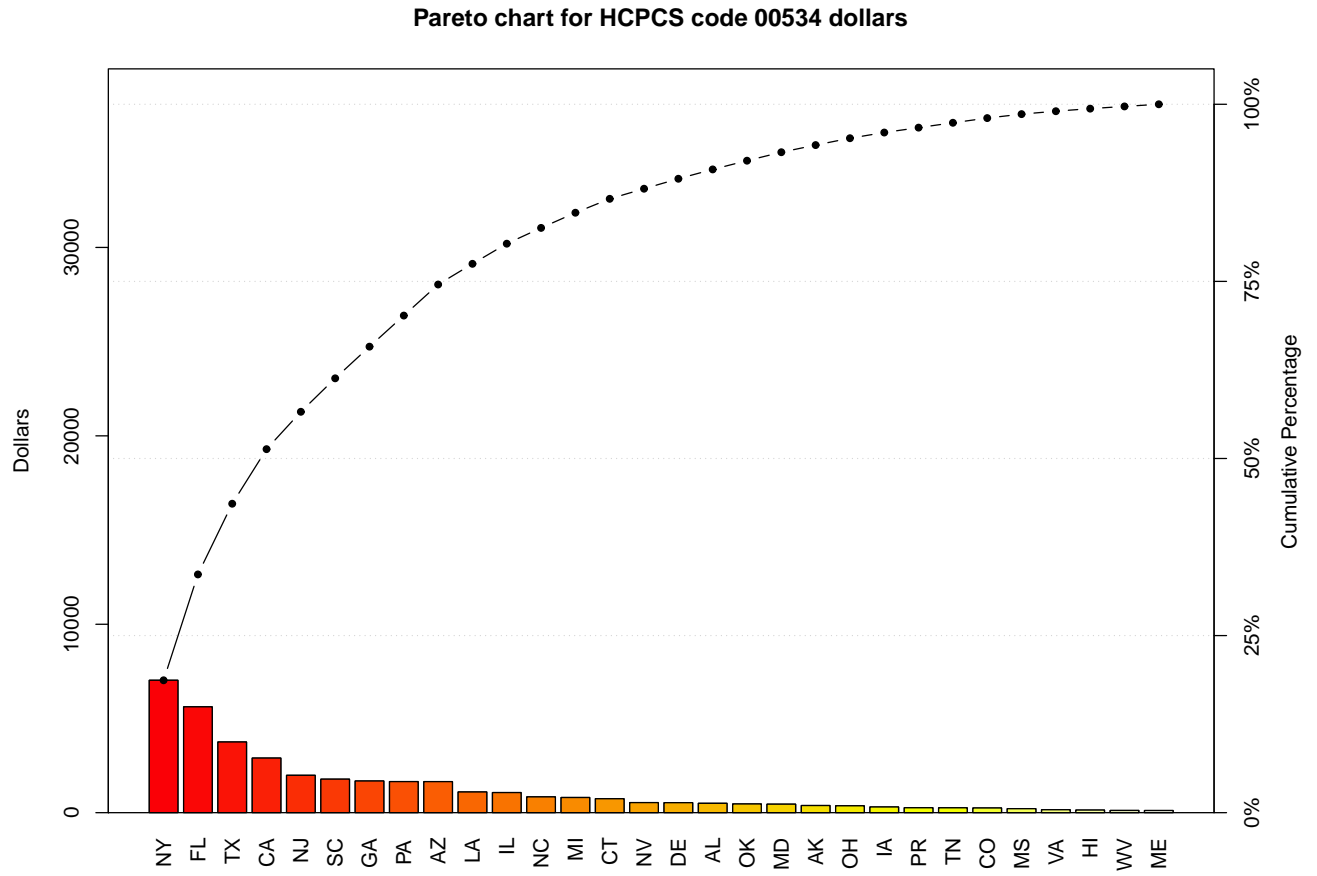


Figure 25: Pareto chart for 00534 dollars for all states. Chart is for all states/territories/possessions reporting.

1. 22042-3307 154.14 (1)

J.3 Ordered by ZIP codes of interest

Extracting and processing ZIP codes for these cities: List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

- Chesapeake, VA
- Portsmouth, VA
- Norfolk, VA
- Virginia Beach, VA

Presumably these are all South Hampton Roads cities.

No data records found in ZIP codes of interest.

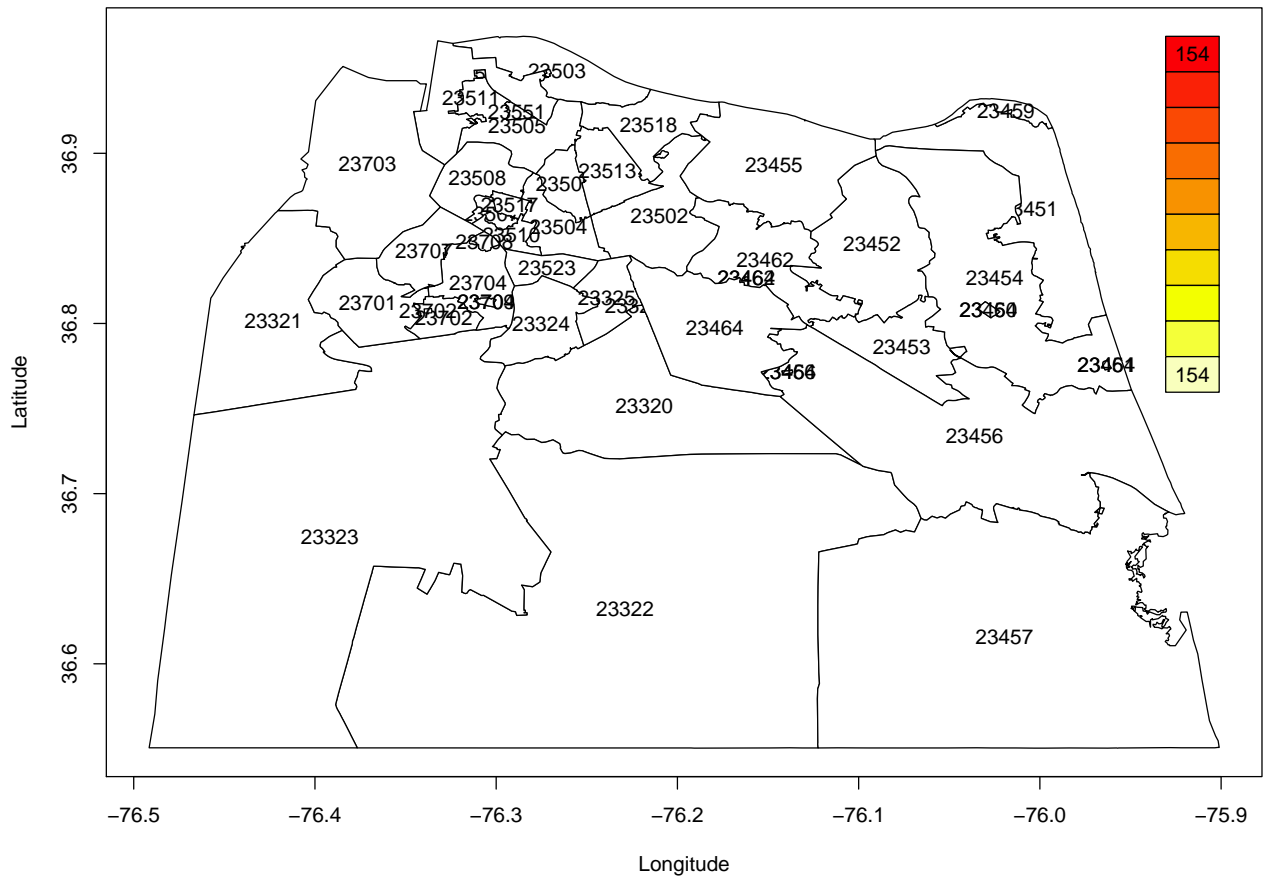


Figure 26: 00534 heat map for selected ZIP codes. Heat map is for the ZIP codes of selected cities.

K 537

Anesthesia for procedure on heart to correct abnormal rhythm

K.1 Ordered by state

List is ordered by state with greatest Medicare dollar payment for this procedure, followed by the amount, the number of payments made, then the average payment for that state.

1. FL 53,037.49 (208) 255	20. MN 5,706.32 (26) 219
2. TX 36,695.45 (175) 210	21. MA 5,689.61 (20) 284
3. CA 35,717.24 (107) 334	22. AL 5,376.23 (33) 163
4. NY 33,286.61 (137) 243	23. CT 5,134.62 (25) 205
5. MI 26,051.81 (135) 193	24. OK 5,082.57 (18) 282
6. PA 25,387.84 (138) 184	25. UT 4,464.53 (13) 343
7. NJ 23,214.00 (100) 232	26. KS 3,933.25 (27) 146
8. TN 19,006.51 (100) 190	27. AR 3,764.32 (13) 290
9. VA 14,347.90 (80) 179 ***	28. AK 3,135.65 (7) 448
10. GA 12,569.82 (67) 188	29. WA 3,020.19 (16) 189
11. NC 10,808.90 (57) 190	30. CO 2,829.51 (11) 257
12. OH 9,950.87 (63) 158	31. KY 2,538.46 (10) 254
13. IN 9,540.45 (34) 281	32. DC 2,524.86 (13) 194
14. SC 9,474.93 (55) 172	33. WV 2,257.06 (14) 161
15. MD 9,095.58 (35) 260	34. LA 2,182.93 (10) 218
16. AZ 8,249.33 (28) 295	35. NV 2,171.80 (7) 310
17. WI 8,157.01 (33) 247	36. DE 1,647.00 (10) 165
18. IL 7,953.46 (32) 249	37. NM 1,294.62 (3) 432
19. MD 7,728.70 (28) 276	38. NE 1,258.78 (8) 157
	39. NH 1,217.44 (4) 304
	40. IA 897.38 (5) 179

41. PR 844.39 (3) 281	45. ME 543.58 (3) 181
42. OR 777.84 (3) 259	46. VT 417.59 (2) 209
43. ID 775.52 (3) 259	47. WY 371.44 (1) 371
44. MS 683.16 (4) 171	48. ND 208.88 (1) 209

K.2 Ordered by VA ZIPs

List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

1. 22042-3307 3,336.65 (21)	10. 22601 323.75 (1)
2. 23452-4336 2,452.11 (8)	11. 23606-4425 280.94 (1)
3. 23235-4724 2,394.94 (14)	12. 22205-3610 181.29 (1)
4. 23298-5051 1,553.67 (10)	13. 23298-0541 165.11 (1)
5. 22401-4453 962.48 (7)	14. 23235 156.32 (1)
6. 23116-1844 670.17 (6)	15. 23298-0510 154.38 (1)
7. 22908-0001 575.40 (2)	16. 24014-1838 137.50 (1)
8. 23601-1929 416.26 (1)	17. 23226-1930 132.05 (1)
9. 23229-5205 354.41 (2)	18. 23226-1907 100.47 (1)

K.3 Ordered by ZIP codes of interest

Extracting and processing ZIP codes for these cities: List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

- Chesapeake, VA
- Portsmouth, VA
- Norfolk, VA
- Virginia Beach, VA

Presumably these are all South Hampton Roads cities.

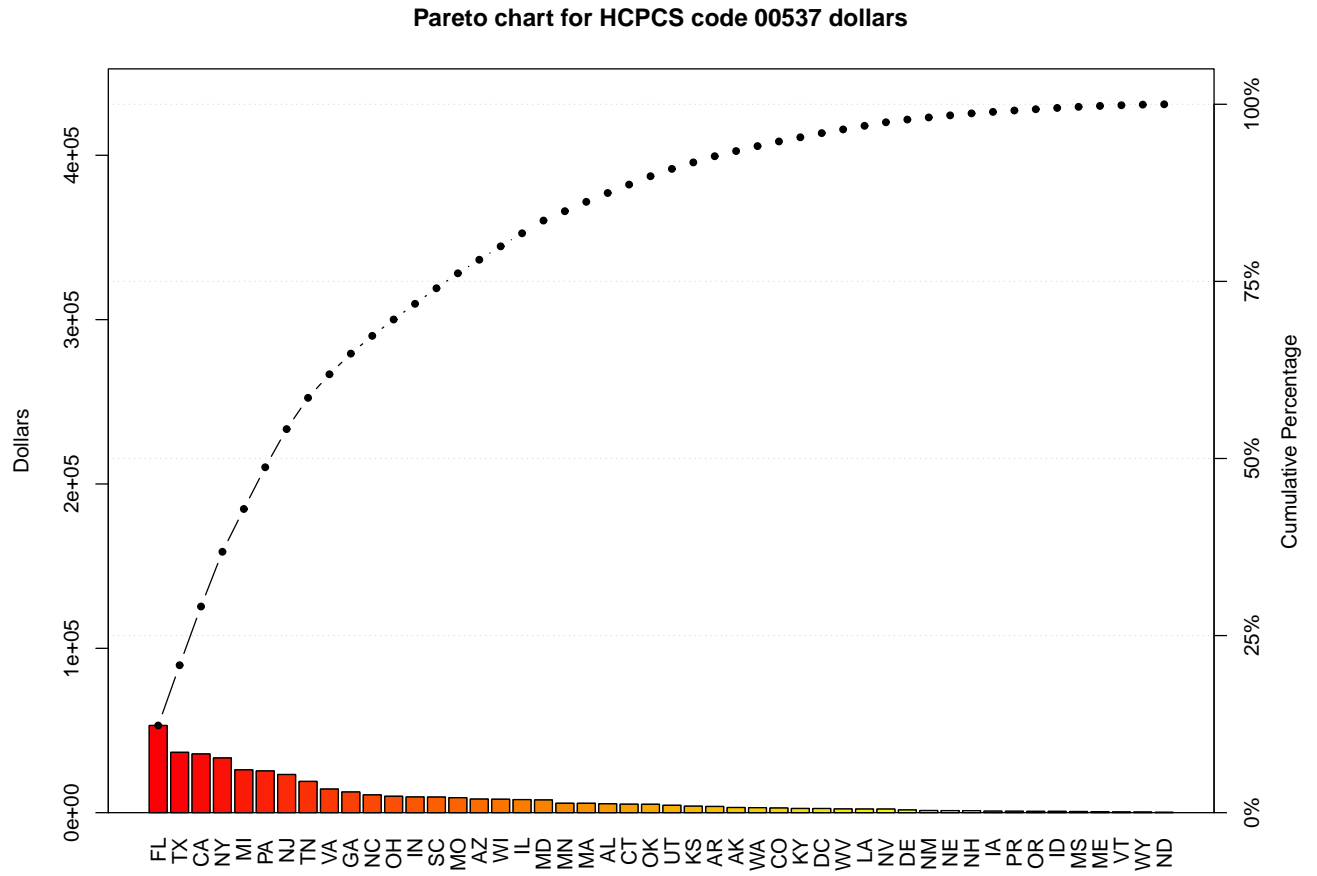


Figure 27: Pareto chart for 00537 dollars for all states. Chart is for all states/territories/possessions reporting.

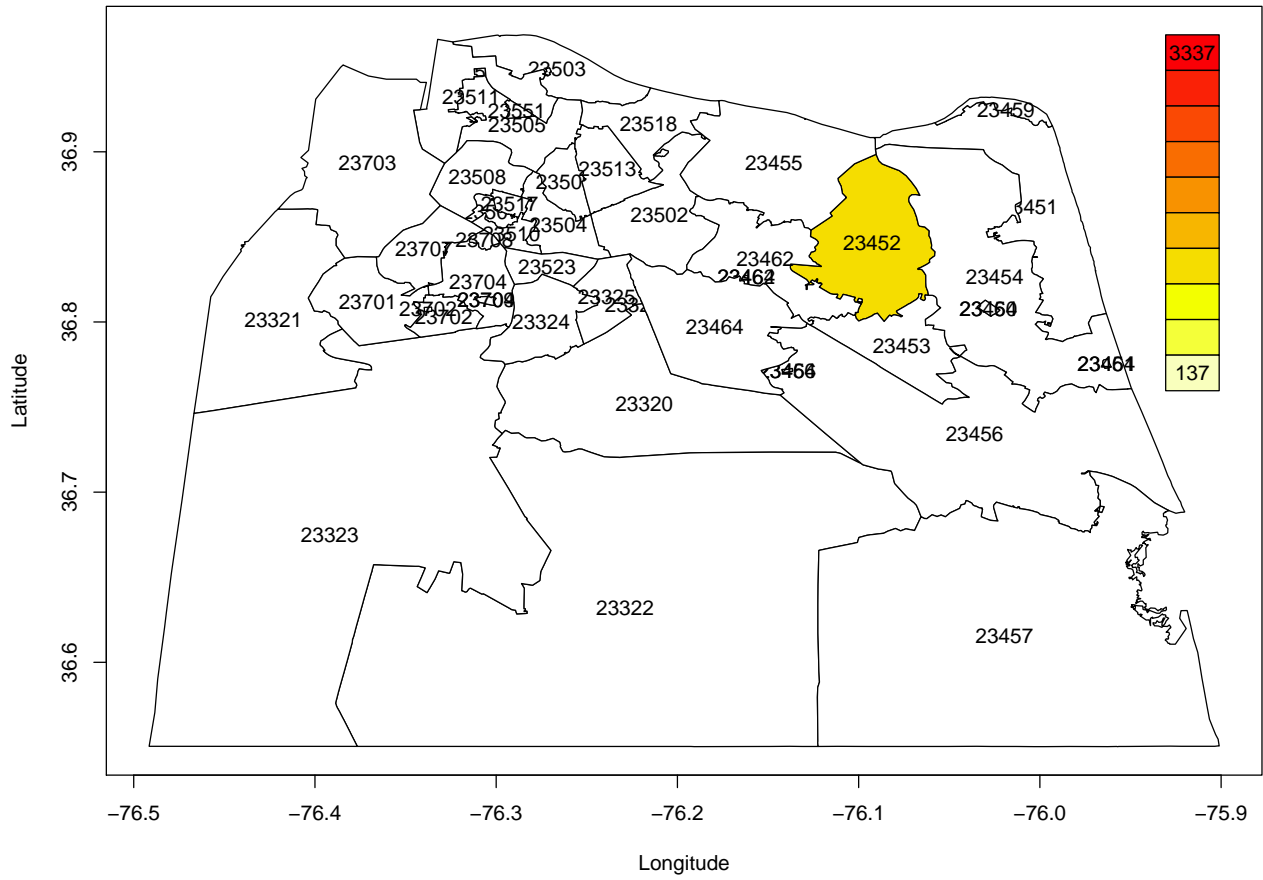


Figure 28: 00537 heat map for selected ZIP codes. Heat map is for the ZIP codes of selected cities.

1. 23452-4336 2452.11 (8)

L 910

Anesthesia for procedure on urinary system including use of an endoscope

L.1 Ordered by state

List is ordered by state with greatest Medicare dollar payment for this procedure, followed by the amount, the number of payments made, then the average payment for that state.

1. FL 48,286.32 (591) 82	20. AL 12,665.21 (209) 61
2. IL 46,345.46 (577) 80	21. LA 12,130.76 (180) 67
3. MI 37,835.35 (600) 63	22. WV 9,874.63 (173) 57
4. PA 32,554.37 (514) 63	23. MS 9,452.85 (151) 63
5. TX 31,337.55 (411) 76	24. CT 8,387.95 (122) 69
6. NY 29,222.27 (334) 87	25. KS 8,259.77 (99) 83
7. NJ 27,847.69 (346) 80	26. AZ 8,167.40 (88) 93
8. OH 25,229.99 (407) 62	27. OK 7,962.84 (95) 84
9. NC 20,580.89 (338) 61	28. AR 7,583.94 (80) 95
10. CA 19,157.26 (173) 111	29. WI 6,376.64 (86) 74
11. MA 19,026.17 (263) 72	30. WA 4,862.57 (53) 92
12. GA 18,007.58 (276) 65	31. DE 4,652.37 (81) 57
13. VA 17,359.57 (255) 68 ***	32. IA 4,500.82 (58) 78
14. MD 17,125.88 (199) 86	33. MN 4,365.35 (70) 62
15. MO 16,146.71 (236) 68	34. NH 4,105.63 (56) 73
16. IN 14,784.80 (176) 84	35. RI 3,428.00 (41) 84
17. KY 14,525.24 (214) 68	36. ME 3,284.42 (54) 61
18. SC 13,878.77 (236) 59	37. NE 2,898.24 (36) 81
19. TN 13,848.77 (209) 66	38. SD 2,865.55 (47) 61
	39. CO 2,268.66 (23) 99
	40. DC 2,026.84 (26) 78

41. OR 1,914.22 (20) 96	49. VT 731.68 (9) 81
42. NV 1,678.75 (16) 105	50. UT 684.33 (6) 114
43. ND 1,217.71 (22) 55	51. MT 330.18 (3) 110
44. HI 1,180.48 (14) 84	52. VI 96.48 (1) 96
45. NM 1,039.78 (9) 116	53. AP 90.20 (1) 90
46. ID 954.94 (10) 95	54. GU 48.44 (1) 48
47. WY 936.37 (9) 104	55. AE 48.38 (1) 48
48. PR 851.98 (5) 170	

L.2 Ordered by VA ZIPs

List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

1. 23229-5205 1,554.92 (27)	14. 24501-1099 322.68 (3)
2. 23507-1904 1,067.50 (14)	15. 22205-3610 315.31 (5)
3. 22908-0001 635.49 (6)	16. 23606-4425 305.84 (4)
4. 22401-4453 567.49 (9)	17. 22191-3311 299.42 (3)
5. 22042-3307 505.41 (7)	18. 22033-2921 290.06 (5)
6. 24592-1645 452.31 (6)	19. 23185-2833 273.62 (3)
7. 23462-6523 452.18 (7)	20. 23322-4339 244.22 (4)
8. 24153-7474 422.96 (7)	21. 23116-1844 241.76 (4)
9. 23454-3002 413.77 (7)	22. 23601-1929 230.50 (4)
10. 22304-1535 382.94 (6)	23. 23226-1907 227.81 (3)
11. 23704-2816 371.82 (6)	24. 22033-1709 219.13 (4)
12. 23235-1979 369.97 (7)	25. 22033-2907 218.78 (3)
13. 23235-4724 358.52 (6)	26. 24333-2227 213.03 (3)

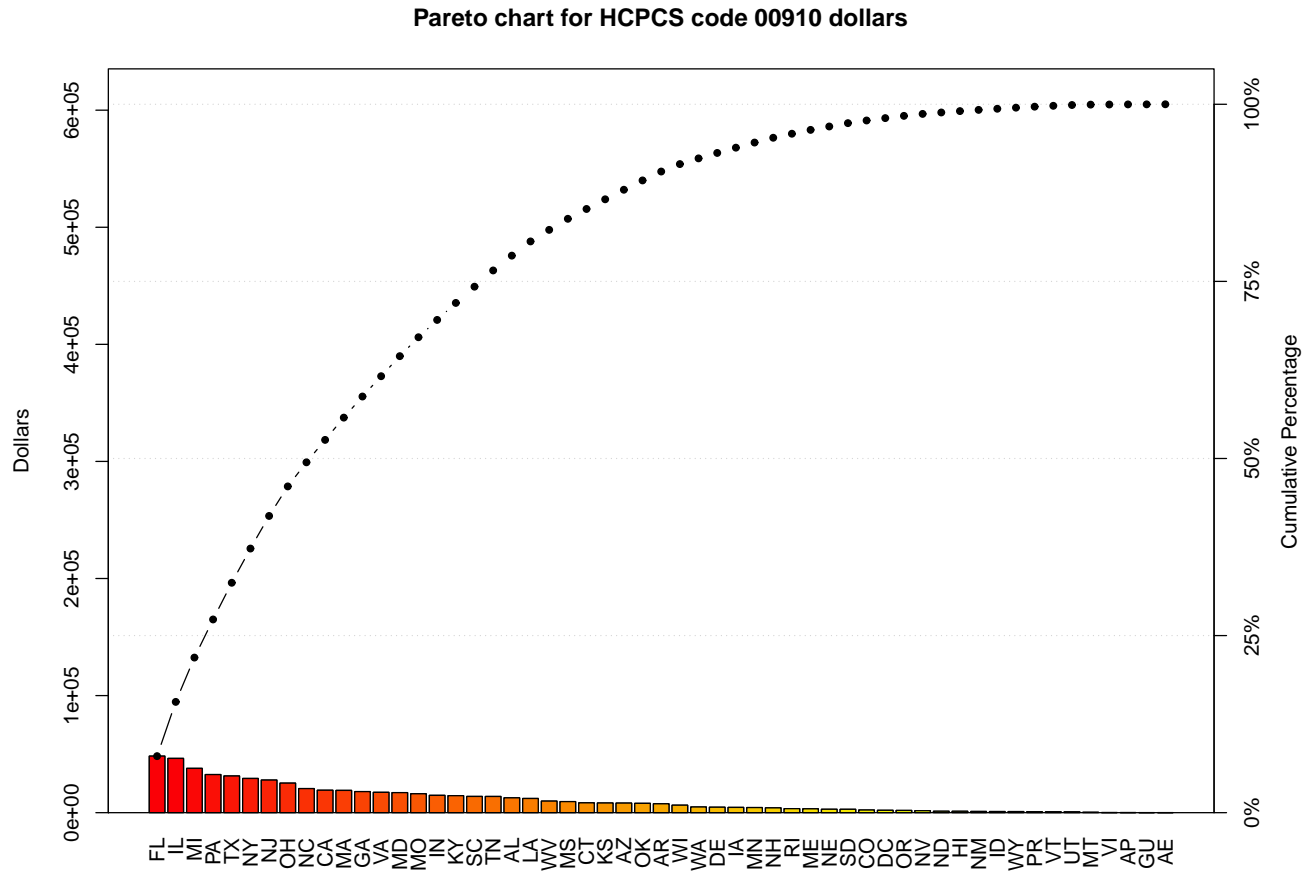


Figure 29: Pareto chart for 00910 dollars for all states. Chart is for all states/territories/possessions reporting.

27. 20110-4418 201.20 (2)
28. 24018-4357 200.61 (2)
29. 23502 193.74 (3)
30. 23707-3236 189.88 (3)
31. 23707 183.98 (3)
32. 23413-0017 180.06 (2)
33. 20176-5101 177.29 (3)
34. 20190-3219 174.10 (3)
35. 22908-0816 170.59 (2)
36. 24073-6344 147.78 (2)
37. 23805-9274 146.23 (3)
38. 23708-2111 145.59 (2)
39. 23455-6010 133.15 (2)
40. 24541-2922 133.13 (1)
41. 23455-6005 119.65 (2)
42. 24541 118.24 (1)
43. 23703-3329 116.61 (2)
44. 22902-5316 115.90 (1)
45. 20170-5310 112.98 (1)
46. 23188-5713 112.23 (1)
47. 24501-1020 110.92 (1)
48. 22801-3248 108.49 (1)
49. 22482-3880 107.41 (1)
50. 23970-1431 106.41 (1)
51. 22911 103.82 (1)
52. 22939-2332 99.81 (1)
53. 23455 97.33 (2)
54. 23551-2596 96.55 (1)
55. 23456-0167 87.57 (1)
56. 22030 87.33 (1)
57. 23235 75.89 (1)
58. 22306-3100 75.73 (1)
59. 23413 74.12 (1)
60. 23666-6080 70.18 (1)
61. 24219 70.16 (1)
62. 23805 69.29 (1)
63. 23502-3767 65.90 (1)
64. 23298-5051 65.09 (1)
65. 23502-3920 65.08 (1)
66. 22042 61.63 (1)
67. 23220-4334 61.60 (1)
68. 20186-3027 61.40 (1)
69. 22304 60.47 (1)
70. 20190 60.38 (1)
71. 802 60.08 (1)
72. 24354-6587 59.38 (1)
73. 23061-4178 59.35 (1)
74. 23505-4602 58.27 (1)
75. 23434-4259 57.92 (1)
76. 23666 56.21 (1)

77. 23805-1311 55.77 (1)	87. 23606-2068 51.37 (1)
78. 23322-7576 55.66 (1)	88. 24273-1616 51.14 (1)
79. 22102-3109 55.49 (1)	89. 23229 50.69 (1)
80. 22601 55.28 (1)	90. 24641 50.46 (1)
81. 20165-5871 55.17 (1)	91. 23220-4300 50.45 (1)
82. 23836-2665 54.95 (1)	92. 24382-1044 49.71 (1)
83. 24614-9611 53.19 (1)	93. 23294-4301 49.64 (1)
84. 24641-2055 52.47 (1)	94. 22033-1756 48.47 (1)
85. 24073-6374 51.48 (1)	95. 24014-1838 48.09 (1)
86. 23235-1962 51.40 (1)	96. 23235-4730 44.52 (1)

L.3 Ordered by ZIP codes of interest

Extracting and processing ZIP codes for these cities: List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

- Chesapeake, VA
- Norfolk, VA
- Portsmouth, VA
- Virginia Beach, VA

Presumably these are all South Hampton Roads cities.

1. 23507-1904 1067.50 (14)	9. 23708-2111 145.59 (2)
2. 23462-6523 452.18 (7)	10. 23455-6010 133.15 (2)
3. 23454-3002 413.77 (7)	11. 23455-6005 119.65 (2)
4. 23704-2816 371.82 (6)	12. 23703-3329 116.61 (2)
5. 23322-4339 244.22 (4)	13. 23455 97.33 (2)
6. 23502 193.74 (3)	14. 23551-2596 96.55 (1)
7. 23707-3236 189.88 (3)	15. 23456-0167 87.57 (1)
8. 23707 183.98 (3)	16. 23502-3767 65.90 (1)

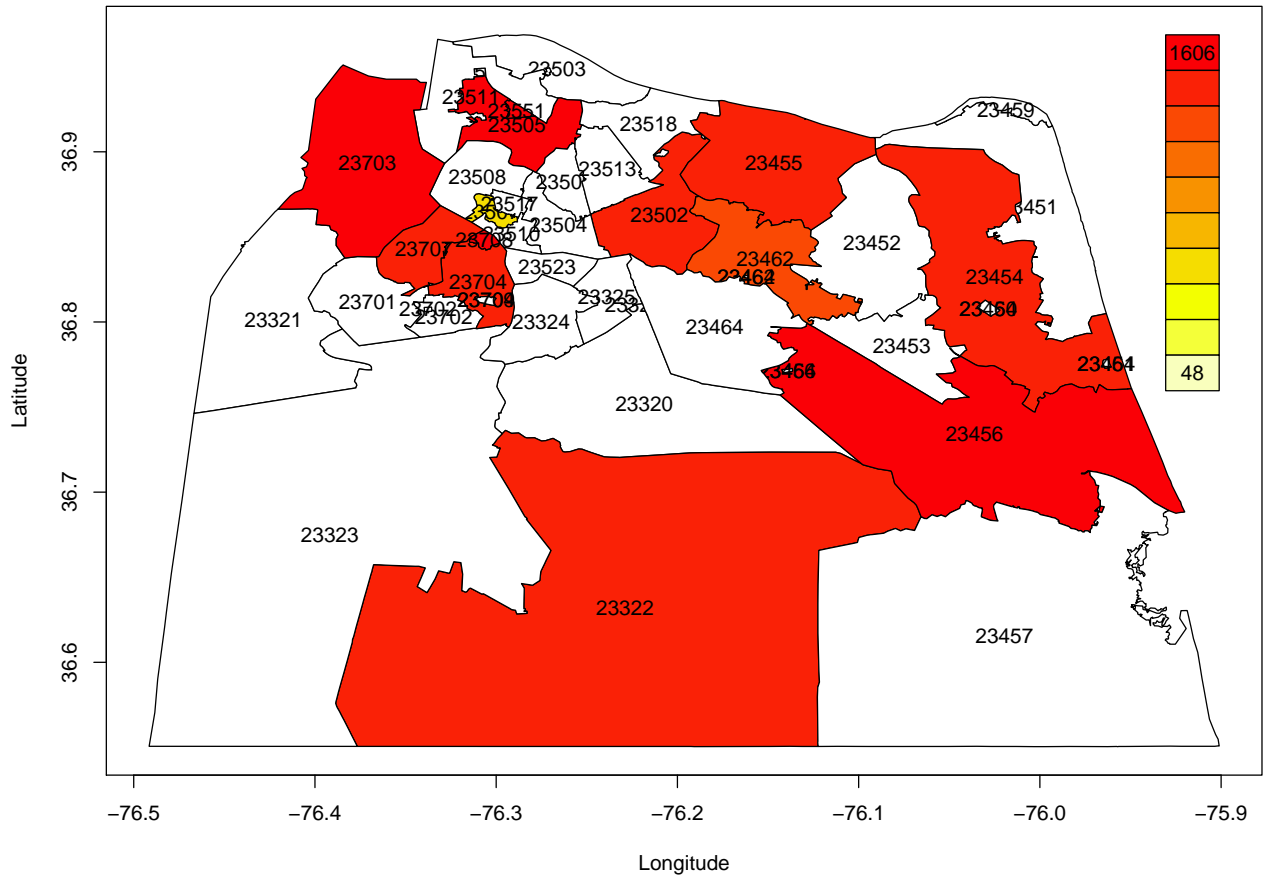


Figure 30: 00910 heat map for selected ZIP codes. Heat map is for the ZIP codes of selected cities.

17. 23502-3920 65.08 (1)

19. 23322-7576 55.66 (1)

18. 23505-4602 58.27 (1)

M 99217

Hospital observation care discharge

M.1 Ordered by state

List is ordered by state with greatest Medicare dollar payment for this procedure, followed by the amount, the number of payments made, then the average payment for that state.

