



Fee Basis

Annual Update Instructions

Version 1.0

July 2024

Department of Veterans Affairs
Office of Information Technology
Product Development

Fee Basis Annual Update Instructions

Revision History

Date	Revision	Description	Author(s)
July 2024	1.0	Document Created	REDACTED

Fee Basis Annual Update Instructions

Contents

Revision History.....	i
Abbreviations for Fee Basis Annual (or Quarterly) Updates:.....	1
Updating the GPCIs (File #162.96 routine FBZFSGYY).....	5
Updating the RVUs (File #162.97 routine FBZRVUYY).....	11
Updating the DOL Modifier information (File #162.97, File #162.98 routines FBZFSMYY and FBZFSRY).....	19
Updating the Conversion Factors (File #162.99 routine FBZRVUYY).....	27
Update the Calculators (Routine FBAAF).....	29

Abbreviations for Fee Basis Annual (or Quarterly)

Updates:

FB – Fee Basis

GPCI – Geographic Practice Cost Index

RVU – Relative Value Unit

YY – Two digit year, e.g., 24 for 2024.

YYYY – Four digit year, e.g., 2024.

MM – Two digit month, e.g., 01 for January.

MMM – Three character representation of a month, e.g., JAN for January.

NNN – patch number

Notes:

In many of the routines, there is a reference to a directory containing files used in the update. In the routines in the document they have the format /home/sftp/patches/FILENAME.txt, for example /home/sftp/patches/PPRRVU24_JAN.csv. This corresponds to the directory structure on the server where the updates will be performed.

Misc:

1. Do an RFINd for 09 in all of the new *24 routines. This will help you identify places where you could have missed something.
2. a. To back up the data use D ^%GOGEN, specifying the root of the global. For instance FB(162.97).
b. To restore the global, first delete it using K ^FB(XXX.XX (I.E., FB(162.97,. Then, use D ^%GIGEN specifying the file you saved it to.
3. To obtain the data, download the zips from the Center for Medicare and Medicaid Services (CMS) website.

Fee Basis Annual Update Instructions

Files Modified:

- #162.96 FEE BASIS GEOGRAPHIC INDEX (Modified by FBZFSGYY)
- #162.97 FEE BASIS CPT RVU (Modified by FBZRVUYY & FBZFSRYY)
- #162.98 FEE BASIS MODIFIER TABLE INDEX (Modified by FBZFSMYY)
- #162.99 FEE BASIS HCFA CONVERSION (Manually updated)

Routines to Modify:

FBZFSGYY

Local routine to update GPCIs (Geographic Practice Cost Index)/Zip codes.
Updates file #162.96 – FEE BASIS GEOGRAPHIC INDEX

FBZRVUYY

Local routine to update CPT RVUs. (Current Procedure Terminology, Relative Value Units).
Updates file #162.97 – FEE BASIS CPT RVU

FBZFSMYY & FBZFSRYY

Local routine to update DOL MOD tables. (Department of Labor Modifier tables). Please note that the modifier tables are no longer being provided or used, so for now the data can just be copied from the previous year.
Updates file #162.97 – FEE BASIS CPT RVU (FBZFSRYY)
Updates file #162.98 – FEE BASIS MODIFIER TABLE INDEX (FBZFSMYY)

Before continuing, copy the previous years routines into this year's dates. For example, copy FBZRVU23 to FBZRVU24. This is not necessary for the quarterly updates, only the annual. For the quarterly updates, edit the routines for that year. For example, when doing a quarterly update for 2024, update the FBZRVU24 routines.

Fee Basis Annual Update Instructions

Data sources:

Most of the data is obtained from the CMS (Center for Medicare Services) website. <http://www.cms.hhs.gov>

The information is contained under the *Medicare* section, in the *Medicare Fee-for-Service Payment* sub-section.

ZIP Code to Carrier Locality File – This file can be found under the *Fee Schedule – General Information* section of the website.

Link current as of February 2024. <http://www.cms.hhs.gov/FeeScheduleGenInfo/>
From the download, the file required is ZIP5_MMMY.TXT. Additionally, the file ZIP5lyout.txt describes the layout of the data in the file ZIP5_MMMY.TXT.

GPCIs and RVUs – A zip file containing these items can be found under The *PFS Relative Value Files* section of the *Physician Fee Schedule* sub-section. They are named RVUYYXX.ZIP, in this case XX represents the version. A – Initial release, B – Q2 update (April), C – Q3 update (July), D – Q4 update (October). Occasionally, there will be an R meaning revised. For example RVU24AR.

From the RVUYYXX.ZIP file, the necessary files are
YYLOCCO.(XLS, CSV, or TXT)
GPCIYY.CSV (CSV, or TXT)
PPRRVUYY.CSV (CSV, or TXT)

Link current as of February 2024. [PFS Relative Value Files | CMS](#)

ZIP Codes – A file containing an up to date listing of ZIP codes is published to the anonymous.pub directory on the Albany development system. It can be accessed by ftp, or at VA4\$:[ANONYMOUS.PUB], or ANONYMOUS_DIR if you're on the Albany development system. These are in the format "ZIPFILEMMYYYY." The period is a part of the filename. Update as of Feb 2024, this file is no longer being created, per Jerry Simpson. The last file that was created was in August 2016. Jerry has provided the following file, which was last file created in August 2016. This is the file that was used for the update.

Fee Basis Annual Update Instructions



ZIPFILE.txt

Modifier Level tables – Please note that the modifier level tables are no longer being provided by the DOL, and the modifier level tables are no longer used by the VA for VistA Fee Basis, so for now the data can just be copied from the previous year.

Generate STCTY_CARLOC.TXT.

1. Start with an existing copy of STCTY_CARLOC.TXT (attached current as of



D:\Documents and
Settings\Administrato

2009)

2. Take the YYLOCCO.TXT file obtained in the RVUYYX.ZIP download, and the ZIPFILEMMYYYY file and update the county, carrier, and locality numbers as necessary. (Note, it may be necessary to add states/counties).

The format of the STCTY_CARLOC.TXT file is:

State | County Number | Carrier Number | Locality Number | County Name

The format of the ZIPFILEMMYYYY. file is:

ZIP | State | State Number | County | County Number

The YYLOCCO.TXT file contains all of the required information except for the County Number, that is obtained from the ZIPFILEMMYYYY. File.

Fee Basis Annual Update Instructions

Updating the GPCIs (File #162.96 routine FBZFSGYY).

The files required are STCTY_CARLOC.TXT, GPCIYY.CSV (CSV, or TXT), ZIP5_MMMY.TXT, and ZIPFILEMMYYYY.

This requires modifying the highlighted portions of the routine **FBZFSGYY**.

```
FBZFSG09 ;WCIOF0/TCK-IMPORT GPCI/ZIP CODE DATA FROM HOST FILE ; 7/6/09 5:53pm
2      ;;3.5;FEE BASIS;NOT VERIFIED
3      Q
4      ;
LOGGPCI ; Import of CarrierLocality->GPCI data from HCFA file
6      K ^XTMP("FBLOC")
7      S ^XTMP("FBLOC",0)=$$FMADD^XLFD(T,DT,+90)_"^"_DT
8      S FBSUB="FBLOC"
9      ;S ENF="[BAUMANN.RBRVS2001]01GPCIS.PRN"
10     ;S ENF="[ENFINGER.RBRVS2002]01GPCIS.PRN"
11     ;S ENF="[HARTINJ]GPCI04.PRN" ; this was from rvu4a
12     ;S ENF="[HARTINJ]GPCI04.PRN"
13     ;S ENF="USER$:[KEHOET.RBRVS2006]GPCIS06.PRN"
14     ;S ENF="USER$:[KEHOET.RBRVS2007]GPCIS06.PRN"
15     ;S ENF="USER$:[KEHOET.RBRVS2008]GPCIS08.PRN;6"
16     ;S ENF="USER$:[KEHOET.RBRVS2008]GPCIS08.PRN;6"
17     ;S ENF="USER$:[CHANDARANAR.RBRVS2009]GPCI09.TXT;1"
18     S ENF="USER$:[CHANDARANAR.RVU09C]GPCI09.CSV;1" Point this to the correct file
19     ; Host file format      | 2009      | 2009 Q1-Q3
20     ; CARRIER      1-5      | 1-5      | Piece 1
21     ; LOCALITY      7-8      | 9-10     | Piece 2
22     ; WORK GPCI     34-38     | 45-49     | Piece 4
23     ; PE GPCI       43-47     | 53-57     | Piece 5
24     ; MP GPCI       53-57     | 61-65     | Piece 6
25     S ENC("TOT")=0
26     O ENF
27     F U ENF S $ZT="EOF^FBZFSG09" R ENX S $ZT=" " U IO D Change to appropriate year.
28     .;S CAR=$TR($E(ENX,1,5)," ")
29     .S CAR=$P(ENX,"",1)
30     .;S LOC=$TR($E(ENX,9,10)," ")
31     .S LOC=$P(ENX,"",2)
32     .;S WKGPCI=$TR($E(ENX,45,49)," ")
33     .S WKGPCI=$P(ENX,"",4)
34     .;S PEGPCI=$TR($E(ENX,53,57)," ")
35     .S PEGPCI=$P(ENX,"",5)
36     .;S MPGPCI=$TR($E(ENX,61,65)," ")
37     .S MPGPCI=$P(ENX,"",6)
38     .I CAR'?5N!(LOC'?2N)!(WKGPCI'?1N1"."1.3N)!(PEGPCI'?1N1"."1.3N)!(MPGPC
I'?1N1"."1.3N) W !,"SKIPPING LINE ",ENX Q
39     .S ^XTMP("FBLOC",CAR_U_LOC)=WKGPCI_U_PEGPCI_U_MPGPCI
40     .S ENC("TOT")=ENC("TOT")+1
41     Q
42     ;
CNTYLOC ; Import of StateCounty->CarrierLocality data from file
44     K ^XTMP("FBCNTY")
45     S ^XTMP("FBCNTY",0)=$$FMADD^XLFD(T,DT,+90)_"^"_DT
46     S FBSUB="FBCNTY",U="^"
47     F I=1:0 D Q:ENF="^"
48     .R !,"ENTER ZIPCODE FILE NAME (USER$:[KEHOET.RBRVS2009]STCTY_CARLOC.T
XT): ",ENF (User is prompted for this filename)
49     .Q:ENF["^"!(ENF="^")
50     .;S ENF="[BAUMANN.RBRVS2001]STCTY_CARLOC.TXT"
```


