**MCCF EDI TAS US56 (formerly USPY-30)**

System Design Document

PRCA\*4.5\*318



Department of Veterans Affairs

**March 2017**

Version 1

**User Story Number:** US56

**User Story Name:** Clerk needs auto-decrease report to reflect all CARCs associated with the decrease (Backlog ID# 328, Row 226) – formerly USPY-30

# Story

# As a user, I need the auto-decrease report to display all decrease codes used in adjudicating a claim and the dollar amount associated with the CARC.  This allows a user to properly analyze the payment for evaluating that VA has received the correct payment amount and has not been underpaid, nor overpaid for services rendered.  Each CARC code has a specific dialogue associated with it, and is universal across payment systems.

# Conversation

# Auto-Decrease Adjustment Report [RCDPE AUTO-DECREASE REPORT]

# A clerk needs an auto-decrease report to reflect all CARCs associated with the decrease.  The FY13 Auto-Decrease audit report DOES NOT show CARC’s that were used for decrease at the line level.  The FY14 didn’t update the report to reflect the line level information.  It shows a decrease, but not the CARC – which is a key piece of the decrease.

The header of the report should show the sort selection.

**Resolution – Added Changed Objects**

| Routines | Activities | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Routine Name | RCDPEADP | | | | | | | |
| **Enhancement Category** | New | | Modify | Delete | | No Change | | |
| **RTM** |  | | | | | | | |
| **Related Options** | RCDPE AUTO-DECREASE REPORT | | | | | | | |
| Routines | Activities | | | | | | | |
| **Data Dictionary (DD) References** |  | | | | | | | |
| **Related Protocols** |  | | | | | | | |
| **Related Integration Control Registrations (ICRs)** | Previously existing and activated ICR’s  Read ^DGCR(399) via Private IA 3820  Read ^DG(40.8) via Controlled IA 417  Read ^IBM(361.1) via Private IA 4051  Use DIVISION^VAUTOMA via Controlled IA 664 | | | | | | | |
| **Data Passing** | Input | Output Reference | | | Both | | Global Reference | Local |
| **Input Attribute Name and Definition** | Name:  Definition: | | | | | | | |
| **Output Attribute Name and Definition** | Name:  Definition: | | | | | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
|  | RCDPENR1  RCDPENR2  RCDPENR3  RCDPENR4 | CARCS^RCDPEAD1  COMPILE^RCDPEAD1  HDR^RCDPEAD1  TOTALD^RCDPEAD1 TOTALG^RCDPEAD1  ENDORPRT^RCDPEARL  INFO^RCDPEM6  PNM4^RCDPEWL1 |