1. FL 112,027.78 (2,000) 56	20. MD 31,661.00 (561) 56
2. TX 104,840.55 (1,974) 53	21. WA 29,721.96 (549) 54
3. CA 77,028.92 (1,330) 58	22. AL 29,429.16 (578) 51
4. MI 76,535.34 (1,396) 55	23. SC 29,029.95 (560) 52
5. IL 76,425.90 (1,364) 56	24. LA 28,606.50 (553) 52
6. OH 74,001.21 (1,384) 53	25. MN 25,891.56 (491) 53
7. PA 67,913.13 (1,256) 54	26. IA 23,179.12 (451) 51
8. NC 65,194.01 (1,250) 52	27. CO 21,952.73 (406) 54
9. NY 60,074.74 (1,108) 54	28. MS 21,618.92 (422) 51
10. MA 56,346.54 (1,007) 56	29. KS 21,297.42 (408) 52
11. GA 55,694.70 (1,050) 53	30. AR 21,021.37 (413) 51
12. TN 49,048.63 (957) 51	31. WV 20,422.05 (396) 52
13. IN 46,992.21 (898) 52	32. OK 19,403.99 (377) 51
14. VA 42,580.82 (789) 54 ***	33. CT 18,254.92 (319) 57
15. MO 39,801.52 (754) 53	34. OR 15,331.61 (291) 53
16. NJ 37,446.43 (645) 58	35. NE 14,522.04 (287) 51
17. KY 35,196.35 (685) 51	36. NH 11,895.29 (219) 54
18. AZ 34,420.10 (641) 54	37. ME 11,336.05 (215) 53
19. WI 32,369.10 (618) 52	38. NV 10,272.37 (184) 56
	39. RI 8,038.65 (145) 55
	40. ND 7,293.85 (137) 53

41. SD 7,262.65 (136) 53	49. HI 3,108.60 (56) 56
42. NM 6,925.06 (131) 53	50. ID 3,080.66 (60) 51
43. DE 6,406.23 (116) 55	51. AK 1,866.11 (28) 67
44. MT 5,820.72 (108) 54	52. PR 414.41 (8) 52
45. DC 4,766.04 (83) 57	53. ZZ 171.65 (3) 57
46. UT 4,160.90 (81) 51	54. GU 56.90 (1) 57
47. VT 3,704.97 (69) 54	55. VI 52.83 (1) 53
48. WY 3,592.80 (66) 54	

M.2 Ordered by VA ZIPs

List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

1. 24501-2115 1,565.97 (30)	14. 22939-2332 540.10 (10)
2. 22401-4453 1,449.04 (27)	15. 22601-3834 536.67 (10)
3. 23462-5225 1,405.64 (26)	16. 22908-0001 495.36 (9)
4. 22601-2808 1,331.45 (25)	17. 23229-4946 466.61 (9)
5. 22801-8679 1,076.09 (20)	18. 23502-3920 433.88 (8)
6. 23225-4017 1,074.49 (20)	19. 23413 432.71 (8)
7. 22042-3307 1,023.55 (18)	20. 24211-7659 423.19 (8)
8. 23601-1929 962.73 (18)	21. 24014-1838 389.37 (7)
9. 23320-4941 852.91 (16)	22. 23298-5051 383.90 (7)
10. 22911-4668 845.75 (16)	23. 20186-3027 369.39 (7)
11. 24153-7474 693.90 (13)	24. 22601-2872 325.52 (6)
12. 20110-4418 662.35 (12)	25. 23454-3002 319.42 (6)
13. 23226-1907 582.84 (11)	26. 22630-3512 313.19 (6)

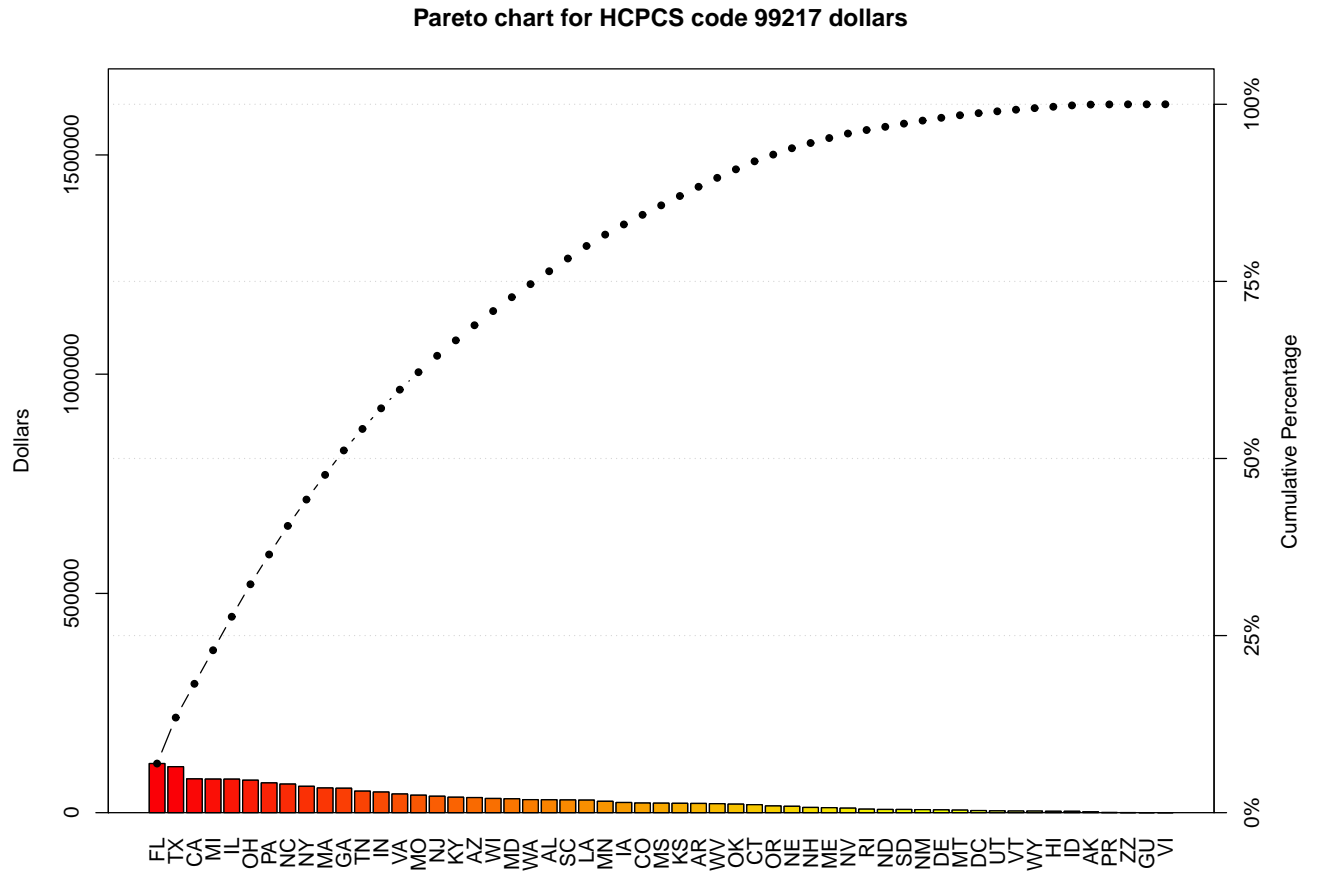


Figure 31: Pareto chart for 99217 dollars for all states. Chart is for all states/territories/possessions reporting.

27. 22701-3917 304.11 (6)
28. 22205-3683 302.11 (5)
29. 23805-9274 296.73 (6)
30. 23229-5205 271.45 (5)
31. 23188-5713 270.16 (5)
32. 20176-5101 266.71 (5)
33. 23061-4178 262.52 (5)
34. 24382-1044 253.27 (5)
35. 22031-2238 245.32 (4)
36. 22306-3415 244.24 (4)
37. 22033-1709 239.39 (4)
38. 22205-3686 231.42 (4)
39. 24592-1630 217.13 (4)
40. 23116-1844 216.59 (4)
41. 24641 215.86 (4)
42. 22801-3487 215.77 (4)
43. 23225-5520 214.47 (4)
44. 23434-4259 207.10 (4)
45. 24541-2922 206.67 (4)
46. 22664-1127 205.61 (4)
47. 22408-7762 203.99 (4)
48. 23666-5906 197.47 (4)
49. 22182-3873 184.29 (3)
50. 22151-2208 179.40 (3)
51. 22191-3311 167.23 (3)
52. 24301-2335 163.92 (3)
53. 23502-3927 163.15 (3)
54. 24112-1929 162.86 (3)
55. 24614-6975 162.58 (3)
56. 22630-3547 162.14 (3)
57. 24014-1728 162.07 (3)
58. 24354 161.36 (3)
59. 23455-6010 161.36 (3)
60. 23116-2329 161.09 (3)
61. 23505-4602 160.44 (3)
62. 24018-3582 159.90 (3)
63. 23507-1914 156.95 (3)
64. 23434-8038 156.56 (3)
65. 23188 156.19 (3)
66. 23847-1240 155.84 (3)
67. 22630-2717 153.76 (3)
68. 24112-1900 152.54 (3)
69. 22033-1756 123.33 (2)
70. 22031-2902 123.26 (2)
71. 20190-3219 123.06 (2)
72. 22030-4738 122.98 (2)
73. 22031-5207 121.42 (2)
74. 22205-3610 116.91 (2)
75. 24457 113.93 (2)
76. 24073-6344 112.87 (2)

77. 24293 109.61 (2) 101. 24333-2227 106.13 (2)
78. 22939-2273 109.60 (2) 102. 23666 106.12 (2)
79. 22911-8844 109.56 (2) 103. 24151-1318 105.24 (2)
80. 23116-1804 109.55 (2) 104. 22835-1016 104.07 (2)
81. 23220-4438 109.53 (2) 105. 23298-5058 103.99 (2)
82. 23464-3808 109.51 (2) 106. 24060-7017 103.19 (2)
83. 23188-5716 109.46 (2) 107. 23454-3064 101.33 (2)
84. 23060-3327 109.44 (2) 108. 24153-7357 98.69 (2)
85. 24014-2465 109.39 (2) 109. 22601 98.30 (2)
86. 22902-4808 109.31 (2) 110. 23851-1238 96.95 (2)
87. 23860-5141 109.29 (2) 111. 24273-1538 96.91 (2)
88. 24273-1600 109.27 (2) 112. 23320-5041 92.60 (2)
89. 23602-4414 109.22 (2) 113. 20151-1269 61.69 (1)
90. 24541 109.15 (2) 114. 23230-1726 61.67 (1)
91. 24017-2500 109.09 (2) 115. 22033-1712 61.66 (1)
92. 23226 108.31 (2) 116. 22030-4728 61.64 (1)
93. 24277-2853 108.12 (2) 117. 20175-8743 61.62 (1)
94. 23970-1614 107.97 (2) 118. 20170-4741 61.60 (1)
95. 24541-2458 107.79 (2) 119. 22042-1260 61.57 (1)
96. 23294 107.70 (2) 120. 22030-8269 61.53 (1)
97. 23226-1934 107.52 (2) 121. 22044-2003 61.48 (1)
98. 23507-1904 107.05 (2) 122. 22204-4547 61.47 (1)
99. 22801-3248 107.05 (2) 123. 22101-2719 61.43 (1)
100. 22801 106.77 (2) 124. 22310 61.37 (1)
125. 23249-0001 61.35 (1)
126. 22306-0504 61.35 (1)

127. 22304-7208 61.34 (1)
128. 22311-1404 61.32 (1)
129. 20147-5898 61.24 (1)
130. 23298-0510 61.11 (1)
131. 22030-5721 60.85 (1)
132. 22204-1064 60.67 (1)
133. 22032-1021 60.55 (1)
134. 22306-3427 60.50 (1)
135. 20190-3215 59.79 (1)
136. 20109-5622 59.79 (1)
137. 22042 59.44 (1)
138. 22304-3554 59.25 (1)
139. 22031 59.19 (1)
140. 23231-2424 58.69 (1)
141. 24153 58.59 (1)
142. 22304-1535 57.55 (1)
143. 22079-4756 57.36 (1)
144. 22043-3500 57.02 (1)
145. 20190-5896 56.26 (1)
146. 24501-1443 56.07 (1)
147. 23455-5545 56.06 (1)
148. 22908-0816 55.91 (1)
149. 22554-1733 55.79 (1)
150. 20176 55.56 (1)
151. 24370-3112 55.39 (1)
152. 22191-3323 55.36 (1)
153. 24541-1803 55.16 (1)
154. 24283-1267 55.14 (1)
155. 24641-2010 55.13 (1)
156. 23226-1930 55.09 (1)
157. 24112-3708 55.00 (1)
158. 23320-4986 54.97 (1)
159. 23236-1062 54.93 (1)
160. 22025 54.93 (1)
161. 24641-2159 54.89 (1)
162. 20186-3026 54.87 (1)
163. 23059-3433 54.87 (1)
164. 23112-3928 54.87 (1)
165. 23502-4143 54.85 (1)
166. 20155-3258 54.85 (1)
167. 23434-8470 54.84 (1)
168. 22812-1132 54.81 (1)
169. 23505-4614 54.81 (1)
170. 22401-3300 54.79 (1)
171. 24501-2148 54.77 (1)
172. 22601-3010 54.77 (1)
173. 24112-2802 54.77 (1)
174. 20176-1816 54.76 (1)
175. 23602-4404 54.73 (1)
176. 23454-2444 54.73 (1)

177. 23320-4900 54.72 (1)
178. 22003-5215 54.70 (1)
179. 22960-2243 54.70 (1)
180. 24273-3007 54.69 (1)
181. 23834-2400 54.68 (1)
182. 22556-8600 54.68 (1)
183. 24450-2455 54.68 (1)
184. 23225 54.68 (1)
185. 24266-4510 54.67 (1)
186. 22554-8908 54.67 (1)
187. 22066-1838 54.66 (1)
188. 22801-3483 54.66 (1)
189. 23320-0302 54.66 (1)
190. 24273-1137 54.66 (1)
191. 23435-2663 54.66 (1)
192. 24153-7458 54.65 (1)
193. 24014-3632 54.65 (1)
194. 22701-4630 54.64 (1)
195. 23502-3932 54.64 (1)
196. 24018 54.63 (1)
197. 23185 54.63 (1)
198. 23510-1064 54.63 (1)
199. 20147-5248 54.58 (1)
200. 23456-0178 54.57 (1)
201. 23510-1065 54.57 (1)
202. 24273-1620 54.56 (1)
203. 23452-3851 54.56 (1)
204. 23112-2170 54.56 (1)
205. 23455-6005 54.55 (1)
206. 23502 54.55 (1)
207. 23298-0036 54.55 (1)
208. 23188-2865 54.54 (1)
209. 24171-1019 54.53 (1)
210. 23901-0289 54.53 (1)
211. 23316 54.49 (1)
212. 23834 54.47 (1)
213. 24445 54.47 (1)
214. 24266-4430 54.41 (1)
215. 22191-3326 54.38 (1)
216. 24260 54.28 (1)
217. 23847-1217 54.21 (1)
218. 24219-3350 54.20 (1)
219. 24211 53.97 (1)
220. 24555-2710 53.97 (1)
221. 22401-3376 53.88 (1)
222. 22405 53.87 (1)
223. 24266 53.86 (1)
224. 23803-5149 53.86 (1)
225. 23507 53.86 (1)
226. 22554-7223 53.86 (1)

227. 22191-3908 53.82 (1)
228. 20110-4414 53.82 (1)
229. 22427-9336 53.81 (1)
230. 23230-2519 53.75 (1)
231. 23112 53.75 (1)
232. 22801-3437 53.73 (1)
233. 23507-2219 53.66 (1)
234. 24273-2606 53.64 (1)
235. 22033-1710 53.37 (1)
236. 22046-3327 53.33 (1)
237. 23834-1770 53.32 (1)
238. 20176-8100 53.28 (1)
239. 24348 53.25 (1)
240. 23868-1615 53.25 (1)
241. 24540-7812 53.22 (1)
242. 24482 53.17 (1)
243. 22033-2626 53.07 (1)
244. 24333-2454 53.06 (1)
245. 24014 53.04 (1)
246. 23322-6611 53.03 (1)
247. 24531-5253 53.00 (1)
248. 23235-6345 52.96 (1)
249. 24605-2000 52.93 (1)
250. 23847-1248 52.92 (1)
251. 22601-4146 52.90 (1)
252. 24551-4662 52.89 (1)
253. 24273-1616 52.80 (1)
254. 24605-2026 52.76 (1)
255. 23836-8611 52.73 (1)
256. 24631-8723 52.66 (1)
257. 22302-1277 52.60 (1)
258. 22611-1369 52.59 (1)
259. 23510-1005 52.55 (1)
260. 24381-3030 52.53 (1)
261. 23226-2920 52.50 (1)
262. 24541-4100 52.44 (1)
263. 24277-2599 52.34 (1)
264. 23462-3818 52.34 (1)
265. 24605-2002 52.21 (1)
266. 22314-4289 52.14 (1)
267. 23321-5260 52.12 (1)
268. 22939 52.07 (1)
269. 24018-9245 51.98 (1)
270. 24605-1738 51.88 (1)
271. 22546-1513 51.81 (1)
272. 22601-6452 51.80 (1)
273. 24151-1711 51.79 (1)
274. 22408 51.76 (1)
275. 22311-5450 51.71 (1)
276. 20165-5876 51.65 (1)

277. 23511 51.64 (1)	290. 22401-3311 47.73 (1)
278. 23666-5963 51.46 (1)	291. 22630-3501 47.68 (1)
279. 24541-2425 51.36 (1)	292. 22180-4717 46.46 (1)
280. 22203-1762 51.34 (1)	293. 20109 46.33 (1)
281. 22039-3112 51.20 (1)	294. 20110-5849 46.30 (1)
282. 23116-3865 51.14 (1)	295. 24523-1213 46.30 (1)
283. 23229 51.03 (1)	296. 24354-1100 46.06 (1)
284. 23606-3001 50.80 (1)	297. 24210-2921 45.32 (1)
285. 24219-2752 50.19 (1)	298. 22560-5000 45.19 (1)
286. 24153-6404 49.84 (1)	299. 23114-3222 44.92 (1)
287. 22554-1574 49.51 (1)	300. 22508-3108 44.61 (1)
288. 24354-4138 49.18 (1)	301. 22601-2807 43.63 (1)
289. 24459 48.69 (1)	302. 23510-1263 42.12 (1)

M.3 Ordered by ZIP codes of interest

Extracting and processing ZIP codes for these cities: List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

- Chesapeake, VA
- Norfolk, VA
- Portsmouth, VA
- Virginia Beach, VA

Presumably these are all South Hampton Roads cities.

1. 23462-5225 1405.64 (26)	6. 23455-6010 161.36 (3)
2. 23320-4941 852.91 (16)	7. 23505-4602 160.44 (3)
3. 23502-3920 433.88 (8)	8. 23507-1914 156.95 (3)
4. 23454-3002 319.42 (6)	9. 23464-3808 109.51 (2)
5. 23502-3927 163.15 (3)	10. 23507-1904 107.05 (2)

11. 23454-3064 101.32 (2)
12. 23320-5041 92.60 (2)
13. 23455-5545 56.06 (1)
14. 23320-4986 54.97 (1)
15. 23502-4143 54.85 (1)
16. 23505-4614 54.81 (1)
17. 23454-2444 54.73 (1)
18. 23320-4900 54.72 (1)
19. 23320-0302 54.66 (1)
20. 23502-3932 54.64 (1)
21. 23510-1064 54.63 (1)
22. 23456-0178 54.57 (1)
23. 23510-1065 54.57 (1)
24. 23452-3851 54.56 (1)
25. 23455-6005 54.55 (1)
26. 23502 54.55 (1)
27. 23507 53.86 (1)
28. 23507-2219 53.66 (1)
29. 23322-6611 53.03 (1)
30. 23510-1005 52.55 (1)
31. 23462-3818 52.34 (1)
32. 23321-5260 52.12 (1)
33. 23511 51.64 (1)
34. 23510-1263 42.12 (1)

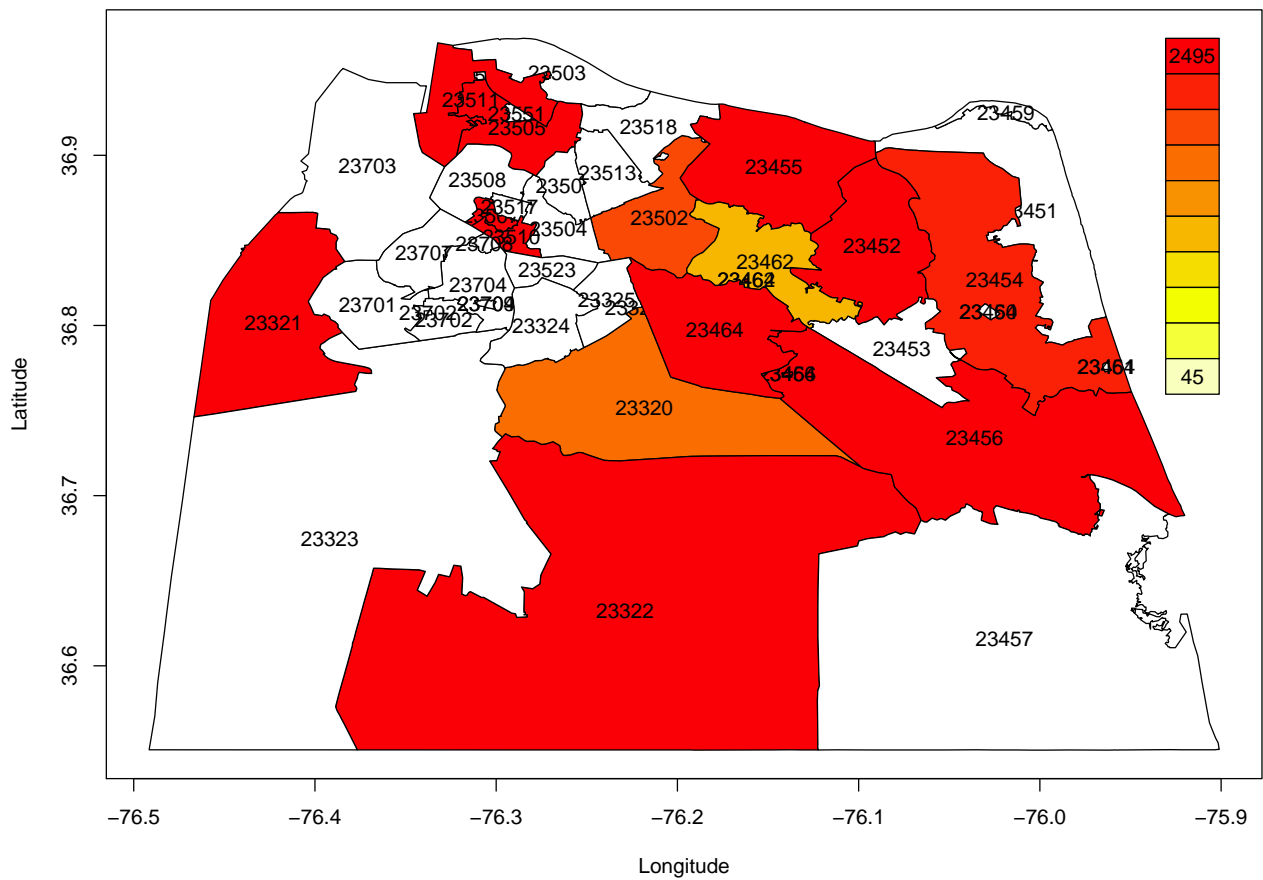


Figure 32: 99217 heat map for selected ZIP codes. Heat map is for the ZIP codes of selected cities.

N 99222

Initial hospital inpatient care, typically 50 minutes per day

N.1 Ordered by state

List is ordered by state with greatest Medicare dollar payment for this procedure, followed by the amount, the number of payments made, then the average payment for that state.

1. NY 796,531.13 (7,292) 109	20. CT 187,742.94 (1,721) 109
2. FL 783,151.91 (7,288) 107	21. SC 186,033.26 (1,914) 97
3. TX 758,170.40 (7,536) 101	22. WI 177,531.56 (1,803) 98
4. PA 725,533.00 (7,005) 104	23. AL 172,357.11 (1,787) 96
5. CA 674,705.27 (6,241) 108	24. AZ 159,664.90 (1,564) 102
6. IL 608,453.56 (5,590) 109	25. MN 154,330.56 (1,575) 98
7. OH 504,711.38 (4,944) 102	26. WA 148,874.72 (1,448) 103
8. NJ 488,960.40 (4,431) 110	27. KS 136,315.84 (1,384) 98
9. MI 457,499.46 (4,332) 106	28. OK 129,778.97 (1,346) 96
10. MA 369,827.10 (3,490) 106	29. IA 123,849.97 (1,291) 96
11. NC 324,715.49 (3,289) 99	30. CO 115,417.83 (1,128) 102
12. MD 303,266.53 (3,001) 101	31. MS 109,686.80 (1,129) 97
13. VA 289,746.00 (2,841) 102 ***	32. WV 96,860.63 (979) 99
14. GA 278,541.15 (2,751) 101	33. AR 96,302.25 (1,007) 96
15. IN 274,425.85 (2,798) 98	34. NE 94,121.18 (991) 95
16. TN 244,839.76 (2,520) 97	35. OR 71,147.25 (714) 100
17. MD 244,634.84 (2,260) 108	36. NV 66,990.44 (632) 106
18. KY 195,601.43 (2,005) 98	37. NH 64,189.71 (618) 104
19. LA 188,386.58 (1,922) 98	38. ME 61,099.87 (609) 100
	39. RI 49,487.32 (463) 107
	40. DE 46,988.63 (453) 104

41. UT 44,012.41 (442) 100	50. HI 16,213.33 (155) 105
42. NM 42,404.67 (426) 100	51. WY 15,048.95 (146) 103
43. SD 41,185.36 (417) 99	52. AK 14,964.27 (113) 132
44. PR 37,685.46 (425) 89	53. ZZ 1,245.98 (12) 104
45. DC 34,264.89 (308) 111	54. VI 1,106.87 (11) 101
46. ND 34,202.82 (345) 99	55. GU 505.16 (5) 101
47. MT 32,598.64 (320) 102	56. MP 322.05 (3) 107
48. ID 31,099.06 (322) 97	57. AE 207.00 (2) 104
49. VT 21,552.88 (214) 101	58. AP 103.88 (1) 104

N.2 Ordered by VA ZIPs

List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

1. 22908-0001 13,761.37 (137)	12. 23507-1904 2,084.57 (21)
2. 23298-5051 9,223.42 (93)	13. 23502-3920 2,038.54 (20)
3. 23507-1914 3,450.23 (34)	14. 24501-2148 2,020.91 (20)
4. 23225-4017 3,252.33 (33)	15. 23298-0510 2,005.60 (20)
5. 24153-7357 3,141.59 (31)	16. 22601-2872 1,945.72 (19)
6. 24501-2115 2,944.75 (29)	17. 23226-1907 1,940.38 (19)
7. 22801-8679 2,867.62 (28)	18. 23454-3002 1,845.64 (18)
8. 22401-4453 2,473.70 (25)	19. 22939-2273 1,841.57 (18)
9. 24014-1838 2,466.36 (24)	20. 22401-4467 1,800.63 (18)
10. 22911-4668 2,444.98 (24)	21. 23462-1815 1,742.80 (17)
11. 23601-1929 2,144.49 (21)	22. 24211-7659 1,724.00 (17)
	23. 24457 1,618.63 (16)

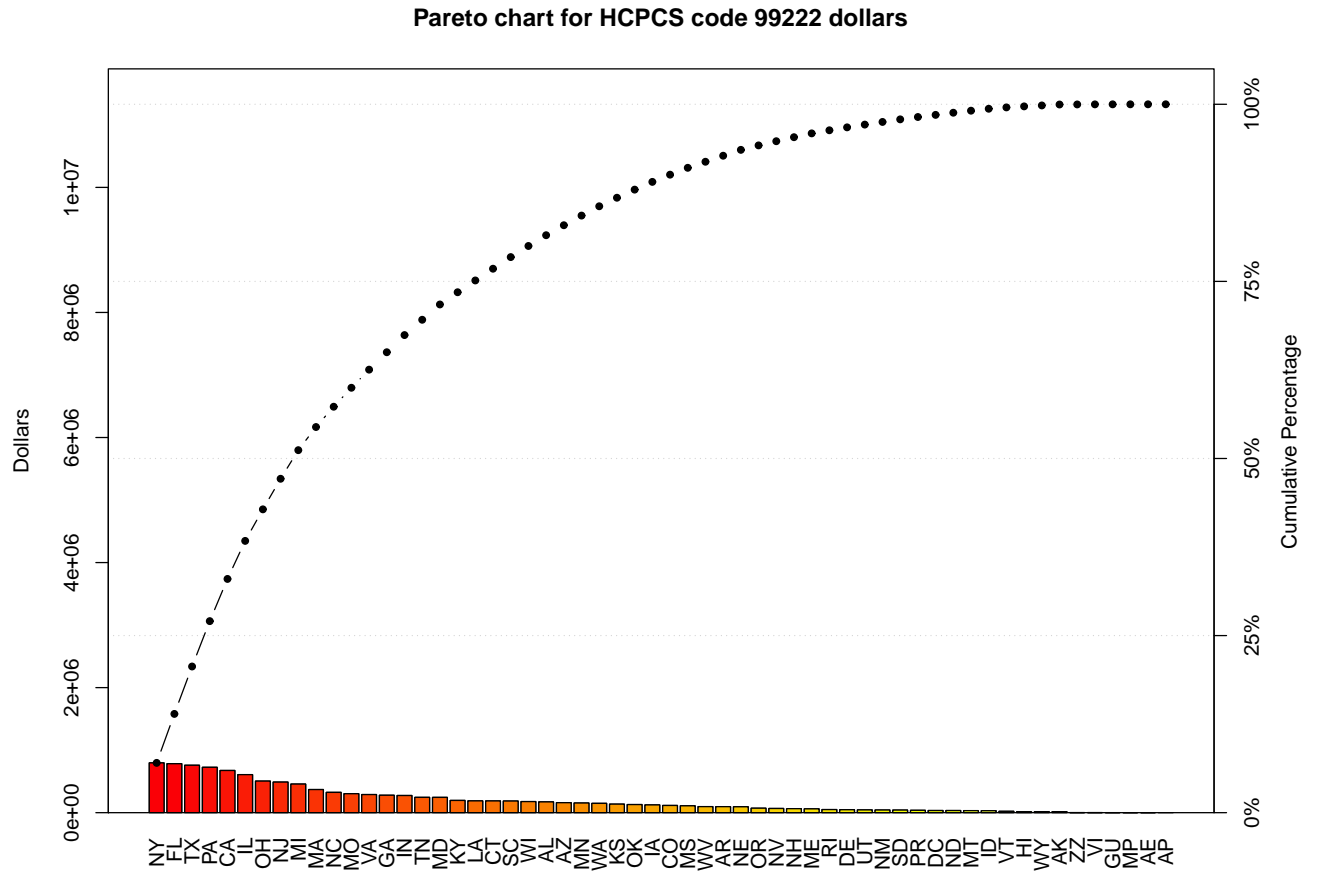


Figure 33: Pareto chart for 99222 dollars for all states. Chart is for all states/territories/possessions reporting.

24. 24073-6344 1,524.05 (15)
25. 22939-2332 1,519.99 (15)
26. 23116-1844 1,494.93 (15)
27. 22205-3683 1,485.56 (13)
28. 24153-7474 1,477.38 (15)
29. 22306-3403 1,473.22 (13)
30. 22042-3307 1,448.31 (13)
31. 22033-1756 1,419.21 (13)
32. 24016-4955 1,396.30 (14)
33. 22801-3487 1,385.25 (14)
34. 22033-1715 1,319.98 (12)
35. 24016-4606 1,315.06 (13)
36. 23229-4946 1,290.10 (13)
37. 22304-1313 1,251.33 (11)
38. 23502-3927 1,238.87 (12)
39. 24014-2462 1,238.80 (12)
40. 23507-1901 1,237.54 (12)
41. 24501-2184 1,227.12 (13)
42. 23229-4938 1,226.82 (12)
43. 23606-1393 1,218.29 (12)
44. 23320-5041 1,214.02 (12)
45. 22033-1907 1,204.60 (11)
46. 24016 1,191.01 (12)
47. 23454 1,131.01 (11)
48. 23235-4730 1,129.45 (11)
49. 23834-2400 1,129.18 (11)
50. 23502 1,114.72 (11)
51. 23235 1,104.70 (11)
52. 23666-5906 1,101.89 (11)
53. 23236-4510 1,094.06 (11)
54. 22042-1260 1,091.82 (10)
55. 23434-4259 1,028.58 (10)
56. 22205-3609 1,027.28 (9)
57. 23606-2565 1,016.79 (10)
58. 22903 1,006.76 (10)
59. 23454-3064 986.82 (10)
60. 23061-4178 950.86 (10)
61. 23229-5010 920.59 (9)
62. 23435-2663 919.59 (9)
63. 24014-1728 911.88 (9)
64. 22601-2808 908.16 (9)
65. 23225-5520 907.13 (9)
66. 23502-3932 900.95 (9)
67. 23185-2505 898.55 (9)
68. 23413 894.38 (9)
69. 22031 893.10 (8)
70. 22033 889.17 (8)
71. 24014-2419 884.88 (9)
72. 23834-4905 884.36 (9)
73. 23225 877.12 (9)

74. 22601 824.14 (8)
75. 23455-6010 815.72 (8)
76. 24501-1008 813.36 (8)
77. 23114-3222 811.74 (8)
78. 23320-4941 810.25 (8)
79. 24153-6404 806.58 (8)
80. 23502-3800 803.33 (8)
81. 23454-2418 797.15 (8)
82. 22911-8844 795.69 (8)
83. 20109-5622 771.25 (7)
84. 22205-3601 766.51 (7)
85. 24592-1662 723.14 (7)
86. 24018 722.16 (7)
87. 20110-4404 720.58 (7)
88. 23454-2409 712.36 (7)
89. 20186-3027 708.71 (7)
90. 23226-2615 695.38 (7)
91. 22030-4738 689.48 (6)
92. 22031-4628 673.37 (6)
93. 22003-6800 671.45 (6)
94. 22630-3512 669.23 (7)
95. 20190-5896 664.95 (6)
96. 20176-8260 640.26 (6)
97. 24501-2661 631.67 (7)
98. 24501-1111 622.23 (6)
99. 23502-3933 619.15 (6)
100. 23226-3792 618.92 (6)
101. 24014-1010 616.14 (6)
102. 23601-2548 614.64 (6)
103. 23229-5205 613.59 (6)
104. 23602-4414 612.60 (6)
105. 23320-1706 612.05 (6)
106. 23226-1934 610.49 (6)
107. 23707-3213 609.58 (6)
108. 22191-3908 608.21 (6)
109. 23116-3865 606.27 (6)
110. 23230-4911 606.23 (6)
111. 20186 605.79 (6)
112. 22192-4704 604.89 (6)
113. 24060-7023 604.43 (6)
114. 23226-1930 602.06 (6)
115. 23805-9274 589.95 (6)
116. 23226-1926 583.04 (6)
117. 22031-4621 579.98 (5)
118. 22033-1744 579.88 (5)
119. 24266 578.38 (6)
120. 22031-5207 569.61 (5)
121. 22030-7406 568.24 (5)
122. 22306 562.74 (5)
123. 22042-1205 561.54 (5)

124. 22033-1710 556.83 (5)
125. 20110-4418 526.60 (5)
126. 23703-3200 515.51 (5)
127. 23230-1714 514.09 (5)
128. 23601-2344 514.00 (5)
129. 23510-1065 512.95 (5)
130. 23225-5545 512.58 (5)
131. 22401-8425 511.07 (5)
132. 24073 510.07 (5)
133. 23188-5727 509.80 (5)
134. 23320-4985 509.57 (5)
135. 23454-3071 509.33 (5)
136. 20186-3026 509.23 (5)
137. 24501-1118 507.06 (5)
138. 24112-1929 506.83 (5)
139. 24017-2500 504.73 (5)
140. 23502-1871 503.55 (5)
141. 23707-3236 503.30 (5)
142. 23708-2111 503.17 (5)
143. 23230-1726 499.98 (5)
144. 23606-4430 498.85 (5)
145. 23112-2107 497.33 (5)
146. 24541-2922 497.28 (5)
147. 23434-8038 496.86 (5)
148. 23229-4605 491.59 (5)
149. 20110 489.59 (5)
150. 22601-4153 488.86 (5)
151. 22601-3834 487.74 (5)
152. 24014 487.47 (5)
153. 22401-3377 486.08 (5)
154. 22601-3870 475.15 (5)
155. 24014-3632 467.45 (5)
156. 22204-1064 458.35 (4)
157. 22205-3610 457.37 (4)
158. 22401 454.22 (5)
159. 20191-1555 452.40 (4)
160. 20190-3219 444.72 (4)
161. 22031-4617 440.74 (4)
162. 20176-8100 423.42 (4)
163. 22192-8303 421.10 (4)
164. 23114-3201 415.39 (4)
165. 23601-3102 415.09 (4)
166. 24501-1443 414.61 (4)
167. 23505-4604 413.73 (4)
168. 23249-0001 413.54 (4)
169. 24014-2465 413.13 (4)
170. 23220 412.79 (4)
171. 22601-3322 412.74 (4)
172. 23435-3315 411.87 (4)
173. 24153 411.82 (4)