Fee Basis Annual Update Instructions

```

51 .;S ENF="[ENFINGER.RBRVS2002]STCTY_CARLOC.TXT"
52 .;S ENF="[HARTINJ]STCTY_CARLOC.TXT"
53 .;S ENF="USERS:[KEHOET.RBRVS2006]STCTY_CARLOC.TXT"
54 .;S ENF="USERS:[CHANDARANAR.RBRVS2009]STCTY_CARLOC.TXT"
55 .; Host file format
56 .;
57 .; STATE ABBR 1-2
58 .; COUNTY # 4-6
59 .; CARRIER 8-12
60 .; LOCALITY 14-15
61 .;
62 .S ENC("TOT")=0
63 .O ENF
64 .F U ENF S $ZT="EOF^FBZFSG09" R ENX S $ZT="" U IO D Change to appropriate year.
65 .S STATEA=$TR($E(ENX,1,2)," ")
66 .S COUNTY=$E(ENX,4,6) ; will be blank for rest of state entries
67 .S CARRIER=$TR($E(ENX,8,12)," ")
68 .S LOCALITY=$TR($E(ENX,14,15)," ")
69 .I STATEA'?2A!(COUNTY'?1(3N,3" " ))!(CARRIER'?5N)!(LOCALITY'?2N) W !,
"SKIPPING LINE ",ENX Q
70 .S ^XTMP("FBCNTY",STATEA_COUNTY)=CARRIER_U_LOCALITY
71 .S ENC("TOT")=ENC("TOT")+1
72 Q
73 ;
GETGPCI ;
75 N ZIP
76 K ^XTMP("FBGPCI")
77 S ^XTMP("FBGPCI",0)=$FMADD^XLFD(T,DT,+90)_^"_DT
78 S FBSUB="FBGPCI",U="^"
79 ;S ENF="[BAUMANN.RBRVS2001]ZPLC0106.TXT"
80 ;S ENF="[ENFINGER.RBRVS2002]ZPLC0106.TXT"
81 ;S ENF="[HARTINJ]ZPLC0106.TXT"
82 ;S ENF="USERS:[KEHOET.RBRVS2008]ZPLC0108.TXT"
83 ;S ENF="USERS:[CHANDARANAR.RBRVS2009]ZIP5 JAN09.TXT"
84 S ENF="USERS:[CHANDARANAR.RVU09C]ZIP5 JUL09.TXT" Point to correct file.
85 .; Host file format This may need to be rearranged,
86 .; if the layout of the data
87 .; STATE ABBR 1-2 changes.
88 .; ZIP 3-7
89 .; CARRIER 8-12
90 .; LOCALITY 13-14
91 .;
92 S ENC("TOT")=0
93 O ENF
94 F U ENF S $ZT="EOF^FBZFSG09" R ENX S $ZT="" U IO D Change to appropriate year.
95 .S STATEA=$TR($E(ENX,1,2)," ")
96 .S ZIP=$E(ENX,3,7) ; will be blank for rest of state entries
97 .S CARRIER=$TR($E(ENX,8,12)," ")
98 .S LOCALITY=$TR($E(ENX,13,14)," ")
99 .I STATEA'?2A!(ZIP'?5N)!(CARRIER'?5N)!(LOCALITY'?2N) W !,"SKIPPING LI
NE ",ENX Q
100 .S ^XTMP("FBGPCI",ZIP)=CARRIER_U_LOCALITY
101 .S ENC("TOT")=ENC("TOT")+1
102 Q
103 ;
AACZIP ; Import of ZIP->CTY data from AAC file
105 ; Host File format
106 ; ZIP 1-5
107 ; STATE ABBR 7-8
108 ; STATE FIPS CODE? 10-11
109 ; COUNTY NAME 15-30
110 ; COUNTY # 35-37
111 K ^XTMP("FBZIPA")
112 S ^XTMP("FBZIPA",0)=$FMADD^XLFD(T,DT,+90)_^"_DT

```

Fee Basis Annual Update Instructions

```
113 S FBSUB="FBZIPA",U="^"  
114 S ENF=""  
115 F I=1:0 D Q:ENF="^"  
116 .R !,"ENTER ZIPCODE FILE NAME (USER$:[KEHOET.RBRVS2009]ZIPFILE012008.  
TXT): ",ENF (User is prompted for this filename)  
117 .Q:ENF["^"!(ENF="")  
118 .;S ENF="USER$:[KEHOET.RBRVS2006]ZIPFILE012006.TXT"  
119 .;S ENF="USER$:[KEHOET.RBRVS2006]ZIPFILE022006.TXT"  
120 .;S ENF="USER$:[KEHOET.RBRVS2006]ZIPFILE032006.TXT"  
121 .;S ENF="USER$:[KEHOET.RBRVS2006]ZIPFILE042006.TXT"  
122 .;S ENF="USER$:[CHANDARANAR.RBRVS2009]ZIPFILE112008.TXT"  
123 .;S ENF="USER$:[CHANDARANAR.RVU09C]ZIPFILE062009.TXT"  
124 .Q:ENF="^"  
125 .S ENC("TOT")=0,ENC("DUP")=0  
126 .O ENF  
127 .S ENX="" F U ENF S $ZT="EOF^FBZFSG09" R ENX S $ZT="" U IO D Change to  
appropriate year.  
128 .S ZIP=$TR($E(ENX,1,5)," ")  
129 .S STATEA=$TR($E(ENX,7,8)," ")  
130 .S STATEN=$TR($E(ENX,10,11)," ")  
131 .S CNTYNO=$TR($E(ENX,35,37)," ")  
132 .I ZIP?'5N W !,"ZIP ERR: ",ENX Q  
133 .I $D(^XTMP("FBZIPA",ZIP)) D Q  
134 .S INS=$G(^XTMP("FBZIPA","D",ZIP))  
135 .S INS=INS+1  
136 .S ^XTMP("FBZIPA","D",ZIP)=INS  
137 .S ENC("DUP")=ENC("DUP")+1  
138 .S ^XTMP("FBZIPA",ZIP,"D",INS,0)=""  
139 .S ^XTMP("FBZIPA",ZIP,"D",INS,1)=STATEA_U_CNTYNO  
140 .S ^XTMP("FBZIPA",ZIP,0)=""  
141 .S ^XTMP("FBZIPA",ZIP,1)=STATEA_U_CNTYNO  
142 .S ENC("TOT")=ENC("TOT")+1  
143 Q  
144 ;  
EOF ; End Of File  
146 S $ZT=""  
147 C ENF  
148 ; update XTMP header  
149 S ^XTMP(FBSUB,0)=DT_"^"_ENC("TOT")_U_ENC("TOT")  
150 U IO  
151 W !,"COUNT IN FILE ",ENF," = ",ENC("TOT")  
152 I FBSUB["ZIP" W !,"DUPLICATE ZIP CODES = ",ENC("DUP")  
153 Q  
154 ;  
PROCDDUP ; Process duplicate zip codes in XTMP("FBZIPA"  
156 S END=0,U="^"  
157 S ZIP="" F S ZIP=$G(^XTMP("FBZIPA","D",ZIP)) Q:ZIP="" D Q:END  
158 . W !,"ZIP: ",ZIP," has duplicate entries."  
159 . S I=0  
160 . W !,?5,I+1," ",^XTMP("FBZIPA",ZIP,0),!,?5," ",^XTMP("FBZIPA",ZIP  
,1)  
161 . S I=$G(^XTMP("FBZIPA",ZIP,"D",I)) Q:' I D  
162 . . W !,?5,I+1," ",^XTMP("FBZIPA",ZIP,"D",I,0)  
163 . . W !,?5," ",^XTMP("FBZIPA",ZIP,"D",I,1)  
164 . S DIR(0)="NO^1:_"(I+1)  
165 . S DIR("A")="Select appropriate line"  
166 . D ^DIR K DIR S:$D(DTOUT)!$D(DUOUT) END=1 Q:' Y  
167 . S I=Y-1  
168 . I I=0 S FBX(0)=^XTMP("FBZIPA",ZIP,0),FBX(1)=^XTMP("FBZIPA",ZIP,1)  
169 . I I'=0 S FBX(0)=^XTMP("FBZIPA",ZIP,"D",I,0),FBX(1)=^XTMP("FBZIPA",Z  
IP,"D",I,1)  
170 . W !,"Selected ",! ZW FBX  
171 . K ^XTMP("FBZIPA",ZIP)  
172 . S ^XTMP("FBZIPA",ZIP,0)=FBX(0)
```

Fee Basis Annual Update Instructions

```

173 . S ^XTMP("FBZIPA",ZIP,1)=FBX(1)
174 . K ^XTMP("FBZIPA","D",ZIP)
175 W !,"Routine Complete"
176 Q
177 ;
    FBZIPA ; Update FBZIPA with GPCIs
179 S U="^"
180 S ZIP=0 F S ZIP=$Q(^XTMP("FBZIPA",ZIP)) Q:ZIP=" D
181 . S Y1=$G(^XTMP("FBZIPA",ZIP,1))
182 . I $P(Y1,U,2)=" Q ; no county code
183 . S FBSC=$P(Y1,U)_P(Y1,U,2)
184 . S LOC=$S(FBSC]":$G(^XTMP("FBCNTY",FBSC)),1:"")
185 . I LOC=" S LOC=$S($P(Y1,U)]":$G(^XTMP("FBCNTY",$P(Y1,U)_
    "")),1:
186 . S GPCI=$S(LOC]":$G(^XTMP("FBLOC",LOC)),1:"")
187 . I GPCI=" D
188 . . S FBSC=^XTMP("FBGPCI",ZIP)
189 . . S GPCI=$G(^XTMP("FBLOC",FBSC))
190 . I GPCI=" W !,"Could not determine GPCIs for ",ZIP," ",Y1 Q
191 . S ^XTMP("FBZIPA",ZIP,0)=GPCI
192 Q
193 ;
    AACFB ; loop thru AAC zips and compare against existing data
195 W !,"comparing AAC zip codes with existing data in 162.96..."
196 S U="^"
197 F I="ZIP NEW","GPCI DIFF","GPCI MATCH","GPCI POPULATE" S CNT(I)=0
198 S ZIP=0 F S ZIP=$Q(^XTMP("FBZIPA",ZIP)) Q:ZIP=" D
199 . S AAC0=$G(^XTMP("FBZIPA",ZIP,0))
200 . I $P(AAC0,U)+$P(AAC0,U,2)+$P(AAC0,U,3)'>0 Q ; ignore if no GPCIs
201 . S DA=$Q(^FB(162.96,"B",ZIP,0))
202 . I 'DA D Q ; new zip code
203 . . S CNT("ZIP NEW")=CNT("ZIP NEW")+1
204 . . W !,"NEW ZIP CODE: ",ZIP
205 . S DA(1)=$Q(^FB(162.96,DA,"CY","B","2009",0))
206 . I 'DA(1) D Q
207 . . W !,"MISSING CY 2009 FOR EXISTING ZIP: ",ZIP
208 . . S CNT("GPCI POPULATE")=CNT("GPCI POPULATE")+1
209 . S FBCY0=$G(^FB(162.96,DA,"CY",DA(1),0))
210 . I $P(FBCY0,U,2,4)="^^" S CNT("GPCI POPULATE")=CNT("GPCI POPULATE")+
    1 Q
211 . I +$P(AAC0,U)+$P(FBCY0,U,2)+$P(AAC0,U,2)+$P(FBCY0,U,3)+$P(AAC0,
    U,3)+$P(FBCY0,U,4) S CNT("GPCI MATCH")=CNT("GPCI MATCH")+1
212 . E D
213 . . S CNT("GPCI DIFF")=CNT("GPCI DIFF")+1
214 . . W !,"DIFFERENT GPCI FOR ZIP: ",ZIP
215 . . W !," NEW GPCI : ",AAC0
216 . . W !," CURRENT GPCI: ",$P(FBCY0,U,2,4)
217 ;
218 W !!
219 W !,"# New Zip Codes = ",CNT("ZIP NEW")
220 W !,"# GPCIs that will be Populated = ",CNT("GPCI POPULATE")
221 W !,"# GPCIs match = ",CNT("GPCI MATCH")
222 W !,"# GPCIs different = ",CNT("GPCI DIFF")
223 Q
224 ;
    FBAAC ; loop thru existing data and compare against AAC zips
226 W !,"Check FB zip codes to determine if missing from the AAC data..."
227 S U="^"
228 F I="MISSING" S CNT(I)=0
229 S ZIP=" F S ZIP=$Q(^FB(162.96,"B",ZIP)) Q:ZIP=" D
230 . I '$D(^XTMP("FBZIPA",ZIP)) D Q
231 . . S CNT("MISSING")=CNT("MISSING")+1
232 . . W !,"Existing ZIP ",ZIP," is missing from the AAC data."
233 . S AAC0=$G(^XTMP("FBZIPA",ZIP,0))