| **Current Logic** |
| --- |
| RCDPEADP ;OIFO-BAYPINES/PJH - AUTO-DECREASE REPORT ;Nov 23, 2014@12:48:50  ;;4.5;Accounts Receivable;\*\*298\*\*;Mar 20, 1995;Build 121  ;Per VA Directive 6402, this routine should not be modified.  ;Read ^DGCR(399) via Private IA 3820  ;Read ^DG(40.8) via Controlled IA 417  ;Read ^IBM(361.1) via Private IA 4051  ;Use DIVISION^VAUTOMA via Controlled IA 664  ;  RPT ; entry point for Auto-Decrease Adjustment report [RCDPE AUTO-DECREASE REPORT]  N %ZIS,RCDISP,RCDIV,RCDTRNG,RCPAGE,RCPAY,RCPROG,RCRANGE,RCSORT,RCVAUTD,STANAM,STANUM,VAUTD,X,Y  ;Initialize page and start point  S (RCDTRNG,RCPAGE)=0,RCPROG="RCDPEADP"  ;Select Filter/Sort by Division  D STADIV Q:'RCDIV  ;Select sort criteria  S DIR(0)="SA^C:CLAIM;P:PAYER;N:PATIENT NAME;",DIR("A")="SORT BY (C)LAIM #, (P)AYER or PATIENT (N)AME?: ",DIR("B")="CLAIM" D  ^DIR K DIR Q:$D(DTOUT)!$D(DUOUT)  S RCSORT=Y  ;Select display order within sort  S DIR("A")="SORT "\_$S(RCSORT="C":"CLAIM",RCSORT="P":"PAYER",1:"PATIENT NAME")\_" (F)IRST TO LAST OR (L)AST TO FIRST?: "  S DIR(0)="SA^F:FIRST TO LAST;L:LAST TO FIRST",DIR("B")="FIRST TO LAST" D ^DIR K DIR Q:$D(DTOUT)!$D(DUOUT)  I Y="L" S RCSORT=RCSORT\_";-"  ;Select Date Range for Report  S RCRANGE=$$DTRNG() Q:RCRANGE=0  ;Select Display Type  S RCDISP=$$DISPTY() Q:RCDISP=-1  ;Display capture information for Excel  I RCDISP D INFO^RCDPEM6  ;Select output device  S %ZIS="QM" D ^%ZIS Q:POP  ;Option to queue  I 'RCDISP,$D(IO("Q")) D Q  .N ZTDESC,ZTQUEUED,ZTRTN,ZTSAVE,ZTSK  .S ZTRTN="REPORT^RCDPEADP"  .S ZTDESC="EDI LOCKBOX AUTO-DECREASE REPORT"  .S ZTSAVE("RC\*")="",ZTSAVE("VAUTD")=""  .D ^%ZTLOAD  .I $D(ZTSK) W !!,"Task number "\_ZTSK\_" has been queued."  .E W !!,"Unable to queue this job."  .K ZTSK,IO("Q") D HOME^%ZIS  ;  ;Compile and Print Report  D REPORT  Q  ;  REPORT ;Compile and print report  U IO  N DTOTAL,GLOB,GTOTAL,RCHDR,ZTREQ  K ^TMP(RCPROG,$J)  S GLOB=$NA(^TMP(RCPROG,$J))  ;Scan ERA file for entries in date range  D COMPILE  ;  ; header information  S RCHDR("START")=$$FMTE^XLFDT($P(RCRANGE,U,2),2)  S RCHDR("END")=$$FMTE^XLFDT($P(RCRANGE,U,3),2)  S RCHDR("RUNDATE")=$$FMTE^XLFDT($$NOW^XLFDT,"2S")  ; Format Division filter  S RCHDR("DIVISIONS")=$S(RCDIV=2:$$LINE(.RCVAUTD),1:"ALL")  ;  ;Display Report  D DISP  ;Clear ^TMP global  K ^TMP(RCPROG,$J),^TMP("RCSELPAY",$J)  D ^%ZISC ; close device  Q  ;  COMPILE ;Generate the Auto-Decrease report ^TMP array  N ADDATE,END,ERAIEN,RCNTR,RCRZ,STA,STNAM,STNUM  ;  ;Date Range  S ADDATE=$$FMADD^XLFDT($P(RCRANGE,U,2),-1),END=$P(RCRANGE,U,3)  S RCNTR=0 ; record counter  ; ^RCY(344.4,0) = "ELECTRONIC REMITTANCE ADVICE^344.4I^"  ; G cross-ref. REGULAR WHOLE FILE (#344.4)  ; Field: AUTO-POST DATE (344.41,9)  ;Scan G index for ERA within date range  F S ADDATE=$O(^RCY(344.4,"G",ADDATE)) Q:'ADDATE Q:(ADDATE\1)>END D  .S ERAIEN=""  .F S ERAIEN=$O(^RCY(344.4,"G",ADDATE,ERAIEN)) Q:'ERAIEN D  ..;Check division  ..D ERASTA(ERAIEN,.STA,.STNUM,.STNAM)  ..I RCDIV=2,'$D(RCVAUTD(STA)) Q  ..;Scan index for auto-decreased claim lines within the ERA  ..S RCRZ=""  ..;Save claim line detail to ^TMP global  ..F S RCRZ=$O(^RCY(344.4,"G",ADDATE,ERAIEN,RCRZ)) Q:'RCRZ D SAVE  Q  ;  SAVE ;Put the data into the ^TMP global  N AMOUNT,CARC,CLAIM,DATE,EOBIEN,PAYNAM,PTNAM,SUB,Y  ;Payer name from ERA record  S PAYNAM=$P($G(^RCY(344.4,ERAIEN,0)),U,6)  ;Format Auto-Decrease date  S DATE=$$FMTE^XLFDT(ADDATE,"2S")  ;Auto-Decrease Amount  S AMOUNT=$P($G(^RCY(344.4,ERAIEN,1,RCRZ,5)),U,4)  Q:+AMOUNT=0  ;Get pointer to EOB file #361.1 from ERA DETAIL  S EOBIEN=+$P($G(^RCY(344.4,ERAIEN,1,RCRZ,0)),U,2)  ;Claim  S CLAIM=$$CLAIM(EOBIEN)  ;Patient name from claim file #399  S PTNAM=$$PNM4^RCDPEWL1(ERAIEN,RCRZ) S:PTNAM="" PTNAM="(unknown)"  ;CARC code  S CARC=$$CARC(EOBIEN)  S RCNTR=RCNTR+1  ;If EXCEL sorting is done in EXCEL  I RCDISP S SUB="EXCEL",SUB("SORT")=$G(@GLOB@(SUB))+1,@GLOB@(SUB)=SUB("SORT")  ;Otherwise sort by DATE and selected criteria  E S SUB=ADDATE,SUB("SORT")=$S($E(RCSORT)="C":CLAIM,$E(RCSORT)="P":PAYNAM,1:PTNAM)  ;Update ^TMP global  S @GLOB@(SUB,SUB("SORT"),RCNTR)=STNAM\_U\_STNUM\_U\_CLAIM\_U\_PTNAM\_U\_PAYNAM\_U\_AMOUNT\_U\_DATE\_U\_CARC  ;Update totals for individual date  S $P(DTOTAL(ADDATE),U)=$P($G(DTOTAL(ADDATE)),U)+1,$P(DTOTAL(ADDATE),U,2)=$P($G(DTOTAL(ADDATE)),U,2)+AMOUNT  ;Update totals for date range  S $P(GTOTAL,U)=$P($G(GTOTAL),U)+1,$P(GTOTAL,U,2)=$P($G(GTOTAL),U,2)+AMOUNT  Q  ;  DISP ; Format the display for screen/printer or MS Excel  N MODE,SUB,RCDATA,RCRDNUM,RCSTOP,SUB,Y  ;  ;use the selected device  U IO  ;  S SUB="",RCSTOP=0,MODE=$S(RCSORT["-":-1,1:1) ; mode for $ORDER  F S SUB=$O(@GLOB@(SUB)) Q:SUB="" D Q:RCSTOP  .;Display Header  .I RCPAGE D ASK(.RCSTOP,0) Q:RCSTOP  .D HDR  .;  .S SUB("SORT")=""  .F S SUB("SORT")=$O(@GLOB@(SUB,SUB("SORT")),MODE) D:SUB("SORT")=""&('RCDISP) TOTALD(SUB) Q:SUB("SORT")="" D Q:RCSTOP  ..S RCRDNUM=0 F S RCRDNUM=$O(@GLOB@(SUB,SUB("SORT"),RCRDNUM)) Q:'RCRDNUM!RCSTOP D  ...S RCDATA=@GLOB@(SUB,SUB("SORT"),RCRDNUM) ;Auto-Decreased Claim  ...I RCDISP W !,RCDATA Q ; Excel spreadsheet  ...I $Y>(IOSL-6) D ASK(.RCSTOP,0) Q:RCSTOP D HDR  ...S Y=$E($P(RCDATA,U,3),1,12) ;CLAIM  ...S $E(Y,15)=$E($P(RCDATA,U,4),1,20) ;PATIENT  ...S $E(Y,35)=$E($P(RCDATA,U,5),1,19) ;PAYER  ...S $E(Y,55)=$J($P(RCDATA,U,6),7,2) ;AMOUNT  ...S $E(Y,67)=$J($P(RCDATA,U,7),8) ;DATE  ...S $E(Y,76)=$P(RCDATA,U,8) ;CARC  ...W !,Y  ;  ;Grand totals  I $D(GTOTAL) D  .;Print grand total if not EXCEL  .I 'RCSTOP,'RCDISP D TOTALG  .;Report finished  .I 'RCSTOP W !,$$ENDORPRT^RCDPEARL,! D ASK(.RCSTOP,1)  ;  ;Null Report  I '$D(GTOTAL) D  .D HDR  .W !!,?26,"\*\*\* NO RECORDS TO PRINT \*\*\*",!  ;  ;Close device  I '$D(ZTQUEUED) D ^%ZISC  I $D(ZTQUEUED) S ZTREQ="@"  Q  ;  ASK(STOP,TYP) ; Ask to continue, if TYP=1 then prompt to finish  ; If passed by reference, RCSTOP is returned as 1 if print is aborted  I $E(IOST,1,2)'["C-" Q  N DIR,DIROUT,DIRUT,DTOUT,DUOUT  S:$G(TYP)=1 DIR("A")="Enter RETURN to finish"  S DIR(0)="E" W ! D ^DIR  I ($D(DIRUT))!($D(DUOUT)) S STOP=1  Q  ;  DATES(BDATE,EDATE) ;Get a date range.  S (BDATE,EDATE)=0  S DIR("?")="ENTER THE EARLIEST AUTO POSTING DATE TO INCLUDE ON THE REPORT"  S DIR(0)="DAO^:"\_DT\_":APE",DIR("A")="START DATE: " D ^DIR K DIR  I $D(DTOUT)!$D(DUOUT)!(Y="") S BDATE=-1 Q  S BDATE=Y  S DIR("?")="ENTER THE LATEST AUTO POSTING DATE TO INCLUDE ON THE REPORT"  S DIR("B")=Y(0)  S DIR(0)="DAO^"\_BDATE\_":"\_DT\_":APE",DIR("A")="END DATE: " D ^DIR K DIR  I $D(DTOUT)!$D(DUOUT)!(Y="") S BDATE=-1 Q  S EDATE=Y  Q  ;  CARC(EOBIEN) ;Get first adjustment reason code from EOB  N ADJSUB,ADJSUB1  S ADJSUB=$O(^IBM(361.1,EOBIEN,10,0)) Q:'ADJSUB ""  S ADJSUB1=$O(^IBM(361.1,EOBIEN,10,1,0)) Q:'ADJSUB1 ""  Q $P($G(^IBM(361.1,EOBIEN,10,ADJSUB,1,ADJSUB1,0)),U)  ;  CLAIM(EOBIEN) ;function, Get claim number from AR  Q:'$G(EOBIEN)>0 "(no EOB IEN)"  N CLAIM,CLAIMIEN,REC430  ;Default to EOB claim  S CLAIM=$$EXTERNAL^DILFD(344.41,.02,,EOBIEN)  ;Get ^DGCR(399 pointer  S CLAIMIEN=$P($G(^IBM(361.1,EOBIEN,0)),U) Q:'CLAIMIEN "(no Claim IEN)" ;CLAIM  ;Use DINUM to get AR Claim #430  S REC430=$G(^PRCA(430,CLAIMIEN,0)) Q:$P(REC430,U)="" "(CLAIM not found)" ;CLAIM  ;Return claim (nnn-Knnnnnn)  Q $P(REC430,U)  ;  DISPTY() ; Get display/output type  N DIR,DUOUT,Y  S DIR(0)="Y"  S DIR("A")="Export the report to Microsoft Excel"  S DIR("B")="NO"  D ^DIR I $G(DUOUT) Q -1  Q Y  ;  DTRNG() ; Get the date range for the report  N DIR,DUOUT,RNGFLG,X,Y,RCSTART,RCEND  D DATES(.RCSTART,.RCEND)  Q:RCSTART=-1 0  Q:RCSTART "1^"\_RCSTART\_"^"\_RCEND  Q:'RCSTART "0^^"  Q 0  ;  ERASTA(ERAIEN,STA,STNUM,STNAM) ; Get the station for this ERA  N ERAEOB,ERABILL,FOUND,STAIEN  S (ERAEOB,ERABILL,FOUND)=""  S (STA,STNUM,STNAM)="UNKNOWN"  D  .S ERAEOB=$P($G(^RCY(344.4,ERAIEN,1,1,0)),U,2) Q:'ERAEOB  .S ERABILL=$P($G(^IBM(361.1,ERAEOB,0)),U,1) Q:'ERABILL  .S STAIEN=$P($G(^DGCR(399,ERABILL,0)),U,22) Q:'STAIEN  .S STA=STAIEN  .S STNAM=$$EXTERNAL^DILFD(399,.22,,STA)  .S STNUM=$P($G(^DG(40.8,STAIEN,0)),U,2)  Q  ;  HDR ; Print the report header  N MSG,Y,DIV,SUB,Z0,Z1  ;  I 'RCDISP D Q:RCSTOP  .S RCPAGE=RCPAGE+1  .W @IOF  .S MSG(1)=" EDI LOCKBOX AUTO-DECREASE ADJUSTMENT REPORT "  .S MSG(1)=MSG(1)\_" Page: "\_RCPAGE  .S MSG(2)=" RUN DATE: "\_RCHDR("RUNDATE")  .S Z0="DIVISIONS: "\_RCHDR("DIVISIONS")  .S MSG(3)=$S($L(Z0)<75:$J("",75-$L(Z0)\2),1:"")\_Z0  .S MSG(4)=" DATE RANGE: "\_RCHDR("START")\_" - "\_RCHDR("END")\_" (Date Decrease Applied)"  .S MSG(5)=""  .S MSG(6)="CLAIM # PATIENT NAME PAYER DECREASE AMT DATE CARC"  .S MSG(7)="==============================================================================="  .D EN^DDIOL(.MSG)  I RCDISP D  .W !,"STATION^STATION NUMBER^CLAIM #^PATIENT NAME^PAYER^DECREASE AMOUNT^DATE^CARC"  Q  ;  LINE(DIV) ;List selected stations  N LINE,P,SUB  S LINE="",SUB="",P=0  F S SUB=$O(DIV(SUB)) Q:'SUB S P=P+1,$P(LINE,", ",P)=$G(DIV(SUB))  Q LINE  ;  STADIV ;Division/Station Filter/Sort  ;Sort selection  N DIR,DUOUT,Y  S RCDIV=0  ;Division selection - IA 664  ;RETURNS Y=-1 (quit), VAUTD=1 (for all),VAUTD=0 (selected divisions in VAUTD)  D DIVISION^VAUTOMA Q:Y<0  ;If ALL selected  I VAUTD=1 S RCDIV=1 Q  ;If some DIVISIONS selected  S RCDIV=2  M RCVAUTD=VAUTD ; save selected divisions  Q  ;  TOTALS ;Print totals for EXCEL  N DAY,DAMT,DCNT  S DAY=""  F S DAY=$O(DTOTAL(DAY)) Q:'DAY D Q:RCSTOP  .;Day totals  .D TOTALD(DAY)  ;Grand totals  D TOTALG  Q  ;  TOTALD(DAY) ;Total for a day  N DCNT,DAMT,Y  I 'RCDISP,$Y>(IOSL-6) D HDR Q:RCSTOP  S DCNT=$P(DTOTAL(DAY),U),DAMT=$P(DTOTAL(DAY),U,2)  S Y="\*\*TOTALS FOR DATE: "\_$$FMTE^XLFDT(DAY,2),$E(Y,35)=" # OF DECREASE ADJUSTMENTS: "\_DCNT  W !!,Y  S Y="",$E(Y,28)="TOTAL AMOUNT OF DECREASE ADJUSTMENTS: $"\_$J(DAMT,3,2) W !,Y  Q  ;  TOTALG ;Overall report total  I 'RCDISP,$Y>(IOSL-6) D HDR Q:RCSTOP  N Y  W !!,"\*\*\*\* TOTALS FOR DATE RANGE: # OF DECREASE ADJUSTMENTS: "\_+$P(GTOTAL,U)  S Y="",$E(Y,28)="TOTAL AMOUNT OF DECREASE ADJUSTMENTS: $"\_$J((+$P(GTOTAL,U,2)),3,2)  W !,Y,!  Q  ; |