174. 23510-1005 411.75 (4) 198. 23298-5058 397.31 (4)
175. 24541-4160 410.55 (4) 199. 23666-6080 394.87 (4)
176. 24211 409.87 (4) 200. 23321-5260 393.60 (4)
177. 23847-1240 409.74 (4) 201. 23901-1199 392.68 (4)
178. 23223-7071 409.20 (4) 202. 23227-1149 392.47 (4)
179. 22701-3979 409.14 (4) 203. 23235-4871 392.36 (4)
180. 23454-6604 408.62 (4) 204. 23320-1602 391.20 (4)
181. 23666-5963 408.44 (4) 205. 23452 390.24 (4)
182. 23666 408.13 (4) 206. 23502-2964 390.05 (4)
183. 23235-1979 407.95 (4) 207. 23116-1813 389.60 (4)
184. 23606-3585 405.93 (4) 208. 23225-4067 387.84 (4)
185. 23434-8151 405.89 (4) 209. 22401-3000 387.15 (4)
186. 24018-6438 404.19 (4) 210. 23112-4280 379.32 (4)
187. 22191-3300 403.45 (4) 211. 24112-1900 377.39 (4)
188. 20176-5179 403.39 (4) 212. 24333-2227 376.58 (4)
189. 23502-3931 403.19 (4) 213. 24382-1044 362.79 (4)
190. 22801 402.90 (4) 214. 22182-3873 345.56 (3)
191. 23805-9289 402.56 (4) 215. 22205-3684 344.11 (3)
192. 23116-1804 401.99 (4) 216. 22033-1759 341.49 (3)
193. 23060-3327 401.29 (4) 217. 24503-2030 341.38 (4)
194. 22042-1206 401.07 (4) 218. 22304-2415 339.69 (3)
195. 22191-3311 400.24 (4) 219. 22306-3415 339.21 (3)
196. 22902-4856 400.09 (4) 220. 22310 338.57 (3)
197. 22401-3357 398.19 (4) 221. 22311-1723 337.03 (3)
222. 22304-1311 336.27 (3)
223. 22180-4626 332.06 (3)

224. 22079-4733 329.52 (3) 248. 23505-4614 303.48 (3)
225. 22031-2238 328.00 (3) 249. 20176-2700 303.42 (3)
226. 23454-2444 315.22 (3) 250. 24060-7017 303.40 (3)
227. 23320-1614 312.48 (3) 251. 23116-1815 303.36 (3)
228. 23606-4425 311.55 (3) 252. 23235-4765 302.99 (3)
229. 22401-3511 310.69 (3) 253. 23229 302.89 (3)
230. 22401-8402 310.65 (3) 254. 23435 302.77 (3)
231. 23235-4722 310.52 (3) 255. 23116-2329 302.76 (3)
232. 23454-2406 310.46 (3) 256. 23116-1816 302.62 (3)
233. 23805-9252 310.09 (3) 257. 23834-2827 301.87 (3)
234. 23455-5500 310.04 (3) 258. 22601-2873 301.52 (3)
235. 23510-1064 309.93 (3) 259. 23112-2170 301.36 (3)
236. 22408-1939 309.90 (3) 260. 24614-6975 301.25 (3)
237. 23507-1970 308.96 (3) 261. 24354 301.05 (3)
238. 22801-3750 308.91 (3) 262. 22401-3323 300.98 (3)
239. 20109-5688 307.70 (3) 263. 24501-1460 299.52 (3)
240. 24273-1620 307.12 (3) 264. 22901-1456 296.43 (3)
241. 22835-1016 306.50 (3) 265. 24273-1600 294.44 (3)
242. 23970-1614 305.93 (3) 266. 23834-1765 294.37 (3)
243. 23454-2426 305.51 (3) 267. 22701-3919 293.13 (3)
244. 22801-3248 304.80 (3) 268. 22191 290.88 (3)
245. 24301-2335 304.43 (3) 269. 24541 290.88 (3)
246. 24592 303.85 (3) 270. 23226 290.45 (3)
247. 23606-1998 303.50 (3) 271. 23294 285.50 (3)
 272. 22031-4323 229.90 (2)
 273. 22334-0001 229.44 (2)

274. 22031-2207 229.12 (2)
275. 22003 228.57 (2)
276. 20190 228.46 (2)
277. 22205-3686 227.74 (2)
278. 22306-3209 227.72 (2)
279. 22042 225.69 (2)
280. 22302-2607 221.27 (2)
281. 20191-3432 220.82 (2)
282. 22306-3171 220.11 (2)
283. 22311-1715 219.42 (2)
284. 22042-1262 218.80 (2)
285. 22033-1709 216.73 (2)
286. 20170-4532 216.66 (2)
287. 22205 216.34 (2)
288. 20176-6820 212.70 (2)
289. 20109-2885 211.10 (2)
290. 22003-1229 209.53 (2)
291. 22908-0816 209.02 (2)
292. 23454-2432 208.76 (2)
293. 23320-4931 208.70 (2)
294. 22903-0001 208.64 (2)
295. 24301 208.59 (2)
296. 23606 208.02 (2)
297. 22401-3387 207.98 (2)
298. 24541-4100 207.91 (2)
299. 23236-4500 207.86 (2)
300. 22408 207.67 (2)
301. 24018-9108 207.60 (2)
302. 24112-3225 207.54 (2)
303. 20186-2639 207.53 (2)
304. 23188-5712 207.50 (2)
305. 22192-2495 207.43 (2)
306. 24592-5200 207.29 (2)
307. 24445-2921 207.19 (2)
308. 23901-1131 207.03 (2)
309. 23454-2440 206.95 (2)
310. 23320-0302 206.79 (2)
311. 23606-3069 206.49 (2)
312. 23298-5049 206.33 (2)
313. 24060-7013 206.01 (2)
314. 24273-2606 205.99 (2)
315. 23805-9313 205.93 (2)
316. 24541-2927 205.85 (2)
317. 22601-3342 205.83 (2)
318. 24501 205.75 (2)
319. 23803 205.74 (2)
320. 23834-2323 205.74 (2)
321. 23226-1935 205.67 (2)
322. 24219-3350 205.56 (2)
323. 24382-1094 205.37 (2)

324. 20155-3257 205.36 (2)
325. 24153-7026 205.36 (2)
326. 22903-9353 205.16 (2)
327. 24641-1102 205.14 (2)
328. 23298-0050 204.94 (2)
329. 23805-9283 204.93 (2)
330. 22939 204.77 (2)
331. 24112-2014 204.56 (2)
332. 22207-3558 204.20 (2)
333. 23185 204.16 (2)
334. 23834-3621 204.11 (2)
335. 20110-4741 204.08 (2)
336. 23434-8470 203.99 (2)
337. 23298-0677 203.97 (2)
338. 24112-3700 203.91 (2)
339. 23860-5141 203.82 (2)
340. 23226-2553 203.73 (2)
341. 20110-3866 203.66 (2)
342. 24450-2718 203.47 (2)
343. 24501-1122 203.36 (2)
344. 24592-1630 203.01 (2)
345. 22701-3917 202.98 (2)
346. 23970-1422 202.70 (2)
347. 23294-4378 202.43 (2)
348. 22601-3010 202.34 (2)
349. 24641-2055 202.20 (2)
350. 24641 202.14 (2)
351. 23875-1268 202.08 (2)
352. 23320-1713 201.73 (2)
353. 23112 201.72 (2)
354. 23188-2865 201.46 (2)
355. 23188 201.25 (2)
356. 20165-5876 201.16 (2)
357. 23220-4459 201.16 (2)
358. 23602-2017 201.02 (2)
359. 23230-2519 200.74 (2)
360. 23847-1217 200.69 (2)
361. 23225-4072 200.42 (2)
362. 23704-3820 200.03 (2)
363. 23236-4521 199.42 (2)
364. 22401-7229 199.35 (2)
365. 24018-3582 199.24 (2)
366. 23456-0178 198.64 (2)
367. 23235-4458 198.62 (2)
368. 24641-1100 198.50 (2)
369. 23116-3847 198.34 (2)
370. 24605-9209 198.34 (2)
371. 22911-4601 198.32 (2)
372. 24293 197.52 (2)
373. 23454-4380 197.52 (2)

474. 20166-6512 106.31 (1)
475. 22031-5216 106.23 (1)
476. 22204-6226 105.74 (1)
477. 22101-3953 105.47 (1)
478. 24445-0750 105.46 (1)
479. 23434 105.27 (1)
480. 22193 105.08 (1)
481. 22204-1087 105.04 (1)
482. 22304-2907 104.98 (1)
483. 23188-5716 104.97 (1)
484. 22554-8908 104.81 (1)
485. 20147 104.65 (1)
486. 22408-7762 104.50 (1)
487. 23320-1609 104.47 (1)
488. 23435-3327 104.47 (1)
489. 22911-4628 104.41 (1)
490. 23851-1226 104.36 (1)
491. 23602-4404 104.35 (1)
492. 24073-6345 104.33 (1)
493. 23805-9211 104.28 (1)
494. 24210-0000 104.27 (1)
495. 23324-2431 104.25 (1)
496. 23220-4220 104.25 (1)
497. 24171-1019 104.24 (1)
498. 23294-4222 104.23 (1)
499. 24277-1808 104.22 (1)
500. 23059 104.21 (1)
501. 20171 104.20 (1)
502. 23454-3037 104.19 (1)
503. 23834-5205 104.19 (1)
504. 22408-7760 104.15 (1)
505. 23851-1235 104.15 (1)
506. 23220-2718 104.15 (1)
507. 23970-1631 104.15 (1)
508. 23316 104.14 (1)
509. 23233-1158 104.14 (1)
510. 23321-5535 104.13 (1)
511. 22601-4146 104.12 (1)
512. 22630-2660 104.12 (1)
513. 23464-5252 104.08 (1)
514. 23602-4486 104.08 (1)
515. 23235-1988 104.07 (1)
516. 23320-4516 104.05 (1)
517. 23464-2700 104.04 (1)
518. 22311-1404 104.02 (1)
519. 23114-4680 104.02 (1)
520. 23320-4986 104.02 (1)
521. 23112-4070 104.02 (1)
522. 24121-2577 104.02 (1)
523. 23508-1742 104.00 (1)

574. 24211-5197 103.42 (1)
575. 23666-2430 103.40 (1)
576. 24101-3943 103.40 (1)
577. 22102-3109 103.38 (1)
578. 23507 103.35 (1)
579. 23435-3726 103.35 (1)
580. 24244-9726 103.35 (1)
581. 24651-9700 103.35 (1)
582. 24073-6575 103.35 (1)
583. 23235-3220 103.35 (1)
584. 20176-5101 103.35 (1)
585. 23185-5229 103.35 (1)
586. 23320-5054 103.35 (1)
587. 24523-1213 103.35 (1)
588. 23223-5311 103.35 (1)
589. 23707-3321 103.35 (1)
590. 23805-9280 103.35 (1)
591. 22911-8607 103.35 (1)
592. 23860-2618 103.35 (1)
593. 24112 103.35 (1)
594. 23510-1907 103.35 (1)
595. 24136-3678 103.32 (1)
596. 23834-1764 103.31 (1)
597. 23704-2415 103.31 (1)
598. 24541-2301 103.23 (1)
599. 23456-0167 103.10 (1)
600. 24293-6904 103.08 (1)
601. 23464-3611 103.05 (1)
602. 20147-3173 103.02 (1)
603. 23970-2107 102.94 (1)
604. 23116-3863 102.91 (1)
605. 22192-4644 102.76 (1)
606. 23464-3808 102.74 (1)
607. 22191-3346 102.72 (1)
608. 20110-3863 102.71 (1)
609. 22482-3845 102.66 (1)
610. 24283-1267 102.60 (1)
611. 23455-6405 102.57 (1)
612. 22033-2626 102.54 (1)
613. 22191-3317 102.54 (1)
614. 20105-0000 102.54 (1)
615. 24605-2026 102.54 (1)
616. 23708 102.54 (1)
617. 23114-0002 102.45 (1)
618. 20110-4414 102.44 (1)
619. 23120-1369 102.40 (1)
620. 23847-1242 102.31 (1)
621. 22060-5901 102.30 (1)
622. 23601 102.28 (1)
623. 24009-2281 102.26 (1)

624. 23669-3584 102.22 (1) 648. 23226-2438 101.80 (1)
625. 22311-2034 102.20 (1) 649. 23860-2503 101.80 (1)
626. 23707-2405 102.20 (1) 650. 24551-4662 101.74 (1)
627. 23455 102.19 (1) 651. 24301-7019 101.72 (1)
628. 23708-2197 102.15 (1) 652. 23803-5149 101.71 (1)
629. 23805-2403 102.13 (1) 653. 23059-3433 101.69 (1)
630. 24013-2256 102.13 (1) 654. 24112-3747 101.68 (1)
631. 23608-3702 102.11 (1) 655. 24631-8723 101.65 (1)
632. 23223-1114 102.10 (1) 656. 24641-2197 101.59 (1)
633. 22560 102.08 (1) 657. 24060 101.43 (1)
634. 24348 102.04 (1) 658. 23868-1615 101.36 (1)
635. 23454-4552 102.03 (1) 659. 23298-0036 101.35 (1)
636. 23220-3306 102.01 (1) 660. 23226-2443 101.34 (1)
637. 24266-4510 101.99 (1) 661. 24605-2002 101.32 (1)
638. 23321-5537 101.99 (1) 662. 23116-1805 101.28 (1)
639. 23320-2642 101.97 (1) 663. 22801-5197 101.26 (1)
640. 23225-4953 101.95 (1) 664. 24084 101.19 (1)
641. 24333-2454 101.95 (1) 665. 22401-8424 101.15 (1)
642. 23462-6544 101.93 (1) 666. 24277-2599 101.11 (1)
643. 24541-4712 101.92 (1) 667. 20147-5248 101.07 (1)
644. 23505-4600 101.91 (1) 668. 23188-5713 101.04 (1)
645. 24014-3316 101.88 (1) 669. 24354-4138 101.03 (1)
646. 24605-2000 101.87 (1) 670. 24219-2752 100.98 (1)
647. 23836-3310 101.82 (1) 671. 23226-3769 100.97 (1)
 672. 22482-3880 100.97 (1)
 673. 24541-2458 100.93 (1)

674. 24354-4221 100.85 (1)
675. 22835-1000 100.84 (1)
676. 24277-2853 100.84 (1)
677. 23666-1564 100.82 (1)
678. 23462-5225 100.81 (1)
679. 23111-3502 100.73 (1)
680. 22601-5178 100.64 (1)
681. 24073-2867 100.62 (1)
682. 23225-1974 100.62 (1)
683. 23704-2413 100.61 (1)
684. 23320-5176 100.56 (1)
685. 24641-2159 100.54 (1)
686. 23834-3620 100.54 (1)
687. 22601-2891 100.53 (1)
688. 20186-3006 100.51 (1)
689. 23322-4043 100.47 (1)
690. 22408-7763 100.38 (1)
691. 23456-0019 100.34 (1)
692. 20176-8425 100.33 (1)
693. 22903-3410 100.29 (1)
694. 24211-7657 100.29 (1)
695. 24211-7665 100.28 (1)
696. 23970-1632 100.24 (1)
697. 23452-3851 100.19 (1)
698. 22601-5841 100.17 (1)
699. 23435-2601 100.14 (1)
700. 24014-1718 100.12 (1)
701. 23220-3200 100.01 (1)
702. 23298-0646 10,0.00 (1)
703. 22939-2350 99.99 (1)
704. 24210-9700 99.97 (1)
705. 24333-2208 99.96 (1)
706. 24018-3727 99.91 (1)
707. 23226-1923 99.91 (1)
708. 22664-1127 99.91 (1)
709. 22401-3311 99.88 (1)
710. 24445 99.85 (1)
711. 20176-1816 99.85 (1)
712. 24171 99.82 (1)
713. 23606-3562 99.80 (1)
714. 23322-6611 99.75 (1)
715. 24541-2425 99.71 (1)
716. 20175 99.62 (1)
717. 23298 99.61 (1)
718. 23114 99.59 (1)
719. 23321-5205 99.55 (1)
720. 23188-2196 99.38 (1)
721. 23226-2920 99.38 (1)
722. 23666-2409 99.34 (1)
723. 24523-1250 99.31 (1)

724. 22405 99.30 (1)
725. 23454-3180 99.28 (1)
726. 20110-4702 99.22 (1)
727. 24266-4430 99.20 (1)
728. 20176-1701 99.18 (1)
729. 24592-2936 99.16 (1)
730. 23229-4920 99.09 (1)
731. 23834-3610 99.06 (1)
732. 24631 99.00 (1)
733. 24354-4224 98.94 (1)
734. 22911-8618 98.94 (1)
735. 22630-3547 98.89 (1)
736. 24016-4418 98.86 (1)
737. 22101-3851 98.84 (1)
738. 24370-3112 98.84 (1)
739. 23225-4038 98.79 (1)
740. 23114-3267 98.78 (1)
741. 23504-1201 98.76 (1)
742. 23185-5645 98.75 (1)
743. 24540-7812 98.73 (1)
744. 23294-4309 98.46 (1)
745. 23188-5736 98.39 (1)
746. 23230-1727 98.35 (1)
747. 22311-5450 98.33 (1)
748. 22192-3618 98.28 (1)
749. 23219-1400 98.27 (1)
750. 23226-2442 98.22 (1)
751. 23666-2487 98.21 (1)
752. 23452-5765 98.20 (1)
753. 24073-6374 98.20 (1)
754. 23298-5048 98.07 (1)
755. 23462-4404 98.06 (1)
756. 23321-5262 98.05 (1)
757. 24112-2802 97.97 (1)
758. 23805-0002 97.84 (1)
759. 24526 97.65 (1)
760. 23690-9640 97.52 (1)
761. 23901-0289 97.50 (1)
762. 23229-4937 97.47 (1)
763. 22309-2300 97.34 (1)
764. 22601-3969 97.21 (1)
765. 24502-3459 97.19 (1)
766. 22902-5376 97.16 (1)
767. 24151-1505 97.09 (1)
768. 24016-3920 97.04 (1)
769. 23294-4373 96.87 (1)
770. 23116 96.77 (1)
771. 23230-1644 96.71 (1)
772. 22556-3831 96.61 (1)
773. 23805-9276 96.61 (1)

824. 23298-0599 86.15 (1)	830. 22401-4436 83.88 (1)
825. 23320-4900 85.33 (1)	831. 23228-6014 83.15 (1)
826. 24016-4719 85.32 (1)	832. 24382 82.95 (1)
827. 22602-3345 84.77 (1)	833. 24201-4495 79.87 (1)
828. 22153-2750 84.71 (1)	834. 24459 79.42 (1)
829. 24153-7304 84.27 (1)	

N.3 Ordered by ZIP codes of interest

Extracting and processing ZIP codes for these cities: List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

- Chesapeake, VA
- Norfolk, VA
- Portsmouth, VA
- Virginia Beach, VA

Presumably these are all South Hampton Roads cities.

1. 23507-1914 3450.23 (34)	13. 23455-6010 815.72 (8)
2. 23507-1904 2084.57 (21)	14. 23320-4941 810.25 (8)
3. 23502-3920 2038.54 (20)	15. 23502-3800 803.33 (8)
4. 23454-3002 1845.64 (18)	16. 23454-2418 797.15 (8)
5. 23462-1815 1742.80 (17)	17. 23454-2409 712.36 (7)
6. 23502-3927 1238.87 (12)	18. 23502-3933 619.15 (6)
7. 23507-1901 1237.54 (12)	19. 23320-1706 612.05 (6)
8. 23320-5041 1214.02 (12)	20. 23707-3213 609.58 (6)
9. 23454 1131.01 (11)	21. 23703-3200 515.51 (5)
10. 23502 1114.72 (11)	22. 23510-1065 512.95 (5)
11. 23454-3064 986.82 (10)	23. 23320-4985 509.57 (5)
12. 23502-3932 900.95 (9)	24. 23454-3071 509.33 (5)
	25. 23502-1871 503.55 (5)

26. 23707-3236 503.30 (5)
27. 23708-2111 503.17 (5)
28. 23505-4604 413.73 (4)
29. 23510-1005 411.75 (4)
30. 23454-6604 408.62 (4)
31. 23502-3931 403.19 (4)
32. 23321-5260 393.60 (4)
33. 23320-1602 391.20 (4)
34. 23452 390.24 (4)
35. 23502-2964 390.05 (4)
36. 23454-2444 315.22 (3)
37. 23320-1614 312.48 (3)
38. 23454-2406 310.46 (3)
39. 23455-5500 310.04 (3)
40. 23510-1064 309.93 (3)
41. 23507-1970 308.96 (3)
42. 23454-2426 305.51 (3)
43. 23505-4614 303.48 (3)
44. 23454-2432 208.76 (2)
45. 23320-4931 208.70 (2)
46. 23454-2440 206.95 (2)
47. 23320-0302 206.79 (2)
48. 23320-1713 201.73 (2)
49. 23704-3820 200.03 (2)
50. 23456-0178 198.64 (2)
51. 23454-4380 197.52 (2)
52. 23451-6106 195.38 (2)
53. 23455-6447 191.04 (2)
54. 23505-4602 187.41 (2)
55. 23703-3205 171.44 (2)
56. 23507-2219 116.09 (1)
57. 23701-2938 112.24 (1)
58. 23462-6521 110.99 (1)
59. 23462-6722 107.46 (1)
60. 23704-2266 106.55 (1)
61. 23455-5545 106.46 (1)
62. 23320-1609 104.47 (1)
63. 23324-2431 104.25 (1)
64. 23454-3037 104.19 (1)
65. 23321-5535 104.13 (1)
66. 23464-5252 104.08 (1)
67. 23320-4516 104.05 (1)
68. 23464-2700 104.04 (1)
69. 23320-4986 104.02 (1)
70. 23508-1742 104.00 (1)
71. 23502-4001 103.82 (1)
72. 23320 103.69 (1)
73. 23707-3915 103.61 (1)
74. 23462-1784 103.50 (1)
75. 23456-0170 103.42 (1)

76. 23507 103.35 (1)
77. 23320-5054 103.35 (1)
78. 23707-3321 103.35 (1)
79. 23510-1907 103.35 (1)
80. 23704-2415 103.31 (1)
81. 23456-0167 103.10 (1)
82. 23464-3611 103.05 (1)
83. 23464-3808 102.74 (1)
84. 23455-6405 102.57 (1)
85. 23708 102.54 (1)
86. 23707-2405 102.20 (1)
87. 23455 102.19 (1)
88. 23708-2197 102.14 (1)
89. 23454-4552 102.03 (1)
90. 23321-5537 101.99 (1)
91. 23320-2642 101.97 (1)
92. 23462-6544 101.93 (1)
93. 23505-4600 101.91 (1)
94. 23462-5225 100.81 (1)
95. 23704-2413 100.61 (1)
96. 23320-5176 100.56 (1)
97. 23322-4043 100.47 (1)
98. 23456-0019 100.34 (1)
99. 23452-3851 100.19 (1)
100. 23322-6611 99.75 (1)
101. 23321-5205 99.55 (1)
102. 23454-3180 99.28 (1)
103. 23504-1201 98.76 (1)
104. 23452-5765 98.20 (1)
105. 23462-4404 98.06 (1)
106. 23321-5262 98.05 (1)
107. 23510-1263 96.45 (1)
108. 23502-4143 95.63 (1)
109. 23510-1757 95.19 (1)
110. 23455-6005 94.53 (1)
111. 23505-0000 88.25 (1)
112. 23320-7606 88.14 (1)
113. 23462-1752 87.86 (1)
114. 23320-4900 85.33 (1)

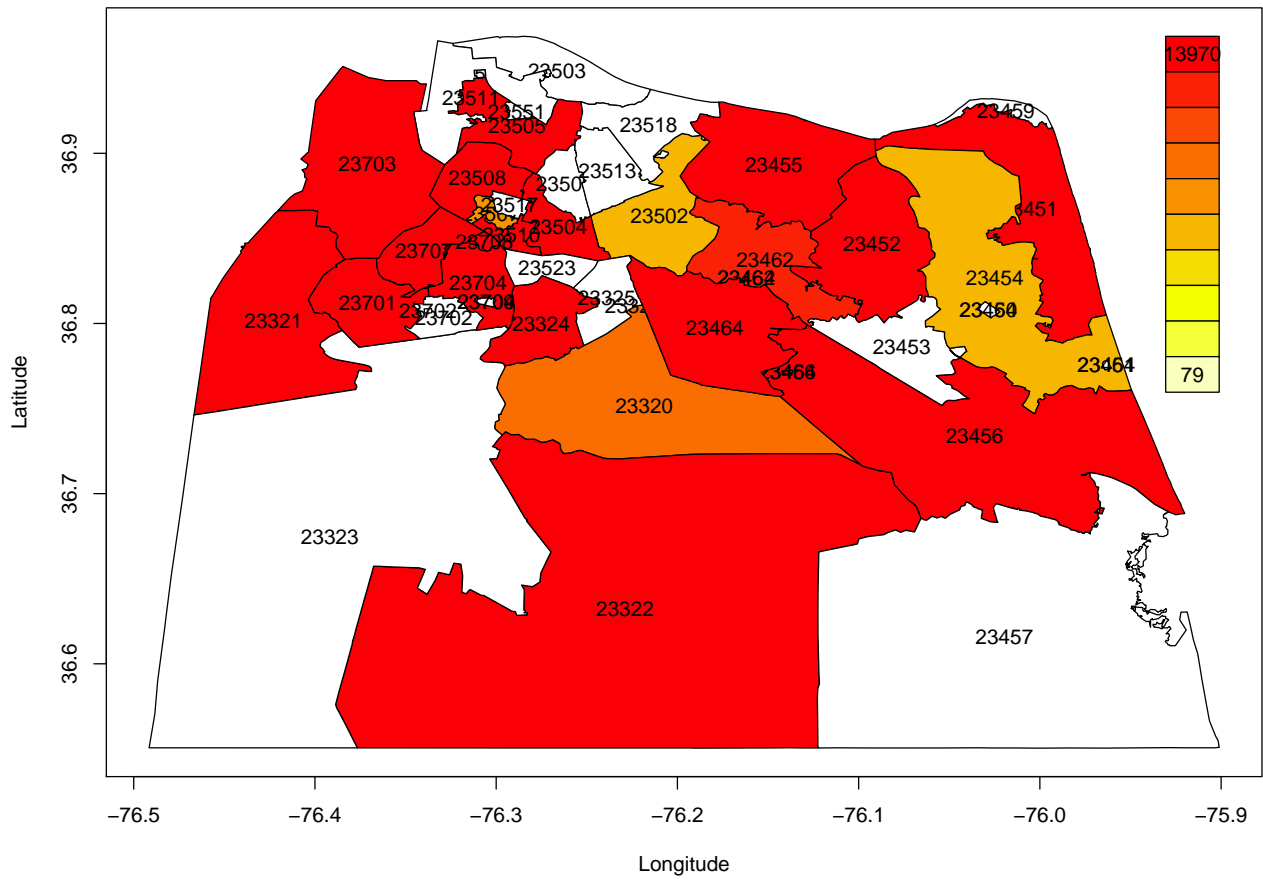


Figure 34: 99222 heat map for selected ZIP codes. Heat map is for the ZIP codes of selected cities.

O J2550

Injection, promethazine hcl, up to 50 mg

O.1 Ordered by state

List is ordered by state with greatest Medicare dollar payment for this procedure, followed by the amount, the number of payments made, then the average payment for that state.

1. TX 175.89 (150) 1	22. IL 8.16 (7) 1
2. CA 148.11 (124) 1	23. MD 7.44 (6) 1
3. AL 142.20 (125) 1	24. NV 6.97 (6) 1
4. TN 103.12 (89) 1	25. NY 5.94 (5) 1
5. NC 94.30 (81) 1	26. MO 5.87 (5) 1
6. SC 93.23 (79) 1	27. NE 5.68 (5) 1
7. GA 86.74 (77) 1	28. IA 4.69 (4) 1
8. FL 54.77 (46) 1	29. WA 3.70 (3) 1
9. AR 50.41 (46) 1	30. NJ 3.67 (3) 1
10. MS 47.98 (42) 1	31. PR 3.66 (3) 1
11. KY 33.64 (30) 1	32. ID 2.38 (2) 1
12. MI 29.62 (25) 1	33. CO 2.35 (2) 1
13. LA 28.06 (25) 1	34. OR 1.28 (1) 1
14. VA 25.03 (21) 1 ***	35. SD 1.25 (1) 1
15. OH 23.57 (20) 1	36. AK 1.25 (1) 1
16. OK 19.13 (17) 1	37. PA 1.21 (1) 1
17. IN 18.45 (16) 1	38. UT 1.15 (1) 1
18. KS 13.20 (12) 1	39. DE 1.14 (1) 1
19. WV 11.41 (10) 1	40. MA 1.11 (1) 1
20. NM 9.34 (8) 1	41. HI 1.11 (1) 1
21. AZ 8.33 (7) 1	

O.2 Ordered by VA ZIPs

List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

1. 23606-3069 1.26 (1)	12. 24153 1.21 (1)
2. 22193-1458 1.26 (1)	13. 24522-0666 1.20 (1)
3. 24541 1.25 (1)	14. 24112-8108 1.20 (1)
4. 24112-3747 1.25 (1)	15. 24502-4619 1.19 (1)
5. 24018-3436 1.25 (1)	16. 23453 1.18 (1)
6. 24459 1.24 (1)	17. 23860-2532 1.15 (1)
7. 24121-5281 1.23 (1)	18. 24179-2502 1.14 (1)
8. 24572-5363 1.22 (1)	19. 24112-2014 1.14 (1)
9. 24502-2287 1.22 (1)	20. 24016-4943 1.01 (1)
10. 23606-4562 1.21 (1)	21. 24354-4392 1.00 (1)
11. 22901-1444 1.21 (1)	

O.3 Ordered by ZIP codes of interest

Extracting and processing ZIP codes for these cities: List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

- Chesapeake, VA
- Portsmouth, VA
- Norfolk, VA
- Virginia Beach, VA

Presumably these are all South Hampton Roads cities.

1. 23453 1.18 (1)

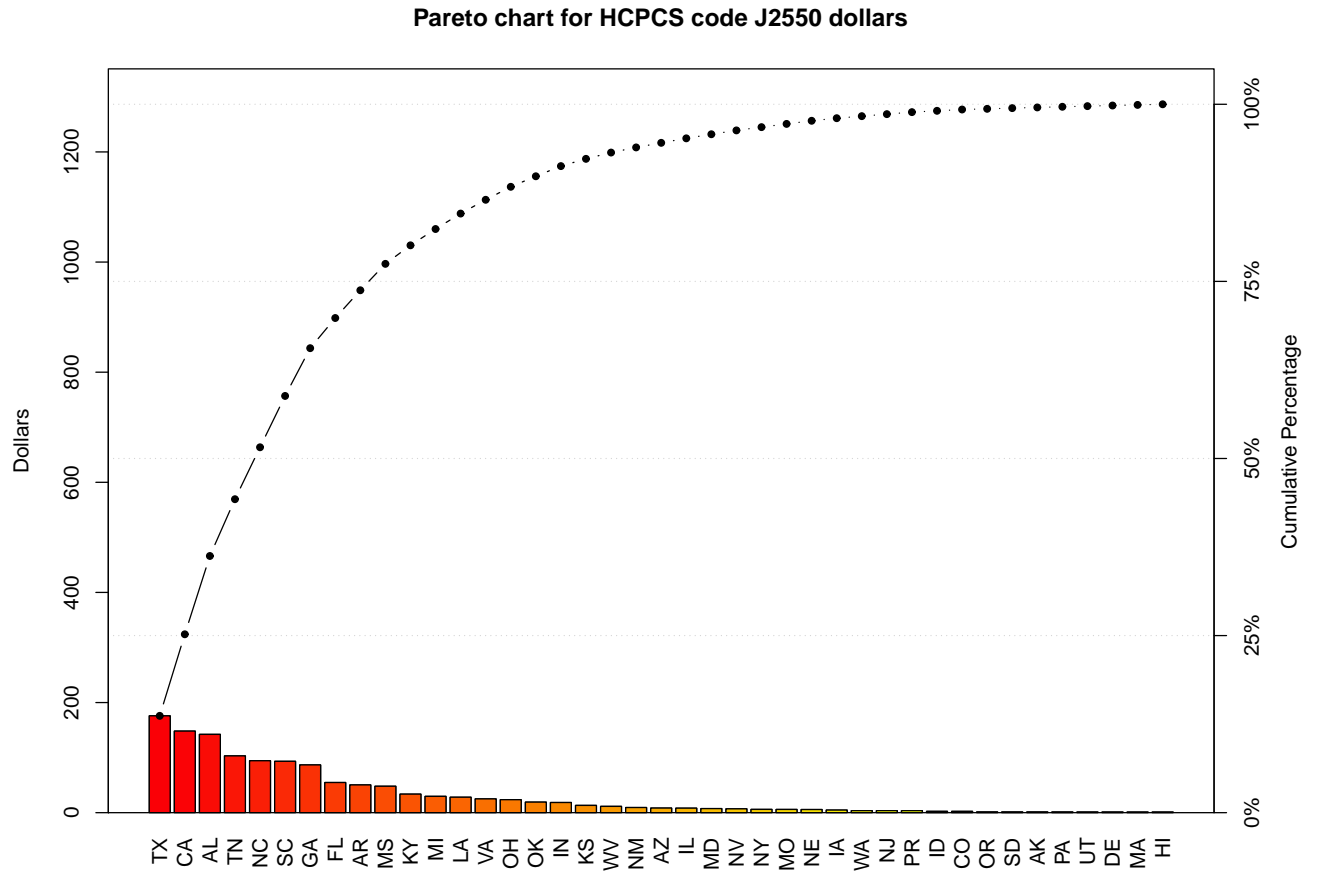


Figure 35: Pareto chart for J2550 dollars for all states. Chart is for all states/territories/possessions reporting.

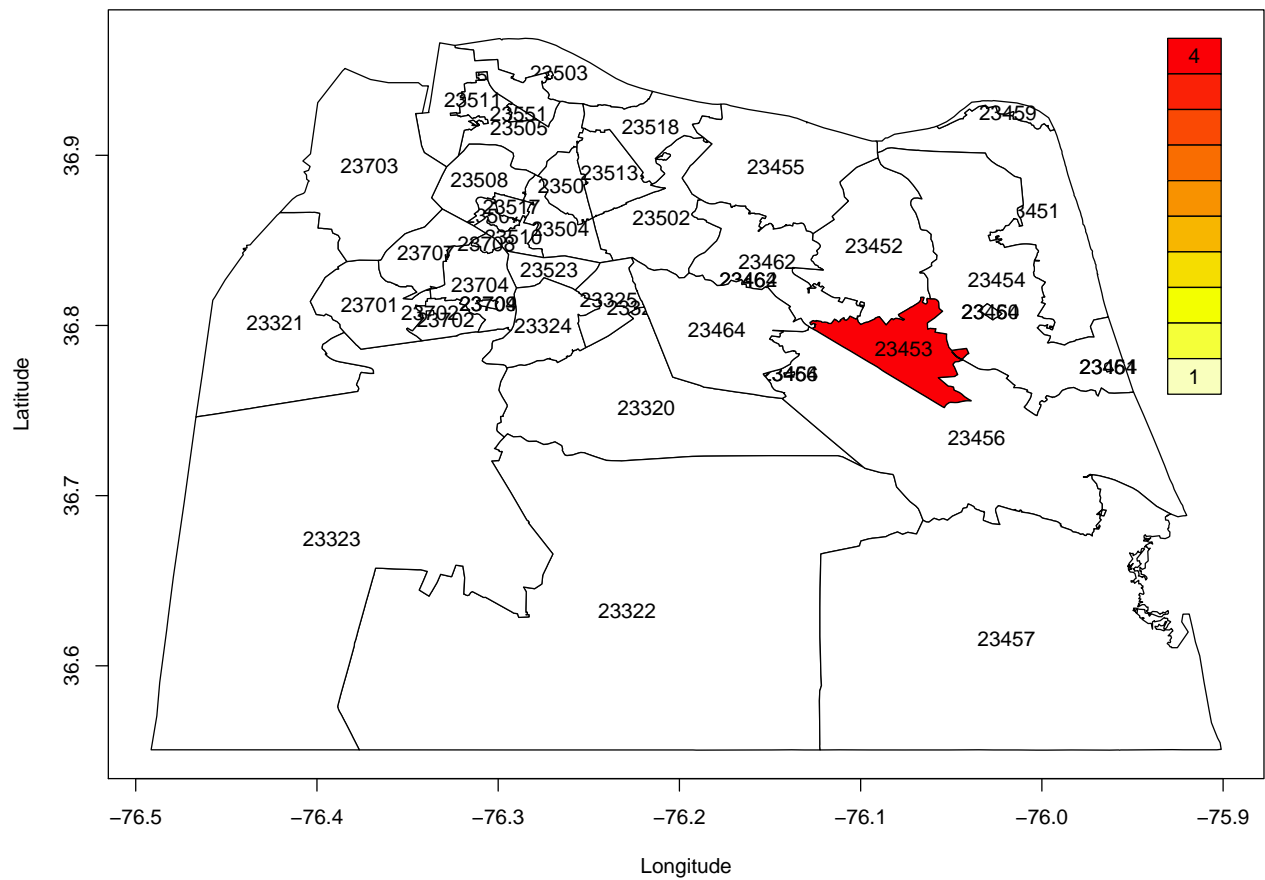


Figure 36: J2550 heat map for selected ZIP codes. Heat map is for the ZIP codes of selected cities.