```

Fee Basis Annual Update Instructions

```

234 . I $P(AAC0,U)+$P(AAC0,U,2)+$P(AAC0,U,3) '>0 W !,"ZIP EXISTS BUT NO GP
    CI ",ZIP
235 W !!
236 W !,"# Missing = ",CNT("MISSING")
237 Q
238 ;
    LOAD ; Load data into 162.96 using ^XTMP("FBZIPA" as source
240 S FBC("NZ")=0,FBC("Z")=0,FBC("I")=0,U="^"
241 S ZIP=0 F S ZIP=$0(^XTMP("FBZIPA",ZIP)) Q:ZIP'>0 D
242 . S FBY=^XTMP("FBZIPA",ZIP,0)
243 . ; skip if sum of GPCIs is zero
244 . I $P(FBY,U)+$P(FBY,U,2)+$P(FBY,U,3) '>0 S FBC("I")=FBC("I")+1 Q
245 . S FBC("Z")=FBC("Z")+1
246 . ;
247 . S Y=$0(^FB(162.96,"B",ZIP,0))
248 . I 'Y D Q:Y'>0
249 . . S FBC("NZ")=FBC("NZ")+1
250 . . K DA,DIC
251 . . S DIC="^FB(162.96," ,DLAYGO=162.96,DIC(0)="L",X=ZIP
252 . . K DD,DO D FILE^DICN I Y'>0 W !,"ERROR ADDING NEW ZIP ",ZIP
253 . . K DIC,DLAYGO
254 . ;
255 . K DA,DIC
256 . S DA(1)=+Y
257 . S Y=$0(^FB(162.96,DA(1),"CY","B",2009,0)) Change to appropriate year.
258 . I 'Y D Q:Y'>0
259 . . S DIC="^FB(162.96,"_DA(1)_" ,""CY"" , ,DIC(0)="L",DIC("P")="162.961
    A"
260 . . S X=2009 Change to appropriate year.
261 . . K DD,DO D FILE^DICN I Y'>0 W !,"ERROR ADDING 2009 for ",ZIP Change to
    appropriate year.
262 . . K DIC,DLAYGO
263 . S DA=+Y
264 . ;
265 . S DIE="^FB(162.96,"_DA(1)_" ,""CY"" , "
266 . S DR=".02///"_$P(FBY,U)_" ;.03///"_$P(FBY,U,2)_" ;.04///"_$P(FBY,U,3)
267 . D ^DIE K DIE,DR,DA
268 . ;
269 W !,"ZIP = ",FBC("Z")
270 W !,"NEW ZIP = ",FBC("NZ")
271 W !,"IGNORED ZIPS WITH ZERO GPCI = ",FBC("I")
272 Q
273 ;
274 ;FBZFSG09 Change to appropriate year.

```

Once the routine has been modified. It is possible to load the GPCI data into file 162.96.

The steps are as follows (after transferring all necessary files into /home/sftp/patches in ASCII mode onto server that you will be performing this on:

A. D LOCGPCI^FBZFSGYY – loads carrier locality – GPCI data from file GPCIIYYY.TXT into ^XTMP("FBLOC")

Fee Basis Annual Update Instructions

- B. D CNTYLOC^FBZFSGYY – loads state/county carrier locality data into ^XTMP("FBCNTY"). At prompt, enter /home/sftp/patches/STCTY_CARLOC.txt
- C. GETGPCI ^FBZFSGYY – loads GPCI and County/Carrier locality data from file ZIP5_JANYYYY.txt into ^XTMP ("FBGPCI")
- D. D AACZIP^FBZFSGYY – loads zip code/state county data from the AAC file ZIPFILE.txt into ^XTMP("FBZIPA"). At prompt, enter /home/sftp/patches/ZIPFILE.txt
- E. D PROCDUP^FBZFSGYY – checks/fixes any duplicate zip code entries.
- F. D FBZIPA^FBZFSGYY – adds GPCIs to zip code list in ^XTMP("FBZIPA")
- G. D AACFB^FBZFSGYY – compares zip code data with data in #162.96. (optional).
- H. D FBAAC^FBZFSGYY – compares data in #162.96 with zip code data. (optional). This finds missing zip codes, based on last year's update.
- I. D FBAAC^XRDZIP, then D NOZIP^XRDZIP – Finds zip codes from previous year in file 162.96 that are not in AAC zip code file. Add output from NOZIP^XRDZIP to file ZIPFILE.txt.
- J. Kill all ^XTMP globals from steps A through D. Repeat steps A through F using updated file ZIPFILE.txt.
- K. D FBAAC^FBZFSG24 to get missing zip codes again, based on last year's update.
- L. If output from step K shows no missing zip codes, D LOAD^FBZFSGYY – populates file 162.96 with data stored in ^XTMP("FBZIPA")

Fee Basis Annual Update Instructions

Updating the RVUs (File #162.97 routine FBZRVUYY).

```
FBZRVUYY9 \;WCIOFO/SS,DMK,SAB-RVU IMPORT ; 10/23/08 11:48am
2      ;;3.5;FEE BASIS;**109**;JAN 30, 1995
3      ;
4      ;this routine was used to populate file #162.97 with RVU values
5      ;for the year 2009 for the patch FB*3.5*109
6      ;the routine is not a part of the patch, it was used only to prepare
      global for this patch
7      Q
      EN ;
9      D EN1("2009" U "USER$:[CHANDARANAR.RBRVS2009]PPRRVU09.TXT;1") Update to the
appropriate year and file
10     Q
11     ;/**
12     ;entry point
13     ;Load RVU data from the CMS file into the file #162.97
      USER ;*/
15     N BFRET
16     ;prompt for a calendar year and filename
17     S BFRET=$$PROMPTS()
18     I BFRET<0 Q
19     D EN1(BFRET)
20     Q
21     ;
22     ;input:
23     ; 4_digits_year ^ full_path_and_filename
24     ;Example:
25     ; D EN1^FBZRVUYY9("2009^USER$:[KEHOET.RBRVS2009]PPRRVU09.TXT")
EN1(BFRET) ;load data to XTMP global
27     N FBZ
28     N FBCYEAR ;calendar year
29     N FBCMS ;total number of lines with RVU values in CMS file
30     N FBIMPRTD ;total number of imported RVU lines
31     N FBOK81 ; total number of CPTs that were found in CPT file #81
32     N FBNOT81 ; total number of CPTs that were NOT found in CPT file #81
33     N FBCNT ; total number of records that were examined using CPT file #
      81
34     N FBRECS ; total number of processed lines
35     N FBNEWCPY ; total number of new CPT (or CPT-MOD) parent records crea
      ted in file #162.97
36     N FBNEWCY ; total number of the new the year FBCY records created for
      existing CPT (CPT-MOD)
37     N FBEDITCY ; total number of records updated for the existing year FB
      CY
38     S FBCYEAR+=BFRET
39     S FBZ=0
40     S FBCMS=0
41     S FBIMPRTD=0
42     ;import RVU values into ^XTMP global
43     D HCFAIMP($P(BFRET,U,2),FBCYEAR,.FBCMS,.FBIMPRTD)
44     R !!,"Press any key to continue...",X
45     ;Q
46     ;check codes
47     S FBZ=$$EXAMHCFA()
48     S FBCNT+=FBZ ;total number of records that were examined using CPT fi
      le #81
49     S FBOK81=$P(FBZ,U,2) ;total number of CPTs that were found in CPT fil
      e #81
50     S FBNOT81=$P(FBZ,U,3) ; total number of CPTs that were NOT found in C
      PT file #81
51     ;load data from ^XTMP to #162.97
```

Fee Basis Annual Update Instructions

```
52     S FBZ=$$LOAD(+BFRET)
53     S FBRECS=+FBZ ;total number of processed lines
54     S FBNEWCPY=$P(FBZ,U,2) ;total number of new CPT (or CPT-MOD) parent r
55     S FBNEWCY=$P(FBZ,U,3) ;total number of the new the year FBCY records
56     S FBEDITCY=$P(FBZ,U,4) ;total number of records updated for the exist
57     D REPORT(FBCYEAR,FBIMPRTD,FBCNT,FBOK81,FBNOT81,FBRECS,FBNEWCPY,FBNEW
58     Q
59     ;/**
60     ;report
61     REPORT(FBCY,FBIMPRTD,FBCNT,FBOK81,FBNOT81,FBRECS,FBNEWCPY,FBNEWCY,FBEDITCY) ;*
62     /
63     W !!
64     W !,"==== Importing from text file into ^XTMP global =====
65     W !,"Total number of imporet records .....
66     W !,"==== Checking if CPT codes are in CPT file #81 =====
67     W !,"Total number of records that were examined using CPT file #81...
68     W !,"Total number of CPTs that were found in CPT file #81.....
69     W !,"Total number of CPTs that were NOT found in CPT file #81.....
70     W !
71     W !,"==== Loading to file#162.97 =====
72     W !,"Total number of processed lines.....
73     W !,"Total number of new CPT (or CPT-MOD) parent records created"
74     W !,"in file #162.97.....
75     W !,"Total number of the year ",FBCY," records created for existing"
76     W !,"CPT (CPT-MOD).....
77     W !,"Total number of records updated for the existing year ",FBCY,"..
78     W !
79     Q
80     ;
81     ;/**
82     ;Prompts a calendar year and file to import from
83     ;output:
84     ; 4_digits_year ^ full_path_and_filename
85     ; -1 if user chose to quit
86     PROMPTS() ;*/
87     N FBYEAR ;calendar year
88     N DIRECT ;directory
89     N FILENAME ;full pathname
90     N FULLPATH ;full pathname
91     N FBQ
92     S FBYEAR=0
93     S (DIRECT,FILENAME,FULLPATH)=" "
94     S FBYEAR=$$CALYEAR()
95     I FBYEAR=-1 Q -1
96     S FBQ=0
97     F D Q:FBQ'=0
98     . S DIRECT=$$DIRECTRY() I DIRECT=-1 S FBQ=-1 Q
99     . S FILENAME=$$FILENAM() I FILENAME=-1 S FBQ=-1 Q
```