| **Modified Logic** |
| --- |
| **RCDPEADP ;OIFO-BAYPINES/PJH - AUTO-DECREASE REPORT ;Nov 23, 2014@12:48:50**  **;;4.5;Accounts Receivable;\*\*298,317,318\*\*;Mar 20, 1995;Build 121**  **;;Per VA Directive 6402, this routine should not be modified.**  **; Read ^DGCR(399) via Private IA 3820**  **; Read ^DG(40.8) via Controlled IA 417**  **; Read ^IBM(361.1) via Private IA 4051**  **; Use DIVISION^VAUTOMA via Controlled IA 664**  **;**  **RPT ; entry point for Auto-Decrease Adjustment report [RCDPE AUTO-DECREASE REPORT]**  **N INPUT,RCVAUTD**  **S INPUT=$$STADIV(.RCVAUTD) ; Division filter**  **Q:'INPUT ; '^' or timeout**  **S $P(INPUT,"^",2)=$$ASKSORT() ; Select Sort Criteria**  **Q:$P(INPUT,"^",2)="0" ; '^' or timeout**  **S $P(INPUT,"^",3)=$$SORTORD($P(INPUT,"^",2)) ; Select Sort Order**  **Q:$P(INPUT,"^",3)="0" ; '^' or timeout**  **S $P(INPUT,"^",4)=$$DTRNG() ; Select Date Range for Report**  **Q:'$P(INPUT,"^",4) ; '^' or timeout**  **S $P(INPUT,"^",4)=$P($P(INPUT,"^",4),"|",2,3)**  **S $P(INPUT,"^",5)=$$DISPTY() ; Select Display Type**  **Q:$P(INPUT,"^",5)=-1 ; '^' or timeout**  **D:$P(INPUT,"^",5)=1 INFO^RCDPEM6 ; Display capture information for Excel**  **Q:'$$DEVICE($P(INPUT,"^",5),.IO) ; Ask output device**  **;**  **; Compile and Display Report data (queued) - not allowed for EXCEL**  **I $P(INPUT,"^",5)'=1,$D(IO("Q")) D Q**  **.N ZTDESC,ZTQUEUED,ZTRTN,ZTSAVE,ZTSK**  **.S ZTRTN="REPORT^RCDPEADP(INPUT,.RCVAUTD,.IO)"**  **.S ZTDESC="EDI LOCKBOX AUTO-DECREASE REPORT"**  **.S ZTSAVE("RC\*")="",ZTSAVE("INPUT")="",ZTSAVE("IO\*")=""**  **.D ^%ZTLOAD**  **.I $D(ZTSK) W !!,"Task number "\_ZTSK\_" has been queued."**  **.E W !!,"Unable to queue this job."**  **.K ZTSK,IO("Q")**  **.D HOME^%ZIS**  **; Compile and Display Report data (non-queued)**  **D REPORT(INPUT,.RCVAUTD,.IO) ; Compile and Display Report data**  **Q**  **;**  **STADIV(RCVAUTD) ; Division/Station Filter**  **; Input: None**  **; Output: RCVAUTD() - Array of selected Divisions/Stations if 2 is returned**  **; Returns: 1 - All Divisions/Stations selected**  **; 2 - Specified Divisions/Stations selected**  **; 0 - "^" or timeout**  **N DIR,DIROUT,DTOUT,DUOUT,VAUTD,Y**  **;**  **; Division selection - IA 664**  **; RETURNS Y=-1 (quit), VAUTD=1 (for all),VAUTD=0 (selected divisions in VAUTD)**  **D DIVISION^VAUTOMA**  **Q:Y<0 0**  **Q:VAUTD=1 1 ; All Divisions selected**  **M RCVAUTD=VAUTD ; Save selected divisions**  **Q 2**  **;**  **ASKSORT() ; Select the sort criteria**  **; Input: None**  **; Returns: C - Sort by Claim**  **; P - Sort by Payer**  **; N - Sort by Patient Name**  **; 0 - User entered '^' or timed out**  **N DIR,DIROUT,DIRUT,DTOUT,DUOUT,XX**  **S DIR(0)="SA^C:CLAIM;P:PAYER;N:PATIENT NAME;"**  **S DIR("A")="Sort by (C)LAIM #, (P)AYER or PATIENT (N)AME?: "**  **S DIR("?",1)="Enter 'C' to sort by Claim Number, 'P' to sort by Payer or 'N' to sort"**  **S DIR("?")="by Patient Name."**  **S DIR("B")="CLAIM"**  **D ^DIR**  **Q:$D(DTOUT)!$D(DUOUT) 0**  **Q Y**  **;**  **SORTORD(SORT) ; Select the sort order**  **; Input: SORT - 'C' - Sort by Claim Number**  **; 'P' - Sort by Payer**  **; 'N' - Sort by Patient Name**  **; Returns: F - First to Last**  **; L - Last to First**  **; 0 - User entered '^' or timed out**  **N DIR,DIROUT,DIRUT,DTOUT,DUOUT,XX,YY**  **S XX=" (F)IRST TO LAST or (L)AST TO FIRST?: "**  **S YY=$S(SORT="C":"CLAIM",SORT="P":"PAYER",1:"PATIENT NAME")**  **S DIR("A")="Sort "\_YY\_XX**  **S DIR(0)="SA^F:FIRST TO LAST;L:LAST TO FIRST"**  **S DIR("B")="FIRST TO LAST"**  **D ^DIR**  **Q:$D(DTOUT)!$D(DUOUT) 0**  **Q Y**  **;**  **DTRNG() ; Get the date range for the report**  **; Input: None**  **; Returns: A1|A2|A3 - Where:**  **; A1 - 0 - User up-arrowed or timed out, 1 otherwise**  **; A2 - Auto-Post Start Date**  **; A3 - Auto-Post End Date**  **N DIR,DIROUT,DIRUT,DTOUT,DUOUT,RCEND,RCSTART,RNGFLG,X,Y**  **D DATES(.RCSTART,.RCEND)**  **Q:RCSTART=-1 0**  **Q:RCSTART "1|"\_RCSTART\_"|"\_RCEND**  **Q:'RCSTART "0||"**  **Q 0**  **;**  **DATES(BDATE,EDATE) ; Get a date range.**  **; Input: None**  **; Output: BDATE - Internal Auto-Post Start Date**  **; EDATE - Internal Auto-Post End Date**  **D1 ; looping tag**  **S (BDATE,EDATE)=0**  **S DIR("?")="Enter the earliest Auto-Posting date to include on the report."**  **S DIR(0)="DAO^:"\_DT\_":APE"**  **S DIR("A")="Start Date: "**  **D ^DIR**  **K DIR**  **I $D(DTOUT)!$D(DUOUT)!(Y="") S BDATE=-1 Q**  **S BDATE=Y**  **S DIR("?")="Enter the latest Auto-Posting date to include on the report."**  **S DIR("B")=Y(0)**  **S DIR(0)="DAO^"\_BDATE\_":"\_DT\_":APE"**  **S DIR("A")="End Date: "**  **D ^DIR**  **K DIR**  **I $D(DTOUT)!$D(DUOUT)!(Y="") S BDATE=-1 Q**  **S EDATE=Y**  **Q**  **;**  **DISPTY() ; Get display/output type**  **; Input: None**  **; Returns: 1 - Output to Excel**  **; 0 - Output to paper**  **N DIR,DIROUT,DIRUT,DTOUT,DUOUT,Y**  **S DIR(0)="Y"**  **S DIR("A")="Export the report to Microsoft Excel"**  **S DIR("B")="NO"**  **D ^DIR**  **I $G(DUOUT) Q -1**  **Q Y**  **;**  **DEVICE(EXCEL,IO) ; Select the output device**  **; Input: EXCEL - 1 - Output to Excel, 0 otherwise**  **; Output:**  **; IO - Array of selected output info**  **; Returns: 0 - No device selected, 1 Otherwise**  **N POP,%ZIS**  **S %ZIS="QM"**  **D ^%ZIS**  **Q:POP 0**  **Q 1**  **;**  **REPORT(INPUTS,RCVAUTD,IO) ; Compile and print report**  **; Input: INPUTS - A1^A2^A3^...^An Where:**  **; A1 - 1 - All divisions selected**  **; 2 - Selected divisions**  **; A2 - C - Sort by Claim**  **; P - Sort by Payer**  **; N - Sort by Patient Name**  **; A3 - F - First to Last Sort Order**  **; L - Last to First Sort Order**  **; A4 - B1|B2**  **; B1 - Auto-Post Start Date**  **; B2 - Auto-Post End Date**  **; A5 - 1 - Output to Excel**  **; 0 - Otherwise**  **; RCVAUTD - Array of selected Divisions**  **; Only passed if A1=2**  **; IO - Output Device**  **; Output:**  **N DTOTAL,GTOTAL,XX,ZTREQ**  **U IO**  **K ^TMP("RCDPEADP",$J)**  **D COMPILE^RCDPEAD1(INPUTS,.RCVAUTD,.DTOTAL,.GTOTAL) ; Scan ERA file for**  **entries in date range**  **D DISP(INPUTS,.DTOTAL,.GTOTAL) ; Display Report**  **K ^TMP("RCDPEADP",$J),^TMP("RCSELPAY",$J) ; Clear TMP global**  **D ^%ZISC ; Close device**  **Q**  **;**  **SAVE(ADDATE,ERAIEN,RCRZ,EXCEL,RCSORT,CARCS,RCTR,STNAM,STNUM) ; Put the data into the ^TMP global**  **; Input: ADDATE - Current Internal Date being processed**  **; ERAIEN - Internal IEN of the ERA record**  **; RCRZ - ERA line number**  **; EXCEL - 1 output to Excel, 0 otherwise**  **; RCSORT - C - Sort by Claim**  **; P - Sort by Payer**  **; N - Sort by Patient Name**  **; CARCS - ^ delimited string of CARC information found**  **; on the EOB record pointed to by the ERA detail record**  **; A1;A2;A3;A4^B1;B2;B3;B4^...^N1;N2;N3;N4 Where:**  **; A1 - Auto-Decrease amount of the 1st CARC code**  **; A2 - 1st CARC code**  **; A3 - Quantity of the first CARC code**  **; A4 - Truncated Reason text of the 1st CARC**  **; DTOTAL() - Current Array of totals by Auto-Post Date**  **; GTOTAL - Current Grand totals**  **; RCTR - Current Record Counter**  **; STNAM - Station Name**  **; STNUM - Station Number**  **; ^TMP("RCDPEADP",$J) - Current report data**  **; See DISP for a full description**  **; Output: DTOTAL() - Updated Array of totals by Auto-Post Date**  **; GTOTAL - Updated Grand totals**  **; RCTR - Updated Record Counter**  **; ^TMP("RCDPEADP",$J,A1,A2,A3) - B1^B2^B3^...