P J7626

Budesonide, inhalation solution, fda-approved final product, non-compounded, administered through dme, unit dose form, up to 0. 5 mg

P.1 Ordered by state

List is ordered by state with greatest Medicare dollar payment for this procedure, followed by the amount, the number of payments made, then the average payment for that state.

1. CA 82.99 (22) 4	13. IN 4.23 (1) 4
2. TX 21.93 (6) 4	14. TN 4.21 (1) 4
3. LA 16.43 (4) 4	15. UT 4.15 (1) 4
4. NY 16.09 (4) 4	16. GA 4.07 (1) 4
5. NJ 15.66 (5) 3	17. MD 3.88 (1) 4
6. NM 14.96 (4) 4	18. VA 3.86 (1) 4 ***
7. MI 10.87 (3) 4	19. OK 3.82 (1) 4
8. FL 8.41 (2) 4	20. NC 3.76 (1) 4
9. AZ 8.13 (2) 4	21. WA 3.71 (1) 4
10. NV 7.79 (2) 4	22. KS 3.48 (1) 3
11. IL 7.28 (2) 4	23. PA 3.41 (1) 3
12. OH 6.60 (2) 3	

P.2 Ordered by VA ZIPs

List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

1. 24522-0666 3.86 (1)

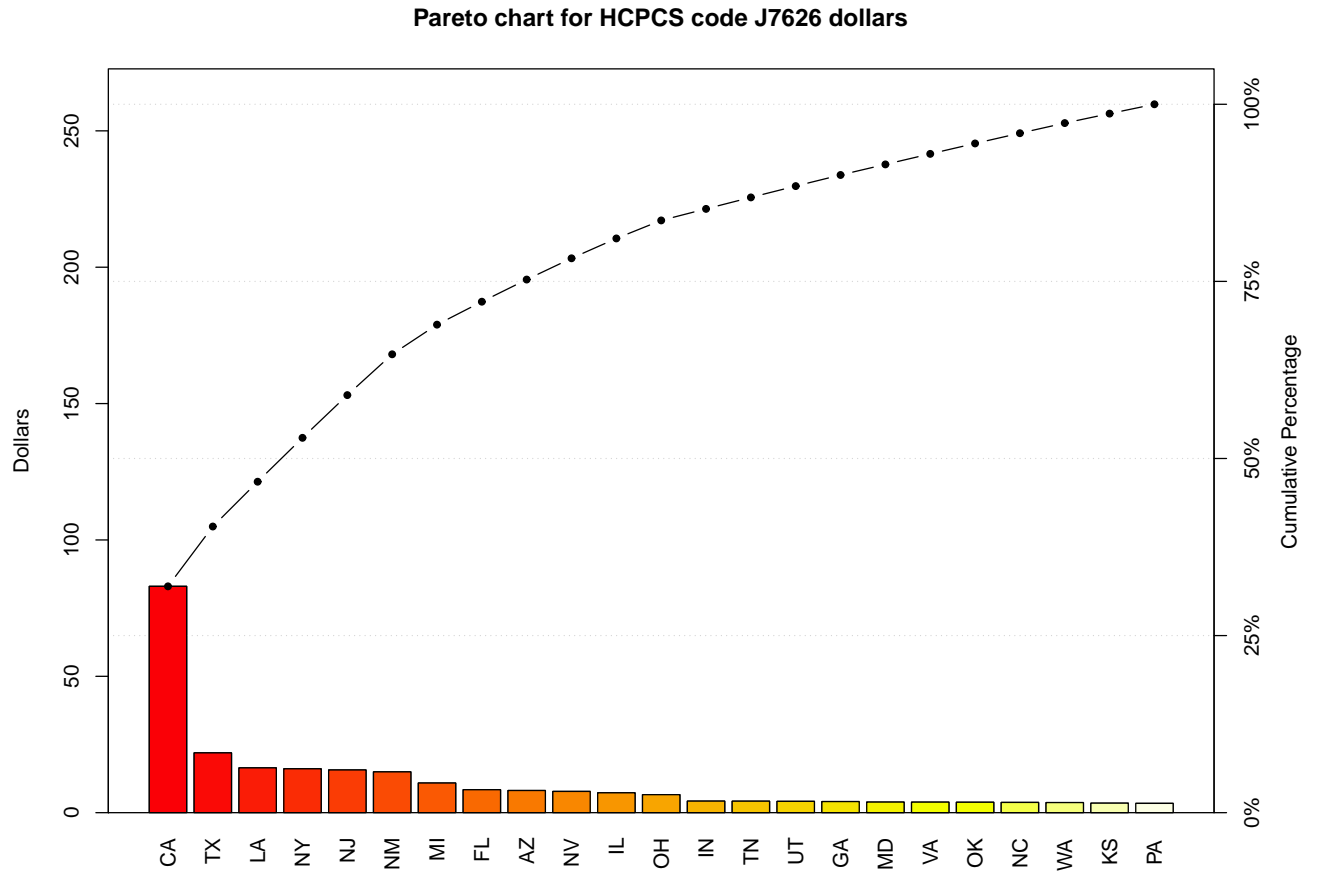


Figure 37: Pareto chart for J7626 dollars for all states. Chart is for all states/territories/possessions reporting.

P.3 Ordered by ZIP codes of interest

Extracting and processing ZIP codes for these cities: List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

- Chesapeake, VA
- Portsmouth, VA
- Norfolk, VA
- Virginia Beach, VA

Presumably these are all South Hampton Roads cities.

No data records found in ZIP codes of interest.

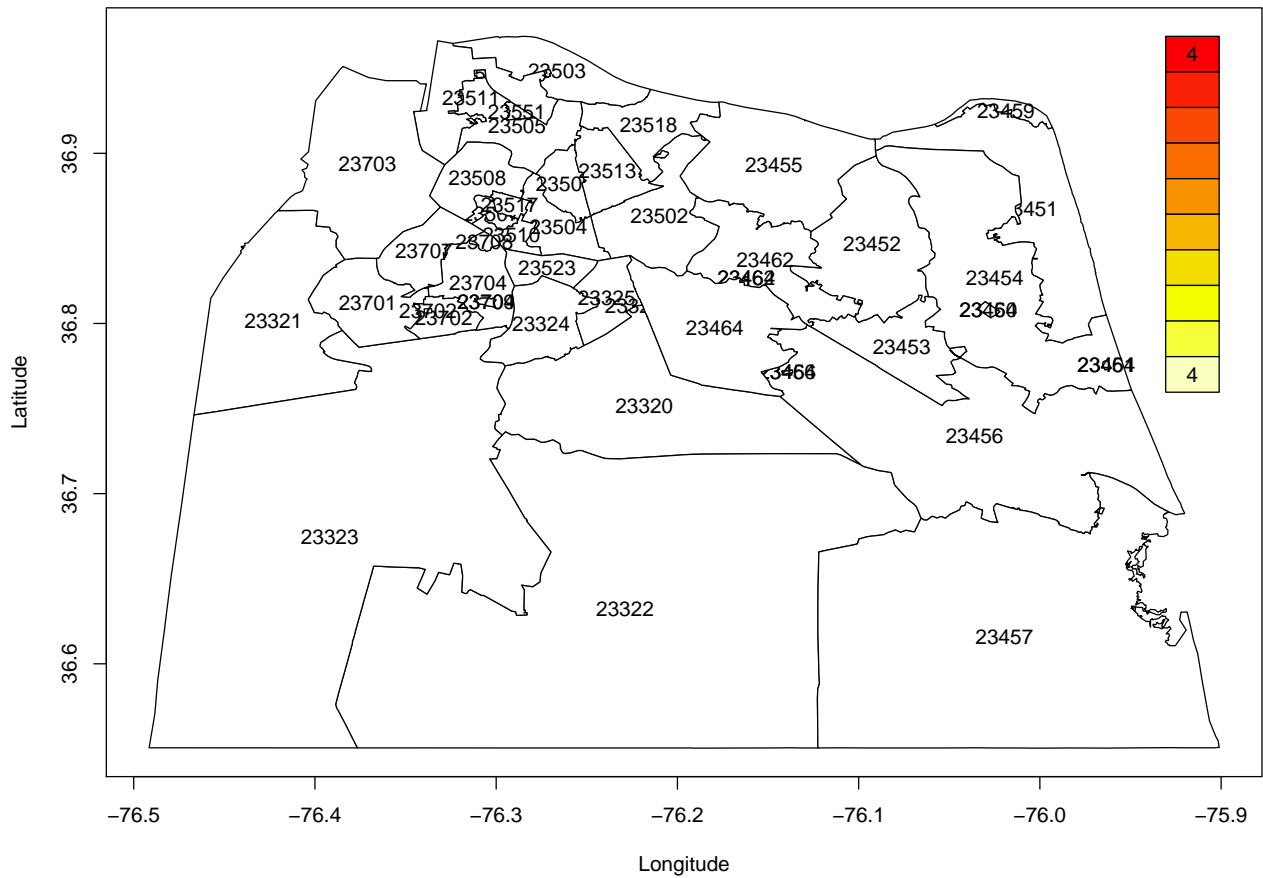


Figure 38: J7626 heat map for selected ZIP codes. Heat map is for the ZIP codes of selected cities.

Q J9206

Injection, irinotecan, 20 mg

Q.1 Ordered by state

List is ordered by state with greatest Medicare dollar payment for this procedure, followed by the amount, the number of payments made, then the average payment for that state.

1. FL 83.77 (29) 3	15. KS 13.66 (5) 3
2. IL 51.69 (18) 3	16. TX 11.39 (4) 3
3. NY 39.77 (14) 3	17. AZ 10.99 (4) 3
4. VA 31.26 (11) 3 ***	18. SC 10.79 (4) 3
5. OK 31.17 (11) 3	19. LA 10.68 (4) 3
6. AR 22.71 (8) 3	20. IA 8.82 (3) 3
7. PA 21.66 (8) 3	21. MS 8.44 (3) 3
8. AL 20.62 (7) 3	22. TN 5.96 (2) 3
9. MI 20.44 (7) 3	23. NV 5.52 (2) 3
10. MD 20.15 (7) 3	24. CT 5.32 (2) 3
11. IN 19.57 (7) 3	25. MD 5.21 (2) 3
12. NC 17.96 (6) 3	26. MN 2.82 (1) 3
13. CA 17.11 (6) 3	27. NE 2.66 (1) 3
14. NJ 14.05 (5) 3	28. ND 1.72 (1) 2

Q.2 Ordered by VA ZIPs

List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

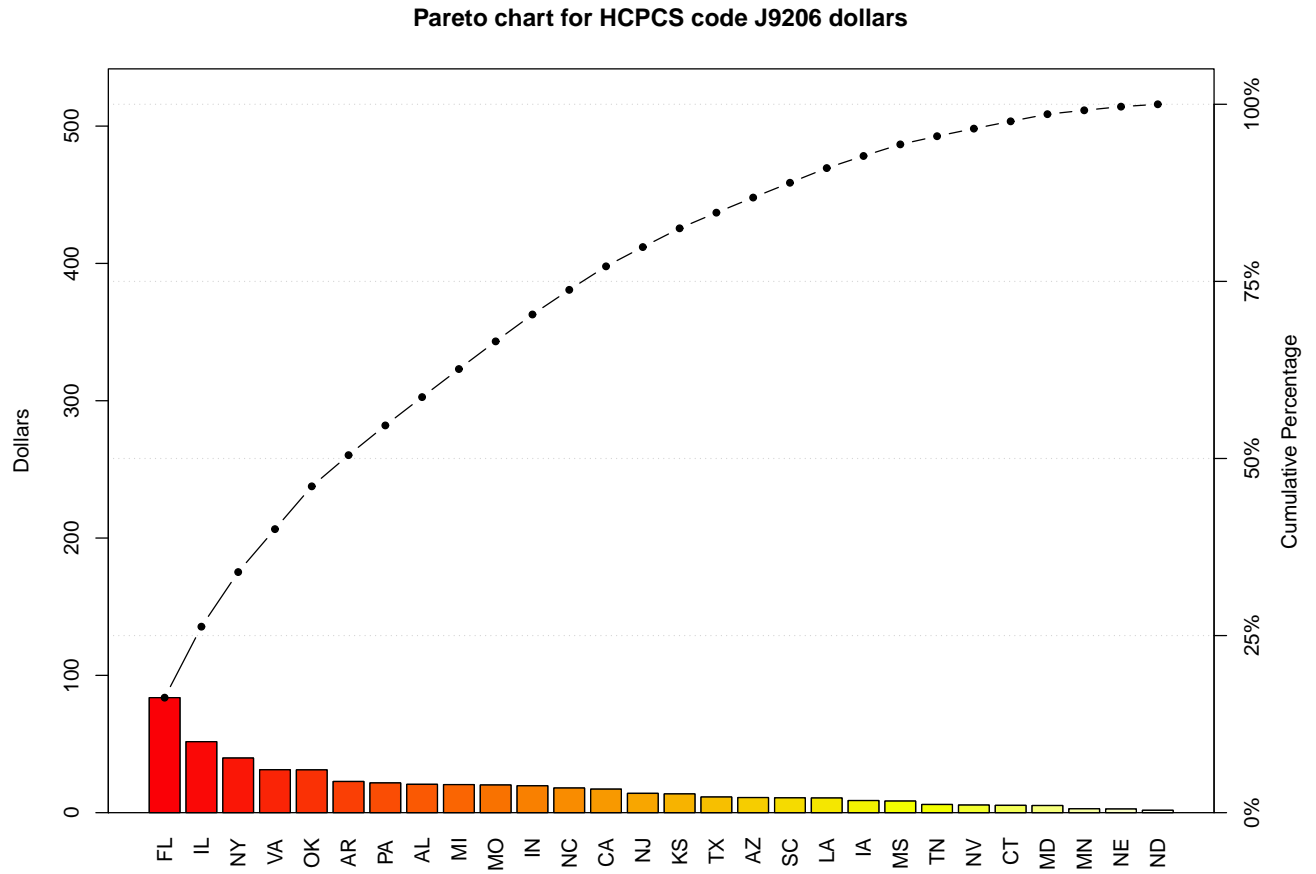


Figure 39: Pareto chart for J9206 dollars for all states. Chart is for all states/territories/possessions reporting.

- | | |
|------------------------|------------------------|
| 1. 23606-3069 6.07 (2) | 5. 23456-0019 3.00 (1) |
| 2. 23230-1714 5.51 (2) | 6. 23606-2981 2.93 (1) |
| 3. 23502-1871 5.35 (2) | 7. 22601-2873 2.71 (1) |
| 4. 23235-4730 3.02 (1) | 8. 24153-7474 2.66 (1) |

Q.3 Ordered by ZIP codes of interest

Extracting and processing ZIP codes for these cities: List is ordered by ZIP code with greatest Medicare dollar payment for this procedure, followed by the amount, and then the number of payments made.

- | | |
|------------------|----------------------|
| • Chesapeake, VA | • Portsmouth, VA |
| • Norfolk, VA | • Virginia Beach, VA |

Presumably these are all South Hampton Roads cities.

- | | |
|------------------------|------------------------|
| 1. 23502-1871 5.35 (2) | 2. 23456-0019 3.00 (1) |
|------------------------|------------------------|

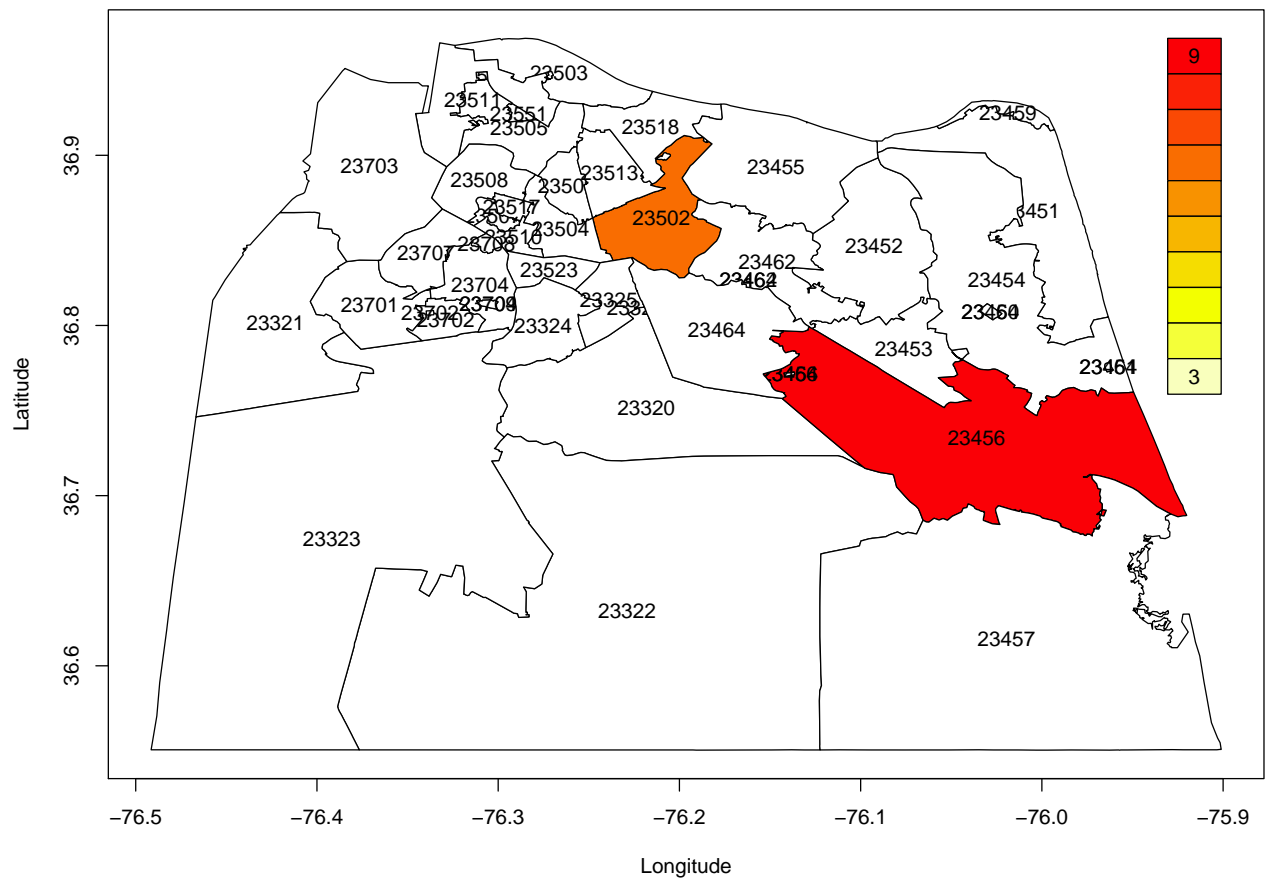


Figure 40: J9206 heat map for selected ZIP codes. Heat map is for the ZIP codes of selected cities.

R Healthcare Common Procedure Coding System (HCPCS) Codes

A complete list of 2,490 HCPCS codes contained in the Medicare database is reported (see Table 2).

Table 2: Healthcare Common Procedure Coding System (HCPCS) codes. A set of health care procedure codes based on the American Medical Association's Current Procedural Terminology (CPT).

Code	Explanation
00103	Anesthesia for procedure on eyelid
00104	Anesthesia for electric shock treatment
00140	Anesthesia for procedure on eye
00142	Anesthesia for lens surgery
00144	Anesthesia for procedure on eye for corneal transplant
00145	Anesthesia for retinal surgery
00160	Anesthesia for procedure on nose and sinus
00170	Anesthesia for procedure on mouth including biopsy
00210	Anesthesia for procedure on brain
00300	Anesthesia for procedure on esophagus and neck
00320	Anesthesia for procedure on esophagus and neck, age 1 year or older
00350	Anesthesia for procedure of major blood vessels of neck
00400	Anesthesia for procedure on skin of arms legs or trunk
00402	Anesthesia for breast reconstruction
00410	Anesthesia for procedure to correct abnormal heart rhythm
00520	Anesthesia for procedure in chest
00530	Anesthesia for insertion of permanent heart pacemaker
00532	Anesthesia for central vein access
00534	Anesthesia for insertion or replace of pacing heart defibrillator
00537	Anesthesia for procedure on heart to correct abnormal rhythm
00541	Anesthesia for procedure in chest with 1 lung ventilation
00560	Anesthesia for procedure on heart and great blood vessels

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
00562	Anesthesia for procedure on heart and great blood vessels on heart-lung machine, age 1 year or older, or re-operation more than 1 month after original procedure
00563	Anesthesia for procedure on heart and great blood vessels on heart-lung machine
00566	Anesthesia for heart artery bypass grafting
00567	Anesthesia for heart artery bypass grafting on heart-lung machine
00600	Anesthesia for procedure on upper spine and spinal cord
00620	Anesthesia for procedure on middle spine and spinal cord
00630	Anesthesia for procedure on lower spine
00635	Anesthesia for spinal tap
00670	Anesthesia for procedure of spine and spinal cord
00740	Anesthesia for procedure on gastrointestinal tract using an endoscope
00752	Anesthesia for procedure to repair upper abdominal incisional hernia
00790	Anesthesia for procedure in upper abdomen including use of an endoscope
00797	Anesthesia for procedure on stomach for obesity including use of an endoscope
00810	Anesthesia for procedure on lower intestine using an endoscope
00830	Anesthesia for lower abdominal hernia repair
00840	Anesthesia for procedure in lower abdominal cavity including use of an endoscope
00860	Anesthesia for procedure in lower abdomen including urinary tract
00862	Anesthesia for removal of kidney for transplant
00865	Anesthesia for removal of prostate
00868	Anesthesia for kidney transplant
00873	Anesthesia for shock wave therapy for urinary system stones
00902	Anesthesia for procedure on anus and rectum
00910	Anesthesia for procedure on urinary system including use of an endoscope
00912	Anesthesia for removal of urinary bladder tumor including use of an endoscope

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
00914	Anesthesia for removal of prostate including use of an endoscope
00918	Anesthesia for kidney stone including use of an endoscope
00920	Anesthesia for procedure on male genitalia
00940	Anesthesia for vaginal biopsy of cervix, uterine lining, or external genitalia
00942	Anesthesia for repair or removal of vagina and urinary procedure
00952	Anesthesia for examination of uterus using an endoscope
01112	Anesthesia for bone marrow aspiration and/or biopsy at pelvic bone
01210	Anesthesia for surgical procedure on hip joint
01214	Anesthesia for total hip joint replacement
01220	Anesthesia procedure on upper two-thirds of thigh bone
01230	Anesthesia procedure on upper two-thirds of thigh bone
01270	Anesthesia for procedure on arteries of upper leg
01392	Anesthesia for surgical procedure at kneecap and upper foreleg bones
01400	Anesthesia for procedure on knee including using an endoscope
01402	Anesthesia for total knee joint replacement
01470	Anesthesia procedure on nerves, muscles, tendons, and fascia of lower limb
01474	Anesthesia for procedure to repair calf muscle
01480	Anesthesia for procedure on bones of lower leg, ankle and foot
0159T	Computer-aided detection and computer algorithm analysis of breast MRI image data
01610	Anesthesia for procedure on nerves, muscles, tendons, fascia, and bursae of shoulder and underarm
01630	Anesthesia for procedure at upper arm and shoulder joint including use of an endoscope
01638	Anesthesia for total shoulder joint replacement including use of an endoscope
01810	Anesthesia procedure of nerves, muscles, tendons, fascia, and bursae of forearm, wrist, or hand
01830	Anesthesia for surgical procedure on bones of forearm, wrist, or hand including using an endoscope

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
01844	Anesthesia for placement or revision of blood flow shunt
01916	Anesthesia for diagnostic X-ray procedure of arteries or veins
0191T	Internal insertion of eye fluid drainage device
01920	Anesthesia for procedure on heart vessels and chambers
01922	Anesthesia for X-ray or radiation therapy
01924	Anesthesia for X-ray procedure on arteries
01925	Anesthesia for X-ray procedure on neck or heart artery
01926	Anesthesia for X-ray procedure of artery in brain, heart, or major vessel of chest (aorta)
0192T	External insertion of eye fluid drainage device
01930	Anesthesia for X-ray procedure of vein or lymph system
01935	Anesthesia for diagnostic X-ray procedure of spine and spinal cord
01936	Anesthesia for X-ray procedure of spine and spinal cord
0197T	Localization and tracking of target or patient motion during radiation therapy delivery
01991	Anesthesia for nerve block and injection procedure
01992	Anesthesia for nerve block and injection procedure, prone position
01996	Daily hospital management of continuous spinal drug administration
0213T	Injection of upper or middle spine joint or nerve using ultrasound guidance
0214T	Injection of upper or middle spine joint or nerve using ultrasound guidance
0216T	Injection of lower or sacral spine joint or nerve using ultrasound guidance
0217T	Injection of lower or sacral spine joint or nerve using ultrasound guidance
0218T	Injection of lower or sacral spine joint or nerve using imaging guidance
0275T	Removal of lower spine bone for decompression of neural elements using imaging guidance
0296T	External EKG recording for more than 48 hours up to 21 days
0298T	Review and interpretation of external EKG recording for more than 48 hours up to 21 days

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
10021	Fine needle aspiration
10022	Fine needle aspiration using imaging guidance
10040	Acne surgery
10060	Drainage of abscess
10061	Drainage of multiple abscess
10120	Removal of foreign body from tissue
10140	Drainage of blood or fluid accumulation
10160	Aspiration of abscess, blood accumulation, blister, or cyst
11000	Removal of inflamed or infected skin
11006	Removal of infected skin, tissue or muscle of genitals, perineum, or abdomen
11042	Removal of skin and tissue first 20 sq cm or less
11043	Removal of skin and muscle first 20 sq cm or less
11044	Removal of skin and bone first 20 sq cm or less
11045	Removal of skin and tissue each additional 20 sq cm or part thereof
11046	Removal of skin and muscle each additional 20 sq cm or part thereof
11047	Removal of skin and bone each additional 20 sq cm or part thereof
11055	Removal of single thickened skin growth
11056	Removal of 2 to 4 thickened skin growths
11057	Removal of more than 4 thickened skin growths
11100	Biopsy of single growth of skin, tissue, or mouth
11101	Biopsy of each additional growth of skin, tissue, or mouth
11200	Removal of up to 15 skin tags
11300	Shaving of 0.5 centimeters or less skin growth of the trunk, arms, or legs
11301	Shaving of 0.6 centimeters to 1.0 centimeters skin growth of the trunk, arms, or legs
11302	Shaving of 1.1 to 2.0 centimeters skin growth of the trunk, arms, or legs
11303	Shaving of over 2.0 centimeters skin growth of the trunk, arms, or legs

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
11305	Shaving of 0.5 centimeters or less skin growth of scalp, neck, hands, feet, or genitals
11306	Shaving of 0.6 centimeters to 1.0 centimeters skin growth of scalp, neck, hands, feet, or genitals
11307	Shaving of 1.1 to 2.0 centimeters skin growth of scalp, neck, hands, feet, or genitals
11308	Shaving of over 2.0 centimeters skin growth of scalp, neck, hands, feet, or genitals
11310	Shaving of 0.5 centimeters or less skin growth of face, ears, eyelids, nose, lips, or mouth
11311	Shaving of 0.6 centimeters to 1.0 centimeters skin growth of face, ears, eyelids, nose, lips, or mouth
11312	Shaving of 1.1 to 2.0 centimeters skin growth of face, ears, eyelids, nose, lips, or mouth
11313	Shaving of over 2.0 centimeters skin growth of face, ears, eyelids, nose, lips, or mouth
11400	Removal of growth (0.5 centimeters or less) of the trunk, arms or legs
11401	Removal of growth (0.6 to 1.0 centimeters) of the trunk, arms, or legs
11402	Removal of growth (1.1 to 2.0 centimeters) of the trunk, arms, or legs
11403	Removal of growth (2.1 to 3.0 centimeters) of the trunk, arms, or legs
11404	Removal of growth (3.1 to 4.0 centimeters) of the trunk, arms, or legs
11420	Removal of growth (0.5 centimeters or less) of the scalp, neck, hands, feet, or genitals
11421	Removal of growth (0.6 to 1.0 centimeters) of the scalp, neck, hands, feet, or genitals
11422	Removal of growth (1.1 to 2.0 centimeters) of the scalp, neck, hands, feet, or genitals
11423	Removal of growth (2.1 to 3.0 centimeters) of the scalp, neck, hands, feet, or genitals
11424	Removal of growth (3.1 to 4.0 centimeters) of the scalp, neck, hands, feet, or genitals
11440	Removal of growth (0.5 centimeters or less) of the face, ears, eyelids, nose, lips, or mouth

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
11441	Removal of growth (0.6 to 1.0 centimeters) of the face, ears, eyelids, nose, lips, or mouth
11442	Removal of growth (1.1 to 2.0 centimeters) of the face, ears, eyelids, nose, lips, or mouth
11443	Removal of growth (2.1 to 3.0 centimeters) of face, ears, eyelids, nose, lips, or mouth
11601	Removal of malignant growth (0.6 to 1.0 centimeters) of the trunk, arms, or legs
11602	Removal of malignant growth (1.1 to 2.0 centimeters) of the trunk, arms, or legs
11603	Removal of malignant growth (2.1 to 3.0 centimeters) of the trunk, arms, or legs
11604	Removal of malignant growth (3.1 to 4 centimeters) of the trunk, arms, or legs
11606	Removal of malignant growth (over 4.0 centimeters) of the trunk, arms, or legs
11621	Removal of malignant growth (0.6 to 1.0 centimeters) of the scalp, neck, hands, feet, or genitals
11622	Removal of malignant growth (1.1 to 2.0 centimeters) of the scalp, neck, hands, feet, or genitals
11623	Removal of malignant growth (2.1 to 3.0 centimeters) of the scalp, neck, hands, feet, or genitals
11624	Removal of malignant growth (3.1 to 4 centimeters) of the scalp, neck, hands, feet, or genitals
11641	Removal of malignant growth (0.6 to 1.0 centimeters) of the face, ears, eyelids, nose, or lips
11642	Removal of malignant growth (1.1 to 2.0 centimeters) of the face, ears, eyelids, nose, or lips
11643	Removal of malignant growth (2.1 to 3.0 centimeters) of the face, ears, eyelids, nose, or lips
11719	Trimming of fingernails or toenails
11720	Removal of tissue from 1 to 5 finger or toe nails
11721	Removal of tissue from 6 or more finger or toe nails

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
11730	Separation of nail plate from nail bed
11732	Separation of nail plate from nail bed
11740	Removal of blood accumulation between nail and nail bed
11750	Removal of nail
11755	Biopsy of finger or toe nail
11765	Removal of skin of finger or toe nail
11900	Injection of up to 7 skin growths
11901	Injection of more than 7 skin growths
11960	Insertion of tissue expanders for other than breast
11980	Insertion of hormone pellets into tissue
11981	Insertion of drug delivery implant into tissue
12001	Repair of wound (2.5 centimeters or less) of the scalp, neck, underarms, trunk, arms and/or legs
12002	Repair of wound (2.6 to 7.5 centimeters) of the scalp, neck, underarms, genitals, trunk, arms and/or legs
12011	Repair of wound (2.5 centimeters or less) of the face, ears, eyelids, nose, lips, or mouth
12031	Repair of wound (2.5 centimeters or less) of the scalp, underarms, trunk, arms, or legs
12032	Repair of wound (2.6 to 7.5 centimeters) of the scalp, underarms, trunk, arms, or legs
12034	Repair of wound (7.6 to 12.5 centimeters) of the scalp, underarms, trunk, arms, or legs
12035	Repair of wound (12.6 centimeters to 20.0 centimeters) of the scalp, underarms, trunk, arms, or legs
12041	Repair of wound (2.5 centimeters or less) of neck, hands, feet, or genitals
12042	Repair of wound (2.6 centimeters to 7.5 centimeters) of neck, hands, feet, or genitals
12051	Repair of wound (2.5 centimeters or less) of face, ears, eyelids, nose, lips, or mouth

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
12052	Repair of wound (2.6 centimeters to 5.0 centimeters) of face, ears, eyelids, nose, lips, or mouth
12053	Repair of wound (5.1 centimeters to 7.5 centimeters) of face, ears, eyelids, nose, lips, or mouth
13101	Repair of wound (2.6 centimeters to 7.5 centimeters) of trunk
13102	Repair of wound (5 centimeters or less) of trunk
13121	Repair of wound (2.6 centimeters to 7.5 centimeters) of scalp, arms, or legs
13122	Repair of wound (5 centimeters or less) of scalp, arms, or legs
13131	Repair of wound (1.1 centimeters to 2.5 centimeters) of forehead, cheeks, chin, mouth, neck, underarms, genitals, hands, or feet
13132	Repair of wound (2.6 centimeters to 7.5 centimeters) of forehead, cheeks, chin, mouth, neck, underarms, genitals, hands, or feet
13133	Repair of wound (5 centimeters) of forehead, cheeks, chin, mouth, neck, underarms, genitals, hands, or feet
13151	Repair of wound (1.1 centimeters to 2.5 centimeters) of eyelids, nose, ears, or lips
13152	Repair of wound (2.6 centimeters to 7.5 centimeters) of eyelids, nose, ears, or lips
13160	Second repair of surgical wound
14000	Tissue transfer repair of wound (10 sq centimeters or less) of the trunk
14001	Tissue transfer repair of wound (10.1 sq centimeters to 30.0 sq centimeters) of the trunk
14020	Tissue transfer repair of wound (10 sq centimeters or less) of the scalp, arms, or legs
14021	Tissue transfer repair of wound (10.1 sq centimeters to 30.0 sq centimeters) of the scalp, arms, or legs
14040	Tissue transfer repair of wound (10 sq centimeters or less) of the forehead, cheeks, chin, mouth, neck, underarms, genitals, hands, or feet
14041	Tissue transfer repair of wound (10.1 sq centimeters to 30.0 sq centimeters) of the forehead, cheeks, chin, mouth, neck, underarms, genitals, hands, and/or feet