Fee Basis Annual Update Instructions

```
100 . S FULLPATH=DIRECT_FILENAME
101 . W !,"Verifying file ",FULLPATH," ..."
102 . S FBQ=$$CHCKFILE(FULLPATH)
103 . W " - ",$(FBQ=0:"wrong file name!",1:"OK")
104 I FBQ<0 Q -1
105 Q FBYEAR_U_FULLPATH
106 ;
107 ;/**
108 ;enter a calendar year
109 ;output:
110 ; 4 digits calendar year
CALYEAR() ;*/
112 N FBQ
113 S FBQ=0
114 F D Q:FBQ>0
115 . R !,"Please enter a calendar year for this fee schedule: ",X:30
116 . I X="^" S FBQ=2 Q
117 . I X="?" W !,"e.g. 2005" Q
118 . I X="!"(X'?4N) W !,"Please enter a 4-digit number or ^ to quit" Q
119 . S FBQ=1
120 Q:FBQ=2 -1
121 Q +X
122 ;
123 ;/**
124 ;enter a directory
125 ;output:
126 ; directory as a string
DIRECTRY() ;*/
128 N FBQ
129 S FBQ=0
130 F D Q:FBQ>0
131 . R !,"Please enter the directory where ALL files reside: ",X:30
132 . I X="^" S FBQ=2 Q
133 . I X="" W !,"Enter the directory path or ^ to quit" Q
134 . I X="?" W !,"This is the directory path where ALL files reside.",!,
"e.g. USER$:[Directory] or USER$:[Directory.subdirectory]" Q
135 . S FBQ=1
136 Q:FBQ=2 -1
137 Q X
138 ;
139 ;/**
140 ;enter filename
141 ;output:
142 ; filename as a string
FILENAM() ;*/
144 N FBQ
145 S FBQ=0
146 F D Q:FBQ>0
147 . R !,"Please enter the file name for HCFA RVU data: ",X:30
148 . I X="^" S FBQ=2 Q
149 . I X="" W !,"Enter filename or ^ to quit" Q
150 . S FBQ=1
151 Q:FBQ=2 -1
152 Q X
153 ;
154 ;
155 ;/**
156 ;check whether the file exists
157 ;input:
158 ; full path and filename as a string
159 ;output:
160 ; 1 - file exists and can be opened
161 ; 0 - file was not found or cannot be opened
CHCKFILE(FULLPTH) ;*/
```


Fee Basis Annual Update Instructions

```
163 O FULLPTH::5
164 I '$T Q 0
165 C FULLPTH
166 Q 1
167 ;
168 ;
169 ;/**
170 ;import data from CMS text file to ^XTMP global
171 ; creates ^XTMP("FBHCFA") with RVU HCPCS/CLT codes and RVU values
172 ;input:
173 ; FBFNAME - full pathname for the CMS file that contains RVU data (VM
S example: "[SHAMUKS]PPRRVU04.TXT")
; FBYEAR - calendar year (example: 2008)
174 ;output:
175 ; .FBCNT total number of lines with RVUs in CMS file
176 ; .FBCNTOK total number of created ^XTMP records
HCFAIMP(FBFNAME,FBYEAR,FBCNT,FBCNTOK) ;*/
177
178 N FBLINE,FBCPT,FBMOD,FBSTAT,WRVU, TNFPRVU,TFPRVU,MRVU,FBCPTM,FBNPFLG,F
BTRUE
179
180 ;FBCNTOK ;total number of created ^XTMP records
181 ;FBCNT ;total number of lines with RVUs in CMS file
182 W !,"Importing RVU values from the file:",FBFNAME,!
K ^XTMP("FBHCFA")
183
184 ;set ^XTMP to expire +120 days from now
185 S ^XTMP("FBHCFA",0)=$$FMADD^XLFD(T,DT,+120)_^"_DT
186 S (FBCNT,FBCNTOK)=0
187 ;open file
188 O FBFNAME
189 ;read file
190 F U FBFNAME S $ZT="Eof^FBZRVUY9" R FBLINE S $ZT=" U IO D Modify if file layout
changes, modify to point to the correct routine.
191 . ;echo lines
192 . W !,FBLINE
193 . Q:$E(FBLINE,1,3)="HDR"
194 . S FBCNT=FBCNT+1
195 . S FBCPT=$TR($E(FBLINE,1,5)," ")
196 . S FBMOD=$TR($E(FBLINE,6,7)," ")
197 . S FBSTAT=$E(FBLINE,58)
198 . ;Q:"^D^X^[U_FBSTAT_U) ; deleted codes or statutory exclusion
199 . ;
200 . ;<RVU> don't need to determine status and analyze it
201 . ;<RVU> Q:"^A^R^T^[U_FBSTAT_U) only codes used for Medicare paymen
nt
202 . ;
203 . ;<RVU> don't quit if NONPAYABLE
204 . ;<RVU> Q:$E(FBLINE,59)="+" ; RVU's are not used for Medicare paymen
t
205 . ;
206 . S WRVU=$TR($E(FBLINE,60,65)," ")
207 . S TNFPRVU=$TR($E(FBLINE,67,72)," ")
208 . S TFPRVU=$TR($E(FBLINE,85,90)," ")
209 . S MRVU=$TR($E(FBLINE,104,110)," ")
210 . I $L(FBCPT)'=5!(WRVU'?1.3N1"."2N)!(TNFPRVU'?1.3N1"."2N)!(TFPRVU'?1.
3N1"."2N)!(MRVU'?1.3N1"."2N) W !,"SKIPPING LINE ",FBLINE Q
211 . I FBCPT=" W !,"ERROR CPT: ",FBLINE Q
212 . S FBCPTM=FBCPT_$E(FBMOD)":"-"_FBMOD,1:"")
213 . ;I '$D(^XTMP("FBDOL",FBCPTM)) D Q
214 . ;. W !,"MISSING CPT-MOD: ",FBCPTM,!,FBLINE
215 . ;S ^XTMP("FBHCFA",FBCPTM)="2004^^^_WRVU_U_TNFPRVU_U_TFPRVU_U_MRVU
;RVU: adding the NONPAYABLE flag
216 . S FBNPFLG=$S(((($E(FBLINE,59)="+")!("^A^R^T^[U_FBSTAT_U))) :1,1:0)
217 . S ^XTMP("FBHCFA",FBCPTM)=FBYEAR_"^^^_WRVU_U_TNFPRVU_U_TFPRVU_U_MRVU
_U_U_FBPFGLG
218 . S FBCNTOK=FBCNTOK+1
```

Fee Basis Annual Update Instructions

```
220 Q
221 ;
222 ;/**
223 ;check if there are any CPT codes in ^XTMP that are not in the CPT fi
le #81
224 ;OK or warning message will be printed to the screen
225 ;input:
226 ; ^XTMP global needs to be in the system
227 ;output:
228 ; FBCNT^FBOKCNT^FBERCNT
229 ; where:
230 ; FBOKCNT - counter for OKs
231 ; FBERCNT - counter for errors
232 ; FBCNT - counter for all records that were examined
EXAMHCFA() ;*/
234 N CPTM,FBCNT,FBOKCNT,FBERCNT
235 S (FBOKCNT,FBERCNT,FBCNT)=0
236 S CPTM=0 F S CPTM=$O(^XTMP("FBHCFA",CPTM)) Q:CPTM="" D
237 . S FBCNT=FBCNT+1
238 . I '$O(^ICPT("B",$P(CPTM,"-"),0)) W !,"?CPT ",CPTM S FBERCNT=FBERCNT
+1 Q
239 . E W !,"OK - ",CPTM S FBOKCNT=FBOKCNT+1
240 Q FBCNT_U_FBOKCNT_U_FBERCNT
241 ;
242 ;/**
243 ;load data from ^XTMP global into file# 162.97
244 ;input:
245 ; FBCY - calendar year
246 ;output:
247 ; FBRECS^FBNEWCP^FBNEWCY^FBEDITCY
248 ; where:
249 ; FBRECS - total number of processed records
250 ; FBNEWCP - total number of new CPT (or CPT-MOD) parent records crea
ted in file #162.97
251 ; FBNEWCY - total number of the new the year FBCY records created for
existing CPT (CPT-MOD)
252 ; FBEDITCY - total number of records updated for the existing year FB
CY
LOAD(FBCY) ;*/
254 N Y,FBNEWCP,FBNEWCY,FBEDITCY,FBRECS,FBCPTM,FBY
255 S FBRECS=0 ;count processed records
256 S FBNEWCP=0 ;count the new top-level records created in file #162.97
257 S FBNEWCY=0 ;count new CY records
258 S FBEDITCY=0 ;count edited records
259 S FBCPTM=0
260 F S FBCPTM=$O(^XTMP("FBHCFA",FBCPTM)) Q:FBCPTM="" D
261 . S FBRECS=FBRECS+1
262 . S FBY=^XTMP("FBHCFA",FBCPTM)
263 . I '$P(FBY,U)'=FBCY W !,FBCPTM," - ",$P(FBY,U)," Wrong Year! - SKIPPE
D!"
264 . S Y=$$PROCRC(FBCPTM,FBCY,FBY)
265 . S FBNEWCP=FBNEWCP+$P(Y,U,1)
266 . S FBNEWCY=FBNEWCY+$P(Y,U,2)
267 . S FBEDITCY=FBEDITCY+$P(Y,U,3)
268 Q FBRECS_U_FBNEWCP_U_FBNEWCY_U_FBEDITCY
269 ;
270 ;process one line in XTMP global
271 ;FBCPTM CPT/MOD
272 ;FBCY - calendar year
273 ;FBY - XTMP node
PROCRC(FBCPTM,FBCY,FBY) ;
275 N Y,FBNEWCP,FBNEWCY,FBEDITCY,FBCPT,FBAT,FBIE,FBIECY
276 S (FBNEWCP,FBNEWCY,FBEDITCY)=0
277 ;
```

Fee Basis Annual Update Instructions

```
278 W !,FBCPTM," : "  
279 S FBCPT=$P(FBCPTM,"-")  
280 ;  
281 ;<RVU> should we still be checking CPT file?  
282 ;I '$0(^ICPT("B",FBCPT,0)) W "CPT-MOD is not in ICPT file - NOT PROCESSED"  
SSED" Q FBNEWCPT_U_FBNEWCY_U_FBEDITCY  
283 ;  
284 ;<RVU> do not skip any value  
285 ;<RVU> I $P(FBY,U,3)+$P(FBY,U,4)+$P(FBY,U,5)+$P(FBY,U,6)'+>0,$P(FBY,U,7)="" D Q  
286 ;<RVU> . W !,"SUM OF RVUs '> 0 and base units null. SKIPPING CPT-MOD",FBCPTM  
287 ;  
288 S FBCAT=$$CPTCAT(FBCPT)  
289 I FBCAT="" W "Unknown CPT category. "  
290 ;  
291 ;--- top level CPT record -----  
292 ;check whether CPT/MOD is already in file #162.97  
293 ;FBIEN - ien for the top level record  
294 S FBIEN=+$0(^FB(162.97,"B",FBCPTM,0))  
295 ;  
296 ;if no entry for this CPT or CPT-CPTMOD combination then create one  
297 ;if couldn't then quit  
298 I FBIEN=0 D Q:FBIEN'>0 FBNEWCPT_U_FBNEWCY_U_FBEDITCY  
299 . S FBIEN=+$$NEWCPT(FBCPTM,FBCAT)  
300 . I FBIEN'>0 W !,"Error adding new CPT-MOD - NOT ADDED!" Q  
301 . S FBNEWCPT=1  
302 ;  
303 ;--- calendar year multiple -----  
304 ;check whether CPT/MOD has already that year record in file #162.97  
305 S FBIENCY=$0(^FB(162.97,FBIEN,"CY","B",FBCY,0))  
306 ;  
307 ;if no entry for the specified year then create one  
308 ;if couldn't then quit  
309 I FBIENCY'>0 D Q:FBIENCY'>0 FBNEWCPT_U_FBNEWCY_U_FBEDITCY  
310 . S FBIENCY=+$$NEWCY(FBIEN,FBCY)  
311 . I FBIENCY'>0 W !,"Cannot create multiple record for "_FBCY_" RVUs - NOT ADDED!"  
312 . S FBNEWCY=1  
313 ;  
314 ;--- edit calendar year multiple -----  
315 S Y=$$EDITCY(FBIEN,FBIENCY,FBY)  
316 I Y>0 S FBEDITCY=1 W "OK"  
317 I Y<0 W "Error updating/populating RVUs - NOT UPDATED/ADDED!"  
318 Q FBNEWCPT_U_FBNEWCY_U_FBEDITCY  
319 ;  
320 ;/*  
321 ;Create a new top-level record in file #162.97 for  
322 ;CPT or CPT-CPTMOD combination  
323 ;input  
324 ; FBCPTM - cpt or cpt-modifier  
325 ; FBCAT - major category  
326 ;output  
327 ; >0 - record number (ien) of the new record  
328 ; <1 - records was not created  
NEWCPT(FBCPTM,FBCAT) ;*/  
330 N X,Y,DA,DIC,DLAYGO,DD,DO  
331 S DIC=" ^FB(162.97,"  
332 S DLAYGO=162.97  
333 S DIC(0)="L"  
334 S X=FBCPTM  
335 I $G(FBCAT)'="" S DIC("DR")=".02///"_FBCAT  
336 D FILE^DICN  
337 Q +Y
```