^Bn Where:**  **; - A1 - "EXCEL" if exporting to excel**  **; Internal fileman date if not exporting to excel**  **; A2 - Excel Line Counter if exporting to excel**  **; External Claim number is sorting by claim**  **; External Payer Name if sorting by Payer**  **; External Patient Name if sorting by Patient Name**  **; A3 - Record Counter**  **; B1 - External Station Name**  **; B2 - External Station Number**  **; B3 - External Claim Number**  **; B4 - External Patient Name**  **; B5 - External Payer Name**  **; B6 - Auto-Decrease Amount**  **; B7 - Auto-Decrease Date**  **; ^TMP("RCDPEADP",$J,A1,A2,A3,A4) - C1^C2^C3^C4 Where:**  **; - A1 - "EXCEL" if exporting to excel**  **; Internal fileman date if not exporting to excel**  **; A2 - Excel Line Counter if exporting to excel**  **; External Claim number is sorting by claim**  **; External Payer Name if sorting by Payer**  **; External Patient Name if sorting by Patient Name**  **; A3 - Record Counter**  **; A4 - CARC Counter**  **; C1 - CARC Code (file 361.111, field .01)**  **; C2 - Decrease Amount (file 361.111, field .02)**  **; C3 - Quantity (file 361.111, field .03)**  **; C4 - Reason (file 361.111, field .04)**  **N A1,A2,AMOUNT,CARC,CLAIM,DATE,EOBIEN,PAYNAM,PTNAM,XX,Y**  **S PAYNAM=$$GET1^DIQ(344.4,ERAIEN,.06,"E") ; Payer name from ERA record**  **S DATE=$$FMTE^XLFDT(ADDATE,"2SZ") ; Format Auto-Decrease date**  **S AMOUNT=$$GET1^DIQ(344.41,RCRZ\_","\_ERAIEN\_",",8,"I") ; Auto-Decrease Amount**  **Q:+AMOUNT=0**  **S EOBIEN=$$GET1^DIQ(344.41,RCRZ\_","\_ERAIEN\_",",.02,"I") ; IEN to file 361.1 -ERA detail**  **S CLAIM=$$CLAIM(EOBIEN) ; Claim #**  **S PTNAM=$$PNM4^RCDPEWL1(ERAIEN,RCRZ) ; Patient Name from Claim file #399**  **S:PTNAM="" PTNAM="(unknown)"**  **S RCTR=RCTR+1**  **;**  **; If EXCEL sorting is done in EXCEL**  **I EXCEL=1 D**  **. S A1="EXCEL",A2=$G(^TMP("RCDPEADP",$J,A1))+1**  **. S ^TMP("RCDPEADP",$J,A1)=A2**  **;**  **; Otherwise sort by DATE and selected criteria**  **I 'EXCEL D**  **. S A1=ADDATE**  **. S A2=$S($E(RCSORT)="C":CLAIM,$E(RCSORT)="P":PAYNAM,1:PTNAM)**  **;**  **; Update ^TMP global if claim level adjustments are found for this claim**  **Q:'+$O(^IBM(361.1,EOBIEN,10,0)) ; No claim level adjustments**  **S XX=STNAM\_U\_STNUM\_U\_CLAIM\_U\_PTNAM\_U\_PAYNAM\_U\_AMOUNT\_U\_DATE**  **S ^TMP("RCDPEADP",$J,A1,A2,RCTR)=XX ; Claim Information**  **D CARCS^RCDPEAD1(A1,A2,RCTR,CARCS) ; CARC information**  **;**  **; Update totals for individual date**  **S $P(DTOTAL(ADDATE),U)=$P($G(DTOTAL(ADDATE)),U)+1**  **S $P(DTOTAL(ADDATE),U,2)=$P($G(DTOTAL(ADDATE)),U,2)+AMOUNT**  **;**  **; Update totals for date range**  **S $P(GTOTAL,U)=$P($G(GTOTAL),U)+1,$P(GTOTAL,U,2)=$P($G(GTOTAL),U,2)+AMOUNT**  **Q**  **;**  **DISP(INPUTS,DTOTAL,GTOTAL) ; Format the display for screen/printer or MS Excel**  **; Input: INPUTS - A1^A2^A3^...^An Where:**  **; A1 - 1 - All divisions selected**  **; 2 - Selected divisions**  **; A2 - C - Sort by Claim**  **; P - Sort by Payer**  **; N - Sort by Patient Name**  **; A3 - F - First to Last Sort Order**  **; L - Last to First Sort Order**  **; A4 - B1|B2**  **; B1 - Auto-Post Start Date**  **; B2 - Auto-Post End Date**  **; A5 - 1 - Output to Excel**  **; 0 - Otherwise**  **; IO - Output Device**  **; DTOTAL()- Array of totals by Internal Auto-Post date**  **; GTOTAL - Grand Totals for the selected date period**  **; ^TMP("RCDPEADP",$J) - See SAVE for a complete description**  **N A1,A2,A3,DATA,EXCEL,HDRINFO,MODE,PAGE,RCRDNUM,STOP,Y**  **U IO ; Use the selected device**  **S EXCEL=$P(INPUTS,"^",5)**  **;**  **; Header information**  **S XX=$P(INPUTS,"^",4) ; Auto-Post Date range**  **S HDRINFO("START")=$$FMTE^XLFDT($P(XX,"|",1),"2SZ")**  **S HDRINFO("END")=$$FMTE^XLFDT($P(XX,"|",2),"2SZ")**  **S HDRINFO("RUNDATE")=$$FMTE^XLFDT($$NOW^XLFDT,"2SZ")**  **s XX=$P(INPUTS,"^",2) ; Sort Type**  **S HDRINFO("SORT")="Sorted By: "\_$S(XX="C":"Claim",XX="P":"Payer",1:"Patient Name")**  **S XX=$S($P(INPUTS,"^",3)="L":"Last to First",1:"First to Last")**  **S HDRINFO("SORT")=HDRINFO("SORT")\_" - "\_XX**  **;**  **; Format Division filter**  **S XX=$P(INPUTS,"^",1) ; XX=1 - All Divisions, 2- selected**  **S HDRINFO("DIVISIONS")=$S(XX=2:$$LINE(.RCVAUTD),1:"ALL")**  **;**  **S A1="",PAGE=0,STOP=0**  **S MODE=$S($P(INPUTS,"^",3)="L":-1,1:1) ; Mode for $ORDER direction**  **F D Q:(A1="")!STOP**  **. S A1=$O(^TMP("RCDPEADP",$J,A1))**  **. Q:A1=""**  **. I PAGE D ASK(.STOP,0) Q:STOP ; Output to screen, quit if user wants to**  **. D HDR^RCDPEAD1(EXCEL,.HDRINFO,.PAGE) ; Display Header**  **. ;**  **. S A2=""**  **. F D Q:(A2="")!STOP**  **. . S A2=$O(^TMP("RCDPEADP",$J,A1,A2),MODE)**  **. . I 'EXCEL,A2="" D TOTALD^RCDPEAD1(EXCEL,.HDRINFO,.PAGE,.STOP,A1,.DTOTAL)**  **. . Q:A2=""**  **. . S A3=0**  **. . F D Q:'A3!STOP**  **. . . S A3=$O(^TMP("RCDPEADP",$J,A1,A2,A3))**  **. . . Q:'A3**  **. . . S DATA=^TMP("RCDPEADP",$J,A1,A2,A3) ; Auto-Decreased Claim**  **. . . I EXCEL D EXCEL(DATA,A1,A2,A3) Q ; Output to Excel**  **. . . I $Y>(IOSL-4) D Q:STOP ; End of page**  **. . . . D ASK(.STOP,0)**  **. . . . Q:STOP**  **. . . . D HDR^RCDPEAD1(EXCEL,.HDRINFO,.PAGE)**  **. . . S Y=$E($P(DATA,U,3),1,12) ; Claim #**  **. . . S $E(Y,15)=$E($P(DATA,U,4),1,20) ; Patient Name**  **. . . S $E(Y,37)=$E($P(DATA,U,5),1,19) ; Payer Name**  **. . . S $E(Y,55)=$J($P(DATA,U,6),12,2) ; Auto-Decrease Amount**  **. . . S $E(Y,69)=$P(DATA,U,7) ; Auto-Decrease Date**  **. . . W !,Y**  **. . . D DCARCS(A1,A2,A3,EXCEL,.HDRINFO,.PAGE,.STOP) ; Display CARCs**  **. . . W:'EXCEL !**  **;**  **; Grand totals**  **I $D(GTOTAL) D**  **. I 'STOP,'EXCEL D ; Print grand total if not Excel**  **. . D TOTALG^RCDPEAD1(EXCEL,.HDRINFO,.PAGE,GTOTAL)**  **. I 'STOP D ; Report finished**  **. . W !,$$ENDORPRT^RCDPEARL,!**  **. . D ASK(.STOP,1)**  **;**  **; Null Report**  **I '$D(GTOTAL) D**  **. D HDR^RCDPEAD1(EXCEL,.HDRINFO,.PAGE)**  **. W !!,?26,"\*\*\* No Records to Print \*\*\*",!**  **;**  **; Close device**  **I '$D(ZTQUEUED) D ^%ZISC**  **I $D(ZTQUEUED) S ZTREQ="@"**  **Q**  **;**  **DCARCS(A1,A2,A3,EXCEL,HDRINFO,PAGE,STOP) ; Display CARC information**  **; Input: A1 - "EXCEL" if exporting to excel**  **; Internal fileman date if not exporting to excel**  **; A2 - Excel Line Counter if exporting to excel**  **; External Claim number is sorting by claim**  **; External Payer Name if sorting by Payer**  **; External Patient Name if sorting by Patient Name**  **; A3 - Record Counter**  **; EXCEL - 1 if exporting to Excel, 0 otherwise**  **; HDRINFO() - Array of header information**  **; PAGE - Current Page number**  **; ^TMP("RCDPEADP",$J) - Array of report data. See SAVE for details**  **; Output: PAGE - Updated Page number**  **; STOP - 1 if user aborts display, 0 otherwise**  **N A4,DATA,FIRST,XX**  **S A4="",FIRST=1**  **F D Q:(A4="")!STOP**  **. S A4=$O(^TMP("RCDPEADP",$J,A1,A2,A3,A4))**  **. Q:A4=""**  **. S DATA=^TMP("RCDPEADP",$J,A1,A2,A3,A4)**  **. I 'EXCEL,$Y>(IOSL-4) D Q:STOP ; End of page**  **. . D ASK(.STOP,0)**  **. . Q:STOP**  **. . S FIRST=1**  **. . D HDR^RCDPEAD1(EXCEL,.HDRINFO,.PAGE,1)**  **. I FIRST D ; CARC header**  **. . S FIRST=0**  **. . I EXCEL D Q**  **. . . W !!,"CARC^Decrease Amt^Quantity^Reason"**  **. . W !!," CARC Decrease Amt # Reason"**  **. . W !," -------------------- ------------- ---- ---------------**  **--------------"**  **. S XX=" "\_$E($P(DATA,U,1),1,20) ; CARC**  **. S $E(XX,27)=$J($P(DATA,U,2),12,2) ; Decrease Amount**  **. S $E(XX,42)=$J($P(DATA,U,3),4) ; Quantity**  **. S $E(XX,48)=$E($P(DATA,U,4),1,32) ; Reason**  **. W !,XX**  **Q**  **;**  **EXCEL(DATA,A1,A2,A3) ; Format EXCEL line**  **; Input: DATA - ERA line adjustment total**  **; A1,A2,A3 - ^TMP("RCDPEAP") subscripts**  **N CARCAMT,CCTR,DATA1**  **S CCTR=0**  **F S CCTR=$O(^TMP("RCDPEADP",$J,A1,A2,A3,CCTR)) Q:'CCTR D**  **. ;Display an EXCEL line for each CARC adjustment on the line**  **. S DATA1=$G(^TMP("RCDPEADP",$J,A1,A2,A3,CCTR)),CARCAMT=$P(DATA1,U,2)**  **. W !,$P(DATA,U,1,5)\_U\_CARCAMT\_U\_$P(DATA,U,7)\_U\_DATA1**  **Q**  **;**  **LINE(DIV) ; List selected stations**  **; Input: DIV() - Array of selected divisions**  **; Returns: Comma delimited list of selected divisions**  **N LINE,P,SUB**  **S LINE="",SUB="",P=0**  **F D Q:'SUB**  **. S SUB=$O(DIV(SUB))**  **. Q:'SUB**  **. S P=P+1,$P(LINE,", ",P)=$G(DIV(SUB))**  **Q LINE**  **;**  ASK(STOP,TYP) ; Ask to continue, if TYP=1 then prompt to finish  ; Input: TYP - 1 - Prompt to finish, 0 Otherwise  ; IOST - Device Type  ; Output: STOP - 1 to abort print, 0 otherwise  N DIR,DIROUT,DIRUT,DTOUT,DUOUT  Q:$E(IOST,1,2)'["C-" ; Not a terminal  S:$G(TYP)=1 DIR("A")="Enter RETURN to finish"  S DIR(0)="E"  W !  D ^DIR  I ($D(DIRUT))!($D(DUOUT)) S STOP=1  Q  ;  **CLAIM(EOBIEN) ; Gets the claim number from AR**  **; Input: EOBIEN - Internal IEN for file 361.1**  **; Returns: External Claim Number**  **N CLAIM,CLAIMIEN**  **Q:'$G(EOBIEN)>0 "(no EOB IEN)"**  **S CLAIMIEN=$$GET1^DIQ(361.1,EOBIEN,.01,"I") ; IEN for file 399**  **Q:'CLAIMIEN "(no Claim IEN)"**  **S CLAIM=$$GET1^DIQ(430,CLAIMIEN,.01,"I")**  **Q:CLAIM="" "(Claim not found)"**  **Q CLAIM ; Return claim (nnn-Knnnnnn)**  **;** |
|  |