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
14060	Tissue transfer repair of wound (10 sq centimeters or less) of eyelids, nose, ears, or lips
14061	Tissue transfer repair of wound (10.1 sq centimeters to 30.0 sq centimeters) of eyelids, nose, ears, or lips
14301	Tissue transfer repair of wound (30.1 sq centimeters to 60.0 sq centimeters)
14302	Tissue transfer repair of wound (30.0 sq centimeters)
15002	Preparation of graft site at trunk, arms, or legs (first 100 sq cm or 1% body area infants and children)
15003	Preparation of graft site at trunk, arms, or legs (each additional 100 sq cm, or part thereof, or each additional 1% body area of infants and children)
15004	Preparation of graft site of face, scalp, eyelids, mouth, neck, ears, eye region, genitals, hands, feet, multiple fingers or toes (first 100 sq cm or 1% body area of infants and children)
15100	Skin graft at trunk, arms, or legs (first 100 sq cm or less, or 1% body area of infants and children)
15220	Relocation of patient skin (20 sq centimeters or less) to scalp, arms, or legs
15240	Relocation of patient skin to forehead, cheeks, chin, mouth, neck, underarms, genitals, hands, or feet (20 sq centimeters or less)
15260	Relocation of patient skin to nose, ears, eyelids, and/or lips (20 sq centimeters or less)
15271	Application of skin substitute (wound surface up to 100 sq cm) to trunk, arms, legs (first 25 sq cm or less)
15275	Application of skin substitute (wound surface up to 100 sq cm) to face, scalp, eyelids, mouth, neck, ears, orbits, genitalia, hands, feet and/or multiple digits (first 25 sq cm or less)
15574	Creation of flap graft to forehead, cheeks, chin, mouth, neck, underarms, genitals, hands, or feet
15576	Creation of flap graft to eyelids, nose, ears, lips, or mouth
15732	Muscle flap wound repair at head and neck
15734	Muscle flap wound repair at trunk

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
15738	Muscle flap wound repair of leg
15777	Implantation of biologic implant to soft tissue
15822	Removal of excessive skin of upper eyelid
15823	Removal of excessive skin and fat of upper eyelid
15830	Removal of excessive skin and tissue of abdomen
15860	Injection of agent into vein to assess blood flow of skin graft or flap
17000	Destruction of skin growth
17003	Destruction of multiple skin growths
17004	Destruction of multiple skin growths
17106	Destruction of skin growth (less than 10 sq centimeters)
17110	Destruction of up to 14 skin growths
17111	Destruction of 15 or more skin growths
17250	Application of chemical agent to excessive wound tissue
17260	Destruction of malignant growth (0.5 centimeters) of trunk, arms, or legs
17261	Destruction of malignant growth (0.6 centimeters to 1.0 centimeters) of trunk, arms, or legs
17262	Destruction of malignant growth (1.1 centimeters to 2.0 centimeters) of trunk, arms, or legs
17263	Destruction of malignant growth (2.1 centimeters to 3.0 centimeters) of trunk, arms, or legs
17264	Destruction of malignant growth (3.1 centimeters to 4.0 centimeters) of trunk, arms, or legs
17270	Destruction of malignant growth (0.5 centimeters) of scalp, neck, hands, feet, or genitals
17271	Destruction of malignant growth (0.6 centimeters to 1.0 centimeters) of scalp, neck, hands, feet, or genitals
17272	Destruction of malignant growth (1.1 centimeters to 2.0 centimeters) of scalp, neck, hands, feet, or genitals
17273	Destruction of malignant growth (2.1 centimeters to 3.0 centimeters) of scalp, neck, hands, feet, or genitals

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
17280	Destruction of malignant growth (0.5 centimeters or less) of face, ears, eyelids, nose, lips, or mouth
17281	Destruction of malignant growth (0.6 centimeters to 1.0 centimeters) of face, ears, eyelids, nose, lips, or mouth
17282	Destruction of malignant growth (1.1 centimeters to 2.0 centimeters) of face, ears, eyelids, nose, lips, or mouth
17283	Destruction of malignant growth (2.1 centimeters to 3.0 centimeters) of face, ears, eyelids, nose, lips, or mouth
17311	Removal and microscopic examination of growth of the head, neck, hands, feet, or genitals (first stage, up to 5 tissue blocks)
17312	Removal and microscopic examination of growth of the head, neck, hands, feet, or genitals (additional stage after first stage, up to 5 tissue blocks)
17313	Removal and microscopic examination of growth of the trunk, arms, or legs (first stage, up to 5 tissue blocks)
17314	Removal and microscopic examination of growth of the trunk, arms, or legs (additional stage after first stage, up to 5 tissue blocks)
17315	Removal and microscopic examination of growth of the trunk, arms, or legs (additional block after first 5 tissue blocks, any stage)
19000	Aspiration of breast cyst
19102	Biopsy of breast using imaging guidance
19103	Biopsy of breast using imaging guidance
19120	Removal of 1 or more breast growth
19125	Removal of breast growth
19290	Presurgical insertion of needle wire to localize breast growth
19295	Insertion of metal clip during breast biopsy or aspiration
19296	Insertion of catheter into breast for radiation therapy using imaging guidance
19301	Partial removal of breast
19303	Total removal of breast
19304	Removal of tumor and breast tissue
20005	Incision and drainage of soft tissue abscess

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
20220	Biopsy of bone using needle or trocar
20245	Incisional biopsy of bone
20526	Injection of carpal tunnel
20550	Injection of tendon sheath, ligament, or muscle membrane
20551	Injection of tendon attachment to bone
20552	Injection of trigger points in 1 or 2 muscles
20553	Injection of trigger points in 3 or more muscles
20600	Aspiration or injection of small joint or joint capsule
20605	Aspiration or injection of medium joint or joint capsule
20610	Aspiration or injection of large joint or joint capsule
20670	Removal of bone implant
20680	Removal of deep bone implant
20690	Application of uniplane external bone fixation
20900	Small bone graft from any donor area
20931	Donor bone graft for spine surgery
20937	Harvest of bone fragments for spine surgery graft
20985	Computer-assisted surgical navigational procedure for bone procedures
22214	Incision of spine to correct deformity at lower spinal column
22216	Incision of spine bone to correct spinal deformity of spinal column
22310	Treatment of broken spine bone
22325	Surgical treatment of broken or dislocated lower spine bone
22521	Injection of cement into body of lower spine bone
22523	Injection of cement into body of middle spine bone
22524	Injection of bone cement into cavity of body of lower spine bone
22525	Injection of bone cement body of middle or lower spine bone
22533	Fusion of lower spine bones with removal of disc, lateral approach
22551	Fusion of spine bones with removal of disc at upper spinal column, anterior approach
22552	Fusion of spine bones with removal of disc at upper spinal column, anterior approach

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
22554	Fusion of spine bones with removal of disc at upper spinal column, anterior approach
22558	Fusion of spine bones with removal of disc at lower spinal column, anterior approach
22585	Fusion of spine bones with removal of disc at lower spinal column, anterior approach, additional interspace
22600	Fusion of upper spine bones, posterior or posterolateral approach
22612	Fusion of lower spine bones, posterior or posterolateral approach
22614	Fusion of spine bones, posterior or posterolateral approach, additional interspace
22630	Fusion of lower spine bones with removal of disc, posterior approach
22633	Fusion of lower spine bones with removal of disc, combined posterior, posterolateral or interbody approach
22634	Fusion of lower spine bones with removal of disc, combined posterior, posterolateral or interbody approach, additional interspace and segment
22830	Exploration of spinal fusion
22840	Insertion of spinal instrumentation at base of neck for stabilization, 1 interspace
22842	Insertion of posterior spinal instrumentation for spinal stabilization, 3 to 6 vertebral segments
22843	Insertion of posterior spinal instrumentation for spinal stabilization, 7 to 12 vertebral segments
22845	Insertion of anterior spinal instrumentation for spinal stabilization, 2 to 3 vertebral segments
22846	Insertion of anterior spinal instrumentation for spinal stabilization, 4 to 7 vertebral segments
22851	Insertion of spinal instrumentation for spinal stabilization
23040	Incision to repair shoulder joint
23120	Partial removal of collar bone
23130	Removal or repair of collar bone and shoulder blade joint
23350	Injection of dye for X-ray imaging of shoulder joint

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
23412	Repair of torn tendons of shoulder
23430	Anchoring of biceps tendon
23472	Prosthetic repair of shoulder joint
23491	Stabilization of upper arm bone
23600	Treatment of upper arm fracture
25000	Incision to repair tendon covering at wrist
25115	Removal of fluid-filled sac (bursa) of wrist joint lining or forearm tendon
25310	Relocation of tendon of forearm or wrist
25447	Removal of bone joints between wrist and fingers
25560	Treatment of broken forearm bones
25600	Treatment of broken forearm bones
25605	Treatment of broken or growth plate separate of forearm bone at wrist
25609	Surgical treatment of broken of lower forearm or growth plate separation
26040	Release of tissues of palm
26055	Incision of tendon covering
26116	Removal (less than 1.5 centimeters) tissue growth of hand or finger
26160	Removal of growth of tendon finger or hand
26480	Transplant of tendon of hand
26525	Repair of joint capsule, hand and finger
26600	Treatment of fracture hand bone
26750	Treatment of broken finger or thumb
27033	Incision of hip joint with exploration or removal of loose or foreign body
27036	Repair of hip joint capsule
27093	Injection of dye for X-ray imaging of hip joint
27096	Injection procedure into sacroiliac joint for imaging, anesthetic, or drug administration using imaging guidance
27125	Partial replacement of thigh bone at hip joint with prosthesis
27130	Replacement of thigh bone and hip joint prosthesis

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
27134	Revision of thigh bone and hip joint prosthesis
27137	Revision of hip joint prosthesis
27161	Incision of upper thigh bone at hip joint
27193	Treatment of pelvic ring fracture or dislocation
27236	Surgical treatment of broken thigh bone
27240	Treatment of broken thigh bone with alignment
27244	Surgical treatment of broken thigh bone
27245	Surgical treatment of broken thigh bone
27280	Fusion of sacroiliac joint
27310	Exploration, drainage, or removal of foreign body in knee joint
27385	Suture of ruptured muscle of thigh
27430	Repair of muscle group above knee joint
27438	Repair of knee cap with insertion of prosthesis
27442	Repair of knee joint
27446	Repair of knee joint
27447	Repair of knee joint
27465	Shortening of thigh bone
27487	Revision of lower thigh bone and both shin bone components of total knee joint prosthesis
27570	Alignment of knee joint under anesthesia
27590	Amputation of thigh through thigh bone
27685	Lengthening or shortening of tendon of leg or ankle
27687	Lengthening of calf muscle
27702	Repair of ankle joint with prosthesis
27786	Treatment of broken ankle
27828	Surgical treatment of fracture of weight bearing joint of shin bone
27829	Open surgical treatment of ligament tear at ankle joint
27880	Amputation of both lower leg bones
28001	Drainage of fluid-filled sac (bursa) of foot
28002	Drainage of fluid-filled sac (bursa) of foot

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
28010	Repair of toe tendon
28080	Removal of fibrous nerve growth from between toes
28120	Partial removal of dead or infected foot or heel bone
28122	Surgical removal of dead or infected foot or heel bone
28124	Partial removal of dead or infected toe bone
28160	Partial removal of toe joint
28230	Incision to lengthen foot tendon
28232	Incision to lengthen toe tendon
28234	Incision to release foot tendon
28270	Incision of joint capsule of foot and toe
28272	Incision of toe joint capsule
28285	Correction of toe joint deformity
28289	Correction of deformity of first long bone at toe joint
28296	Correction of bunion
28297	Correction of bunion
28308	Incision to straighten toe bone
28470	Treatment of broken foot bone
28510	Treatment of broken toe
28645	Surgical treatment of dislocated foot bone
28750	Fusion of great toe
28805	Amputation of foot
28820	Amputation of foot
28825	Amputation of foot
29075	Application of cast, elbow to finger (short arm)
29085	Application of cast to hand and lower forearm
29105	Application of long arm splint (shoulder to hand)
29125	Application of non-moveable, short arm splint (forearm to hand)
29130	Application of non-moveable, hinged finger splint
29200	Strapping of chest
29240	Strapping of shoulder

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
29260	Strapping of elbow or wrist
29280	Strapping of hand or finger
29405	Application of short leg cast (below knee to toes)
29425	Application of short leg cast (below knee to toes), walking or ambulatory type
29445	Application of rigid total contact leg cast
29515	Application of short leg splint (calf to foot)
29520	Strapping of hip
29530	Strapping of knee
29540	Strapping of ankle and/or foot
29550	Strapping of toes
29580	Strapping, Unna boot
29581	Application of vein wound compression system lower leg below knee including ankle and foot
29700	Removal or bi-valving of gauntlet, boot, or body cast
29807	Repair of shoulder socket cartilage using an endoscope
29822	Removal of shoulder joint tissue using an endoscope
29823	Extensive removal of shoulder joint tissue using an endoscope
29824	Partial removal of collar bone at shoulder using an endoscope
29826	Shaving of shoulder bone using an endoscope
29827	Repair of shoulder rotator cuff using an endoscope
29828	Release of shoulder biceps tendon using an endoscope
29846	Removal of wrist joint lining using an endoscope
29848	Release of wrist ligament using an endoscope
29873	Release of ligaments at outer aspect of knee joint using an endoscope
29875	Partial removal of knee joint lining using an endoscope
29876	Removal of joint lining from two or more knee joint compartments using an endoscope
29879	Repair of knee joint using an endoscope
29880	Removal of both knee cartilages using an endoscope
29881	Removal of one knee cartilage using an endoscope

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
29884	Repair of knee joint and removal of scar tissue using an endoscope
30140	Removal of nasal air passage
30300	Removal of foreign body in nose
30520	Reshaping of nasal cartilage
30901	Simple control of nose bleed
30903	Complex control of nose bleed
30930	Therapeutic fracture of nasal passage
31200	Partial removal of nasal sinus
31231	Diagnostic examination of nasal passages using an endoscope
31233	Examination of nasal passage and sinus using an endoscope
31237	Biopsy or removal of nasal polyp or tissue using an endoscope
31238	Control of nasal bleeding using an endoscope
31255	Removal of nasal sinus using an endoscope
31256	Incision of nasal sinus using an endoscope
31267	Removal of nasal sinus tissue using an endoscope
31276	Removal nasal sinus tissue using an endoscope
31287	Incision of nasal sinus using an endoscope
31295	Dilation of nasal sinus using an endoscope
31296	Dilation of nasal sinus using an endoscope
31500	Emergent insertion of breathing tube into windpipe cartilage using an endoscope
31505	Endoscopic examination of voice box for diagnosis
31541	Removal of growth of tongue with vocal cord stripping using an endoscope with operating microscope or telescope
31575	Diagnostic examination of voice box using flexible endoscope
31579	Endoscopic examination to assess movement of vocal cord flaps
31600	Opening of windpipe through neck for insertion of breathing tube
31620	Ultrasound of lung airways during diagnostic examination using an endoscope
31622	Placement of radiation therapy markers in lung airways using an endoscope

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
31623	Examination of lung airways using an endoscope
31624	Irrigation and suction of lung airways to obtain cells using an endoscope
31625	Biopsy of lung airways using an endoscope
31627	Computer-assisted image-guided navigation of lung airways using an endoscope
31628	Biopsy of one lobe of lung using an endoscope
31629	Needle biopsy of windpipe cartilage, airway, and/or lung using an endoscope
31633	Needle biopsy of lung using an endoscope
31641	Destruction of growth or narrowing of lung airway using an endoscope
31645	Aspiration of lung secretions from lung airways using an endoscope
32100	Incision and exploration of chest cavity
32405	Needle biopsy of lung or chest tissue
32550	Insertion of permanent catheter for drainage of lung fluid
32551	Removal of fluid from between lung and chest cavity
32552	Removal of tunneled catheter in lung lining
32554	Removal of fluid from chest cavity
32555	Removal of fluid from chest cavity with imaging guidance
32556	Removal of fluid from chest cavity with insertion of indwelling catheter
32557	Removal of fluid from chest cavity with insertion of indwelling catheter and imaging guidance
32650	Insertion of drugs or chemical into the lung lining using an endoscope
32652	Complete removal of inside lining of chest cavity and lung using an endoscope
32663	Endoscopic examination of lung with removal of lobe of lung
32666	Partial removal of lung tissue using an endoscope
32667	Partial removal of each additional lung tissue using an endoscope
32674	Removal of lymph nodes of mid-chest cavity using an endoscope
32853	Transplant of both lungs

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
32854	Transplant of both lungs on heart-lung machine
32856	Preparation of two cadaver lungs for transplantation
33025	Partial removal of heart tissue for fluid drainage
33207	Insertion or replacement of permanent pacemaker and lower chamber electrodes
33208	Insertion of new or replacement of permanent pacemaker including upper and lower chamber electrodes
33225	Insertion of left heart electrode for pacing defibrillator device
33228	Removal and replacement of dual lead permanent pacemaker pulse generator
33233	Removal of permanent pacemaker pulse generator
33234	Removal of electrode from right heart
33241	Removal of pacing defibrillator pulse generator
33244	Removal of right heart pacing defibrillator electrodes
33249	Insertion or replacement of single or dual chamber pacing defibrillator leads
33257	Destruction and reconstruction of right upper heart
33259	Destruction of tissue and reconstruction of right upper heart on heart-lung machine
33263	Removal and replacement of dual lead pacing defibrillator pulse generator
33264	Removal and replacement of multiple lead pacing defibrillator pulse generator
33282	Implantation of long-term patient-activated heart monitoring device
33361	Replacement of aortic valve with prosthetic valve
33362	Replacement of aortic valve with prosthetic valve
33405	Replacement of left lower heart chamber valve using artificial valve on heart-lung machine
33430	Replacement of valve between left upper and lower chambers on heart-lung machine
33508	Harvest of veins for coronary artery bypass procedure using an endoscope

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
33517	Combined vein and artery heart artery bypass
33518	Combined multiple vein and artery heart artery bypasses
33519	Combined multiple vein and artery heart artery bypasses
33521	Combined multiple vein and artery heart artery bypasses
33530	Reoperation of heart artery bypass or valve procedure
33533	Heart artery bypass to repair one artery
33860	Placement of graft to aorta on heart-lung machine
33967	Insertion of assistive heart blood flow device into aorta
34802	Repair of bulging (aneurysm) or tear in abdominal aorta
34812	Delivery of arterial prosthesis
34825	Insertion of prosthetic repair of bulging (aneurysm) abdominal or groin artery
34834	Incision of arm to expose artery for deployment of prosthesis
35011	Repair of diseased or bulging (aneurysm) artery of arm
35301	Removal of blood clot and portion of artery of neck
35303	Removal of blood clot and portion of artery of lower leg
35355	Removal of blood clot and portion of artery of upper thigh
35458	Balloon dilation of narrowed or blocked upper arm artery
35460	Balloon dilation of narrowed or blocked vein
35475	Balloon dilation of narrowed or blocked upper arm artery
35476	Balloon dilation of narrowed or blocked vein
35572	Harvest of vein segment (upper leg to thigh)
35656	Bypass of diseased or blocked artery (upper leg to lower thigh artery)
35860	Exploration of arm or leg for postsurgical bleeding, blood clot, or infection
35903	Removal of infected graft of arm or leg
36005	Injection procedure for X-ray imaging procedure of veins of arm or leg
36010	Introduction of catheter into the upper or lower major vein (vena cava)
36011	Insertion of catheter into vein

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
36120	Insertion of needle or catheter into the brachial (arm) artery
36140	Insertion of needle or catheter into an artery of arm or leg
36147	Insertion of needle or catheter for dialysis
36148	Insertion of needle or catheter into an artery-vein dialysis shunt or graft
36200	Insertion of catheter into aorta
36215	Insertion of catheter into chest or arm artery
36216	Insertion of catheter into chest or arm artery
36222	Insertion of catheter into neck artery for diagnosis or treatment
36223	Insertion of catheter into neck artery for diagnosis or treatment
36224	Insertion of catheter into neck artery for diagnosis or treatment
36225	Insertion of catheter into chest artery for diagnosis or treatment
36226	Insertion of catheter into chest artery for diagnosis or treatment
36245	Insertion of catheter into abdominal pelvic or leg artery
36246	Insertion of catheter into abdominal pelvic or leg artery
36247	Insertion of catheter into abdominal pelvic or leg artery
36248	Insertion of catheter into each additional abdominal, pelvic or leg artery
36252	Insertion of catheter into main and accessory renal artery for imaging
36410	Insertion of needle into vein for diagnostic procedure
36415	Insertion of needle into vein for collection of blood sample
36471	Injection of chemical agent into multiple veins of same leg
36475	Destruction of insufficient vein of arm or leg
36478	Laser destruction of incompetent vein of arm or leg
36479	Laser destruction of insufficient vein of arm or leg using imaging guidance
36514	Mechanical separation of plasma from opening blood
36556	Insertion of catheter in vein for infusion
36558	Insertion of catheter in vein for infusion
36561	Insertion of catheter in vein and implanted device for infusion
36563	Insertion of catheter in vein and implanted device for infusion

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
36565	Insertion of two catheters in two veins for infusion
36566	Insertion of catheter in vein for infusion
36569	Insertion of catheter in vein for infusion
36571	Insertion of catheter in vein for infusion
36581	Replacement of central venous catheter for infusion
36584	Replacement, complete, through same venous access, of a peripherally inserted central venous catheter (PICC)
36589	Removal of central venous catheter for infusion
36590	Removal of peripheral venous catheter for infusion
36591	Collection of blood specimen from a completely implantable venous access device
36592	Collection of blood specimen from central or peripheral venous catheter
36600	Arterial puncture withdrawal of blood for diagnosis
36620	Insertion of arterial catheter for blood sampling or infusion
36800	Insertion of external tube from vein to vein for dialysis
36818	Relocation of arm vein with connection to arm artery
36819	Relocation of arm vein with connection to arm artery
36821	Relocation of arm vein with connection to arm artery
36825	Connection of donor vein to an artery and vein for dialysis
36830	Connection of synthetic tube graft to vein and artery for dialysis
36831	Removal of blood clot from dialysis graft
36832	Revision of dialysis graft
36870	Catheter removal of blood clot from dialysis graft
37191	Insertion of vena cava filter
37193	Retrieval of vena cava filter using imaging
37200	Biopsy of blood vessel via catheter
37204	Insertion of catheter and device to stop blood flow or infusion to dissolve blood clot
37205	Insertion of stent into blood vessel
37215	Insertion of stent and blood clot protection device in neck artery

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
37221	Insertion of stent in leg artery
37224	Balloon dilation of leg artery
37225	Removal of plaque in leg artery
37226	Insertion of stent in leg artery
37227	Balloon dilation and insertion of stent in leg artery
37228	Balloon dilation of leg artery
37229	Removal of plaque in leg artery
37250	Ultrasound evaluation of blood vessel during diagnosis or treatment
37607	Tying or banding of a passage between an artery and vein
37765	Multiple incisions for removal of varicose veins of arm or leg
37766	Multiple incisions for removal of varicose veins of arm or leg
38206	Collection of stem cells for transplantation
38220	Bone marrow aspiration
38221	Needle or trocar bone marrow biopsy
38505	Needle biopsy or removal of lymph nodes
38510	Biopsy or removal of lymph nodes of neck
38525	Biopsy or removal of lymph nodes of neck
38571	Removal of pelvic lymph nodes using an endoscope
38724	Removal of lymph nodes, muscle, and tissue of neck
38740	Removal of underarm lymph nodes
38792	Injection of radioactive dye for X-ray identification of lymph node
38900	Lymph node imaging during surgery
39400	Examination of chest cavity below breast bone using an endoscope
40490	Biopsy of lip
40808	Biopsy of mouth
40812	Removal of growth of mouth
43200	Diagnostic examination of esophagus using an endoscope
43228	Destruction of esophageal polyps or growths using an endoscope
43235	Diagnostic examination of stomach and upper upper small bowel using an endoscope

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
43236	Injection of esophagus, stomach, and upper small bowel using an endoscope
43239	Biopsy of the esophagus, stomach, or upper small bowel using an endoscope
43242	Ultrasound guided needle aspiration or biopsy of stomach or upper small bowel using an endoscope
43244	Tying of dilated veins of stomach or esophagus using an endoscope
43245	Dilation of stomach outlet using an endoscope
43246	Insertion of stomach tube using an endoscope
43247	Removal of foreign body of esophagus, stomach, or upper small bowel using an endoscope
43248	Insertion of guide wire with dilation of esophagus using an endoscope
43249	Balloon dilation of esophagus using an endoscope
43250	Removal of polyps or growths of esophagus, stomach, or upper small bowel using an endoscope
43251	Removal of polyps or growths of esophagus, stomach, or upper small bowel using an endoscope
43255	Control of bleeding of esophagus, stomach, or upper small bowel using an endoscope
43256	Insertion of stent in esophagus, stomach, and/or upper small bowel using an endoscope
43258	Destruction of polyps or growths of esophagus, stomach, or upper small bowel using an endoscope
43259	Ultrasound examination of esophagus, stomach, upper small bowel using an endoscope
43262	Incision of pancreatic outlet muscle using an endoscope
43264	Removal of stone from bile or pancreatic duct using an endoscope
43268	Insertion of tube or stent into bile or pancreatic duct using an endoscope
43269	Removal of foreign body or change of pancreatic or bile duct tube or stent using an endoscope
43271	Balloon dilation of bile or pancreatic duct using an endoscope

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
43281	Repair of hernia of muscle at esophagus and stomach using an endoscope
43282	Repair of hernia of muscle at esophagus and stomach with implantation of mesh using an endoscope
43450	Dilation of esophagus
43453	Dilation of esophagus
43644	Bypass operation of stomach using an endoscope
43760	Change of stomach feeding
43775	Stomach bypass procedure with partial removal of stomach using an endoscope
43830	Incision for insertion of stomach feeding tube
43846	Partial removal of stomach
43999	Procedure of stomach
44120	Partial removal of small bowel
44139	Release of large bowel from spleen and abdominal wall
44140	Partial removal of large bowel
44143	Partial removal of large bowel
44145	Partial removal of large bowel and reattachment to rectum
44204	Partial removal of large bowel using an endoscope
44360	Examination of small bowel using an endoscope
44361	Biopsy of small bowel using an endoscope
44378	Control of bleeding beyond second portion of small bowel using an endoscope
44500	Oral introduction of long drainage tube into small bowel
44625	Closure of small or large bowel ostomy
44799	Large bowel procedure
44955	Removal of appendix
45300	Diagnostic examination of rectum and large bowel using an endoscope
45330	Diagnostic examination of large bowel using an endoscope
45331	Biopsy of large bowel using an endoscope
45341	Ultrasound examination of large bowel using an endoscope

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
45378	Diagnostic examination of large bowel using an endoscope
45380	Biopsy of large bowel using an endoscope
45381	Injection of large bowel using an endoscope
45382	Control of bleeding in large bowel using an endoscope
45383	Removal of growths in large bowel using an endoscope
45384	Removal of polyps or growths in large bowel using an endoscope
45385	Removal of polyps or growths of large bowel using an endoscope
45990	Diagnostic examination of anus and rectum under anesthesia
46221	Removal of hemorrhoid by rubber banding
46260	Removal of multiple internal hemorrhoids
46600	Diagnostic examination of the anus using an endoscope
46750	Repair of anal muscle for incontinence
46761	Repair of anal muscle to correct incontinence
46924	Destruction of anal growths
46930	Destruction of internal anal hemorrhoids
46947	Repair of prolapsing internal hemorrhoids
47000	Needle biopsy of liver
47001	Needle biopsy of liver
47100	Partial removal of liver tissue
47135	Transplantation of donor liver to anatomic position
47490	Incision of gallbladder using imaging guidance
47505	Injection through existing gallbladder catheter for X-ray imaging procedure
47562	Removal of gallbladder using an endoscope
47563	Removal of gallbladder with X-ray study of bile ducts using endoscope
47600	Removal of gallbladder
49021	Drainage of abscess behind abdominal cavity
49083	Drainage of fluid from abdominal cavity using imaging guidance
49084	Irrigation of abdominal cavity
49324	Insertion of abdominal cavity catheter using an endoscope

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
49326	Suture of abdominal wall using an endoscope
49400	Injection of air or X-ray contrast material into abdominal cavity
49423	Exchange of abdominal cavity drainage catheter using imaging guidance
49424	Injection through abdominal cavity catheter for X-ray study
49440	Insertion of stomach tube using fluoroscopic guidance
49450	Replacement of stomach or large bowel tube using fluoroscopic guidance
49452	Replacement of stomach to small bowel tube using fluoroscopic guidance
49505	Repair of groin hernia patient age 5 years or older
49507	Repair of trapped groin hernia patient age 5 years or older
49560	Repair of incisional or abdominal hernia
49565	Repair of incisional or abdominal hernia
49568	Placement of mesh to repair incisional or abdominal hernia
49585	Repair of hernia at navel patient age 5 years or older
49650	Repositioning of groin hernia using an endoscope
49652	Repair of hernia using an endoscope
49655	Repair of trapped incisional hernia using an endoscope
49900	Suture of postsurgical abdominal wall opening
49999	Abdominal procedure
50200	Needle biopsy of kidney
50205	Biopsy of kidney
50323	Preparation of donor kidney for transplantation
50325	Preparation of donor kidney for transplantation
50360	Transplantation of donor kidney
50392	Introduction of kidney catheter for drainage or injection
50393	Instillation of drug into kidney or urinary duct (ureter)
50394	Injection of kidney or urinary duct (ureter) for X-ray imaging of kidney
50398	Change of kidney drainage tube

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
50545	Removal of kidney and lymph nodes using an endoscope
50547	Removal of kidney from living donor using an endoscope
50590	Shock wave crushing of kidney stones
50605	Insertion of stent in urinary duct (ureter)
50820	Connection of urinary duct (ureter) to large and small bowels with creation of ostomy
51045	Incision of bladder with insertion of catheter or stent in urinary duct (ureter)
51600	Injection procedure for X-ray imaging of the bladder or during voiding
51610	Injection procedure through the bladder and bladder canal (urethra) for X-ray imaging
51700	Bladder irrigation or instillation
51701	Insertion of temporary bladder catheter
51702	Insertion of indwelling bladder catheter
51703	Insertion of indwelling bladder catheter through altered anatomy
51705	Removal of skin suture with change of bladder tube
51715	Injection or implant of synthetic material into bladder and bladder canal (urethra) using an endoscope
51720	Bladder instillation of cancer preventive, inhibiting, or suppressive agent
51725	Insertion of device into bladder to measure pressure of urine flow
51726	Insertion of electronic device into bladder with measurement of urine flow pressure
51727	Insertion of electronic device into bladder with bladder canal (urethra) pressure studies
51728	Insertion of electronic device into bladder with voiding pressure studies
51729	Insertion of electronic device into bladder with voiding and bladder canal (urethra) pressure studies
51736	Timed assessment of bladder emptying
51741	Electronic assessment of bladder emptying

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
51784	Non-needle measurement and recording of electrical activity of muscles at bladder and bowel openings
51785	Needle measurement and recording of electrical activity of muscles at bladder and bowel openings
51792	Assessment of muscle signal of pelvic nerves
51797	Insertion of device into the abdomen with measurement of pressure and urine flow rate
51798	Ultrasound measurement of bladder capacity after voiding
52000	Diagnostic examination of the bladder and bladder canal (urethra) using an endoscope
52005	Irrigation or instillation into bladder and bladder canal (urethra) using an endoscope
52204	Biopsy of the bladder using an endoscope
52214	Destruction of tissue in the bladder, bladder canal (urethra) or surrounding glands using an endoscope
52224	Destruction of (less than 0.5 centimeters) growths of the bladder and bladder canal (urethra) using an endoscope
52234	Destruction of (0.5 centimeters up to 2.0 centimeters) growths of the bladder and bladder canal (urethra) using an endoscope
52235	Destruction of (2.0 centimeters to 5.0 centimeters) growths of the bladder and bladder canal (urethra) using an endoscope
52240	Destruction of large growths of the bladder and bladder canal (urethra) using an endoscope
52276	Incision of the bladder canal (urethra) using an endoscope
52281	Dilation of bladder canal (urethra) using an endoscope
52285	Examination of bladder and bladder canal (urethra) for treatment of female urethral syndrome using an endoscope
52287	Examination with injection of chemical for destruction of bladder using an endoscope
52310	Removal of foreign body, stone, or stent from bladder canal (urethra) or bladder using an endoscope
52320	Removal of stone in urinary duct (ureter) using an endoscope

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
52332	Insertion of stent in urinary duct (ureter) using an endoscope
52351	Diagnostic examination of the bladder, bladder canal (urethra), and urinary duct (ureter) or kidney using an endoscope
52352	Removal or manipulation of stone in urinary duct (ureter) or kidney using an endoscope
52353	Crushing of stone in urinary duct (ureter) using an endoscope
52601	Electro-removal of prostate through bladder canal (urethra) with control of bleeding
52647	Laser destruction of prostate including control of bleeding
52648	Laser vaporization of prostate including control of bleeding
53445	Insertion of inflatable bladder canal (urethra) or bladder neck sphincter
53447	Removal and replacement of inflatable bladder canal (urethra) or bladder neck sphincter
53601	Dilation of narrowing of bladder canal (urethra), male
53660	Dilation of bladder canal (urethra), female
53661	Dilation of bladder canal (urethra), female
53850	Destruction of prostate tissue through bladder canal (urethra)
53852	Destruction of prostate tissue through bladder canal (urethra)
53855	Insertion of a temporary bladder canal (urethra) stent, male, using an endoscope
53899	Procedure of urinary system
54200	Injection procedure to correct abnormally thickened penile tissue
54235	Injection procedure to induce erection
54405	Insertion of multi-component inflatable penile prosthesis
55520	Removal of spermatic cord growth
55700	Biopsy of prostate gland
55840	Removal of prostate gland
55866	Endoscopic and robotic removal of prostate
55875	Insertion of needles or catheters for radiation therapy
55876	Insertion of radiation therapy devices in prostate gland for radiation therapy guidance

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
57150	Irrigation of vagina with application of drug to treat infection
57155	Insertion of radiation therapy devices in uterus for radiation therapy
57160	Fitting and insertion of vaginal support device
57240	Repair of herniated bladder into vaginal wall
57250	Repair of herniated rectum into vaginal wall
57260	Plastic repair of vagina and tissue separating vagina, rectum, and bladder
57265	Repair of herniated rectum and bladder into vaginal wall
57267	Placement of artificial material for pelvic floor defect
57280	Attachment of vagina to rear pelvic bone (sacrum)
57282	Vaginal repair of pelvic ligaments
57283	Anatomic repositioning of vagina
57288	Insertion of synthetic material to repair bladder stress incontinence
57295	Revision and removal of prosthetic vaginal graft
57425	Vaginal defect repair using an endoscope
57452	Endoscopic examination of the vagina and cervix
58100	Biopsy of uterine lining
58150	Abdominal removal of uterus and cervix
58260	Vaginal removal of uterus (250 grams or less)
58340	Introduction of saline or X-ray contrast material for X-ray imaging of the uterus and tubes
58541	Partial removal of uterus (250 grams or less) with retention of cervix using an endoscope
58542	Partial removal of uterus (250 grams or less), tubes and/or ovaries with retention of cervix using an endoscope,
58558	Biopsy, removal of polyp, or D&C of the uterus using an endoscope
58571	Abdominal removal of uterus (250 grams or less) with removal of tubes and/or ovaries using an endoscope
60100	Needle biopsy of thyroid
60500	Removal or exploration of parathyroid glands
61510	Removal of brain tumor