Fee Basis Annual Update Instructions

```
338      /*
339      ;Create a new record in a calendar year multiple
340      ;input:
341      ; FBIEN - ien of the parent entry (top-level)
342      ; FBCY - calendar year
343      ;output:
344      ; >0 record number (ien) of the new CY multiple entry
345      ; <1 was not created
NEWCY(FBIEN,FBCY) /*
347      N DA,DIC,DD,DO,DLAYGO
348      S DA(1)=+FBIEN
349      S DIC="^FB(162.97,"_DA(1)_"_"CY"_"_"
350      S DIC(0)="L"
351      S DIC("P")="162.971A"
352      S X=FBCY
353      D FILE^DICN
354      Q +Y
355      ;
356      /*
357      ;Edit existing year multiple node
358      ;input:
359      ; FBIEN - ien of the parent entry (top-level)
360      ; FBIENCY - record number (ien) of the CY multiple entry
361      ; FBY - content of the ^XTMP global with RVU values
362      ;output:
363      ; 1- succesful
364      ; -1 - failed
EDITCY(FBIEN,FBIENCY,FBY) /*
366      N DA,DIE,DR,DTOUT,FBYEAR
367      S FBYEAR=+$P($G(^FB(162.97,FBIEN,"CY",FBIENCY,0)),U)
368      I FBYEAR=0 W " Wrong CY ien " Q -1
369      I FBYEAR'=$P(FBY,U) W " Wrong year " Q -1
370      S DA=FBIENCY
371      S DA(1)=FBIEN
372      S DIE="^FB(162.97,"_DA(1)_"_"CY"_"_"
373      S DR=""
374      I $P(FBY,U,2)]"" S DR=DR".02///"_$P(FBY,U,2)_"_"
375      S DR=DR".03///"_$P(FBY,U,3)_"_" ;.04///"_$P(FBY,U,4)_"_" ;.05///"_$P(FBY,U
,5)_"_" ;.06///"_$P(FBY,U,6)_"_" ;.08///"_$P(FBY,U,8)
376      D ^DIE
377      I $D(DTOUT) Q -1
378      Q 1
379      ;
380      ;
381      ;/**
382      ;return cpt major category
383      ;input:
384      ; cpt major category as a string
385      ;output:
386      ; null if none
387      ;
CPTCAT(FBCPT) /*
389      N RET,X,Y
390      S RET=""
391      S X=$P($$CPT^ICPTCOD(FBCPT),U,4)
392      I X>0 S Y=$P($$CAT^ICPTAPIU(X),U,4)
393      I $L($G(Y))>0,+$(^FB(162.99,"B",Y,0))=0 Q ""
394      I $G(Y)["EVALUATION" S Y="EVALUATION & MANAGEMENT"
395      I $G(Y)]"" S RET=Y
396      ;I "00100" ]FBCPT&(FBCPT' ]"01999") S RET="ANESTHESIA"
397      ;I "10040" ]FBCPT&(FBCPT' ]"69979") S RET="SURGERY"
398      ;I "70010" ]FBCPT&(FBCPT' ]"79999") S RET="RADIOLOGY"
399      ;I "80049" ]FBCPT&(FBCPT' ]"89399") S RET="LABORATORY"
400      ;I "90700" ]FBCPT&(FBCPT' ]"99199") S RET="MEDICINE"
```

Fee Basis Annual Update Instructions

```
401      ;I "99201" ' ]FBCPT&(FBCPT' ]"99499" ) S RET="EVALUATION & MANAGEMENT"  
402      ;Q "TEST"  
403      Q RET  
404      ;  
405      ;  
406      ;/**  
407      ;End Of File  
EOF    ;*/  
409      S $ZT=""  
410      C FBFNAME  
411      U IO  
412      W !!,"COUNT IN FILE ",FBFNAME," = ",FBCNT  
413      Q  
414      ;  
415      ;
```

Once the routine has been modified. It is possible to load the RVU data into file 162.97.

The steps are as follows:

- A. D EN^FBZRVUYY – This will import the RVUs into file 162.97.

Fee Basis Annual Update Instructions

Updating the DOL Modifier information (File #162.97, File #162.98 routines FBZFSMYY and FBZFSRY).

FBZFSMYY is used to import the modifier level tables.

FBZFSRY is used to attach the modifier level table number to the CPT code.

Modify the COPY00 and COPYMOD tags in the routines to reflect the year for the update, then run those to populate the data in files 162.97 and 162.98.

```
FBZFSM09 ;WCIOFO/MJE/TCK-IMPORT DOL MOD LVL TABLE FROM HOST FILE ; 12/1/08 1:3
      8am
2      Q
      MLTI ; DOL import of modifier level tables from OWCP files
4      ; Data will be extracted from a host file (ENF) and
5      ; imported into ^XTMP("FBMLT",
6      ; Host File format      | 2008 Modify if file layout changes
7      ; TABLE      1-4      | 1-3
8      ; MODIFIER      9-12    | 6-7
9      ; PERCENT      21-25    | 9-12
10     ;
11     K ^XTMP("FBMLT")
12     S ^XTMP("FBMLT",0)=$$FMADD^XLFD(T,DT,+90)"_"^"_DT
13     ;S ENF="USER$:[KEHOET.RBRVS2007]FS06MODS.PRN"
14     ;S ENF="USER$:[KEHOET.RBRVS2008]FS08MODS.PRN"
15     S ENF="USER$:[CHANDARANAR.RBRVS2009]FS08MODS.PRN" Point to the correct directory
and file.
16     S ENC("TOT")=0
17     O ENF
18     ; loop thru host file
19     F U ENF S $ZT="EOF^FBZFSM09" R ENX S $ZT="" U IO D Modify to correct routine.
20     . Q:$TR(ENX," ")="" ; blank line
21     . S TST=$TR($E(ENX,1,3)," ") I $L(TST)<3 S TST=$E("00"_TST,$L(TST),$L
(TST)+2) ;add leading zeros
22     . I TST'?3N W !,"Skip ",ENX Q ; not detail line
23     . ; process detail line
24     . S TBL=TST ;$TR($E(ENX,1,3)," ") Modify if file layout changes
25     . S MOD=$TR($E(ENX,6,7)," ")
26     . S PCT=$TR($E(ENX,9,12)," ")_ "0" ;add trailing zeros
27     . S X=TBL_MOD_PCT
28     . ;I X'=$TR(ENX," ") W !,"ERR: ",ENX Q
29     . I TBL'?3N W !,"TBL ERR: ",TBL Q
30     . I MOD'?2NU W !,"TABLE: ",TBL," MOD ERR: ",MOD Q
31     . Q:MOD="10" ; OWCP modifiers
32     . I "^SD^GE^GN^GP^NR^RP^RR^SG^GG^GH"'[ (U_MOD_U) S MODX=$$MOD^ICPTMOD(
MOD,"E") ;ADD GG/GH for 2008 mods
33     . I MOD="GE" S MODX=$$MOD^ICPTMOD(193,"I")
34     . I MOD="GN" S MODX=$$MOD^ICPTMOD(368,"I")
35     . I MOD="NR" S MODX=$$MOD^ICPTMOD(85,"I")
36     . I MOD="RP" S MODX=$$MOD^ICPTMOD(107,"I")
37     . I MOD="RR" S MODX=$$MOD^ICPTMOD(108,"I")
38     . I MOD="GP" S MODX=$$MOD^ICPTMOD(370,"I")
39     . I MOD="SG" S MODX=$$MOD^ICPTMOD(111,"I")
40     . I MOD="GG" S MODX=$$MOD^ICPTMOD(384,"I")
41     . I MOD="GH" S MODX=$$MOD^ICPTMOD(366,"I")
May have to add mod manually, in case it can't be matched.
42     . I $P(MODX,U)!'>0 W !,"TABLE "_TBL_" MOD ERR: "_MOD Q
43     . I PCT'?1N1P3N W !,"TABLE "_TBL_" MOD: "_MOD_" %ERR "_PCT Q
```

Fee Basis Annual Update Instructions

```

44 . S ^XTMP("FBMLT", "2008-" TBL,MOD)=PCT*100 Modify to the current year.
45 . S ENC("TOT")=ENC("TOT")+1
46 ;
EOF ; End Of File
48 S $ZT=""
49 C ENF
50 U IO
51 W !,"COUNT IN FILE ",ENF," = ",ENC("TOT")
52 Q
LOAD ;
54 S FBC("NZ")=0,FBC("Z")=0,FBC("MZ")=0,FBC("NMZ")=0
55 S TBLN=0 F S TBLN=$0(^XTMP("FBMLT",TBLN)) Q:TBLN="" D
56 . S FBC("Z")=FBC("Z")+1
57 . S TBLD=$G(^XTMP("FBMLT",TBLN))
58 . ;
59 . ; add table if not in file
60 . S Y=$0(^FB(162.98,"B",TBLN,0))
61 . I 'Y D Q:Y'>0
62 . . S FBC("NZ")=FBC("NZ")+1
63 . . K DA,DIC
64 . . S DIC="^FB(162.98," DLAYGO=162.98,DIC(0)="L",X=TBLN
65 . . I TBLD]" S DIC("DR")=.02//^S X=TBLD"
66 . . W "ADDING TABLE " TBLD,!
67 . . K DD,DO D FILE^DICN I Y'>0 W !,"ERROR ADDING NEW TABLE ",TBLN
68 . . K DIC,DLAYGO
69 . K DA,DIC
70 . S DA(1)=+Y
71 . ; process modifiers in table
72 . S MOD="" F S MOD=$0(^XTMP("FBMLT",TBLN,MOD)) Q:MOD="" D
73 . . I MOD="99" Q ; skip 99 since multiple modifiers can be entered
74 . . S FBC("MZ")=FBC("MZ")+1
75 . . I '$0(^DIC(81.3,"B",MOD,0)) W !,"NOT IN FILE SKIPPING MOD ",MOD Q
76 . . S DA=$0(^FB(162.98,DA(1),"M","B",MOD,0))
77 . . I DA'>0 D Q:DA'>0
78 . . S FBC("NMZ")=FBC("NMZ")+1
79 . . S DIC="^FB(162.98," _DA(1)_","M","",DIC(0)="L",DIC("P")="162.98
1A"
80 . . S X=MOD
81 . . W "ADDING MOD " _MOD,!
82 . . K DD,DO D FILE^DICN I Y'>0 W !,"ERROR ADDING MOD " _MOD_ in ",T
BLN
83 . . K DIC,DLAYGO
84 . . S DA=+Y
85 . . ;
86 . . S DIE="^FB(162.98," _DA(1)_","M","",
87 . . S DR=.02//^S X=" _XTMP("FBMLT",TBLN,MOD)_""
88 . . W "ADDING PERCENTAGE " _XTMP("FBMLT",TBLN,MOD),!
89 . . D ^DIE K DIE
90 W !,"TABLES = ",FBC("Z")
91 W !,"NEW TABLES = ",FBC("NZ")
92 W !,"MODIFIERS = ",FBC("MZ")
93 W !,"NEW MODIFIERS = ",FBC("NMZ")
94 Q
95 ;
UNIMOD ; Unique Modifiers and associated %(s)
97 K FB
98 ; loop thru tables for year
99 S DA=0 F S DA=$0(^FB(162.98,DA)) Q:'DA S Y=$G(^DA,0) D
100 . Q:$P(Y,U)'"2009-"
101 . ; loop thru modifiers on table
102 . S DA1=0 F S DA1=$0(^FB(162.98,DA,"M",DA1)) Q:'DA1 S Y1=$G(^DA1,0
)) D
103 . I $P(Y1,U)]"$,$P(Y1,U,2)]" S FB($P(Y1,U),$P(Y1,U,2))=""
104 ;