| Routines | Activities | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Routine Name | RCDPEAD1 | | | | | | | |
| **Enhancement Category** | New | | Modify | Delete | | No Change | | |
| **RTM** |  | | | | | | | |
| **Related Options** | RCDPE AUTO-DECREASE REPORT | | | | | | | |
| Routines | Activities | | | | | | | |
| **Data Dictionary (DD) References** |  | | | | | | | |
| **Related Protocols** | N/A | | | | | | | |
| **Related Integration Control Registrations (ICRs)** | N/A | | | | | | | |
| **Data Passing** | Input | Output Reference | | | Both | | Global Reference | Local |
| **Input Attribute Name and Definition** | Name:  Definition: | | | | | | | |
| **Output Attribute Name and Definition** | Name:  Definition: | | | | | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
|  | RCDPEADP | $$CARCLMT^RCDPEAD  SAVE^RCDPEADP |

| **Current Logic** |
| --- |
| N/A |
|  |

| **Modified Logic** |
| --- |
| **RCDPEAD1 ;OIFO-BAYPINES/PJH - AUTO-DECREASE REPORT ;Nov 23, 2014@12:48:50**  **;;4.5;Accounts Receivable;\*\*298,317,318\*\*;Mar 20, 1995;Build 121**  **;;Per VA Directive 6402, this routine should not be modified.**  **;**  **CARCS(A1,A2,A3,CARCS) ; Get CARC Auto-Decrease data**  **; Input: A1 - "EXCEL" if exporting to excel**  **; Internal fileman date if not exporting to excel**  **; A2 - Excel Line Counter if exporting to excel**  **; External Claim number is sorting by claim**  **; External Payer Name if sorting by Payer**  **; External Patient Name if sorting by Patient Name**  **; A3 - Record Counter**  **; CARCS - ^ delimited string of CARC information**  **; See SAVE for a complete description**  **; Output: ^TMP("RCDPEADP",$J,A1,A2,A3,A4) - C1^C2^C3^C4 Where:**  **; - A1 - "EXCEL" if exporting to excel**  **; Internal fileman date if not exporting to excel**  **; A2 - Excel Line Counter if exporting to excel**  **; External Claim number is sorting by claim**  **; External Payer Name if sorting by Payer**  **; External Patient Name if sorting by Patient Name**  **; A3 - Record Counter**  **; A4 - CARC Counter**  **; C1 - CARC Code (file 361.111, field .01)**  **; C2 - Decrease Amount (file 361.111, field .02)**  **; C3 - Quantity (file 361.111, field .03)**  **; C4 - Reason (file 361.111, field .04)**  **N AMT,CCTR,OCARC,QUANT,REASON,XX**  **;**  **; Loop through all of the valid CARCs found in the EOB record**  **F CCTR=1:1:$L(CARCS,"^") D**  **. S OCARC=$P(CARCS,"^",CCTR)**  **. S CARC=$P(OCARC,";",2) ; CARC Code**  **. S AMT=$P(OCARC,";",1) ; Amount**  **. S QUANT=$P(OCARC,";",3) ; Quantity**  **. S REASON=$P(OCARC,";",4) ; Reason Text**  **. S XX=CARC\_"^"\_AMT\_"^"\_QUANT\_"^"\_REASON**  **. S ^TMP("RCDPEADP",$J,A1,A2,A3,CCTR)=XX**  **Q**  **;**  **COMPILE(INPUTS,RCVAUTD,DTOTAL,GTOTAL) ; Generate the Auto-Decrease report ^TMP array**  **; Input: INPUTS - A1^A2^A3^...^An Where:**  **; A1 - 1 - All divisions selected**  **; 2 - Selected divisions**  **; A2 - C - Sort by Claim**  **; P - Sort by Payer**  **; N - Sort by Patient Name**  **; A3 - F - First to Last Sort Order**  **; L - Last to First Sort Order**  **; A4 - B1|B2**  **; B1 - Auto-Post Start Date**  **; B2 - Auto-Post End Date**  **; A5 - 1 - Output to Excel**  **; 2 - Otherwise**  **; RCVAUTD - Array of selected Divisions**  **; Only passed if A1=2**  **; Output: DTOTAL() - Array of totals by Auto-Post Date**  **; GTOTAL - Grand totals**  **; ^TMP("RCDPEADP",$J) - Array of report data**  **; See SAVE for a full description**  **N ADDATE,CARCS,END,ERAIEN,EOBIEN,EXCEL,RCTR,RCRZ,RCSORT,STA,STNAM,STNUM,XX**  **;**  **S XX=$P(INPUTS,"^",4) ; Auto-Post Date range**  **S ADDATE=$$FMADD^XLFDT($P(XX,"|",1),-1)**  **S END=$P(XX,"|",2) ; Auto-Post End Date**  **S RCTR=0 ; Record counter**  **S EXCEL=$P(INPUTS,"^",5) ; 1 output to Excel, 0 otherwise**  **S RCSORT=$P(INPUTS,"^",2) ; Sort Type**  **;**  **; ^RCY(344.4,0) = "ELECTRONIC REMITTANCE ADVICE^344.4I^"**  **; G cross-ref. REGULAR WHOLE FILE (#344.4)**  **; Field: AUTO-POST DATE (344.41,9)**  **; Scan G index for ERA within date range**  **F S ADDATE=$O(^RCY(344.4,"G",ADDATE)) Q:'ADDATE Q:(ADDATE\1)>END D**  **. S ERAIEN=""**  **. F D Q:'ERAIEN**  **. . S ERAIEN=$O(^RCY(344.4,"G",ADDATE,ERAIEN))**  **. . Q:'ERAIEN**  **. . D ERASTA(ERAIEN,.STA,.STNUM,.STNAM) ; Check for valid Division**  **. . I $P(INPUTS,"^",1)=2,'$D(RCVAUTD(STA)) Q ; Not a valid Division**  **. . ;**  **. . ; Scan index for auto-decreased claim lines within the ERA**  **. . ; and Save claim line detail to ^TMP global**  **. . S RCRZ=""**  **. . F D Q:'RCRZ**  **. . . S RCRZ=$O(^RCY(344.4,"G",ADDATE,ERAIEN,RCRZ))**  **. . . Q:'RCRZ**  **. . . S EOBIEN=$$GET1^DIQ(344.41,RCRZ\_","\_ERAIEN\_",",.02,"I")**  **. . . ;**  **. . . ; Find all Claim level and Claim line level CARCs**  **. . . S CARCS=$$CARCLMT^RCDPEAD(EOBIEN,1,ADDATE)**  **. . . Q:+CARCS=0 ; No CARCs found**  **. . . D SAVE^RCDPEADP(ADDATE,ERAIEN,RCRZ,EXCEL,RCSORT,CARCS,.RCTR,STNAM,STNUM)**  **Q**  **;**  **ERASTA(ERAIEN,STA,STNUM,STNAM) ; Get the station for this ERA**  **; Input: ERAIEN - Internal IEN for file 344.4**  **; Output: STA - Internal Station IEN**  **; STNUM - Station Number**  **; STNAM - Station Name**  **N ERAEOB,ERABILL,STAIEN**  **S (ERAEOB,ERABILL)=""**  **S (STA,STNUM,STNAM)="UNKNOWN"**  **S ERAEOB=$$GET1^DIQ(344.41,"1,"\_ERAIEN\_",",.02,"I")**  **Q:'ERAEOB**  **S ERABILL=$$GET1^DIQ(361.1,ERAEOB,.01,"I")**  **Q:'ERABILL**  **S STAIEN=$$GET1^DIQ(399,ERABILL,.22,"I")**  **Q:'STAIEN**  **S STA=STAIEN**  **S STNAM=$$EXTERNAL^DILFD(399,.22,,STA)**  **S STNUM=$$GET1^DIQ(40.8,STAIEN,1,"I")**  **Q**  **;**  **HDR(EXCEL,HDRINFO,PAGE,NOLINE) ; Print the report header**  **; Input: EXCEL - 1 if output to Excel, 0 otherwise**  **; HDRINFO() - Array of Header information**  **; PAGE - Current Page Number**  **; NOLINE - 1 to not display Claim line header**  **; Optional, defaults to 0**  **; Output: PAGE - Updated Page Number (if EXCEL=0)**  **N DIV,MSG,SUB,XX,Y,Z0,Z1**  **S:'$D(NOLINE) NOLINE=0**  **I EXCEL D Q**  **. W !,"STATION^STATION NUMBER^CLAIM #^PATIENT NAME^PAYER^DECREASE AMOUNT^DATE^CARC"**  **. W "^DECREASE AMT^#^REASON"**  **;**  **S PAGE=PAGE+1**  **W @IOF**  **S MSG(1)=" EDI Lockbox Auto-Decrease Adjustment Report "**  **S MSG(1)=MSG(1)\_" Page: "\_PAGE**  **S MSG(2)=" Run Date: "\_HDRINFO("RUNDATE")**  **S Z0="Divisions: "\_HDRINFO("DIVISIONS")**  **S MSG(3)=$S($L(Z0)<75:$J("",75-$L(Z0)\2),1:"")\_Z0**  **S XX=" (Date Decrease Applied)"**  **S MSG(4)=" Date Range: "\_HDRINFO("START")\_" - "\_HDRINFO("END")\_XX**  **S MSG(5)=" "\_HDRINFO("SORT")**  **S MSG(6)=""**  **I 'NOLINE D**  **. S MSG(7)="Claim # Patient Name Payer Decrease Amt Date "**  **. S MSG(8)="===========================================================**  **================="**  **D EN^DDIOL(.MSG)**  **Q**  **;**  **TOTALD(EXCEL,HDRINFO,PAGE,STOP,DAY,DTOTAL) ; Totals for a single day**  **; Input: EXCEL - 1 if output to Excel, 0 otherwise**  **; HDRINFO() - Array of header information**  **; PAGE - Current Page Number**  **; DAY - Internal Fileman date to display totals for**  **; DTOTAL() - Array of totals by day**  **; IOSL - Page length**  **; Output: PAGE - Updated Page Number (if a new header is displayed)**  **; STOP - 1 if displaying to screen and user asked to stop**  **N DCNT,DAMT,Y**  **I 'EXCEL,$Y>(IOSL-4) D**  **. D HDR(EXCEL,.HDRINFO,.PAGE)**  **S DCNT=$P(DTOTAL(DAY),U),DAMT=$P(DTOTAL(DAY),U,2)**  **S Y="\*\*Totals for Date: "\_$$FMTE^XLFDT(DAY,"2Z")**  **S $E(Y,35)=" # of Decrease Adjustments: "\_DCNT**  **W !!,Y**  **S Y="",$E(Y,28)="Total Amount of Decrease Adjustments: $"\_$J(DAMT,3,2)**  **W !,Y**  **Q**  **;**  **TOTALS ; Print totals for EXCEL**  **N DAY,DAMT,DCNT**  **S DAY=""**  **F S DAY=$O(DTOTAL(DAY)) Q:'DAY D Q:STOP**  **.;Day totals**  **.D TOTALD(DAY)**  **;Grand totals**  **D TOTALG**  **Q**  **;**  **TOTALG(EXCEL,HDRINFO,PAGE,GTOTAL) ; Overall report total**  **; Input: EXCEL - 1 if output to Excel, 0 otherwise**  **; HDRINFO() - Array of header information**  **; PAGE - Current Page Number**  **; GTOTAL() - Grand Totals for report**  **; IOSL - Page length**  **; Output: PAGE - Updated Page Number (if a new header is displayed)**  **N Y**  **I 'EXCEL,$Y>(IOSL-6) D HDR(EXCEL,.HDRINFO,.PAGE)**  **W !!,"\*\*\*\* Totals for Date Range: # of Decrease Adjustments:**  **"\_+$P(GTOTAL,U,1)**  **S Y="",$E(Y,28)="Total Amount of Decrease Adjustments: $"\_$J((+$P(GTOTAL,U,2)),3,2)**  **W !,Y,!**  **Q**  **;** |

| Routines | Activities | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Routine Name | RCDPEAD | | | | | | | |
| **Enhancement Category** | New | | Modify | Delete | | No Change | | |
| **RTM** |  | | | | | | | |
| **Related Options** | PRCA NIGHTLY PROCESS (auto decrease module)  RCDPE AUTO-DECREASE REPORT | | | | | | | |
| Routines | Activities | | | | | | | |
| **Data Dictionary (DD) References** |  | | | | | | | |
| **Related Protocols** |  | | | | | | | |
| **Related Integration Control Registrations (ICRs)** | Previously existing and activated ICR’s  Read ^IBM(361.1) via Private IA 4051 | | | | | | | |
| **Data Passing** | Input | Output Reference | | | Both | | Global Reference | Local |
| **Input Attribute Name and Definition** | Name:  Definition: | | | | | | | |
| **Output Attribute Name and Definition** | Name:  Definition: | | | | | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
|  | RCDPEM  RCDPEAD1 | INCDEC^RCBEUTR1  BUILD^RCDPEAP  PHARM^RCDPEAP1  PENDPAY^RCDPURET |