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
61781	Computer-assisted procedure inside the brain
61782	Computer-assisted procedure outside the brain
61783	Computer-assisted spinal procedure
61790	Stereotactic creation of lesion of cranial nerve
61796	Stereotactic treatment of brain growth
61800	Application of stereotactic headframe for stereotactic radiosurgery
61886	Insertion or replacement of brain neurostimulator generator or receiver
62223	Creation of brain fluid drainage shunt
62264	Injection or mechanical removal of spinal canal scar tissue
62270	Spinal tap for diagnosis
62272	Spinal tap with drainage of spinal fluid
62284	Injection of dye for X-ray imaging of spinal canal
62310	Injection of diagnostic or therapeutic substances into lower spine
62311	Injection of diagnostic or therapeutic substances into upper or middle spine
62318	Injection and continuous infusion into spinal canal
62350	Implantation, revision, or repositioning of spinal canal medication catheter
62362	Implantation or replacement of programmable spinal canal drug infusion pump
62368	Electronic analysis and reprogramming of spinal canal drug infusion pump
62369	Electronic analysis reprogramming and refill of spinal canal drug infusion pump
62370	Electronic analysis reprogramming and refill of spinal canal drug infusion pump by physician
63011	Partial removal of bone with release of spinal cord or spinal nerves
63017	Partial removal of bone with release of spinal cord or spinal nerves
63030	Partial removal of bone with release of spinal cord or spinal nerves of 1 interspace in lower spine

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
63035	Partial removal of bone with release of spinal cord or spinal nerves each additional interspace in upper or lower spine
63042	Re-exploration of spine repair with release of spinal cord or nerves
63044	Re-exploration of spine repair with release of spinal cord or nerves
63047	Partial removal of middle spine bone with release of spinal cord or nerves
63048	Partial removal of spine bone with release of spinal cord or nerves
63056	Release of lower spinal cord or nerves
63057	Release of lower spinal cord or nerves
63081	Partial or complete removal of upper spine bone with release of spinal cord or nerves
63650	Implantation of spinal neurostimulator electrodes
63655	Implantation of spinal neurostimulator electrodes
63662	Removal of spinal neurostimulator electrodes
63685	Insertion of spinal neurostimulator pulse generator or receiver
63688	Removal or revision of neurostimulator pulse generator or receiver
64405	Injection of anesthetic agent, greater occipital nerve
64412	Injection of anesthetic agent, spinal accessory nerve
64413	Injection of anesthetic agent, neck nerve bundle
64415	Injection of anesthetic agent, brachial (arm) nerve bundle
64416	Injection by continuous infusion of anesthetic agent, brachial (arm) nerve bundle
64418	Injection of anesthetic agent, collar bone nerve
64420	Injection of anesthetic agent, of rib nerve
64421	Injection of anesthetic agent of multiple rib nerves
64445	Injection of anesthetic agent, sciatic nerve
64446	Injection by continuous infusion of anesthetic agent, sciatic nerve
64447	Injection of anesthetic agent, thigh nerve
64448	Injection by continuous infusion of anesthetic agent, thigh nerve
64450	Injection of anesthetic agent, other peripheral nerve or branch
64455	Injection of anesthetic or steroid drug into nerve of foot

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
64479	Injection of upper or middle spine nerve root using imaging guidance
64480	Injection of upper or middle spine nerve root using imaging guidance
64483	Injection of lower or sacral spine nerve root using imaging guidance
64484	Injection of lower or sacral spine nerve root using imaging guidance
64490	Injection of upper or middle spine facet joint using imaging guidance
64491	Injection of upper or middle spine facet joint using imaging guidance
64492	Injection of upper or middle spine facet joint using imaging guidance
64493	Injection of lower spine facet joint using imaging guidance
64494	Injection of lower spine facet joint using imaging guidance
64495	Injection of lower spine facet joint using imaging guidance
64555	Implantation of peripheral nerve neurostimulator electrodes
64561	Insertion of sacral nerve neurostimulator electrodes
64566	Implantation of lower leg neurostimulator electrode
64581	Incision to insert sacral nerve neurostimulator electrodes
64585	Revision or removal of peripheral neurostimulator electrode array
64590	Insertion or replacement of peripheral or gastric neurostimulator generator
64595	Revision or removal of peripheral nerve or gastric neurostimulator generator
64611	Injection of chemical for destruction of salivary glands
64612	Injection of chemical for destruction of facial nerve muscles
64613	Injection of chemical for destruction of neck muscles
64614	Injection of chemical for destruction of arms legs and/or torso muscles
64615	Injection of chemical for destruction of facial and neck nerve muscles
64632	Destruction of nerve of foot
64633	Injection of upper or middle spinal facet joint nerve using imaging guidance
64634	Injection of each additional upper or middle spinal facet joint nerve using imaging guidance
64635	Injection of lower or sacral spinal facet joint nerve using imaging guidance

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
64636	Injection of each additional lower or sacral spinal facet joint using imaging guidance
64640	Destruction of peripheral nerve or branch
64716	Release of cranial nerve with relocation to new site
64718	Release of ulnar nerve at elbow with relocation to new site
64721	Release and relocation of median nerve of hand
64727	Release of nerve requiring use of operating microscope
65205	Removal of foreign body in external eye, conjunctiva
65210	Removal of foreign body in external eye, conjunctiva or sclera
65222	Removal of foreign body, external eye, cornea with slit lamp examination
65400	Removal of growth of cornea
65435	Removal of outer layer of cornea
65730	Transplantation of tissue from one cornea to other cornea
65755	Transplantation of tissue from one cornea to other cornea
65756	Transplant of outer layer of corneal tissue
65772	Incisions to cornea to correct astigmatism
65800	Aspiration of eye fluid
65855	Laser repair to improve eye fluid flow
66170	Creation of eye fluid drainage tract
66172	Creation of eye fluid drainage tract
66180	Creation of shunt to improve eye fluid flow
66250	Revision or repair of operative wound of eye
66710	Destruction of lens tissue using laser
66711	Destruction of tissue encircling lens using an endoscope
66761	Creation of eye fluid drainage tracts in iris using laser
66821	Removal of recurring cataract in lens capsule using laser
66825	Repositioning of lens prosthesis
66982	Removal of cataract with insertion of lens
66983	Removal of cataract with insertion of lens
66984	Removal of cataract with insertion of lens

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
66985	Insertion of lens prosthesis not associated with cataract removal
66986	Exchange of lens prosthesis
67010	Partial removal of eye fluid between the lens and retina
67028	Injection of drug into eye
67031	Laser release of scar tissue between the lens and retina
67036	Removal of eye fluid (vitreous) between the lens and retina
67039	Laser destruction of eye fluid (vitreous) between the lens and retina
67040	Laser destruction of eye fluid (vitreous) between the lens and retina
67041	Removal of membrane from the retina
67042	Repair of holes in retina with removal of retinal membrane
67043	Repair of detached retina with removal of retinal membrane
67105	Repair of detached retina with drainage of eye fluid between the lens and retina
67108	Repair of detached retina and drainage of eye fluid between lens and retina
67113	Repair of detached retina and drainage of eye fluid between lens and retina
67145	Preventive retinal detachment treatment by heat or laser
67208	Destruction of retinal growth by heat or freezing
67210	Laser destruction of retinal growth
67220	Laser destruction of vascular growth between retina and sclera
67228	Laser destruction of leaking retinal blood vessels
67255	Repair of defect of sclera with graft
67311	Realignment of the eye with repair of one horizontal eye muscle
67314	Realignment of the eye with repair of one vertical muscle
67332	Realignment of eye having scarring or restrictive muscle movement
67335	Insertion of adjustable sutures during eye muscle surgery
67515	Injection of medication or substance into membrane covering eyeball
67700	Incision and drainage of eyelid abscess
67800	Removal of eyelid growth
67805	Removal of multiple growths of different eyelids

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
67810	Biopsy of eyelid
67820	Removal of eyelashes by forceps
67825	Removal of eyelashes
67840	Removal of eyelid growth with suture closure
67850	Destruction of (up to 1 centimeter) growth of eyelid margin
67900	Repair of brow paralysis
67903	Shortening or advancement of upper eyelid muscle to correct drooping or paralysis
67904	Repair of tendon of upper eyelid
67911	Correction of widely-opened upper eyelid
67914	Suture repair of a turning-outward defect of upper or lower eyelid
67915	Repair of a turning-outward defect of upper or lower eyelid using heat
67916	Repair of turning-outward eyelid defect
67917	Extensive repair of turning-outward eyelid defect
67924	Repair of turning-inward eyelid defect
67950	Enlargement of eyelid margin
67961	Removal of up to one-fourth of the eyelid involving lid margin
67966	Removal of over one-fourth of the eyelid involving lid margin
68020	Incision and drainage of eye cyst
68110	Removal of (up to 1 centimeter) growth of sclera
68135	Destruction of growth of sclera
68200	Injection into conjunctiva
68320	Repair of conjunctiva
68330	Release of scar tissue from conjunctiva
68340	Release of scar tissue from eyelids
68400	Drainage of tear-producing gland
68440	Snip incision of tear-drainage opening at inner corner of the eye
68700	Plastic repair of tear ducts
68705	Release of tissue at tear duct opening
68720	Creation of drainage tract from tear sac to the nasal cavity

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
68760	Repair duct opening
68761	Closure of tear duct opening using plug
68801	Dilation of tear-drainage opening
68810	Insertion of probe into the tear duct
68815	Probing of nasal-tear duct with insertion of tube or stent
68840	Probing of nasal-tear duct
69100	Biopsy of ear
69200	Removal of foreign body from ear canal
69210	Removal of impact ear wax
69220	Removal of skin debris and drainage of mastoid cavity
69401	Inflation of tube from middle ear to throat with catheter insertion
69420	Incision, aspiration, and inflation of eardrum
69433	Incision of eardrum with insertion of eardrum tube under local or topical anesthesia
69436	Incision of eardrum with insertion of eardrum tube under general anesthesia
69610	Repair of eardrum
69801	Incision of fluid canals of inner ear
69930	Implantation of cochlear device
69990	Use of operating microscope
70030	X-ray of eye
70210	X-ray of paranasal sinus, less than 3 views
70220	X-ray of paranasal sinus, complete, minimum of 3 views
70250	X-ray of skull, less than 4 views
70355	X-ray imaging of teeth
70360	X-ray of soft tissue of neck
70371	Imaging of voice box with speech evaluation
70450	CT scan head or brain
70460	CT scan head or brain with contrast
70470	CT scan head or brain before and after contrast
70480	CT scan of cranial cavity

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
70486	CT scan of face
70487	CT scan of face with contrast
70490	CT scan of neck
70491	CT scan of neck
70492	CT scan of neck
70496	CT scan of blood vessel of head
70498	CT scan of neck blood vessels
70543	MRI scan bones of the eye, face, or neck
70544	MRA scan of head blood vessels
70546	MRA scan of head blood vessels before and after contrast
70547	MRA scan of neck blood vessels
70548	MRA scan of neck blood vessels with contrast
70549	MRA scan of neck blood vessels before and after contrast
70551	MRI scan brain
70552	MRI scan of brain with contrast
70553	MRI scan of brain before and after contrast
71010	X-ray of chest, 1 view, front
71020	X-ray of chest, 2 views, front and side
71021	X-ray of chest, 2 views, front and side
71022	X-ray of chest, 2 views, front and side
71030	X-ray of chest, minimum of 4 views
71035	X-ray of chest, special views
71100	X-ray of ribs 2 views
71101	X-ray of ribs with chest minimum of 3 views
71110	X-ray of ribs 3 views
71111	X-ray of ribs with chest, minimum of 4 views
71250	CT scan chest
71260	CT scan chest with contrast
71270	CT scan chest before and after contrast
71275	CT scan arteriogram of chest

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
72010	X-ray of entire spine
72020	X-ray of spine, 1 view
72040	X-ray of spine, 3 views or less
72050	X-ray of upper spine, 4 or 5 views
72052	X-ray of upper spine, 6 or more views
72069	X-ray of middle and lower spine, standing view
72070	X-ray of middle spine, 3 views
72072	X-ray of middle spine, 3 views
72074	X-ray of middle spine, minimum of 4 views
72080	X-ray of middle and lower spine, 2 views
72090	X-ray of spine, scoliosis study
72100	X-ray of lower and sacral spine, 2 or 3 views
72110	X-ray of lower and sacral spine, minimum of 4 views
72114	X-ray lower and sacral spine including bending views minimum 6 views
72120	X-ray lower and sacral spine including bending views 2 or 3 views
72125	CT scan of upper spine
72126	CT scan of upper spine with contrast
72128	CT scan of middle spine
72129	CT scan of middle spine with contrast
72131	CT scan of lower spine
72132	CT scan of lower spine with contrast
72141	MRI scan of upper spinal canal
72146	MRI scan of middle spinal canal
72148	MRI scan of lower spinal canal
72149	MRI scan of lower spinal canal with contrast
72156	MRI scan of upper spinal canal before and after contrast
72157	MRI scan of middle spinal canal before and after contrast
72158	MRI scan of lower spinal canal before and after contrast
72170	X-ray of pelvis, 1 or 2 views

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
72190	X-ray of pelvis, minimum of 3 views
72192	CT scan pelvis
72193	CT scan pelvis with contrast
72195	MRI scan of pelvis
72197	MRI scan of pelvis before and after contrast
72200	X-ray of sacroiliac joints, less than 3 views
72202	X-ray of sacroiliac joints, 3 or more views
72220	X-ray of pelvis, minimum of 2 views
72240	Radiological supervision and interpretation X-ray of upper spinal canal
72265	Radiological supervision and interpretation X-ray of lower spinal canal
72270	Imaging of spinal canal, 2 or more spinal regions
72275	Radiological supervision and interpretation X-ray of covering of spinal cord
72291	Imaging for repair or reconstruction of vertebra using fluoroscopic guidance
73000	X-ray of collar bone
73010	X-ray of shoulder blade
73020	X-ray of shoulder, 1 view
73030	X-ray of shoulder, minimum of 2 views
73040	Radiological supervision and interpretation X-ray of shoulder joint
73060	X-ray of upper arm, minimum of 2 views
73070	X-ray of elbow, 2 views
73080	X-ray of elbow, minimum of 3 views
73090	X-ray of forearm, 2 views
73100	X-ray of wrist, 2 views
73110	X-ray of wrist, minimum of 3 views
73120	X-ray of hand, 2 views
73130	X-ray of hand, minimum of 3 views
73140	X-ray of fingers, minimum of 2 views

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
73200	CT scan of arm
73201	CT scan of arm with contrast
73218	MRI scan of arm
73221	MRI scan of arm joint arm joint
73222	MRI scan of arm joint with contrast
73223	MRI scan of arm joint before and after contrast
73500	X-ray of hip, 1 view
73510	X-ray of hip 2 or more views
73520	X-ray of hip minimum 2 views
73530	X-ray of hip during surgery
73550	X-ray of thigh, 2 views
73560	X-ray of knee, 1 or 2 views
73562	X-ray of knee, 3 views
73564	X-ray of knee, 4 or more views
73565	X-ray of both knees, standing, front to back view
73580	X-ray of knee joint
73590	X-ray of lower leg, 2 views
73600	X-ray of ankle, 2 views
73610	X-ray of ankle, minimum of 3 views
73620	X-ray of foot, 2 views
73630	X-ray of foot, minimum of 3 views
73650	X-ray of heel, minimum of 2 views
73660	X-ray of toes, minimum of 2 views
73700	CT scan leg
73701	CT scan leg with contrast injection
73706	CT scan of lower leg blood vessels
73718	MRI scan of leg
73720	MRI scan of leg before and after contrast
73721	MRI scan of leg joint
73723	MRI scan of leg joint before and after contrast

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
73725	MRA scan of leg blood vessels
74000	X-ray of abdomen, single view
74010	Imaging of abdomen
74020	Imaging of abdomen
74022	Imaging of abdomen and chest
74150	CT scan abdomen
74160	CT scan abdomen with contrast
74170	CT scan abdomen before and after contrast
74174	CT scan of abdominal and pelvic blood vessels
74175	CT scan of abdominal blood vessels
74176	CT scan of abdomen and pelvis
74177	CT scan of abdomen and pelvis
74178	CT scan of abdomen and pelvis
74181	MRI scan of abdomen
74182	MRI scan of abdomen with contrast
74183	MRI scan of abdomen before and after contrast
74185	MRI scan of blood vessels of abdomen
74210	X-ray of voice box and/or esophagus
74220	X-ray of esophagus
74230	Imaging for evaluation of swallowing function
74240	X-ray upper GI series delayed films
74241	X-ray upper GI series delayed films
74245	X-ray upper GI series, with small bowel films
74246	X-ray of upper digestive tract glucose or delayed films
74247	X-ray of upper digestive tract glucose, delayed films, or abdomen view
74249	X-ray of upper digestive tract glucose, delayed films, or small bowel films
74250	X-ray of small intestine
74261	Diagnostic CT scan of large bowel
74270	X-ray of large bowel with contrast

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
74280	X-ray of large bowel with air contrast glucose
74300	Imaging of bile duct and/or pancreas during surgery
74305	Imaging of bile ducts through existing catheter pancreas
74327	Imaging of bile duct for removal of stone
74328	Imaging of bile duct for placement of catheter using an endoscope
74330	Placement of catheter of gallbladder and pancreas under imaging using an endoscope
74340	Radiological supervision and interpretation of placement of long small bowel tube procedure
74400	Imaging of urinary tract
74420	Imaging of urinary tract
74425	Imaging of urinary tract
74430	Imaging of urinary bladder, minimum of 3 views
74455	Radiological supervision and interpretation X-ray of urinary bladder and urethra
74475	Radiological supervision and interpretation of placement of catheter into kidney procedure
74480	Radiological supervision and interpretation of placement of catheter into ureter procedure
75561	MRI of heart before and after contrast
75571	CT scan of heart with evaluation of blood vessel calcium
75572	CT scan of heart structure
75574	CT scan of heart blood vessels and grafts with contrast dye
75625	Imaging of artery of abdomen
75630	Imaging of artery of abdomen and leg
75635	CT scan of abdomen artery and legs with contrast
75710	Imaging of artery of arm or leg
75716	Imaging of artery of arms or legs
75726	Imaging of artery of abdomen
75774	Imaging of additional artery
75791	Imaging of artery-vein dialysis shunt

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
75820	Imaging of vein of arm or leg
75827	Imaging of major vein of chest vein
75891	Imaging of vein of liver
75894	Radiological supervision and interpretation of removal of clot procedure
75898	Imaging of blood vessel
75945	Initial ultrasound of blood vessel
75952	Radiological supervision and interpretation of repair of artery of abdomen procedure
75953	Radiological supervision and interpretation of placement of blood vessel prosthesis procedure
75960	Radiological supervision and interpretation of placement of vascular stent procedure
75962	Radiological supervision and interpretation of opening narrowed groin or leg artery procedure
75970	Radiological supervision and interpretation of biopsy procedure
75978	Radiological supervision and interpretation of opening narrowed vein procedure
75984	Imaging of urinary system with contrast monitoring
75989	Radiological supervision and interpretation of placement of catheter with drainage procedure
76000	Imaging guidance for procedure, up to 1 hour
76001	Imaging guidance for procedure, more than 1 hour
76080	Imaging for abscess or abnormal drainage tract procedure
76098	Imaging of surgical specimen
76100	Imaging procedure of body section
76376	3D radiographic procedure
76377	3D radiographic procedure with computerized image postprocessing
76380	CT scan limited or follow-up study
76499	Imaging procedure
76512	Ultrasound of eye disease, growth, or structure

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
76514	Ultrasound of corneal structure and measurement
76516	Ultrasound to determine length from cornea to retina
76519	Ultrasound of eye for determination of lens power
76536	Ultrasound of head and neck
76604	Ultrasound of chest
76645	Ultrasound of breast
76700	Ultrasound of abdomen
76705	Ultrasound of abdomen
76770	Ultrasound behind abdominal cavity
76775	Ultrasound behind abdominal cavity, limited
76776	Ultrasound of transplanted kidney
76800	Ultrasound of spinal canal
76816	Ultrasound re-evaluation of pregnant uterus, per fetus
76818	Ultrasound and monitoring of heart of fetus
76820	Ultrasound of fetal umbilical artery flow rate
76830	Ultrasound pelvis through vagina
76831	Ultrasound of uterus with color-directed blood flow
76856	Ultrasound of pelvis
76857	Ultrasound of pelvis
76870	Ultrasound of scrotum
76872	Ultrasound of rectum
76873	Ultrasound of prostate
76881	Ultrasound of leg or arm
76882	Ultrasound of arm or leg
76937	Ultrasound guidance for accessing into blood vessel
76942	Ultrasonic guidance imaging supervision and interpretation for insertion of needle
76965	Ultrasonic guidance for administration of radiation therapy
76970	Ultrasound follow-up study
76998	Ultrasonic guidance during surgery

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
77001	Fluoroscopic guidance for insertion of device into vein
77002	Fluoroscopic imaging guidance for insertion of device
77003	Fluoroscopic guidance for spine or spinal canal injection
77011	CT scan guidance for stereotactic localization
77012	Radiological supervision and interpretation of CT guidance for needle insertion
77014	CT scan guidance for insertion of radiation therapy fields
77031	Radiological supervision and interpretation of imaging guidance for breast biopsy or insertion of needle
77032	Radiological supervision and interpretation of imaging guidance of breast for insertion of needle
77051	Computer analysis of diagnostic mammogram
77052	Computer analysis of screening mammogram to assist detection of cancer
77055	Mammography of one breast
77056	Mammography of both breasts
77057	Screening mammography of both breasts
77059	MRI scan of both breasts with contrast
77071	Imaging of joint with stressing by physician
77073	Imaging for bone length assessment
77075	X-ray survey of forearm or wrist bone density
77077	Imaging of 2 or more joints, single view
77078	CT scan bone mineral density study 1 or more sites
77080	Bone density measurement spine or hips using dedicated X-ray machine
77081	Bone density measurement forearm/ wrist using dedicated X-ray machine
77082	Spine scanning X-ray done with bone density measurement for spine compression
77261	Management of radiation therapy, simple
77262	Management of radiation therapy, intermediate

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
77263	Management of radiation therapy, complex
77280	Management of radiation therapy simulation, simple
77290	Management of radiation therapy, simulation, complex
77295	Management of radiation therapy, 3D
77300	Calculation of radiation therapy dose
77301	Management of modulation radiotherapy planning
77315	Isodose radiation therapy plan, complex
77321	Radiation therapy total body port plan
77331	Special radiation therapy planning
77332	Radiation treatment devices, design and construction, simple
77333	Radiation treatment devices, design and construction, intermediate
77334	Radiation treatment devices, design and construction, complex
77336	Radiation therapy consultation
77338	Design and construction of device for radiation therapy
77370	Radiation therapy consultation
77401	Radiation treatment delivery, superficial
77402	Radiation treatment delivery, single treatment area
77407	Radiation treatment delivery, two treatment areas, 3 or more ports
77412	Radiation treatment delivery, three or more treatment areas
77413	Radiation treatment delivery, three or more treatment areas
77414	Radiation treatment delivery, three or more treatment areas
77416	Radiation treatment delivery, three or more treatment areas
77417	Therapeutic radiology port films
77418	Intensity modulated radiation treatment delivery
77421	X-ray guidance for radiation therapy delivery
77427	Radiation treatment management, 5 treatments
77432	Stereotactic radiation treatment management of brain lesions
77435	Stereotactic radiation treatment management of 1 or more lesions using imaging guidance
77470	Special radiation treatment procedure

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
77778	Application of radiation source, complex
77785	High dose brachytherapy delivery, 1 channel
77790	Supervision, handling, loading of radiation
78014	Nuclear medicine imaging of thyroid
78018	Nuclear medicine whole body study for thyroid cancer
78070	Imaging of parathyroid
78071	Imaging of parathyroid with nuclear medicine study
78072	Imaging of parathyroid with CT and nuclear medicine study
78195	Imaging of lymphatic tissue and lymph node
78215	Imaging of liver and spleen
78226	Imaging of liver and bile duct system
78227	Imaging of liver and bile duct system with use of drugs
78264	Stomach emptying study
78267	Nuclear medicine study of digestive tract
78268	Nuclear medicine study of digestive tract
78278	Acute digestive tract blood loss imaging
78300	Bone and joint imaging
78305	Bone and joint imaging, multiple areas
78306	Bone and joint imaging, whole body
78315	Bone and joint imaging, 3 phase study
78320	Nuclear medicine study of bone and/or joint
78451	Nuclear medicine study of vessels of heart using drugs or exercise single study
78452	Nuclear medicine study of vessels of heart using drugs or exercise multiple studies
78454	Nuclear medicine multiple studies of vessels of heart at rest, using drugs, or exercise
78472	Nuclear medicine study of heart wall motion at rest or stress with evaluation of blood ejection from heart, single study
78473	Nuclear medicine study of heart function wall motion at rest and stress with evaluation of blood ejection from heart, multiple studies

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
78492	Nuclear medicine study heart muscle at rest and/or stress multiple studies
78494	Nuclear medicine study of heart wall motion at rest with evaluation of blood ejection from heart
78580	Nuclear medicine study of blood circulation in the lungs
78582	Nuclear medicine study of lung ventilation and blood circulation in the lungs
78597	Nuclear medicine study with measurement of blood circulation in the lungs
78598	Nuclear medicine study with measurement of blood circulation in the lungs and ventilation
78607	Nuclear medicine study of brain
78608	Nuclear medicine study brain with metabolic evaluation
78707	Nuclear medicine study of kidney with assessment of blood flow and function
78708	Nuclear medicine study of kidney with assessment of blood flow and function
78802	Nuclear medicine study of radioactive material distribution at tumor locations in whole body
78803	Nuclear medicine study of radioactive material distribution
78806	Nuclear medicine study of radioactive material distribution at sites of inflammation in whole body
78812	Nuclear medicine imaging from skull base to mid-thigh
78815	Nuclear medicine study with CT imaging skull base to mid-thigh
78816	Nuclear medicine study with CT imaging whole body
79005	Oral administration of radioactive material therapy agent
80047	Blood test, basic group of blood chemicals
80048	Blood test, basic group of blood chemicals
80051	Blood test panel for electrolytes (sodium potassium, chloride, carbon dioxide)
80053	Blood test, comprehensive group of blood chemicals
80061	Blood test, lipids (cholesterol and triglycerides)

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
80069	Kidney function blood test panel
80074	Acute hepatitis panel
80076	Liver function blood test panel
80102	Drug confirmation test
80150	Amikacin (antibiotic) level
80152	Amitriptyline (antidepressant) level
80154	Benzodiazepines level
80156	Carbamazepine level
80158	Cyclosporine level
80160	Desipramine level
80162	Digoxin level
80164	Dipropylacetic acid (valproic acid) level
80166	Doxepin level
80170	Gentamicin (antibiotic) level
80174	Imipramine level
80178	Lithium level
80182	Nortriptyline level
80184	Phenobarbital level
80185	Phenytoin level
80186	Phenytoin level
80197	Tacrolimus level
80198	Theophylline level
80200	Tobramycin (antibiotic) level
80202	Vancomycin (antibiotic) level
80299	Quantitation of drug
80500	Clinical pathology consultation
80502	Comprehensive, clinical pathology consultation
81000	Manual urinalysis test with examination using microscope
81001	Manual urinalysis test with examination using microscope
81002	Urinalysis, manual test

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
81003	Automated urinalysis test
81005	Analysis of urine
81007	Urinalysis for bacteria
81015	Urinalysis using microscope
81025	Urine pregnancy test
81050	Urine volume measurement
81225	Gene analysis (cytochrome P450, family 2, subfamily C, polypeptide 19) common variants
81226	Gene analysis (cytochrome P450, family 2, subfamily C, polypeptide 6) common variants
81227	Gene analysis (cytochrome P450, family 2, subfamily C, polypeptide 9) common variants
81240	Gene analysis (prothrombin, coagulation factor II) A variant
81241	Gene analysis (coagulation factor V) Leiden variant
81291	Gene analysis (5, 10-methylenetetrahydrofolate reductase) common variants
82003	Acetaminophen level
82009	Analysis for acetone or ketone bodies to screen for, detect or monitor diabetic disorder
82024	Adrenocorticotrophic hormone (ACTH) level
82040	Albumin (protein) level
82042	Urine albumin (protein) level
82043	Urine microalbumin (protein) level
82044	Urine microalbumin (protein) analysis, (microalbumin)
82055	Alcohol (ethanol) level
82075	Breath alcohol level
82088	Aldosterone hormone level
82105	Alpha-fetoprotein (AFP) level, serum
82140	Ammonia level
82145	Amphetamine or methamphetamine level
82150	Amylase (enzyme) level

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
82172	Apolipoprotein level
82175	Arsenic level
82180	Ascorbic acid (Vitamin C) level, blood
82205	Barbiturates level
82232	Beta-2 microglobulin (protein) level
82247	Bilirubin level
82248	Bilirubin level
82270	Stool analysis for blood to screen for colon tumors
82271	Specimen analysis for blood
82272	Stool analysis for blood
82274	Stool analysis for blood
82306	Vitamin D-3 level
82308	Calcitonin (hormone) level
82310	Calcium level
82330	Calcium level
82340	Urine calcium level
82374	Carbon dioxide (bicarbonate) level
82378	Carcinoembryonic antigen (CEA) protein level
82435	Blood chloride level
82436	Urine chloride level
82465	Cholesterol level
82486	Chemical analysis
82487	Chemical analysis
82491	Chemical analysis
82492	Chemical analysis
82520	Cocaine (drug) level
82533	Cortisol (hormone) measurement
82540	Creatine measurement
82542	Chemical analysis using chromatography technique
82550	Creatine kinase (cardiac enzyme) level

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
82552	Creatine kinase (cardiac enzyme) level
82553	Creatine kinase (cardiac enzyme) level
82565	Blood creatinine level
82570	Creatinine level to test for kidney function or muscle injury
82575	Creatinine clearance measurement to test for kidney function
82607	Cyanocobalamin (vitamin B-12) level
82610	Cystatin C (enzyme inhibitor) level
82627	Dehydroepiandrosterone (DHEA-S) hormone level
82646	Dihydrocodeinone (drug) measurement
82649	Dihydromorphinone (drug) level
82652	Dihydroxyvitamin D, 1, 25 level
82664	Electrophoresis, laboratory testing technique
82668	Erythropoietin (protein) level
82670	Estradiol (hormone) level
82728	Ferritin (blood protein) level
82746	Folic acid level
82747	Folic acid level
82784	Gammaglobulin (immune system protein) measurement
82785	IgE (immune system protein) level
82803	Blood gases measurement
82805	Blood gases measurement
82945	Glucose (sugar) level on body fluid
82947	Blood glucose (sugar) level
82948	Blood glucose (sugar) measurement using reagent strip
82950	Blood glucose (sugar) level after receiving dose of glucose
82962	Blood glucose (sugar) test performed by hand-held instrument
82977	Glutamyltransferase (liver enzyme) level
82985	Glycated protein level
83001	Gonadotropin, follicle stimulating (reproductive hormone) level
83002	Gonadotropin, luteinizing (reproductive hormone) level

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
83010	Haptoglobin (serum protein) level
83013	Breath test analysis for helicobacter pylori
83014	Administration of drug for helicobacter pylori
83020	Hemoglobin analysis and measurement
83021	Hemoglobin analysis and measurement
83036	Hemoglobin A1C level
83037	Hemoglobin A1C level
83090	Homocysteine (amino acid) level
83516	Analysis of substance using immunoassay technique
83518	Analysis of substance using immunoassay technique
83519	Measurement of substance using immunoassay technique
83520	Measurement of substance using immunoassay technique
83525	Insulin measurement
83540	Iron level
83550	Iron binding capacity
83615	Lactate dehydrogenase (enzyme) level
83690	Lipase (fat enzyme) level
83695	Lipoprotein (A) level
83701	Lipoprotein measurement
83704	Lipoprotein measurement
83718	HDL cholesterol level
83719	VLDL cholesterol level
83721	LDL cholesterol level
83735	Magnesium level
83789	Mass spectrometry (laboratory testing method)
83805	Meprobamate (sedative) level
83825	Mercury level
83840	Methadone level
83861	Microfluid analysis of tears
83874	Myoglobin (muscle protein) level

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
83876	Myeloperoxidase (white blood cell enzyme) measurement
83880	Natriuretic peptide (heart and blood vessel protein) level
83883	Nephelometry, test method using light
83921	Organic acid level
83925	Opiates (drug) measurement
83930	Blood osmolality (concentration) measurement
83935	Urine osmolality (concentration) measurement
83970	Parathormone (parathyroid hormone) level
83986	Body fluid pH level
83992	PCP drug level
84075	Phosphatase (enzyme) level
84080	Phosphatase (enzyme) measurement
84100	Phosphate level
84132	Blood potassium level
84133	Urine potassium level
84134	Prealbumin (protein) level
84144	Progesterone (reproductive hormone) level
84146	Prolactin (milk producing hormone) level
84153	PSA (prostate specific antigen) measurement
84154	PSA (prostate specific antigen) measurement
84155	Total protein level, blood
84156	Total protein level, urine
84160	Total protein level
84165	Protein measurement, serum
84166	Protein measurement, body fluid
84181	Protein measurement
84244	Renin (kidney enzyme) level
84270	Sex hormone binding globulin (protein) level
84295	Blood sodium level
84300	Urine sodium level

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
84305	Somatomedin (growth factor) level
84311	Chemical analysis using spectrophotometry (light)
84315	Specific gravity (liquid weight) measurement
84378	Carbohydrate analysis
84402	Testosterone (hormone) level
84403	Testosterone (hormone) level
84432	Thyroglobulin (thyroid related hormone) level
84436	Thyroxine (thyroid chemical) measurement
84439	Thyroxine (thyroid chemical) measurement
84443	Blood test, thyroid stimulating hormone (TSH)
84446	Vitamin E level
84450	Liver enzyme (SGOT), level
84460	Liver enzyme (SGPT), level
84466	Transferrin (iron binding protein) level
84478	Triglycerides level
84479	Thyroid hormone evaluation
84480	Thyroid hormone, T3 measurement
84481	Thyroid hormone, T3 measurement
84484	Troponin (protein) analysis
84520	Urea nitrogen level to assess kidney function
84550	Uric acid level, blood
84630	Zinc level
84681	C-peptide (protein) level
84702	Gonadotropin, chorionic (reproductive hormone) level
84703	Gonadotropin (reproductive hormone) analysis
85004	White blood cell count
85007	Microscopic examination for white blood cells with manual cell count
85008	Microscopic examination for white blood cells
85013	Red blood cell hemoglobin concentration
85014	Red blood cell concentration measurement

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
85018	Hemoglobin measurement
85025	Complete blood cell count (red cells, white blood cell, platelets), automated test
85027	Complete blood cell count (red cells, white blood cell, platelets), automated test
85032	Manual blood cell count
85044	Red blood count, manual test
85045	Red blood count, automated test
85046	Red blood count automated, with additional calculations
85048	Automated white blood cell count
85049	Platelet count, automated test
85060	Blood smear interpretation by physician with written report
85097	Bone marrow, smear interpretation
85379	Coagulation function measurement
85390	Coagulation function screening test with interpretation and report
85576	Platelet function test
85597	Platelet function test
85610	Blood test, clotting time
85651	Red blood cell sedimentation rate, to detect inflammation
85652	Red blood cell sedimentation rate, to detect inflammation
85730	Coagulation assessment blood test
86003	Measurement of antibody (IgE) to allergic substance
86022	Antibody identification test for platelet antibodies
86038	Screening test for autoimmune disorder
86039	Measurement of antibody for assessment of autoimmune disorder
86060	Measurement for Strep antibody (strep throat)
86063	Screening test for Strep antibody (strep throat)
86077	Blood bank physician services for cross-match evaluation and written report
86078	Blood bank physician services for investigation of transfusion reaction with written report