```

Fee Basis Annual Update Instructions

```

105 ; display list of modifiers and their percentage(s)
106 S MOD="" F S MOD=$O(FB(MOD)) Q:MOD="" D
107 . I "^GE^GN^GP^NR^RP^RR^SG^"[(U_MOD_U) S MODX=$MOD^ICPTMOD(MOD,"E")
108 . I MOD="GE" S MODX=$MOD^ICPTMOD(193,"I")
109 . I MOD="GN" S MODX=$MOD^ICPTMOD(368,"I")
110 . I MOD="NR" S MODX=$MOD^ICPTMOD(85,"I")
111 . I MOD="RP" S MODX=$MOD^ICPTMOD(107,"I")
112 . I MOD="RR" S MODX=$MOD^ICPTMOD(108,"I")
113 . I MOD="GP" S MODX=$MOD^ICPTMOD(370,"I")
114 . I MOD="SG" S MODX=$MOD^ICPTMOD(111,"I")
115 . W !,"MODIFIER ",MOD,?20,$P(MODX,U,3)
116 . W !," PERCENT(S) PAID:"
117 . S PCT="" F S PCT=$O(FB(MOD,PCT)) Q:PCT="" W " "_PCT_,"
118 Q
119 ;
COPY00 ; Create 2009 mod level tables by copying the 2008 tables
121 S TBLN="2008-"
122 F S TBLN=$O(^FB(162.98,"B",TBLN)) Q:TBLN="!($E(TBLN,1,5)="2008-"
D
123 . S FBDA=$O(^FB(162.98,"B",TBLN,0))
124 . Q:'FBDA
125 . ; determine number of new table
126 . S TBLN01="2009"_"-"_$_P(TBLN,"-",2)
127 . ;
128 . ; quit if 2009 table already defined
129 . Q:$O(^FB(162.98,"B",TBLN01,0))
130 . ;
131 . ;W !,TBLN,?10,FBDA,?20,TBLN01 Q
132 . ;
133 . ; add 2009 table
134 . K DA,DIC
135 . S DIC="^FB(162.98,"",DLAYGO=162.98,DIC(0)="L",X=TBLN01
136 . K DD,DO D FILE^DIGN I Y'>0 W !,"ERROR ADDING NEW TABLE ",TBLN01
137 . K DIC,DLAYGO
138 . Q:Y'>0
139 . ;
140 . W !,TBLN,?10,FBDA,?20,TBLN01,?30,+Y
141 . ; copy data
142 . M ^FB(162.98,+Y)=^FB(162.98,FBDA)
143 . S $_P(^FB(162.98,+Y,0),U)=TBLN01
144 . ; don't need to index since only "B" x-refs exist
145 . ;
146 ;FBZFSM09

FBZFSR09 ;WCIOFO/MJE/TCK-IMPORT DOL CPT DATA FROM HOST FILE ; 12/1/08 1:11am
2 Q
DOLI ; DOL import of CPT/HCPCS data (mod level, RVUs) from OWCP files
4 K ^XTMP("FBDOL")
5 S ^XTMP("FBDOL",0)=$FMADD^XLFD(T,DT,+120)_^"_DT
6 ;D IDOL("[BAUMANN.RBRVS2001]FS01_CODE_RVU_CF.PRN")
7 ;D IDOL("[ENFINGER.RBRVS2002]FS02_CODE_RVU_CF.PRN")
8 ;D IDOL("[HARTINJ]FS03_CODE_RVU_CF.PRN")
9 ;D IDOL("USER$:[HARTINJ]FS04_CODE_RVU_CF.PRN")
10 ;D IDOL("USER$:[KEHOET.RBRVS2008]FS08_CODE_RVU_CF.PRN;")
11 D IDOL("USER$:[CHANDARANAR.RBRVS2009]FS08CODE_RVU_CF.CSV;") Modify to the correct filename.
12 Q
IDOL(ENF) ;
14 ; Data will be extracted from a host file (ENF) and
15 ; imported into ^XTMP("FBDOL",
16 ; Host File format | 2008 - FROM CSV Modify if format changes.
17 ; CPT 1-7 | PIECE 1
18 ; STATUS 11-13 | PIECE 4

```


Fee Basis Annual Update Instructions

```

19 ; MODIFIER      8-12 19-22 | PIECE 2
20 ; MOD LEVEL    13-17 28-31 | PIECE 3
21 ; WORK RVU     18-23 40-46 | PIECE 5
22 ; PE RVU       24-29 49-56 | PIECE 6
23 ; MP RVU       30-35 60-66 | PIECE 8
24 ; ;CONV FACTOR 39-45      | PIECE 10
25 ; ;BRIEF DESC  49-END     | PIECE 12
26 ;
27 S ENC("TOT")=0
28 O ENF
29 S ML="",DLM=$C(44) ;$C(9) - OLD, 44=,FOR CSV
30 F U ENF S $ZT="EOF^FBZFSR09" R ENX S $ZT="" U IO D Modify to point to the
correct routine.
31 . S CPT=$P(ENX,DLM)
32 . S STATUS=$P(ENX,DLM,4)
33 . S MOD=$P(ENX,DLM,2)
34 . S ML=$TR($P(ENX,DLM,3)," ")
35 . I $L(ML)<3,ML'="" S ML=$E("00"_ML,$L(ML),$L(ML)+2) ;add leading zer
os
36 . S WRVU=$P(ENX,DLM,5)
37 . S PRVU=$P(ENX,DLM,7)
38 . S MRVU=$P(ENX,DLM,8)
39 . ; S CF=$P(ENX,DLM,10) S CF=$TR($E(ENX,67,72)," ")
40 . ; S BDESC=$P(ENX,DLM,12) $E(ENX,49,$L(ENX))
41 . ; I PRVU="*****" S PRVU="0.00" W !,"PE RVU = ***** for CPT ",CPT,"
",MOD
42 . ; I $L(CPT)'=5!(WRVU'?1.3N1"."2N)!(PRVU'?1.4N1"."2N)!(MRVU'?1.3N1"."
2N) Q
43 . ; I CPT_STATUS_MOD_ML_WRVU_PRVU_MRVU'=$TR($E(ENX,1,66)," ") W !,"ERR
":
",ENX
44 . I CPT="" W !,"ERROR CPT: ",ENX Q
45 . S CPTM=CPT_$S(MOD]"-":-"_MOD,1:"")
46 . ; I ML=6,CPTM="G0002" S ML=14 ; correct table is 14 per DOL
47 . ; I ML?1N W !,"Added 0 to mod level ",ML," for CPT ",CPTM S ML="0"_M
L
48 . ; I ML=550 S ML=50 W !,"Change mod level '550' to '50' per DOL for C
PT ",CPTM
49 . W !,CPT_U_STATUS_U_MOD_U_ML_U_WRVU_U_PRVU_U_MRVU
50 . S ^XTMP("FBDOL",CPTM)="2008^"_ML_U_WRVU_U_PRVU_U_MRVU
51 . S ENC("TOT")=ENC("TOT")+1
52 ;
EOF ; End Of File
54 S $ZT=""
55 C ENF
56 U IO
57 W !,"COUNT IN FILE ",ENF," = ",ENC("TOT")
58 Q
DOLML ; DOL mod level fill-in for lines with a modifier
60 S MOD="",U="^"
61 S CPTM=0 F S CPTM=$O(^XTMP("FBDOL",CPTM)) Q:CPTM="" D
62 . S ENX=$G(^XTMP("FBDOL",CPTM))
63 . Q:$P(ENX,U,2)]"" ; has mod level already
64 . S ML=$S($P(CPTM,U)[ "-":$P($G(^XTMP("FBDOL",$P(CPTM,"-"))),U,2),1:""
)
65 . S IY=$P(^XTMP("FBDOL",CPTM),U)
66 . I ML]" S $P(^XTMP("FBDOL",CPTM),U,2)=ML Q
67 . I ML="" D GETMOD(CPTM,IY,.MOD)
68 . I MOD S $P(^XTMP("FBDOL",CPTM),U,2)=MOD Q
69 . W !,"NO MOD LEVEL TABLE FOR CPTM ",CPTM
70 Q
71 ;
GETMOD(CPTM,IY,MOD) ;GET MOD DATA FROM PREVIOUS INCOME YEAR
73 N IEN,SIEN,TIEN
74 S IEN=0,(SIEN,MOD)=""