| **Current Logic** |
| --- |
| RCDPEAD ;ALB/PJH - AUTO DECREASE ;Jun 06, 2014@19:11:19  ;;4.5;Accounts Receivable;\*\*298,304\*\*;Mar 20, 1995;Build 104  ;Per VA Directive 6402, this routine should not be modified.  ;Read ^IBM(361.1) via Private IA 4051  ;  EN ;Auto Decrease - applies to auto-posted claims only  N PAYID,PAYNAM,RCAMT,RCDATE,RCDAY,RCDREC,RCERA,RCLINE,RCSTART,RCITEM  N RC344610,RCMDAP,RCMDAD,RCRTYPE,RCJ,RCK,RCIARR,J  ;  ;Quit if medical auto posting is OFF or medical auto decrease is OFF  Q:'$P($G(^RCY(344.61,1,0)),U,2) Q:'$P($G(^RCY(344.61,1,0)),U,3)  ;Get the RCDPE PARAMETER file #344.61 field.04 AUTO DECREASE MED DAYS DEFAULT value and  ;calculate process date by subtracting this value from today's date  S RCDAY=$$FMADD^XLFDT(DT\1,-$P($G(^RCY(344.61,1,0)),U,4))  ;  ;PRCA\*4.5\*304 - removed generic auto-decrease amount. Now auto-decrease is by CARC  ;Allow for a range of dates in future - currently only checks for RCDAY  S RCDATE=$$FMADD^XLFDT(RCDAY,-1)  ;Scan F index for ERA within date range  F S RCDATE=$O(^RCY(344.4,"F",RCDATE)) Q:'RCDATE Q:(RCDATE\1)>RCDAY D  . ; Scan "F" index of ERA file for ERA entries with AUTOPOST DATE field #4.03 matching RCDAY  . S RCERA=0  . F S RCERA=$O(^RCY(344.4,"F",RCDATE,RCERA)) Q:'RCERA D  .. N RC3446,RCPARM  .. ; Quit if ERA is for Pharmacy  .. S RCRTYPE=$$PHARM^RCDPEAP1(RCERA)  .. Q:RCRTYPE  .. ; Check payer exclusion file for this ERA's payer  .. S PAYID=$P($G(^RCY(344.4,RCERA,0)),U,3),PAYNAM=$P($G(^RCY(344.4,RCERA,0)),U,6)  .. I PAYID'="",PAYNAM'="" S RCPARM=$O(^RCY(344.6,"CPID",PAYNAM,PAYID,"")) S:RCPARM'="" RC3446=$G(^RCY(344.6,RCPARM,0))  .. ; Ignore ERA if EXCLUDE MED CLAIMS POSTING (#.06) or EXCLUDE MED CLAIMS DECREASE (#.07) fields set to 'yes'  .. I $G(RC3446)]"" Q:$P(RC3446,U,6)=1 Q:$P(RC3446,U,7)=1  .. ; Build index to scratchpad for this ERA  .. N RCARRAY D BUILD^RCDPEAP(RCERA,.RCARRAY)  .. ; Scan ERA DETAIL entries in #344.41 for auto-posted medical claims  .. S RCLINE=0  .. F S RCLINE=$O(^RCY(344.4,"F",RCDATE,RCERA,RCLINE)) Q:'RCLINE D  ... ;Ignore claim line if already auto decreased  ... Q:$P($G(^RCY(344.4,RCERA,1,RCLINE,5)),U,3)  ... ; Get record detail  ... S RCDREC=$G(^RCY(344.4,RCERA,1,RCLINE,0))  ... ; Get claim number RCBILL for the ERA line using EOB #361.1 pointer  ... N COMMENT,EOBIEN,RCBAL,RCBILL,RCTRANDA  ... ; Get pointer to EOB file #361.1 from ERA DETAIL  ... S EOBIEN=$P($G(^RCY(344.4,RCERA,1,RCLINE,0)),U,2),RCBILL=0  ... ; Get ^DGCR(399 pointer (DINUM for #430 file)  ... S:EOBIEN RCBILL=$P($G(^IBM(361.1,EOBIEN,0)),U) Q:'RCBILL  ... ;If claim has been split/edit and claim changed in APAR do not auto decrease  ... Q:$$SPLIT(RCERA,RCLINE,RCBILL,.RCARRAY)  ... ;Do not auto decrease if claim is referred to General Council  ... Q:$P($G(^PRCA(430,RCBILL,6)),U,4)]""  ... ; Claim must be OPEN or ACTIVE  ... N STATUS S STATUS=$P($G(^PRCA(430,RCBILL,0)),"^",8) I STATUS'=42,STATUS'=16 Q  ... ;  ... ; PRCA\*4.5\*304 - A CARC must be included and have an auto-decrease limit before auto-decreasing can occur.  ... S RCAMT=$$CARCLMT(EOBIEN)  ... Q:$L(RCAMT)=0 ;No CARCs on EOB were eligible for auto-decrease  ... ; Order CARCs for Auto-Decrease in largest to smallest amount order  ... K RCIARR F J=1:1 S RCITEM=$P(RCAMT,U,J) Q:RCITEM="" S RCIARR(-($P(RCITEM,";",1)),J)=RCITEM  ... Q:$D(RCIARR)<10 ; Quit if CARC adjustment array doesn't have any elements to process  ... ; Walk the RCIARR and apply CARC based adjustments to the bill.  ... S RCJ="" F S RCJ=$O(RCIARR(RCJ)) Q:RCJ="" S RCK="" F S RCK=$O(RCIARR(RCJ,RCK)) Q:RCK="" D  .... ; Get current balance on Bill  .... S RCBAL=$P($G(^PRCA(430,RCBILL,7)),U)  .... ; Check pending payment amount and bill balance  .... N PENDING S PENDING=$$PENDPAY^RCDPURET(RCBILL) K ^TMP($J,"RCDPUREC","PP") Q:(RCBAL-PENDING)<(+$P(RCIARR(RCJ,RCK),";",1  ))  .... ; Add comment  .... S COMMENT(1)="MEDICAL AUTO-DECREASE FOR CARC: "\_$P(RCIARR(RCJ,RCK),";",2)\_" AMOUNT: "\_+$P(RCIARR(RCJ,RCK),";",1)\_" (MA  X DEC: "\_+$P($$ACTCARC($P(RCIARR(RCJ,RCK),";",2)),U,2)\_")"  .... ; If this CARC is expired then add that information to the comment  .... I $P(RCIARR(RCJ,RCK),";",3)'="" S COMMENT(1)=COMMENT(1)\_" CARC expired on "\_$$FMTE^XLFDT($P(RCIARR(RCJ,RCK),";",3),"6D  ")  .... ; Apply contract adjustment for CARC adjustment amount from claim information  .... S RCTRANDA=$$INCDEC^RCBEUTR1(RCBILL,-$P(RCIARR(RCJ,RCK),";",1),.COMMENT,"","",1) Q:'RCTRANDA  .... ; Update auto-decrease indicator, auto decrease amount and auto decrease date  .... N DA,DIE,DR S DA(1)=RCERA,DA=RCLINE,DIE="^RCY(344.4,"\_DA(1)\_",1,",DR="7///1;8///"\_+$P(RCIARR(RCJ,RCK),";",1)\_";10///"\_  DT D ^DIE  ... ; PRCA\*4.5\*304 - End of updates  .. ; Update last auto decrease date on ERA  .. N DA,DIE,DR S DA=RCERA,DIE="^RCY(344.4,",DR="4.03///"\_DT D ^DIE  Q  ;  SPLIT(RCSCR,RCLINE,RCBILL,RCARRAY) ;Check for SPLIT/EDIT in scratchpad  ;Input RCSCR - IEN of #344.49  ; RCLINE - ERA detail line sequence number  ; RCBILL - IEN of #430  ; ARRAY - reference to passed array (from BUILD^RCDPEAP)  ;Output return value 1/0 = Split/Not Split  N SUB,SUB1  ;Find ERA line in scratchpad  S SUB=$G(RCARRAY(RCLINE)) Q:'SUB 0  ;Get n.001 line  S SUB1=$O(^RCY(344.49,RCSCR,1,SUB)) Q:'SUB1 0  ;Check sequence number is the same  Q:$P($G(^RCY(344.49,RCSCR,1,SUB1,0)),".")'=$P($G(^RCY(344.49,RCSCR,1,SUB,0)),U) 0  ;Check that claim number is unchanged from original ERA  Q:$P($G(^RCY(344.49,RCSCR,1,SUB1,0)),U,7)=RCBILL 0  ;Otherwise claim was edited (and should not be decreased)  Q 1  ;  ;PRCA\*4.5\*304 - Check to see if CARC/RARC are included and are eligible  ; for auto-decrease. Return 0 if not, Max Amount ^ CARC if it is.  CARCLMT(RCEOB) ;  N RCCODES,RCAMT,RCCAMT,RCTAMT,I,RCITEM,RCDATA,RCCODE  S RCAMT="",RCCODES=""  ;  ; Extract the CARC codes from the EOB. Returned are ^CARC;[adj amount]^CARC;[adj amount]^...  D GETCARCS(RCEOB,.RCCODES)  ; Remove leading ,  ; Loop through all of the CARC codes found. If none, it will exit.  F I=2:1:$L(RCCODES,"^") S RCITEM=$P(RCCODES,"^",I) D:RCITEM'=""  . S RCCODE=$P(RCITEM,";",1),RCCAMT=$P(RCITEM,";",2)  . ; If Adjustment amount is a negative amount don't include, Quit  . Q:+RCCAMT<0  . ; Look up code in CARC table and get max adjustment  . S RCDATA=$$ACTCARC(RCCODE)  . ; If auto decrease is not active on this code, Quit  . Q:+RCDATA=0  . ; Get code inactive date if it exists  . N XIEN,XDT S XIEN=$$FIND1^DIC(345,,"O",RCCODE) S:$G(XIEN)'="" XDT=$$GET1^DIQ(345,XIEN\_",",2,"I") I $G(XDT)'="" S:XDT'<DT  XDT=""  . ; Get limit  . S RCTAMT=$P(RCDATA,U,2)  . ;  . ; 11/11/2015: Need to compare the max adjustment in parameters to the adjustment on EEOB if under okay if over skip.  . ;  . ; If the CARC payer adjustment <= CARC max adjustment amount, Then add to list for possible adjustments.  . S:RCCAMT<(RCTAMT+.01) RCAMT=$S($L(RCAMT)=0:RCCAMT\_";"\_RCCODE\_";"\_XDT,1:RCAMT\_U\_RCCAMT\_";"\_RCCODE\_";"\_XDT)  ; Exit routine  Q RCAMT  ;  ;PRCA\*4.5\*304 - Extract the CARCs from an EOB at claim and line levels  GETCARCS(RCEOB,RCCODES) ;  ;  N RCI,RCJ,RCL,RCDATA,RCCODE,RCAMT  ;  S RCI=0,RCCODES=""  ;  ; 11/11/2015: This function need to grab the list of CARCs and amounts at the claim and line level  ;  ; get to the Codes at the claim level  F S RCI=$O(^IBM(361.1,RCEOB,10,RCI)) Q:'RCI D  . S RCJ=0  . F S RCJ=$O(^IBM(361.1,RCEOB,10,RCI,1,RCJ)) Q:'RCJ D  .. ;  .. ;get the adjustment data  .. S RCDATA=$G(^IBM(361.1,RCEOB,10,RCI,1,RCJ,0))  .. Q:RCDATA=""  .. ;  .. ;get the Adjustment code  .. S RCCODE=$P(RCDATA,U),RCAMT=$P(RCDATA,U,2)  .. Q:RCCODE=""  .. ;  .. ;Add to list of already extracted codes  .. S RCCODES=RCCODES\_"^"\_RCCODE\_";"\_RCAMT  ; get line level CARCs  S RCL=0 F S RCL=$O(^IBM(361.1,RCEOB,15,RCL)) Q:+RCL=0 S RCI=0 F S RCI=$O(^IBM(361.1,RCEOB,15,RCL,1,RCI)) Q:+RCI=0 D  . S RCJ=0 F S RCJ=$O(^IBM(361.1,RCEOB,15,RCL,1,RCI,1,RCJ)) Q:+RCJ=0 D  .. ;  .. ;get the adjustment data  .. S RCDATA=$G(^IBM(361.1,RCEOB,15,RCL,1,RCI,1,RCJ,0))  .. Q:RCDATA=""  .. ;  .. ;get the Adjustment code  .. S RCCODE=$P(RCDATA,U),RCAMT=$P(RCDATA,U,2)  .. Q:RCCODE=""  .. ;  .. ;Add to list of already extracted codes  .. S RCCODES=RCCODES\_"^"\_RCCODE\_";"\_RCAMT  Q  ;  ; PRCA\*4.5\*304 - Added function  ACTCARC(CODE) ; Is this CARC an active code for auto-decrease  ; Return '0^NOT ACTIVE' if not active  ; Return '1^{amount}' if active and the second peice is the decrease amount  N AIEN G:$G(CODE)="" AQ  S AIEN=$O(^RCY(344.62,"B",CODE,"")) G:AIEN="" AQ  I $P(^RCY(344.62,AIEN,0),U,2)=1 Q "1^"\_$P(^(0),U,6)  AQ Q "0^NOT ACTIVE"  ; |
|  |