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
86140	Measurement C-reactive protein for detection of infection or inflammation
86141	Measurement C-reactive protein for detection of infection or inflammation
86146	Beta 2 glycoprotein 1 antibody (autoantibody) measurement
86147	Cardiolipin antibody (tissue antibody) measurement
86160	Measurement of complement (immune system proteins)
86200	Measurement of antibody for rheumatoid arthritis assessment
86225	Measurement of DNA antibody
86226	Measurement of DNA antibody
86235	Measurement of antibody for assessment of autoimmune disorder
86255	Screening test for antibody to noninfectious agent
86256	Measurement of antibody to noninfectious agent
86294	Immunologic analysis for detection of tumor antigen
86300	Immunologic analysis for detection of tumor antigen
86301	Immunologic analysis for detection of tumor antigen
86304	Immunologic analysis for detection of tumor antigen
86308	Screening test for mononucleosis (mono)
86318	Detection of infectious agent antibody
86320	Immunologic analysis technique on serum
86325	Immunologic analysis technique on body fluid
86334	Immunologic analysis technique on serum
86335	Immunologic analysis technique on body fluid
86376	Microsomal antibodies (autoantibody) measurement
86386	Protein test for diagnosis and monitoring of bladder cancer
86430	Rheumatoid factor analysis
86431	Rheumatoid factor level
86480	Tuberculosis test
86580	Skin test for tuberculosis
86592	Syphilis detection test
86618	Analysis for antibody <i>Borrelia burgdorferi</i> (Lyme disease bacteria)

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
86677	Analysis for antibody to <i>Helicobacter pylori</i> (gastrointestinal bacteria)
86689	Confirmation test for antibody to Human T-cell lymphotropic virus (HTLV) or HIV virus
86694	Analysis for antibody to Herpes simplex virus
86695	Analysis for antibody to Herpes simplex virus, type 1
86703	Analysis for antibody to HIV-1 and HIV-2 virus
86704	Hepatitis B core antibody measurement
86705	Hepatitis B core antibody (IgM) measurement
86706	Hepatitis B surface antibody measurement
86707	Hepatitis Be antibody measurement
86708	Measurement of Hepatitis A antibody
86709	Measurement of Hepatitis A antibody (IgM)
86735	Analysis for antibody to mumps virus
86738	Analysis for antibody to <i>Mycoplasma</i> (bacteria)
86762	Analysis for antibody to Rubella (German measles virus)
86765	Analysis for antibody to Rubeola (measles virus)
86780	Analysis for antibody, <i>Treponema pallidum</i>
86787	Analysis for antibody to varicella-zoster virus (chicken pox)
86800	Thyroglobulin (thyroid protein) antibody measurement
86803	Hepatitis C antibody measurement
86850	Screening test for red blood cell antibodies
86900	Blood group typing (ABO)
86901	Blood typing for Rh (D) antigen
86906	Blood typing for Rh (D) antigen
87015	Concentration of specimen for infectious agents
87040	Bacterial blood culture
87045	Stool culture
87046	Stool culture
87070	Bacterial culture
87071	Bacterial culture and colony count

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
87075	Bacterial culture
87077	Bacterial culture for aerobic isolates
87081	Screening test for pathogenic organisms
87084	Screening test for pathogenic organisms with colony count
87086	Bacterial colony count, urine
87088	Bacterial urine culture
87101	Fungal culture (mold or yeast skin, hair, or nail)
87102	Fungal culture (mold or yeast)
87106	Fungal culture, yeast
87116	Culture for acid-fast bacilli (TB)
87147	Identification of organisms by immunologic analysis
87158	Microbial identification
87177	Smear for parasites
87184	Evaluation of antimicrobial drug (antibiotic, antifungal, antiviral)
87185	Evaluation of antimicrobial drug (antibiotic, antifungal, antiviral)
87186	Evaluation of antimicrobial drug (antibiotic, antifungal, antiviral)
87205	Special stain for microorganism
87206	Special stain for microorganism
87207	Special stain for microorganism
87210	Smear for infectious agents
87220	Tissue fungi or parasites
87324	Detection test for clostridium difficile toxins (stool pathogen)
87339	Detection test for helicobacter pylori (GI tract bacteria)
87340	Detection test for Hepatitis B surface antigen
87350	Detection test for Hepatitis Be surface antigen
87400	Detection test for Influenza virus, A or B
87430	Detection test for Strep (Streptococcus, group A)
87449	Immunologic analysis for detection of organism
87450	Immunologic analysis for detection of organism
87480	Detection test for candida species (yeast)

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
87481	Detection test for candida species (yeast)
87491	Detection test for chlamydia
87510	Detection test for gardnerella vaginalis (bacteria)
87511	Detection test for gardnerella vaginalis (bacteria)
87517	Detection test for; Hepatitis B virus
87521	Detection test for; Hepatitis C virus
87522	Detection test for; Hepatitis C virus
87591	Detection test for Neisseria gonorrhoeae (gonorrhoeae bacteria)
87621	Detection test for human papillomavirus (HPV)
87660	Detection test for Trichomonas vaginalis (genital parasite)
87797	Detection test for organism
87800	Detection test for multiple organisms
87804	Detection test for influenza virus
87808	Detection test for Trichomonas vaginal (genital parasite)
87880	Strep test (Streptococcus, group A)
87901	Analysis test for HIV-1 virus
87905	Infectious agent enzymatic activity to detect organism
88104	Cell examination of body fluid
88106	Cell examination of body fluid
88108	Cell examination of specimen
88112	Cell examination of specimen
88120	Cell examination of urine
88121	Cell examination of urine
88141	Pap test (Pap smear)
88142	Pap test (Pap smear)
88155	Examination of cervical or vaginal slide for hormonal evaluation
88161	Screening examination of specimen cells
88162	Screening examination of specimen cells
88172	Evaluation of fine needle aspirate
88173	Evaluation of fine needle aspirate with interpretation and report

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
88175	Pap test
88177	Pap test
88184	Flow cytometry technique for DNA or cell analysis
88185	Flow cytometry technique for DNA or cell analysis
88187	Flow cytometry technique for DNA or cell analysis
88188	Flow cytometry technique for DNA or cell analysis
88189	Flow cytometry technique for DNA or cell analysis
88237	Tissue culture for tumor disorders of bone marrow and blood cells
88262	Chromosome analysis for genetic defects
88264	Chromosome analysis for genetic defects
88291	Interpretation and report of genetic testing
88300	Pathology examination of tissue using a microscope, limited examination
88302	Pathology examination of tissue using a microscope
88304	Pathology examination of tissue using a microscope, moderately low complexity
88305	Pathology examination of tissue using a microscope, intermediate complexity
88307	Pathology examination of tissue using a microscope, moderately high complexity
88309	Pathology examination of tissue using a microscope, high complexity
88311	Preparation of tissue for examination by removing any calcium present
88312	Special stained specimen slides to identify organisms including interpretation and report
88313	Special stained specimen slides to examine tissue including interpretation and report
88319	Evaluation of specimen enzymes
88321	Surgical pathology consultation and report
88323	Surgical pathology consultation and report
88325	Comprehensive surgical pathology consultation and report

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
88329	Pathology examination of specimen during surgery
88331	Pathology examination of tissue during surgery
88332	Pathology examination of specimen during surgery
88333	Pathology examination of tissue specimen during surgery
88342	Tissue or cell analysis by immunologic technique
88346	Antibody evaluation
88347	Antibody evaluation
88348	Electron microscopy for diagnosis
88360	Microscopic genetic analysis of tumor
88361	Microscopic genetic analysis of tumor
88363	Microscopic genetic analysis of tissue
88365	Analysis of genetic material
88367	Microscopic genetic analysis of tissue
88368	Microscopic genetic analysis of tissue
88381	Preparation of specimen, manual
88738	Hemoglobin measurement
88740	Hemoglobin measurement
89050	Body fluid cell count
89051	Body fluid cell count with cell identification
89055	White blood cell measure, stool specimen
89060	Crystal identification from tissue or body fluid
90471	Administration of 1 vaccine
90654	Vaccine for influenza virus for injection into skin
90656	Vaccine for influenza injection into muscle, patient 3 years and older
90661	Vaccine for influenza for injection into muscle
90662	Vaccine for influenza injection
90670	Pneumococcal vaccine for injection
90686	Flu vac no prsv 4 val 3 yrs+
90688	Flu vacc 4 val 3 yrs plus im
90703	Tetanus toxoid injection into muscle

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
90714	Vaccine for tetanus and diphtheria toxoids injection into muscle, patient 7 years or older
90715	Vaccine for tetanus, diphtheria toxoids and acellular pertussis (whooping cough) for injection into muscle, patient 7 years or older
90732	Vaccine for pneumococcal polysaccharide for injection into muscle, patient 2 years or older
90746	Vaccine for Hepatitis B adult dosage (3 dose schedule) injection into muscle
90785	Interactive complexity
90791	Psychiatric diagnostic evaluation
90792	Psychiatric diagnostic evaluation with medical services
90832	Psychotherapy, 30 minutes with patient and/or family member
90833	Psychotherapy, 30 minutes with patient and/or family member when performed with an evaluation and management service
90834	Psychotherapy, 45 minutes with patient and/or family member
90836	Psychotherapy, 45 minutes with patient and/or family member when performed with an evaluation and management service
90837	Psychotherapy, 60 minutes with patient and/or family member
90838	Psychotherapy, 60 minutes with patient and/or family member when performed with an evaluation and management service
90839	Psychotherapy for crisis; first 60 minutes
90840	Psychotherapy for crisis; each additional 30 minutes
90846	Family psychotherapy not including patient
90847	Family psychotherapy including patient
90853	Group psychotherapy
90870	Shock treatment and monitoring
90899	Psychiatric service or procedure
90911	Biofeedback training, perineal muscles, anorectal or urethral sphincter
90935	Hemodialysis procedure with one physician evaluation
90937	Hemodialysis procedure with repeated evaluations
90945	Dialysis procedure (other than hemodialysis) including one evaluation

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
90960	Dialysis services (4 or more physician visits per month), patient 20 years of age and older
90961	Dialysis services (2-3 physician visits per month), patient 20 years of age and older
90962	Dialysis services (1 physician visit per month), patient 20 years of age and older
90966	Home dialysis services, patient 20 years of age or older
90970	Dialysis services, per day (less than full month service), patient 20 years of age or older
90989	Dialysis training, patient helper, completed course
91010	Measurement of esophageal swallowing movement
91034	Monitoring and recording of gastroesophageal reflux through nose including analysis and interpretation
91035	Monitoring and recording of gastroesophageal reflux with pH electrode insertion including analysis and interpretation
91037	Monitoring of gastroesophageal reflux including analysis and interpretation
91038	Monitoring of gastroesophageal reflux including analysis and interpretation
91065	Measurement of hydrogen in breath to test for GI symptoms
91110	Administration of oral capsule for evaluation using an endoscope
91122	Study of anorectal pressure generated by muscles surrounding anus (sphincter)
92002	Eye and medical examination for diagnosis and treatment, new patient
92004	Eye and medical examination for diagnosis and treatment, new patient, 1 or more visits
92012	Eye and medical examination for diagnosis and treatment, established patient
92014	Eye and medical examination for diagnosis and treatment, established patient, 1 or more visits
92020	Examination of cornea and iris using lens device and slit lamp

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
92025	Computerized mapping of corneal curvature
92060	Measurement of eye muscles to detect deviation of eyeball
92065	Exercises to correct eyeball muscle imbalances
92071	Fitting of contact lens for treatment of ocular surface disease
92072	Fitting of contact lens for management of corneal degeneration
92081	Measurement of field of vision during daylight conditions
92082	Measurement of field of vision during daylight conditions
92083	Measurement of field of vision during daylight conditions
92100	Multiple measurements of eye fluid pressure
92132	Diagnostic imaging of eyes
92133	Diagnostic imaging of optic nerve of eye
92134	Diagnostic imaging of retina
92136	Measurement of corneal curvature and depth of eye
92140	Glaucoma testing of eye fluid pressure
92225	Examination of eye by ophthalmoscope with retinal drawing
92226	Examination of eye by ophthalmoscope with retinal drawing
92235	Examination of retinal blood vessels by ophthalmoscope
92240	Examination of eye using an endoscope
92250	Photography of the retina
92270	Evaluation of retinal response to light
92275	Recording of retinal electrical responses to external stimuli
92283	Extended color vision examination
92285	Photography of content of eyes
92286	Microscopic evaluation of deep cells of the eye
92499	Service or surgery of the eye
92504	Diagnostic examination of ear and nose
92511	Examination of the nose and throat using an endoscope
92540	Observation, testing, and recording of abnormal eye movement
92541	Observation and recording of abnormal eye movement
92542	Observation and recording from multiple positions of abnormal eye movements

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
92543	Assessment and recording of balance system during irrigation of both ears
92544	Complex eye movement test while viewing objects in visual field
92545	Assessment and recording of abnormal eye movement while tracking moving object
92546	Assessment and recording of abnormal eye movement with patient in a rotating chair
92547	Use of vertical electrodes during eye or balance evaluation
92548	Assessment of balance and postural instability
92550	Assessment of eardrum and muscle function
92552	Pure tone air conduction threshold hearing assessment
92553	Pure tone air and bone conduction hearing assessment
92555	Assessment of speech hearing loss
92556	Assessment of hearing loss and speech recognition
92557	Air and bone conduction assessment of hearing loss and speech recognition
92563	Hearing test using earphones
92567	Eardrum testing using ear probe
92568	Assessment of hearing loss with placement of probe in ear to assess ear bone contraction
92570	Detection of middle ear fluid with assessment of eardrum and muscle function
92584	Testing of nerve from ear to brain (cochlear)
92585	Placement of scalp electrodes for assessment and recording of responses from several areas of the nerve-brain hearing system
92587	Placement of ear probe for computerized measurement of sound with interpretation and report
92588	Placement of ear probe for computerized cochlear assessment of repeated sounds with interpretation and report
92603	Analysis and programming of inner ear (cochlear) implant, patient age 7 years or older

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
92604	Analysis and subsequent reprogramming of inner ear (cochlear) implant, patient age 7 years or older
92610	Evaluation of swallowing function
92611	Fluoroscopic and video recorded motion evaluation of swallowing function
92612	Evaluation of swallowing by cine or video recording using an endoscope
92613	Evaluation, recording, and interpretation of swallowing function using an endoscope
92615	Evaluation of laryngeal sensory testing by cine or video recording using an endoscope
92625	Hearing assessment of abnormal sounds
92626	Evaluation of hearing rehabilitation
92920	Balloon dilation of narrowed or blocked major coronary artery or branch
92928	Catheter insertion of stent in major coronary artery or branch
92933	Removal of plaque and insertion of stent in major coronary artery or branch
92937	Any combination of insertion of stent, removal of plaque and balloon dilation of coronary vessel
92941	Any combination of insertion of stent, removal of plaque and balloon dilation of coronary vessel during heart attack
92950	Attempt to restart heart and lungs
92960	External shock to heart to regulate heart beat
92978	Ultrasound evaluation of heart blood vessel or graft during diagnostic or therapeutic procedure
93000	Routine EKG using at least 12 leads including interpretation and report
93005	Routine electrocardiogram (EKG) with tracing using at least 12 leads
93010	Routine electrocardiogram (EKG) using at least 12 leads with interpretation and report
93015	Exercise or drug-induced heart and blood vessel stress test with EKG monitoring, physician supervision, interpretation, and report

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
93016	Exercise or drug-induced heart and blood vessel stress test with EKG monitoring and physician supervision
93017	Exercise or drug-induced heart and blood vessel stress test with EKG tracing and monitoring
93018	Exercise or drug-induced heart and blood vessel stress test with EKG monitoring, physician interpretation and report
93040	Tracing of electrical activity of heart using 1-3 leads with interpretation and report
93041	Tracing of electrical activity of the heart using 1-3 leads
93042	Interpretation and report of electrical activity of heart using 1-3 leads
93224	Heart rhythm tracing, analysis, and interpretation of 48-hour EKG
93225	Heart rhythm tracing of 48-hour EKG
93226	Heart rhythm analysis, interpretation and report of 48-hour EKG
93227	Heart rhythm tracing, analysis, and interpretation of 48-hour EKG
93228	Heart rhythm tracing, computer analysis, and interpretation of patient-triggered events greater than 24-hour EKG up to 30 days
93229	Heart rhythm tracing, computer analysis, physician prescribed transmission of patient-triggered events greater than 24-hour EKG up to 30 days
93268	Heart rhythm symptom-related tracing and interpretation of 24-hour EKG monitoring up to 30 days
93270	Heart rhythm symptom-related tracing of 24-hour EKG monitoring up to 30 days
93271	Heart rhythm symptom-related transmission and analysis of 24-hour EKG monitoring up to 30 days
93272	Heart rhythm symptom-related interpretation of 24-hour EKG monitoring up to 30 days
93278	Recording to evaluate height and duration of heart beats through damaged heart tissue
93279	Evaluation, testing, and programming adjustment of permanent single lead pacemaker system with physician analysis, review, and report
93280	Evaluation, testing, and programming adjustment of permanent dual lead pacemaker system with physician analysis, review, and report

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
93281	Evaluation, testing, and programming adjustment of permanent multiple lead pacemaker system with physician analysis, review, and report
93282	Evaluation, testing, and programming adjustment of permanent single lead cardioverter-defibrillator including physician analysis, review, and report
93283	Evaluation, testing, and programming adjustment of permanent dual lead cardioverter-defibrillator including physician analysis, review, and report
93284	Evaluation, testing, and programming adjustment of permanent multiple lead cardioverter-defibrillator including physician analysis, review, and report
93285	Evaluation, testing, and programming adjustment of implantable, patient activated heart recorder system including physician analysis, review, and report
93286	Evaluation, physician analysis, review, report, and programming adjustment of single, dual, or multiple lead pacemaker system
93287	Evaluation, physician analysis, review, report, and programming adjustment of single, dual, or multiple lead cardioverter-defibrillator
93288	Evaluation of parameters of single, dual, or multiple lead pacemaker including device connection, recording, and disconnection
93289	Evaluation of parameters of single, dual, or multiple lead cardioverter-defibrillator including device connection, recording, and disconnection
93290	Evaluation of parameters of single, dual, or multiple lead cardioverter-defibrillator including connection, recording, disconnection, and analysis
93291	Evaluation of implantable heart recorder system including physician analysis, review, and report
93293	Telephonic evaluation of single, dual, or multiple lead pacemaker heart rhythm strips up to 90 days
93294	Remote evaluation of single, dual, or multiple lead pacemaker with physician analysis, review, and report up to 90 days
93295	Remote evaluation of single, dual, or multiple lead cardioverter-defibrillator with physician analysis, review, and report up to 90 days

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
93296	Remote evaluation of single, dual, or multiple lead pacemaker or cardioverter-defibrillator transmissions, technician review, support, and distribution of results up to 90 days
93297	Remote evaluation of implantable heart monitoring system with physician analysis, review, and report up to 30 days
93298	Remote evaluation of implantable heart recorder system including physician analysis, review, and report up to 30 days
93299	Remote evaluation of implantable heart recorder system including transmissions, technician review, support, and distribution of results up to 30 days
93303	Ultrasound examination of congenital heart defect
93306	Ultrasound examination of heart including color-depicted blood flow rate, direction, and valve function
93307	Ultrasound examination of heart including color-depicted blood flow rate, direction, and valve function
93308	Follow-up or limited ultrasound examination of heart
93312	Insertion of probe in esophagus for heart ultrasound examination including interpretation and report
93313	Insertion of probe in esophagus for heart ultrasound examination
93314	Interpretation and report of heart ultrasound examination using esophageal probe
93315	Insertion of probe in esophagus for congenital heart ultrasound examination with interpretation and report
93320	Doppler ultrasound study of heart blood flow, valves, and chambers
93321	Follow-up or limited heart doppler ultrasound study of heart blood flow, valves, and chambers
93325	Doppler ultrasound study of color-directed heart blood flow, rate, and valve function
93350	Ultrasound examination of the heart performed during rest, exercise, or drug-induced stress with interpretation and report
93351	Ultrasound examination and continuous monitoring of the heart performed during rest, exercise, or drug-induced stress with interpretation and report

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
93352	Injection of X-ray contrast material for ultrasound examination of the heart
93451	Insertion of catheter for diagnostic evaluation of right heart structures
93452	Insertion of catheter into left heart for diagnosis
93454	Insertion of catheter for imaging of heart blood vessels or grafts
93455	Insertion of catheter for imaging of heart blood vessels or grafts
93456	Insertion of catheter in right heart for X-ray imaging of blood vessels or grafts
93458	Insertion of catheter in left heart for imaging of blood vessels or grafts and left lower heart
93459	Insertion of catheter in left heart for imaging of blood vessels or grafts and left lower heart
93460	Insertion of catheter in right and left heart for imaging of blood vessels or grafts and left lower heart
93461	Insertion of catheter in right and left heart for imaging of blood vessels or grafts and left lower heart
93503	Insertion of catheter into right upper heart chamber and pulmonary (lung) artery for monitoring purposes
93505	Biopsy of the wall dividing the left and right heart
93561	Cardiac output measurements
93566	Injection for X-ray imaging of right upper or lower heart
93567	Injection for X-ray imaging of aorta above heart valve
93571	Ultrasound evaluation of heart blood vessel during diagnosis or treatment
93572	Ultrasound evaluation of heart blood vessel during diagnosis or treatment
93600	Insertion of catheter for recording upper heart rhythm
93602	Insertion of catheter for recording upper heart rhythm
93603	Insertion of catheter for recording of upper and lower heart rhythm
93609	Insertion of catheter for recording to identify origin of abnormal heart rhythm

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
93610	Insertion of temporary pacemaker electrode for diagnostic upper heart pacing
93612	Insertion of temporary pacemaker electrode for diagnostic lower heart pacing
93613	Insertion of catheters for 3D mapping of electrical impulses to heart muscles
93620	Insertion of catheters for recording, pacing, and attempted induction of abnormal rhythm in right upper and lower heart
93621	Insertion of catheters for recording, pacing, and attempted induction of abnormal rhythm in left upper heart
93622	Insertion of catheters for recording, pacing, and attempted induction of abnormal rhythm in left lower heart
93623	Programmed heart rhythm stimulation after drug infusion into a vein
93641	Evaluation of single or dual chamber pacing cardioverter-defibrillator and generator at time of implantation or replacement
93642	Evaluation of single or dual chamber pacing cardioverter-defibrillator with programming or reprogramming
93650	Insertion of catheters for creation of complete heart block
93653	Evaluation and insertion of catheters for creation of complete heart block
93655	Insertion of catheters for treatment of abnormal heart rhythm
93656	Evaluation and insertion of catheters for recording, pacing, and treatment of abnormal heart rhythm
93657	Insertion of catheters for treatment of abnormal heart rhythm
93660	Evaluation of heart function using tilt table
93662	Ultrasound evaluation of heart blood vessel during treatment or diagnostic procedure
93701	Measurement of heart blood flow and respiration
93750	Evaluation of lower heart chamber assist device with physician analysis
93784	Ambulatory blood pressure monitoring, recording, scanning analysis, interpretation, and report 24 hours or longer

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
93790	Ambulatory longer blood pressure monitoring, physician interpretation and report 24 hours or longer
93797	Physician services for outpatient heart cardiac rehabilitation
93798	Physician services for outpatient heart rehabilitation with continuous EKG monitoring
93880	Ultrasound scanning of head and neck vessel blood flow (outside the brain)
93882	Ultrasound limited scanning of head and neck blood flow (outside the brain)
93886	Ultrasound scanning of head and neck vessel blood flow (inside the brain)
93888	Ultrasound limited scanning of head and neck blood flow (inside the brain)
93890	Ultrasound scanning for medication response in head and neck vessel blood flow (inside the brain)
93892	Ultrasound scanning for blood clot detection in head and neck vessel blood flow (inside the brain)
93893	Ultrasound scanning for blood clot detection with microbubble injection in head and neck vessel blood flow (inside the brain)
93922	Ultrasound study of arteries of legs
93923	Ultrasound study of arteries of legs with functional maneuvers
93924	Ultrasound study of arteries of legs at rest and exercise
93925	Ultrasound study of arteries and arterial grafts of legs
93926	Ultrasound limited or study of arteries and arterial grafts of legs
93930	Ultrasound study of arteries and arterial grafts of arms
93931	Ultrasound limited study of arteries and arterial grafts of arm
93965	Ultrasound study of veins of arms or legs including assessment of functional maneuvers
93970	Ultrasound scan of veins of arms or legs including assessment of compression and functional maneuvers
93971	Ultrasound scan limited study of arm or leg veins including assessment of compression and functional maneuvers

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
93975	Ultrasound scan of abdominal, pelvic, scrotal or abdominal cavity arterial inflow and venous outflow
93976	Ultrasound limited scan of abdominal, pelvic, scrotal or abdominal cavity arterial inflow and venous outflow
93978	Ultrasound scan of vena cava or groin graft or vessel blood flow
93979	Ultrasound limited scan of vena cava or groin graft or vessel blood flow
93980	Ultrasound scan of of penile arterial inflow and venous outflow
93990	Ultrasound of dialysis access
94002	Ventilation assistance and management, initial hospital inpatient or observation day
94003	Ventilation assistance and management, subsequent inpatient or observation day
94004	Ventilation assistance and management, nursing facility per day
94010	Measurement and graphic recording of total and timed exhaled air capacity
94060	Measurement and graphic recording of the amount and speed of breathed air, before and following medication administration
94070	Multiple measurements and graphic recordings of the amount and speed of breathed air, before and following medication administration
94200	Measurement of largest amount of air breathed in an out of lungs over one minute
94250	Single measurement of remaining air or lung capacity after exhalation
94375	Diagnostic testing in a pulmonary function lab
94453	Testing of lung function at high altitude with supplemental oxygen delivery
94620	Pulmonary exercise testing
94621	Pulmonary exercise testing
94640	Respiratory inhaled pressure or nonpressure treatment to relieve airway obstruction or for sputum specimen
94642	Inhaled pneumonia treatment
94644	Respiratory inhaled aerosol treatment to relieve airway obstruction

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
94660	Initiation and management of continued pressured respiratory assistance by mask or breathing tube
94664	Demonstration or evaluation of patient use of aerosol generator, nebulizer, metered dose inhaler or intermittent positive pressure breathing (IPPB) device
94667	Initial demonstration or evaluation of manual maneuvers to chest wall to assist movement of lung secretions
94668	Subsequent manual maneuvers to chest wall to assist movement of lung secretions
94680	Collection and analysis of exhaled air for evaluation of lung function during rest and exercise
94681	Collection and analysis of exhaled air and carbon dioxide for evaluation of lung function
94690	Collection and analysis of exhaled air for evaluation of lung function at rest
94726	Determination of lung volumes using plethysmography
94727	Determination of lung volumes using gas dilution or washout
94728	Measurement of airway resistance by impulse oscillometry
94729	Measurement of lung diffusing capacity
94750	Measurement of lung stretching capacity
94760	Measurement of oxygen saturation in blood using ear or finger device
94761	Multiple measurements of oxygen saturation in blood using ear or finger device
94762	Overnight measurement of oxygen saturation in blood using ear or finger device
95004	Injection of allergenic extracts into skin for immediate reaction analysis
95012	Measurement of inhaled nitric oxide gas
95018	Allergy testing with drugs or biologicals into skin, immediate type reaction, including test interpretation and report
95024	Injection of allergenic extracts into skin for immediate reaction analysis

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
95027	Injection of allergenic extracts for airborne allergens into skin for immediate reaction analysis
95028	Injection of allergenic extracts into skin with delayed reaction analysis
95044	Application of allergenic extract skin patch with reaction analysis
95060	Application of allergenic extract onto mucous membrane of eye with reaction analysis
95115	Injection of incremental dosages of allergen
95117	Injection of incremental dosages of allergen, 2 or more injections
95165	Preparation and provision of single or multiple antigens for allergen immunotherapy
95250	Ambulatory continuous glucose (sugar) monitoring
95251	Ambulatory continuous glucose (sugar) including interpretation and report
95800	Study of sleep patterns
95806	Unattended sleep study with recording of heart rate, oxygen, respiratory airflow and effort
95807	Sleep study attended by a technician
95808	Sleep monitoring of patient (any age) in sleep lab
95810	Sleep monitoring of patient (6 years or older) in sleep lab
95811	Sleep monitoring of patient (6 years or older) in sleep lab with continued pressured respiratory assistance by mask or breathing tube
95812	Measurement of brain wave (EEG) activity, 41-60 minutes
95813	Measurement of brain wave (EEG) activity greater than 1 hour
95816	Measurement and recording of brain wave (EEG) activity, awake and drowsy
95819	Measurement and recording of brain wave (EEG) activity, awake and asleep
95822	Measurement and recording of brain wave (EEG) activity, in coma or asleep
95831	Manual muscle testing of arm (excluding hand) leg or trunk
95851	Range of motion testing of arm (excluding hand) leg or each spine section trunk

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
95860	Needle measurement and recording of electrical activity of muscles of arm or leg
95861	Needle measurement and recording of electrical activity of muscles of arms or legs
95868	Needle measurement and recording of electrical activity of muscles of cranial nerve supplied muscles
95870	Needle measurement and recording of electrical activity of muscles in arm or leg or non-limb muscles other than middle spinal or cranial nerve supplied muscles
95873	Electrical stimulation for guidance with injection of chemical for destruction of muscles
95874	Needle measurement and recording of electrical activity of muscles for guidance with injection of chemical for destruction of muscles
95885	Needle measurement and recording of electrical activity of muscles of arm or leg and spinal muscles limited study
95886	Needle measurement and recording of electrical activity of muscles of arm or leg and spinal muscles complete study
95887	Needle measurement and recording of electrical activity of muscles non-limb muscles
95905	Needle measurement and recording of movement and feeling with interpretation and report
95907	Nerve transmission studies, 1-2 studies
95908	Nerve transmission studies, 3-4 studies
95909	Nerve transmission studies, 5-6 studies
95910	Nerve transmission studies, 7-8 studies
95911	Nerve transmission studies, 9-10 studies
95912	Nerve transmission studies, 11-12 studies
95913	Nerve transmission studies, 13 or more studies
95921	Testing of autonomic (sympathetic) nervous system function
95922	Testing of autonomic (sympathetic) nervous system function at least 5 minutes of tilt
95923	Testing of autonomic (sympathetic) nervous system function

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
95924	Testing of autonomic (sympathetic) nervous system function, at least 5 minutes of tilt
95925	Insertion of needles and skin electrodes for measurement and recording of stimulated sites in the arms
95926	Insertion of needles and skin electrodes for measurement and recording of stimulated sites in the legs
95930	Measurement and recording of nerve conduction patterns using visually-evoked stimulation
95937	Testing with stimulation with assessment of function at muscle-nerve junction
95938	Insertion of needles and skin electrodes for measurement and recording of stimulated sites in the arms and legs
95939	Insertion of needles and skin electrodes for measurement and recording of stimulated sites in the arms and legs
95940	Continuous monitoring of nervous system during operation, each 15 minutes
95951	Monitoring and localization of seizure activity over 24-hour period using 16-channel electroencephalograph (EEG)
95953	Monitoring and localization of seizure activity over 24-hour period using portable 16-channel electroencephalograph (EEG)
95955	Measurement of electrical activity (EEG) outside the brain during surgery
95957	Digital analysis of electrical brain wave activity (EEG)
95965	Measurement and recording of spontaneous brain processing function using magnetic fields
95970	Electronic analysis of implanted simple or complex brain spinal cord or peripheral neurostimulator generator system
95971	Electronic analysis and programming of implanted simple spinal cord neurostimulator generator system during or subsequent to surgery
95972	Electronic analysis and programming of implanted complex spinal cord neurostimulator generator system during or subsequent to surgery first hour

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
95974	Electronic analysis and programming of implanted complex cranial neurostimulator generator system during or subsequent to surgery first hour
95978	Electronic analysis and programming of implanted complex deep brain neurostimulator generator system
95979	Electronic analysis and programming of implanted complex deep brain neurostimulator generator system
95990	Refilling and maintenance of implantable spinal or brain drug delivery pump or reservoir
95991	Refilling and maintenance by physician of implantable spinal or brain drug delivery pump or reservoir
95992	Repositioning maneuvers for treatment of vertigo
96101	Psychological testing with interpretation and report by psychologist or physician per hour
96102	Psychological testing with interpretation and report by technician per hour
96103	Psychological testing with interpretation and report by computer
96111	Developmental testing
96116	Neurobehavioral status examination, interpretation, and report by psychologist or physician per hour
96118	Neuropsychological testing, interpretation, and report by psychologist or physician per hour
96119	Neuropsychological testing by technician with interpretation and report by a qualified healthcare professional per hour
96120	Neuropsychological testing by a computer with interpretation and report by a qualified healthcare professional
96150	Health and behavior assessment each 15 minutes
96152	Health and behavior intervention, individual each 15 minutes
96154	Health and behavior intervention, family and patient each 15 minutes
96360	Hydration infusion into a vein 31 minutes to 1 hour
96361	Hydration infusion into a vein each additional hour
96365	Infusion into a vein for therapy, prevention, or diagnosis up to 1 hour

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
96366	Infusion into a vein for therapy, prevention, or diagnosis each additional hour
96367	Infusion into a vein for therapy prevention or diagnosis additional sequential infusion up to 1 hour
96368	Infusion into a vein for therapy, prevention, or diagnosis, concurrent with another infusion
96369	Infusion into tissue for therapy or prevention up to 1 hour
96370	Infusion into tissue for therapy or prevention each additional hour
96372	Injection into tissue or muscle for therapy, diagnosis, or prevention
96374	Injection of drug or substance into a vein for therapy
96375	Injection of different drug or substance into a vein for therapy
96401	Non-hormonal anti-neoplastic chemotherapy into tissue or muscle
96402	Hormonal anti-neoplastic chemotherapy into tissue or muscle
96409	Infusion of chemotherapy into a vein using push technique
96411	Infusion of additional chemotherapy drug or substance into a vein
96413	Infusion of chemotherapy into a vein up to 1 hour
96415	Infusion of chemotherapy into a vein each additional hour
96416	Prolonged chemotherapy infusion into a vein by portable or implanted pump more than 8 hours
96417	Infusion of different chemotherapy drug or substance into a vein up to 1 hour
96521	Refilling and maintenance of portable pump
96523	Irrigation of implanted venous access drug delivery device
96567	Application of light to aid destruction of premalignant or malignant skin growths
96900	Application of ultraviolet light to skin
96904	Whole body skin photography
96910	Skin application of tar and ultraviolet B or petrolatum and ultraviolet B
96912	Application of chemical agents activated by ultraviolet light to skin
96920	Laser treatment (total area less than 250 sq centimeters) for inflammatory skin disease

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
97001	Physical therapy evaluation
97002	Physical therapy re-evaluation
97003	Occupational therapy evaluation
97012	Application of mechanical traction to 1 or more areas
97016	Application of blood vessel compression/decompression device to 1 or more areas
97018	Application of hot wax bath to 1 or more areas
97022	Application of whirlpool therapy to 1 or more areas
97026	Application of low energy heat (infrared) to 1 or more areas
97032	Application of electrical stimulation to 1 or more areas, each 15 minutes
97033	Application of medication through skin using electrical current, each 15 minutes
97035	Application of ultrasound to 1 or more areas, each 15 minutes
97110	Therapeutic exercise to develop strength, endurance, range of motion, and flexibility, each 15 minutes
97112	Therapeutic procedure to re-educate brain-to-nerve-to-muscle function, each 15 minutes
97113	Water pool therapy with therapeutic exercises to 1 or more areas, each 15 minutes
97116	Walking training to 1 or more areas, each 15 minutes
97124	Therapeutic massage to 1 or more areas, each 15 minutes
97140	Manual (physical) therapy techniques to 1 or more regions, each 15 minutes
97150	Therapeutic procedures in a group setting
97530	Therapeutic activities to improve function, with one-on-one contact between patient and provider, each 15 minutes
97532	Development of cognitive skills to improve attention, memory, or problem solving, each 15 minutes
97535	Self-care or home management training, each 15 minutes
97597	Removal of tissue from wounds
97598	Removal of tissue from wounds