```

Fee Basis Annual Update Instructions

```

75     S IEN=$0(^FB(162.97,"B",CPTM,0))
76     I IEN>0 D
77     .I $D(^FB(162.97,IEN,"CY","B",2008)) D
78     ..S SIEN=$0(^FB(162.97,IEN,"CY","B",2008,0))
79     ..Q:SIEN'>0
80     ..I $D(^FB(162.97,IEN,"CY",SIEN)) D
81     ...S MOD=$P($G(^FB(162.97,IEN,"CY",SIEN,0)),U,2)
82     ...I MOD="" D
83     ....I $D(^FB(162.97,IEN,"CY","B",2007)) D
84     ....S SIEN=$0(^FB(162.97,IEN,"CY","B",2007,0))
85     ....Q:SIEN'>0
86     ....I $D(^FB(162.97,IEN,"CY",SIEN)) D
87     .....S MOD=$P($G(^FB(162.97,IEN,"CY",SIEN,0)),U,2)
88     I MOD="" S MOD=0
89     Q
90     ;
    EXAMDOL ;
92     S CPTM=0 F S CPTM=$0(^XTMP("FBDOL",CPTM)) Q:CPTM="" D
93     . I '$0(^ICPT("B",$P(CPTM,"-"),0)) W !,"?CPT ",CPTM
94     Q
95     ;
    DOLSZ ; dol sum rvu = z
97     W !,"DOL sum of RVUs is zero"
98     S CPTM=0 F S CPTM=$0(^XTMP("FBDOL",CPTM)) Q:CPTM="" D
99     . S FBX=$G(^XTMP("FBDOL",CPTM))
100    . S SUM=0 F I=3:1:5 S SUM=SUM+$P(FBX,U,I)
101    . I SUM'>0 W !,CPTM,?10,FBX K ^XTMP("FBDOL",CPTM)
102    Q
103    ;
    HCFAI ; HCFA IMPORT
105    ;S ENF="[BAUMANN.RBRVS2001B]PPRRVU01.TXT"
106    ;S ENF="[ENFINGER.RBRVS2002]PPRRVU02.TXT"
107    ;S ENF="[HARTINJ]PPRRVU03.TXT"
108    ;S ENF="[HARTINJ]PPRRVU0307.TXT"
109    ;S ENF="[HARTINJ]PPRRVU04.TXT"
110    ;S ENF="USER$:[KEHOET.RBRVS2008]PPRRVU08.TXT"
111    S ENF="USER$:[KEHOET.RBRVS2008]PPRRVU08.TXT"
112    K ^XTMP("FBHCFA")
113    S ^XTMP("FBHCFA",0)=$FMADD^XLFD(T,DT,+120)_""_DT
114    S ENC("TOT")=0
115    O ENF
116    F U ENF S $ZT="EOF^FBZFSR09" R ENX S $ZT="" U IO D Modify to point to the
correct routine.
117    . Q:$E(ENX,1,3)="HDR"
118    . S CPT=$TR($E(ENX,1,5)," ")
119    . S MOD=$TR($E(ENX,6,7)," ")
120    . S STA=$E(ENX,58)
121    . ;Q:"^D^X^[U_STA_U] ; deleted codes or statutory exclusion
122    . Q:"^A^R^T^[U_STA_U] ; only codes used for Medicare payment
123    . Q:$E(ENX,59)="+" ; RVU's are not used for Medicare payment
124    . S WRVU=$TR($E(ENX,61,65)," ")
125    . S TNFPRVU=$TR($E(ENX,68,72)," ")
126    . S TFPRVU=$TR($E(ENX,86,90)," ")
127    . S MRVU=$TR($E(ENX,104,109)," ")
128    . I $L(CPT)'=5!(WRVU'?1.2N1".2N)!(TNFPRVU'?1.2N1".2N)!(TFPRVU'?1.2N
1" ".2N)!(MRVU'?1.2N1".2N) W !,"SKIPPING LINE ",ENX Q
129    . I CPT="" W !,"ERROR CPT: ",ENX Q
130    . S CPTM=CPT_$S(MOD)"": "- _MOD,1: "" )
131    . ;I '$D(^XTMP("FBDOL",CPTM)) D Q
132    . ;. W !,"MISSING CPT-MOD: ",CPTM,! ,ENX
133    . S ^XTMP("FBHCFA",CPTM)="2008^^_WRVU_U_TNFPRVU_U_TFPRVU_U_MRVU
134    . S ENC("TOT")=ENC("TOT")+1
135    Q
136    ;

```

Fee Basis Annual Update Instructions

```

EXAMHCFA ;
138 S CPTM=0 F S CPTM=$0(^XTMP("FBHCFA",CPTM)) Q:CPTM="" D
139 . I '$0(^ICPT("B",$P(CPTM,"-"),0)) W !,"?CPT ",CPTM
140 Q
141 ;
HCFASZ ; hcfa sum rvu = 0
143 W !,"HCFA sum of RVUs is zero"
144 S CPTM=0 F S CPTM=$0(^XTMP("FBHCFA",CPTM)) Q:CPTM="" D
145 . S FBX=$G(^XTMP("FBHCFA",CPTM))
146 . S SUM=0 F I=3:1:6 S SUM=SUM+$P(FBX,U,I)
147 . I SUM'>0 W !,CPTM,?10,FBX K ^XTMP("FBHCFA",CPTM)
148 Q
149 ;
HCFAC ; HCFA compare
151 S CPTM=0 F S CPTM=$0(^XTMP("FBHCFA",CPTM)) Q:CPTM="" D
152 . S FBDA=$0(^FB(162.97,"B",CPTM,0))
153 . I 'FBDA W !,CPTM," NOT IN FILE ",^XTMP("FBHCFA",CPTM)
154 . S FBDA1=$$ (FBDA:$0(^FB(162.97,FBDA,"CY","B",2009,0)),1:"")
155 . I 'FBDA1 W !,CPTM," NOT IN FILE FOR CY ",^XTMP("FBHCFA",CPTM)
156 . I FBDA,FBDA1 D
157 . . S XTMP=$G(^XTMP("FBHCFA",CPTM))
158 . . S FILE=$G(^FB(162.97,FBDA,"CY",FBDA1,0))
159 . . I +$P(XTMP,U,3)'=+$P(FILE,U,3) W !,CPTM," WORK RVU'S DIFFERENT, N
EW: ",$P(XTMP,U,3)," OLD: ",$P(FILE,U,3)
160 . . I +$P(XTMP,U,4)'=+$P(FILE,U,4) W !,CPTM," NON-FAC PE RVU'S DIFFER
ENT, NEW: ",$P(XTMP,U,4)," OLD: ",$P(FILE,U,4)
161 . . I +$P(XTMP,U,5)'=+$P(FILE,U,5) W !,CPTM," FAC PE RVU'S DIFFERENT,
NEW: ",$P(XTMP,U,5)," OLD: ",$P(FILE,U,5)
162 . . I +$P(XTMP,U,6)'=+$P(FILE,U,6) W !,CPTM," MP RVU'S DIFFERENT, NEW
: ",$P(XTMP,U,6)," OLD: ",$P(FILE,U,6)
163 . ;I '$D(^XTMP("FBDOL",CPTM)) W !,CPTM," ",^XTMP("FBHCFA",CPTM)
164 Q
165 ;
FBHCFA ; loop thru existing data and compare against HCFA list
167 W !,"Check CPT-Mod to determine if missing from the HCFA data..."
168 F I="MISSING" S CNT(I)=0
169 S CPTM="" F S CPTM=$0(^FB(162.97,"B",CPTM)) Q:CPTM="" D
170 . S FBDA=$0(^FB(162.97,"B",CPTM,0))
171 . Q: '$D(^FB(162.97,FBDA,"CY","B",2009)) ; not in current year
172 . I '$D(^XTMP("FBHCFA",CPTM)) D Q
173 . . S CNT("MISSING")=CNT("MISSING")+1
174 . . W !,"Existing CPT-Mod ",CPTM," is missing from the HCFA data."
175 W !!
176 W !,"# Missing = ",CNT("MISSING")
177 Q
178 ;
DOLC ; DOL compare
180 S CPTM="" F S CPTM=$0(^XTMP("FBDOL",CPTM)) Q:CPTM="" D
181 . I '$D(^XTMP("FBHCFA",CPTM)) W !,CPTM," ",^XTMP("FBDOL",CPTM)
182 Q
183 ;
LOAD ; load data into 162.97
185 S FBC("NZ")=0,FBC("Z")=0
186 S CPTM="" F S CPTM=$0(^XTMP("FBHCFA",CPTM)) Q:CPTM="" D
187 . S FBC("Z")=FBC("Z")+1
188 . S FBY=^XTMP("FBHCFA",CPTM)
189 . S CPT=$P(CPTM,"-")
190 . ;
191 . I '$0(^ICPT("B",CPT,0)) W !,"NOT IN ICPT. SKIPPING CPT-MOD ",CPTM Q
192 . ;
193 . I $P(FBY,U,3)+$P(FBY,U,4)+$P(FBY,U,5)+$P(FBY,U,6)'>0,$P(FBY,U,7)=""
D Q
194 . . W !,"SUM OF RVUs '> 0 and base units null. SKIPPING CPT-MOD ",CPT
M

```

Fee Basis Annual Update Instructions

```

195 . ;
196 . S CAT=$$CPTCAT(CPT)
197 . I CAT=" W !,"UNKNOWN CPT CATEGORY. ",CPTM
198 . ;
199 . S Y=$0(^FB(162.97,"B",CPTM,0))
200 . I 'Y D Q:Y'>0
201 . . S FBC("NZ")=FBC("NZ")+1
202 . . K DA,DIC
203 . . S DIC="^FB(162.97,"",DLAYGO=162.97,DIC(0)="L",X=CPTM
204 . . I CAT]" S DIC("DR")=".02///"_CAT
205 . . K DD,DO D FILE^DICN I Y'>0 W !,"ERROR ADDING NEW CPT-MOD ",CPTM
206 . . K DIC,DLAYGO
207 . ;
208 . K DA,DIC
209 . S DA(1)=+Y
210 . S DA=$0(^FB(162.97,DA(1),"CY","B",2009,0))
211 . I DA'>0 D Q:DA'>0
212 . S DIC="^FB(162.97,"_DA(1)_" ,"CY" ,"",DIC(0)="L",DIC("P")="162.971
A"
213 . . S X=2009
214 . . K DD,DO D FILE^DICN I Y'>0 W !,"ERROR ADDING 2008 RVUs for ",CPTM
215 . . K DIC,DLAYGO
216 . . S DA=+Y
217 . ;
218 . S DIE="^FB(162.97,"_DA(1)_" ,"CY" ,"",
219 . S DR="
220 . I $P(FBY,U,2)]" S DR=DR_" .02///"_$P(FBY,U,2)_" ;"
221 . S DR=DR_" .03///"_$P(FBY,U,3)_" ; .04///"_$P(FBY,U,4)_" ; .05///"_$P(FBY
,U,5)_" ; .06///"_$P(FBY,U,6)
222 . D ^DIE K DA,DIE
223 W !,"CPTM = ",FBC("Z")
224 W !,"NEW CPTM = ",FBC("NZ")
225 Q
226 ;
MRGDOL ; MERGE DOL DATA INTO FILED HFCA DATA
228 ; loop thru CPT-MODIFIERS
229 S CNT("MLA")=0,CNT("MLC")=0,CNT("MLD")=0
230 K DA
231 S DA(1)=0 F S DA(1)=$0(^FB(162.97,DA(1))) Q:'DA(1) D
232 . S CPTM=$P($G(^FB(162.97,DA(1),0)),U)
233 . I CPTM=" W !,"ERROR CPTM NULL FOR ENTRY ",DA(1)
234 . S DA=$0(^FB(162.97,DA(1),"CY","B",2008,0)) Q:'DA ; no 2008 data
235 . S HCFA=$G(^FB(162.97,DA(1),"CY",DA,0))
236 . S DOL=$G(^XTMP("FBDOL",CPTM))
237 . I DOL=" W !,"MISSING DOL DATA FOR ",CPTM Q
238 . I +$P(DOL,U,3)'=+$P(HCFA,U,3) W !,CPTM," WORK RVU'S DIFFERENT, HCFA
:" , $P(HCFA,U,3) ," DOL: " , $P(DOL,U,3)
239 . I +$P(DOL,U,4)'=+$P(HCFA,U,4) W !,CPTM," PE RVU'S DIFFERENT, HCFA:
," $P(HCFA,U,4) ," DOL: " , $P(DOL,U,4)
240 . I +$P(DOL,U,5)'=+$P(HCFA,U,6) W !,CPTM," MP RVU'S DIFFERENT, HCFA:
," $P(HCFA,U,6) ," DOL: " , $P(DOL,U,5)
241 . ; update mod level ---The following line comment out whne doing new
yr
242 . I $P(HCFA,U,2)'=$P(DOL,U,2) W !,"CURRENT ML: " , $P(HCFA,U,2) ," IS DI
FFERENT FROM DOL ML: " , $P(DOL,U,2) ," FOR ",CPTM
243 . I $P(DOL,U,2)=" W !,"NO MOD LEVEL DATA FOR ",CPTM Q
244 . S TBLN="2008" - " $P(DOL,U,2)
245 . I '$D(^FB(162.98,"B",TBLN)) W !,"TABLE: " , TBLN, " IS NOT ON FILE FOR
",CPTM Q
246 . ;Q ; *** TEMP QUIT ***
247 . S DIE="^FB(162.97,"_DA(1)_" ,"CY" ,"",
248 . S DR=" .02///"_$P(DOL,U,2)
249 . I $P(DOL,U,2)=$P(HCFA,U,2)'=" S DR=" .02///@"
250 . D ^DIE K DIE

```

Fee Basis Annual Update Instructions

```
251     Q
252     ;
CPTCAT(CPT) ; return cpt category (or 0 if none)
254     N RET,X,Y
255     S RET=""
256     S X=$P($CPT^ICPTCOD(CPT),U,4)
257     I X>0 S Y=$P($CAT^ICPTAPIU(X),U,4)
258     I $G(Y)["EVALUATION" S Y="EVALUATION & MANAGEMENT"
259     I $G(Y)]"" S RET=Y
260     ;I "00100" ]CPT&(CPT']"01999") S RET="ANESTHESIA"
261     ;I "10040" ]CPT&(CPT']"69979") S RET="SURGERY"
262     ;I "70010" ]CPT&(CPT']"79999") S RET="RADIOLOGY"
263     ;I "80049" ]CPT&(CPT']"89399") S RET="LABORATORY"
264     ;I "90700" ]CPT&(CPT']"99199") S RET="MEDICINE"
265     ;I "99201" ]CPT&(CPT']"99499") S RET="EVALUATION & MANAGEMENT"
266     Q RET
267     ;
COPYMOD ; COPY MOD LEVEL TABLES FROM 2008 TO 2009
269     S FBDA=0 F S FBDA=$O(^FB(162.97,FBDA)) Q: 'FBDA D
270     . S CY00=$O(^FB(162.97,FBDA,"CY","B","2008",0))
271     . S CY01=$O(^FB(162.97,FBDA,"CY","B","2009",0))
272     . Q: 'CY00
273     . Q: 'CY01
274     . S TBLN00=$P(^FB(162.97,FBDA,"CY",CY00,0),U,2)
275     . S $P(^FB(162.97,FBDA,"CY",CY01,0),U,2)=TBLN00
276     . W !,FBDA,?10,CY00,?20,CY01,?30,TBLN00
277     Q
278     ;
279     ;FBZFSR09 Modify to the current year.
```

Once the routines have been modified. It is possible to load the modifier data into files 162.97 and 162.98.

The steps are as follows:

A. D COPYMOD^FBZFSRYY– Since modifier level tables are no longer being used or provided, the data can just be copied from the previous year. This loads the data from the previous year modifier level data into file #162.97

B. COPY00^FBZFSMYY– Since modifier level tables are no longer being used or provided, the data can just be copied from the previous year. This loads the data from the previous year modifier level data into file #162.98

Fee Basis Annual Update Instructions

Updating the Conversion Factors (File #162.99 routine FBZRVUYY).

Note that there are many references to the year, make sure to update all of them.

```
FBXIP109 ;ALB/RC-PATCH INSTALL ROUTINE ; 12/29/08 1:54pm
; ;3.5;FEE BASIS;**109**;JAN 30, 1995;Build 10
Q
;
;
PS ; post-install entry point
; create KIDS checkpoints with call backs
N FBX
F FBX="EN" D
. S Y=$$NEWCP^XPDUTL(FBX,FBX_ "^FBXIP109")
. I 'Y D BMES^XPDUTL("ERROR Creating "_FBX_" Checkpoint.")
Q
;
EN ; Begin Post-Install
D CF ;Add Conv factors
D POV ;Update Place of Visit
Q
CF ; add conversion factors for calendar year 2009 RBRVS fee schedule
; File 162.99 is being updated in the post install because the Fee
; Basis software examines this file to determine the latest available
; fee schedule. By doing this at the end of the patch installation,
; users can continue to use the payment options during the install.
D BMES^XPDUTL(" Filing conversion factor for RBRVS 2009 fee schedule."
)
N DD,DO,DA,DIE,DR,X,Y
S DA(1)=0 F S DA(1)=$0(^FB(162.99,DA(1))) Q:'DA(1) D
. S DA=$0(^FB(162.99,DA(1),"CY","B",2009,0))
. I DA'>0 D Q:DA'>0
. . S DIC=" ^FB(162.99,"_DA(1)_" ," "CY" ," ,DIC(0)="L",DIC("P")="162.991A"
,DLAGO=162.991
. . S X=2009
. . K DD,DO D FILE^DICN
. . K DIC,DLAGO
. . S DA=+Y
. ;
. S DIE=" ^FB(162.99,"_DA(1)_" ," "CY" ," ,
. S DR=".02///"_$S(DA(1)=1:20.9150,1:36.0666) Note the first conversion factor
is the anesthesia factor, the second is the medical conversion factor.
. D ^DIE
Q
POV ;Update Place of Visit Ignore, this was an additional update specific to
FB*3.5*109
;
;Add 67,68,69,56
D BMES^XPDUTL("Updating Place of Visit entries in the FEE BASIS PURPOSE
OF VISIT file (#161.82)")
N FBCNT,X,NEWENTRY,NEWCODE,NEWPOV,POVCHECK
F FBCNT=1:1 S NEWENTRY=$P($T(NEWTABLE+FBCNT),";",2) Q:NEWENTRY="EXIT"
D
. S NEWPOV=$P(NEWENTRY,"^",1),NEWCODE=$P(NEWENTRY,"^",2)
. S POVCHECK=$0(^FBAA(161.82,"C",NEWCODE,"")) D
..I POVCHECK D BMES^XPDUTL("Code: "_NEWCODE_" already exists, please ve
rify this entry in the FEE BASIS PURPOSE OF VISIT file (#161.82).") Q
..N DIC,DA,DR,DLAGO,DINUM
..S DIC=" ^FBAA(161.82,"_DIC(0)="L",DLAGO=161.82
..S X=NEWPOV,DIC("DR")="3///" S X=NEWCODE",DINUM=NEWCODE
```

Fee Basis Annual Update Instructions

```
..K DD,D0 D FILE^DICN K DIC,DA,DLAYGO
;Inactivate POV 20
N DA,DIE,DR
S DA=$0(^FBAA(161.82,"B","CLASS IIR DENTAL TREATMENT",""))
S DIE="^FBAA(161.82,"",DR="4///01/01/09"
D
.I DA D ^DIE Q
.D BMES^XPDUTL("Purpose of Visit 20, "CLASS IIR DENTAL TREATMENT", do
es not exist.")
Q
NEWTABLE ;New POVs Ignore, this was an additional update specific to FB*3.5*109
;;Dialysis^56
;;Outpatient Maternity Care Services^67
;;Bowel and Bladder care: Agency^68
;;Bowel and Bladder care: Family caregiver^69
;;EXIT
;FBXIP109
```

Fee Basis Annual Update Instructions

Update the Calculators (Routine FBAAFSR).

```
CALC(FBCY,FAC,FBCPTY0,FBGPCIY0,FBCF) ;
; Input
; FBCY = calendar year (4 digit)
; FAC = facility flag (0 or 1)
; FBCPTY0 = zero node from file 162.71
; FBGPCI0 = zero node from file 162.61
; FBCF = conversion factor (number)
; Returns $ amount
;
N GPCI,RVU,FBI,TMP,TMPRVU
S FBAMT=0
;Old formula for RBRVS pre-2007 payment amounts
I DOS<3070101 D
.S RVU(1)=$P(FBCPTY0,U,3)
I (DOS=3070101!(DOS>3070101)&(DOS<3080101)) D
.;New formula for RBRVS 2007 payment amounts
.;Multiply Work RVU by the Budget Neutrality Adjustor (0.8994)
.S TMP=$P(FBCPTY0,U,3),TMPRVU=$J((TMP*(.8994)),".",2)
.S RVU(1)=TMPRVU
I (DOS=3080101!(DOS>3080101)&(DOS<3090101)) D
.;New formula for the RBRVS 2008 payment amounts
.;Multiply Work RVU by the Budget Neutrality Adjustor (0.8994)
.S TMP=$P(FBCPTY0,U,3),TMPRVU=$J((TMP*(.8806)),".",2)
.S RVU(1)=TMPRVU
;RBRVS 2009 does not have a budget neutrality adjustor.
I (DOS=3090101!(DOS>3090101)) D
.S RVU(1)=$P(FBCPTY0,U,3)
S RVU(2)=$P(FBCPTY0,U,4+FAC)
S RVU(3)=$P(FBCPTY0,U,6)
F FBI=2,3,4 S GPCI(FBI-1)=$P(FBGPCIY0,U,FBI)
S FBAMT=((RVU(1)*GPCI(1))+(RVU(2)*GPCI(2))+(RVU(3)*GPCI(3)))*FBCF
; some procedures can't be performed in a facility setting by
; definition. the facility PE RVU for such a procedure is a null
; value.
; when facility setting - check for a null PE value and don't return am
t
I RVU(2)="",FAC S FBAMT=0 Q
Q
;
```

The line **S FBAMT=((RVU(1)*GPCI(1))+(RVU(2)*GPCI(2))+(RVU(3)*GPCI(3)))*FBCF** is the one that applies the actual calculation. In previous years, there has been a budget neutrality adjustor. Which has always been applied to RVU(1). The key to this section will be adding a line to handle the 2010 calculations. For example, if there isn't a budget neutrality adjustor for 2010. The following modifications will need to be made:

Original

```
I (DOS=3090101!(DOS>3090101)) D
.S RVU(1)=$P(FBCPTY0,U,3)
S RVU(2)=$P(FBCPTY0,U,4+FAC)
```

2010 version:

```
I (DOS=3090101!(DOS>3090101))&(DOS<3100101) D
.S RVU(1)=$P(FBCPTY0,U,3)
I (DOS=3100101!(DOS>3100101)) D
.S RVU(1)=$P(FBCPTY0,U,3)
S RVU(2)=$P(FBCPTY0,U,4+FAC)
```


Fee Basis Annual Update Instructions

Add the conversion factors for CY to file #162.99. There are only six entries in this file so the data is normally entered manually, instead of updating the two routines above. Historically, there has been one conversion factor for anesthesia services and one conversion factor for all other services. The software checks this file to see what calendar years are available.

The steps are as follows:

A. Edit each one of the six entries in the file and enter the conversion factor for calendar year from the information printed in the Federal Register.

Steps to perform an update.

- 1. Modify the routines as needed above.**
- 2. Create a build and transport the following items.**

Files:

162.96

162.97

162.98

162.99