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
97605	Negative or vacuum pressure wound therapy
97750	Physical performance test or measurement with report, each 15 minutes
97760	Orthotic management of arm or leg and/or trunk each 15 minutes
97762	Evaluation of orthotic or prosthetic use, each 15 minutes
97802	Medical nutrition therapy initial assessment and intervention, each 15 minutes
97803	Medical nutrition therapy re-assessment and intervention, each 15 minutes
97804	Medical nutrition therapy performed in a group setting, each 30 minutes
98925	Osteopathic manipulative treatment to 1-2 body regions
98926	Osteopathic manipulative treatment to 3-4 body regions
98927	Osteopathic manipulative treatment to 5-6 body regions
98928	Osteopathic manipulative treatment to 7-8 body regions
98929	Osteopathic manipulative treatment to 9-10 body regions
98940	Chiropractic manipulative treatment, 1-2 spinal regions
98941	Chiropractic manipulative treatment, 3 to 4 spinal regions
98942	Chiropractic manipulative treatment, 5 spinal regions
99144	Moderate sedation services by physician also performing a procedure, patient 5 years of age or older, first 30 minutes
99145	Moderate sedation services by physician also performing a procedure, each additional 15 minutes
99183	Management and supervision of oxygen chamber therapy
99195	Therapeutic removal of whole blood to correct blood level imbalance
99201	New patient office or other outpatient visit, typically 10 minutes
99202	New patient office or other outpatient visit, typically 20 minutes
99203	New patient office or other outpatient visit, typically 30 minutes
99204	New patient office or other outpatient visit, typically 45 minutes
99205	New patient office or other outpatient visit, typically 60 minutes
99211	Established patient office or other outpatient visit, typically 5 minutes

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
99212	Established patient office or other outpatient visit, typically 10 minutes
99213	Established patient office or other outpatient visit, typically 15 minutes
99214	Established patient office or other outpatient, visit typically 25 minutes
99215	Established patient office or other outpatient, visit typically 40 minutes
99217	Hospital observation care discharge
99218	Hospital observation care typically 30 minutes
99219	Hospital observation care typically 50 minutes
99220	Hospital observation care typically 70 minutes
99221	Initial hospital inpatient care, typically 30 minutes per day
99222	Initial hospital inpatient care, typically 50 minutes per day
99223	Initial hospital inpatient care, typically 70 minutes per day
99224	Subsequent observation care, typically 15 minutes per day
99225	Subsequent observation care, typically 25 minutes per day
99226	Subsequent observation care, typically 35 minutes per day
99231	Subsequent hospital inpatient care, typically 15 minutes per day
99232	Subsequent hospital inpatient care, typically 25 minutes per day
99233	Subsequent hospital inpatient care, typically 35 minutes per day
99234	Hospital observation or inpatient care low severity
99235	Hospital observation or inpatient care moderate severity
99236	Hospital observation or inpatient care high severity
99238	Hospital discharge day management, 30 minutes or less
99239	Hospital discharge day management, more than 30 minutes
99281	Emergency department visit, self limited or minor problem
99282	Emergency department visit, low to moderately severe problem
99283	Emergency department visit, moderately severe problem
99284	Emergency department visit, problem of high severity

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
99285	Emergency department visit, problem with significant threat to life or function
99291	Critical care delivery critically ill or injured patient, first 30-74 minutes
99292	Critical care delivery critically ill or injured patient, each additional 30 minutes
99304	Initial nursing facility initial visit, typically 25 minutes
99305	Initial nursing facility visit, typically 35 minutes per day
99306	Initial nursing facility visit, typically 45 minutes per day
99307	Subsequent nursing facility visit, typically 10 minutes per day
99308	Subsequent nursing facility visit, typically 15 minutes per day
99309	Subsequent nursing facility visit, typically 25 minutes per day
99310	Subsequent nursing facility visit, typically 35 minutes per day
99315	Nursing facility discharge day management, 30 minutes or less
99316	Nursing facility discharge management, more than 30 minutes
99318	Nursing facility annual assessment, typically 30 minutes
99324	New patient assisted living visit, typically 20 minutes
99325	New patient assisted living visit, typically 30 minutes
99326	New patient assisted living visit, typically 45 minutes
99327	New patient assisted living visit, typically 60 minutes
99328	New patient assisted living visit, typically 75 minutes
99334	Established patient assisted living visit, typically 15 minutes
99335	Established patient assisted living visit, typically 25 minutes
99336	Established patient assisted living visit, typically 40 minutes
99337	Established patient assisted living visit, typically 60 minutes
99341	New patient home visit, typically 20 minutes
99342	New patient home visit, typically 30 minutes
99343	New patient home visit, typically 45 minutes
99344	New patient home visit, typically 60 minutes
99345	New patient home visit, typically 75 minutes
99347	Established patient home visit, typically 15 minutes

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
99348	Established patient home visit, typically 25 minutes
99349	Established patient home visit, typically 40 minutes
99350	Established patient home visit, typically 60 minutes
99354	Prolonged office or other outpatient service first hour
99355	Prolonged office or other outpatient service each 30 minutes beyond first hour
99356	Prolonged inpatient or observation hospital service first hour
99357	Prolonged inpatient or observation hospital service each 30 minutes beyond first hour
99406	Smoking and tobacco use intermediate counseling, greater than 3 minutes up to 10 minutes
99407	Smoking and tobacco use intensive counseling, greater than 10 minutes
99495	Transitional care management services with communication with the patient and/or caregiver within 2 business days of discharge, medical decision making of at least moderate complexity during the service period face-to-face visit, within 14 calendar days of
99496	Transitional care management services with communication with the patient and/or caregiver within 2 business days of discharge, medical decision making of high complexity during the service period face-to-face visit, within 7 calendar days of discharge
A0425	Ground mileage, per statute mile
A0426	Ambulance service, advanced life support, non-emergency transport, level 1 (als 1)
A0427	Ambulance service, advanced life support, emergency transport, level 1 (als1-emergency)
A0428	Ambulance service, basic life support, non-emergency transport, (bls)
A0429	Ambulance service, basic life support, emergency transport (bls-emergency)
A0430	Ambulance service, conventional air services, transport, one way (fixed wing)
A0431	Ambulance service, conventional air services, transport, one way (rotary wing)

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
A0433	Advanced life support, level 2 (als 2)
A0434	Specialty care transport (sct)
A0435	Fixed wing air mileage, per statute mile
A0436	Rotary wing air mileage, per statute mile
A0999	Unlisted ambulance service
A4562	Pessary, non rubber, any type
A4565	Slings
A4648	Tissue marker, implantable, any type, each
A9500	Technetium tc-99m sestamibi, diagnostic, per study dose
A9502	Technetium tc-99m tetrofosmin, diagnostic, per study dose
A9503	Technetium tc-99m medronate, diagnostic, per study dose, up to 30 millicuries
A9505	Thallium tl-201 thallos chloride, diagnostic, per millicurie
A9537	Technetium tc-99m mebrofenin, diagnostic, per study dose, up to 15 millicuries
A9541	Technetium tc-99m sulfur colloid, diagnostic, per study dose, up to 20 millicuries
A9552	Fluorodeoxyglucose f-18 fdg, diagnostic, per study dose, up to 45 millicuries
A9555	Rubidium rb-82, diagnostic, per study dose, up to 60 millicuries
A9561	Technetium tc-99m oxidronate, diagnostic, per study dose, up to 30 millicuries
A9576	Injection, gadoteridol, (prohance multipack), per ml
A9577	Injection, gadobenate dimeglumine (multihance), per ml
A9579	Injection, gadolinium-based magnetic resonance contrast agent, not otherwise specified (nos), per ml
A9581	Injection, gadoxetate disodium, 1 ml
A9585	Injection, gadobutrol, 0. 1 ml
G0008	Administration of influenza virus vaccine
G0009	Administration of pneumococcal vaccine
G0010	Administration of hepatitis b vaccine

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
G0101	Cervical or vaginal cancer screening; pelvic and clinical breast examination
G0102	Prostate cancer screening; digital rectal examination
G0103	Prostate cancer screening; prostate specific antigen test (psa)
G0105	Colorectal cancer screening; colonoscopy on individual at high risk
G0108	Diabetes outpatient self-management training services, individual, per 30 minutes
G0109	Diabetes outpatient self-management training services, group session (2 or more), per 30 minutes
G0121	Colorectal cancer screening; colonoscopy on individual not meeting criteria for high risk
G0123	Screening cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation, screening by cytotechnologist under physician supervision
G0124	Screening cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation, requiring interpretation by physician
G0127	Trimming of dystrophic nails, any number
G0141	Screening cytopathology smears, cervical or vaginal, performed by automated system, with manual rescreening, requiring interpretation by physician
G0143	Screening cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation, with manual screening and rescreening by cytotechnologist under physician supervision
G0145	Screening cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation, with screening by automated system and manual rescreening under physician supervision
G0166	External counterpulsation, per treatment session
G0168	Wound closure utilizing tissue adhesive(s) only

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
G0179	Physician re-certification for medicare-covered home health services under a home health plan of care (patient not present), including contacts with home health agency and review of reports of patient status required by physicians to affirm the initial im
G0180	Physician certification for medicare-covered home health services under a home health plan of care (patient not present), including contacts with home health agency and review of reports of patient status required by physicians to affirm the initial imple
G0181	Physician supervision of a patient receiving medicare-covered services provided by a participating home health agency (patient not present) requiring complex and multidisciplinary care modalities involving regular physician development and/or revision of c
G0182	Physician supervision of a patient under a medicare-approved hospice (patient not present) requiring complex and multidisciplinary care modalities involving regular physician development and/or revision of care plans, review of subsequent reports of patien
G0202	Screening mammography, producing direct digital image, bilateral, all views
G0204	Diagnostic mammography, producing direct digital image, bilateral, all views
G0206	Diagnostic mammography, producing direct digital image, unilateral, all views
G0237	Therapeutic procedures to increase strength or endurance of respiratory muscles, face to face, one on one, each 15 minutes (includes monitoring)
G0238	Therapeutic procedures to improve respiratory function, other than described by g0237, one on one, face to face, per 15 minutes (includes monitoring)
G0246	Follow-up physician evaluation and management of a diabetic patient with diabetic sensory neuropathy resulting in a loss of protective sensation (lops) to include at least the following: (1) a patient history, (2) a physical examination that includes: (a)

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
G0247	Routine foot care by a physician of a diabetic patient with diabetic sensory neuropathy resulting in a loss of protective sensation (lops) to include, the local care of superficial wounds (i. e. superficial to muscle and fascia) and at least the following
G0249	Provision of test materials and equipment for home inr monitoring of patient with either mechanical heart valve(s), chronic atrial fibrillation, or venous thromboembolism who meets medicare coverage criteria; includes: provision of materials for use in the
G0250	Physician review, interpretation, and patient management of home inr testing for patient with either mechanical heart valve(s), chronic atrial fibrillation, or venous thromboembolism who meets medicare coverage criteria; testing not occurring more frequent
G0260	Injection procedure for sacroiliac joint; provision of anesthetic, steroid and/or other therapeutic agent, with or without arthrography
G0268	Removal of impacted cerumen (one or both ears) by physician on same date of service as audiologic function testing
G0270	Medical nutrition therapy; reassessment and subsequent intervention(s) following second referral in same year for change in diagnosis, medical condition or treatment regimen (including additional hours needed for renal disease), individual, face to face wi
G0275	Renal angiography, non-selective, one or both kidneys, performed at the same time as cardiac catheterization and/or coronary angiography, includes positioning or placement of any catheter in the abdominal aorta at or near the origins (ostia) of the renal a
G0278	Iliac and/or femoral artery angiography, non-selective, bilateral or ipsilateral to catheter insertion, performed at the same time as cardiac catheterization and/or coronary angiography, includes positioning or placement of the catheter in the distal aorta
G0281	Electrical stimulation, (unattended), to one or more areas, for chronic stage iii and stage iv pressure ulcers, arterial ulcers, diabetic ulcers, and venous stasis ulcers not demonstrating measurable signs of healing after 30 days of conventional care, as
G0283	Electrical stimulation (unattended), to one or more areas for indication(s) other than wound care, as part of a therapy plan of care

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
G0289	Arthroscopy, knee, surgical, for removal of loose body, foreign body, debridement/shaving of articular cartilage (chondroplasty) at the time of other surgical knee arthroscopy in a different compartment of the same knee
G0306	Complete cbc, automated (hgb, hct, rbc, wbc, without platelet count) and automated wbc differential count
G0307	Complete (cbc), automated (hgb, hct, rbc, wbc; without platelet count)
G0328	Colorectal cancer screening; fecal occult blood test, immunoassay, 1-3 simultaneous
G0364	Bone marrow aspiration performed with bone marrow biopsy through the same incision on the same date of service
G0365	Vessel mapping of vessels for hemodialysis access (services for preoperative vessel mapping prior to creation of hemodialysis access using an autogenous hemodialysis conduit, including arterial inflow and venous outflow)
G0372	Physician service required to establish and document the need for a power mobility device
G0389	Ultrasound b-scan and/or real time with image documentation; for abdominal aortic aneurysm (aaa) screening
G0396	Alcohol and/or substance (other than tobacco) abuse structured assessment (e. g. , audit, dast), and brief intervention 15 to 30 minutes
G0398	Home sleep study test (hst) with type ii portable monitor, unattended; minimum of 7 channels: eeg, eog, emg, ecg/heart rate, airflow, respiratory effort and oxygen saturation
G0399	Home sleep test (hst) with type iii portable monitor, unattended; minimum of 4 channels: 2 respiratory movement/airflow, 1 ecg/heart rate and 1 oxygen saturation
G0402	Initial preventive physical examination; face-to-face visit, services limited to new beneficiary during the first 12 months of medicare enrollment
G0403	Electrocardiogram, routine ecg with 12 leads; performed as a screening for the initial preventive physical examination with interpretation and report

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
G0404	Electrocardiogram, routine ecg with 12 leads; tracing only, without interpretation and report, performed as a screening for the initial preventive physical examination
G0405	Electrocardiogram, routine ecg with 12 leads; interpretation and report only, performed as a screening for the initial preventive physical examination
G0416	Surgical pathology, gross and microscopic examinations for prostate needle saturation biopsy sampling, 10-20 specimens
G0420	Face-to-face educational services related to the care of chronic kidney disease; individual, per session, per one hour
G0421	Face-to-face educational services related to the care of chronic kidney disease; group, per session, per one hour
G0426	Telehealth consultation, emergency department or initial inpatient, typically 50 minutes communicating with the patient via telehealth
G0431	Drug screen, qualitative; multiple drug classes by high complexity test method (e. g. , immunoassay, enzyme assay), per patient encounter
G0432	Infectious agent antibody detection by enzyme immunoassay (eia) technique, hiv-1 and/or hiv-2, screening
G0434	Drug screen, other than chromatographic; any number of drug classes, by clia waived test or moderate complexity test, per patient encounter
G0436	Smoking and tobacco cessation counseling visit for the asymptomatic patient; intermediate, greater than 3 minutes, up to 10 minutes
G0437	Smoking and tobacco cessation counseling visit for the asymptomatic patient; intensive, greater than 10 minutes
G0438	Annual wellness visit; includes a personalized prevention plan of service (pps), initial visit
G0439	Annual wellness visit, includes a personalized prevention plan of service (pps), subsequent visit
G0442	Annual alcohol misuse screening, 15 minutes
G0444	Annual depression screening, 15 minutes
G0446	Annual, face-to-face intensive behavioral therapy for cardiovascular disease, individual, 15 minutes
G0447	Face-to-face behavioral counseling for obesity, 15 minutes

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
G0452	Molecular pathology procedure; physician interpretation and report
G0453	Continuous intraoperative neurophysiology monitoring, from outside the operating room (remote or nearby), per patient, (attention directed exclusively to one patient) each 15 minutes (list in addition to primary procedure)
G0454	Physician documentation of face-to-face visit for durable medical equipment determination performed by nurse practitioner, physician assistant or clinical nurse specialist
G9008	Coordinated care fee, physician coordinated care oversight services
J0129	Injection, abatacept, 10 mg (code may be used for medicare when drug administered under the direct supervision of a physician, not for use when drug is self administered)
J0152	Injection, adenosine for diagnostic use, 30 mg (not to be used to report any adenosine phosphate compounds; instead use a9270)
J0178	Injection, aflibercept, 1 mg
J0280	Injection, aminophyllin, up to 250 mg
J0287	Injection, amphotericin b lipid complex, 10 mg
J0295	Injection, ampicillin sodium/sulbactam sodium, per 1. 5 gm
J0461	Injection, atropine sulfate, 0. 01 mg
J0475	Injection, baclofen, 10 mg
J0561	Injection, penicillin g benzathine, 100,000 units
J0585	Injection, onabotulinumtoxina, 1 unit
J0587	Injection, rimabotulinumtoxinb, 100 units
J0600	Injection, edetate calcium disodium, up to 1000 mg
J0610	Injection, calcium gluconate, per 10 ml
J0640	Injection, leucovorin calcium, per 50 mg
J0641	Injection, levoleucovorin calcium, 0. 5 mg
J0690	Injection, cefazolin sodium, 500 mg
J0692	Injection, cefepime hydrochloride, 500 mg
J0696	Injection, ceftriaxone sodium, per 250 mg
J0698	Injection, cefotaxime sodium, per gm

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
J0702	Injection, betamethasone acetate 3mg and betamethasone sodium phosphate 3mg
J0718	Injection, certolizumab pegol, 1 mg
J0725	Injection, chorionic gonadotropin, per 1,000 usp units
J0881	Injection, darbepoetin alfa, 1 microgram (non-esrd use)
J0885	Injection, epoetin alfa, (for non-esrd use), 1000 units
J0897	Injection, denosumab, 1 mg
J1000	Injection, depo-estradiol cypionate, up to 5 mg
J1020	Injection, methylprednisolone acetate, 20 mg
J1030	Injection, methylprednisolone acetate, 40 mg
J1040	Injection, methylprednisolone acetate, 80 mg
J1070	Injection, testosterone cypionate, up to 100 mg
J1080	Injection, testosterone cypionate, 1 cc, 200 mg
J1100	Injection, dexamethasone sodium phosphate, 1mg
J1170	Injection, hydromorphone, up to 4 mg
J1200	Injection, diphenhydramine hcl, up to 50 mg
J1245	Injection, dipyridamole, per 10 mg
J1250	Injection, dobutamine hydrochloride, per 250 mg
J1335	Injection, ertapenem sodium, 500 mg
J1380	Injection, estradiol valerate, up to 10 mg
J1440	Injection, filgrastim (g-csf), 300 mcg
J1441	Injection, filgrastim (g-csf), 480 mcg
J1453	Injection, fosaprepitant, 1 mg
J1459	Injection, immune globulin (privigen), intravenous, non-lyophilized (e. g. liquid), 500 mg
J1568	Injection, immune globulin, (octagam), intravenous, non-lyophilized (e. g. liquid), 500 mg
J1569	Injection, immune globulin, (gammagard liquid), non-lyophilized, (e. g. liquid), 500 mg
J1580	Injection, garamycin, gentamicin, up to 80 mg
J1626	Injection, granisetron hydrochloride, 100 mcg

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
J1642	Injection, heparin sodium, (heparin lock flush), per 10 units
J1644	Injection, heparin sodium, per 1000 units
J1652	Injection, fondaparinux sodium, 0. 5 mg
J1670	Injection, tetanus immune globulin, human, up to 250 units
J1720	Injection, hydrocortisone sodium succinate, up to 100 mg
J1740	Injection, ibandronate sodium, 1 mg
J1745	Injection infliximab, 10 mg
J1750	Injection, iron dextran, 50 mg
J1756	Injection, iron sucrose, 1 mg
J1885	Injection, ketorolac tromethamine, per 15 mg
J1940	Injection, furosemide, up to 20 mg
J1956	Injection, levofloxacin, 250 mg
J2001	Injection, lidocaine hcl for intravenous infusion, 10 mg
J2010	Injection, lincomycin hcl, up to 300 mg
J2060	Injection, lorazepam, 2 mg
J2175	Injection, meperidine hydrochloride, per 100 mg
J2250	Injection, midazolam hydrochloride, per 1 mg
J2270	Injection, morphine sulfate, up to 10 mg
J2271	Injection, morphine sulfate, 100mg
J2275	Injection, morphine sulfate (preservative-free sterile solution), per 10 mg
J2300	Injection, nalbuphine hydrochloride, per 10 mg
J2323	Injection, natalizumab, 1 mg
J2357	Injection, omalizumab, 5 mg
J2360	Injection, orphenadrine citrate, up to 60 mg
J2405	Injection, ondansetron hydrochloride, per 1 mg
J2430	Injection, pamidronate disodium, per 30 mg
J2469	Injection, palonosetron hcl, 25 mcg
J2505	Injection, pegfilgrastim, 6 mg
J2510	Injection, penicillin g procaine, aqueous, up to 600,000 units

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
J2550	Injection, promethazine hcl, up to 50 mg
J2778	Injection, ranibizumab, 0. 1 mg
J2780	Injection, ranitidine hydrochloride, 25 mg
J2785	Injection, regadenoson, 0. 1 mg
J2795	Injection, ropivacaine hydrochloride, 1 mg
J2805	Injection, sincalide, 5 micrograms
J2820	Injection, sargramostim (gm-csf), 50 mcg
J2916	Injection, sodium ferric gluconate complex in sucrose injection, 12. 5 mg
J2920	Injection, methylprednisolone sodium succinate, up to 40 mg
J2930	Injection, methylprednisolone sodium succinate, up to 125 mg
J2997	Injection, alteplase recombinant, 1 mg
J3010	Injection, fentanyl citrate, 0. 1 mg
J3130	Injection, testosterone enanthate, up to 200 mg
J3250	Injection, trimethobenzamide hcl, up to 200 mg
J3262	Injection, tocilizumab, 1 mg
J3300	Injection, triamcinolone acetonide, preservative free, 1 mg
J3301	Injection, triamcinolone acetonide, not otherwise specified, 10 mg
J3302	Injection, triamcinolone diacetate, per 5mg
J3303	Injection, triamcinolone hexacetonide, per 5mg
J3315	Injection, triptorelin pamoate, 3. 75 mg
J3360	Injection, diazepam, up to 5 mg
J3370	Injection, vancomycin hcl, 500 mg
J3410	Injection, hydroxyzine hcl, up to 25 mg
J3411	Injection, thiamine hcl, 100 mg
J3415	Injection, pyridoxine hcl, 100 mg
J3420	Injection, vitamin b-12 cyanocobalamin, up to 1000 mcg
J3470	Injection, hyaluronidase, up to 150 units
J3475	Injection, magnesium sulfate, per 500 mg
J3480	Injection, potassium chloride, per 2 meq

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
J3487	Injection, zoledronic acid (zometa), 1 mg
J3488	Injection, zoledronic acid (reclast), 1 mg
J3490	Unclassified drugs
J3590	Unclassified biologics
J7030	Infusion, normal saline solution , 1000 cc
J7040	Infusion, normal saline solution, sterile (500 ml=1 unit)
J7042	5% dextrose/normal saline (500 ml = 1 unit)
J7050	Infusion, normal saline solution , 250 cc
J7060	5% dextrose/water (500 ml = 1 unit)
J7120	Ringers lactate infusion, up to 1000 cc
J7308	Aminolevulinic acid hcl for topical administration, 20%, single unit dosage form (354 mg)
J7312	Injection, dexamethasone, intravitreal implant, 0. 1 mg
J7321	Hyaluronan or derivative, hyalgan or supartz, for intra-articular injection, per dose
J7323	Hyaluronan or derivative, euflexxa, for intra-articular injection, per dose
J7324	Hyaluronan or derivative, orthovisc, for intra-articular injection, per dose
J7325	Hyaluronan or derivative, synvisc or synvisc-one, for intra-articular injection, 1 mg
J7326	Hyaluronan or derivative, gel-one, for intra-articular injection, per dose
J7605	Arformoterol, inhalation solution, fda approved final product, non-compounded, administered through dme, unit dose form, 15 micrograms
J7611	Albuterol, inhalation solution, fda-approved final product, non-compounded, administered through dme, concentrated form, 1 mg
J7613	Albuterol, inhalation solution, fda-approved final product, non-compounded, administered through dme, unit dose, 1 mg
J7614	Levalbuterol, inhalation solution, fda-approved final product, non-compounded, administered through dme, unit dose, 0. 5 mg

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
J7620	Albuterol, up to 2. 5 mg and ipratropium bromide, up to 0. 5 mg, fda-approved final product, non-compounded, administered through dme
J7626	Budesonide, inhalation solution, fda-approved final product, non-compounded, administered through dme, unit dose form, up to 0. 5 mg
J7644	Ipratropium bromide, inhalation solution, fda-approved final product, non-compounded, administered through dme, unit dose form, per milligram
J9025	Injection, azacitidine, 1 mg
J9031	Bcg (intravesical) per instillation
J9033	Injection, bendamustine hcl, 1 mg
J9035	Injection, bevacizumab, 10 mg
J9041	Injection, bortezomib, 0. 1 mg
J9045	Injection, carboplatin, 50 mg
J9060	Injection, cisplatin, powder or solution, 10 mg
J9070	Cyclophosphamide, 100 mg
J9155	Injection, degarelix, 1 mg
J9171	Injection, docetaxel, 1 mg
J9181	Injection, etoposide, 10 mg
J9190	Injection, fluorouracil, 500 mg
J9201	Injection, gemcitabine hydrochloride, 200 mg
J9206	Injection, irinotecan, 20 mg
J9217	Leuprolide acetate (for depot suspension), 7. 5 mg
J9225	Histrelin implant (vantas), 50 mg
J9250	Methotrexate sodium, 5 mg
J9263	Injection, oxaliplatin, 0. 5 mg
J9264	Injection, paclitaxel protein-bound particles, 1 mg
J9265	Injection, paclitaxel, 30 mg
J9280	Injection, mitomycin, 5 mg
J9305	Injection, pemetrexed, 10 mg

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
J9310	Injection, rituximab, 100 mg
J9355	Injection, trastuzumab, 10 mg
J9395	Injection, fulvestrant, 25 mg
J9999	Not otherwise classified, antineoplastic drugs
L8606	Injectable bulking agent, synthetic implant, urinary tract, 1 ml syringe, includes shipping and necessary supplies
L8680	Implantable neurostimulator electrode, each
M0064	Brief office visit for the sole purpose of monitoring or changing drug prescriptions used in the treatment of mental psychoneurotic and personality disorders
P3000	Screening papanicolaou smear, cervical or vaginal, up to three smears, by technician under physician supervision
P3001	Screening papanicolaou smear, cervical or vaginal, up to three smears, requiring interpretation by physician
P9047	Infusion, albumin (human), 25%, 50 ml
P9603	Travel allowance one way in connection with medically necessary laboratory specimen collection drawn from home bound or nursing home bound patient; prorated miles actually travelled
P9604	Travel allowance one way in connection with medically necessary laboratory specimen collection drawn from home bound or nursing home bound patient; prorated trip charge.
P9612	Catheterization for collection of specimen, single patient, all places of service
P9615	Catheterization for collection of specimen (s) (multiple patients)
Q0091	Screening papanicolaou smear; obtaining, preparing and conveyance of cervical or vaginal smear to laboratory
Q0092	Set-up portable x-ray equipment
Q0111	Wet mounts, including preparations of vaginal, cervical or skin specimens
Q0112	All potassium hydroxide (koh) preparations
Q0138	Injection, ferumoxytol, for treatment of iron deficiency anemia, 1 mg (non-esrd use)

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
Q2034	Influenza virus vaccine, split virus, for intramuscular use (agriflu)
Q2035	Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (afluria)
Q2036	Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (flulaval)
Q2037	Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (fluvirin)
Q2038	Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (fluzone)
Q2039	Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (not otherwise specified)
Q2051	Zoldedronic acid 1mg
Q3014	Telehealth originating site facility fee
Q4010	Cast supplies, short arm cast, adult (11 years +), fiberglass
Q4014	Cast supplies, gauntlet cast (includes lower forearm and hand), adult (11 years +), fiberglass
Q4022	Cast supplies, short arm splint, adult (11 years +), fiberglass
Q4038	Cast supplies, short leg cast, adult (11 years +), fiberglass
Q4049	Finger splint, static
Q9957	Injection, perflutren lipid microspheres, per ml
Q9960	High osmolar contrast material, 200-249 mg/ml iodine concentration, per ml
Q9965	Low osmolar contrast material, 100-199 mg/ml iodine concentration, per ml
Q9966	Low osmolar contrast material, 200-299 mg/ml iodine concentration, per ml
Q9967	Low osmolar contrast material, 300-399 mg/ml iodine concentration, per ml
R0070	Transportation of portable x-ray equipment and personnel to home or nursing home, per trip to facility or location, one patient seen
R0075	Transportation of portable x-ray equipment and personnel to home or nursing home, per trip to facility or location, more than one patient seen

(Continued on the next page.)

Table 2. (Continued from the previous page.)

Code	Explanation
S0281	Medical home program, comprehensive care coordination and planning, maintenance of plan
V2785	Processing, preserving and transporting corneal tissue

(Last page.)

S Medicare database fields

The following information is excerpted from the Centers for Medicare & Medicaid Services (CMS) report “Medicare Fee-For-Service Provider Utilization & Payment Data Physician and Other Supplier Public Use File: A Methodological Overview” dated September 14, 2015³.

The fields and data used in the Medicare Provider database are provided (see Table 3).

Table 3: Medicare field names and descriptions.

Field name	Description
average_Medicare_allowed_amt	Average of the Medicare allowed amount for the service; this figure is the sum of the amount Medicare pays, the deductible and coinsurance amounts that the beneficiary is responsible for paying, and any amounts that a third party is responsible for paying.
average_Medicare_payment_amt	Average amount that Medicare paid after deductible and coinsurance amounts have been deducted for the line item service. Note: In general, Medicare FFS claims with dates-of-service or dates-of-discharge on or after April 1, 2013, incurred a 2 percent reduction in Medicare payment. This is in response to mandatory across-the-board reductions in Federal spending, also known as sequestration.
average_submitted_chrg_amt	Average of the charges that the provider submitted for the service.
bene_day_srvc_cnt	Number of distinct Medicare beneficiary/per day services. Since a given beneficiary may receive multiple services of the same type (e.g., single vs. multiple cardiac stents) on a single day, this metric removes double-counting from the line service count to identify whether a unique service occurred.
bene_unique_cnt	Number of distinct Medicare beneficiaries receiving the service.
hcpcs_code	HCPCS code for the specific medical service furnished by the provider.

(Continued on the next page.)

³<https://www.cms.gov/research-statistics-data-and-systems/statistics-trends-and-reports/medicare-provider-charge-data/downloads/medicare-physician-and-other-supplier-puf-methodology.pdf>

Table 3. (Continued from the previous page.)

Field name	Description
hcpcs_description	Description of the HCPCS code for the specific medical service furnished by the provider. HCPCS descriptions associated with CPT codes are consumer friendly descriptions provided by the AMA. All other descriptions are CMS Level II descriptions provided in long form. Due to variable length restrictions, the CMS Level II descriptions have been truncated to 256 bytes. As a result, the same HCPCS description can be associated with more than one HCPCS code. ⁴
hcpcs_drug_indicator	Identifies whether the HCPCS code for the specific service furnished by the provider is a HCPCS listed on the Medicare Part B Drug Average Sales Price (ASP) File.
line_srvc_cnt	Number of services provided; note that the metrics used to count the number provided can vary from service to service.
medicare_participation_indicator	Identifies whether the provider participates in Medicare and/or accepts assignment of Medicare allowed amounts. The value will be Y for any provider that had at least one claim identifying the provider as participating in Medicare or accepting assignment of Medicare allowed amounts within HCPCS code and place of service. A non-participating provider may elect to accept Medicare allowed amounts for some services and not accept Medicare allowed amounts for other services.
npi	National Provider Identifier (NPI) for the performing provider on the claim.
nppes_credentials	When the provider is registered in NPPES as an individual (entity type code=I), these are the providers credentials. When the provider is registered as an organization (entity type code = O), this will be blank.
nppes_entity_code	Type of entity reported in NPPES. An entity code of I identifies providers registered as individuals and an entity type code of O identifies providers registered as organizations.
nppes_provider_city	The city where the provider is located, as reported in NPPES.

(Continued on the next page.)

⁴For complete CMS Level II descriptions, visit <http://www.cms.gov/Medicare/Coding/HCPCSReleaseCodeSets/Alpha-Numeric-HCPCS.html>.

Table 3. (Continued from the previous page.)

Field name	Description
nppes_provider_country	The country where the provider is located, as reported in NPPES. The country code will be US for any state or U.S. possession.
nppes_provider_first_name	When the provider is registered in NPPES as an individual (entity type code=I), this is the providers first name. When the provider is registered as an organization (entity type code = O), this will be blank.
nppes_provider_gender	When the provider is registered in NPPES as an individual (entity type code=I), this is the providers gender. When the provider is registered as an organization (entity type code = O), this will be blank.
nppes_provider_last_org_name	When the provider is registered in NPPES as an individual (entity type code=I), this is the providers last name. When the provider is registered as an organization (entity type code = O), this is the organization name.
nppes_provider_mi	When the provider is registered in NPPES as an individual (entity type code=I), this is the providers middle initial. When the provider is registered as an organization (entity type code = O), this will be blank.
nppes_provider_state	The state where the provider is located, as reported in NPPES. The fifty U.S. states and the District of Columbia are reported by the state postal abbreviation. The following values are used for all other areas: 'XX' = 'Unknown', 'AA' = 'Armed Forces Central/South America', 'AE' = 'Armed Forces Europe', 'AP' = 'Armed Forces Pacific', 'AS' = 'American Samoa', 'GU' = 'Guam', 'MP' = 'North Mariana Islands', 'PR' = 'Puerto Rico', 'VI' = 'Virgin Islands', 'ZZ' = 'Foreign Country'
nppes_provider_street1	The first line of the providers street address, as reported in NPPES.
nppes_provider_street2	The second line of the providers street address, as reported in NPPES.
nppes_provider_zip	The providers zip code, as reported in NPPES.

(Continued on the next page.)

Table 3. (Continued from the previous page.)

Field name	Description
place_of_service	Identifies whether the place of service submitted on the claims is a facility (value of F) or non-facility (value of O). Non-facility is generally an office setting; however other entities are included in non-facility.
provider_type	Derived from the provider specialty code reported on the claim. For providers that reported more than one specialty code on their claims, this is the specialty code associated with the largest number of services.
stdev_Medicare_allowed_amt	Standard deviation of the Medicare allowed amounts. The standard deviation indicates the amount of variation from the average Medicare allowed amount that exists within a single provider, HCPCS service, and place of service.
stdev_Medicare_payment_amt	Standard deviation of the Medicare payment amount. The standard deviation indicates the amount of variation from the average Medicare payment amount that exists within a single provider, HCPCS service, and place of service.
stdev_submitted_chrg_amt	Standard deviation of the charge amounts submitted by the provider. The standard deviation indicates the amount of variation from the average submitted charge amount that exists within a single provider, HCPCS service, and place of service.

(Last page.)

Automated Medicare Payment Report Based on Healthcare Common
Procedure Coding System (HCPCS) Code