| **Modified Logic** |
| --- |
| RCDPEAD ;ALB/PJH - AUTO DECREASE ;Jun 06, 2014@19:11:19  ;;4.5;Accounts Receivable;\*\*298,304,318\*\*;Mar 20, 1995;Build 104  ;Per VA Directive 6402, this routine should not be modified.  ;Read ^IBM(361.1) via Private IA 4051  ;  EN ;Auto Decrease - applies to auto-posted claims only  **N RCAMT,RCDATE,RCDAY,RCSTART,RCITEM**  **N RC344610,RCMDAP,RCMDAD,RCJ,RCK,RCIARR,J**  ;  ; Quit if medical auto posting is OFF or medical auto decrease is OFF  Q:'$P($G(^RCY(344.61,1,0)),U,2) Q:'$P($G(^RCY(344.61,1,0)),U,3)  ;  ; Get the RCDPE PARAMETER file #344.61 field.04 AUTO DECREASE MED DAYS DEFAULT value and  ; calculate process date by subtracting this value from today's date  S RCDAY=$$FMADD^XLFDT(DT\1,-$P($G(^RCY(344.61,1,0)),U,4))  ;  ; PRCA\*4.5\*304 - removed generic auto-decrease amount. Now auto-decrease is by CARC  ; Allow for a range of dates in future - currently only checks for RCDAY  ;  ; Scan F index for ERA within date range  S RCDATE=$$FMADD^XLFDT(RCDAY,-1)  F S RCDATE=$O(^RCY(344.4,"F",RCDATE)) Q:'RCDATE Q:(RCDATE\1)>RCDAY D  . ;  **. ; Scan "F" index of ERA file for ERA entries with AUTOPOST DATE field #4.03 matching RCDAY**  **. D EN2(RCDATE,RCDAY)**  Q  ;  **EN2(RCDATE,RCDAY) ; Scans the 'F' index of the ERA file for ERA entries with an**  **; AUTOPOST DATE field (#4.03) matching RCDAY**  **; Input: RCDATE - Current date being search**  **; RCDAY - AUTO DECREATES MED DAYS DEFAULT (File 344.61, field .04)**  **N PAYID,PAYNAM,RCERA,RCRTYPE**  **S RCERA=0**  **F S RCERA=$O(^RCY(344.4,"F",RCDATE,RCERA)) Q:'RCERA D**  **. N RC3446,RCPARM**  **. ;**  **. ; Quit if ERA is for Pharmacy**  **. S RCRTYPE=$$PHARM^RCDPEAP1(RCERA)**  **. Q:RCRTYPE**  **. ;**  **. ; Check payer exclusion file for this ERA's payer**  **. S PAYID=$P($G(^RCY(344.4,RCERA,0)),U,3)**  **. S PAYNAM=$P($G(^RCY(344.4,RCERA,0)),U,6)**  **. I PAYID'="",PAYNAM'="" D**  **. . S RCPARM=$O(^RCY(344.6,"CPID",PAYNAM,PAYID,""))**  **. . S:RCPARM'="" RC3446=$G(^RCY(344.6,RCPARM,0))**  **. ;**  **. ; Ignore ERA if EXCLUDE MED CLAIMS POSTING (#.06) or**  **. ; EXCLUDE MED CLAIMS DECREASE (#.07) fields set to 'yes'**  **. I $G(RC3446)'="" Q:$P(RC3446,U,6)=1 Q:$P(RC3446,U,7)=1**  **. ;**  **. ; Build index to scratchpad for this ERA**  **. N RCARRAY**  **. D BUILD^RCDPEAP(RCERA,.RCARRAY)**  **. ;**  **. ; Scan ERA DETAIL entries in #344.41 for auto-posted medical claims**  **. D EN3(RCDATE,RCERA)**  Q  ;  **EN3(RCDATE,RCERA) ; Scan ERA DETAIL entries in #344.41 for auto-posted medical claims**  **; Input: RCDATE - Current date being search**  **; RCERA - ERA number**  **N RCADJ,RCDREC,RCLINE**  **S RCLINE=0**  **F S RCLINE=$O(^RCY(344.4,"F",RCDATE,RCERA,RCLINE)) Q:'RCLINE D**  **. ;**  **. ; Ignore claim line if already auto decreased**  **. Q:$P($G(^RCY(344.4,RCERA,1,RCLINE,5)),U,3)**  **. ;**  **. ; Get record detail**  **. S RCDREC=$G(^RCY(344.4,RCERA,1,RCLINE,0))**  **. ;**  **. ; Get claim number RCBILL for the ERA line using EOB #361.1 pointer**  **. N COMMENT,EOBIEN,RCBAL,RCBILL,RCTRANDA**  **. ;**  **. ; Get pointer to EOB file #361.1 from ERA DETAIL**  **. S EOBIEN=$P($G(^RCY(344.4,RCERA,1,RCLINE,0)),U,2),RCBILL=0**  **. ;**  **. ; Get ^DGCR(399 pointer (DINUM for #430 file)**  **. S:EOBIEN RCBILL=$P($G(^IBM(361.1,EOBIEN,0)),U) Q:'RCBILL**  **. ;**  **. ; If claim has been split/edit and claim changed in APAR do not auto decrease**  **. Q:$$SPLIT(RCERA,RCLINE,RCBILL,.RCARRAY)**  **. ;**  **. ; Do not auto decrease if claim is referred to General Council**  **. Q:$P($G(^PRCA(430,RCBILL,6)),U,4)]""**  **. ;**  **. ; Claim must be OPEN or ACTIVE**  **. N STATUS**  **. S STATUS=$P($G(^PRCA(430,RCBILL,0)),"^",8)**  **. I STATUS'=42,STATUS'=16 Q**  **. ;**  **. ; PRCA\*4.5\*304 - A CARC must be included and have an auto-decrease limit before auto-decreasing can occur.**  **. S RCAMT=$$CARCLMT(EOBIEN)**  **. Q:$L(RCAMT)=0 ; No CARCs on EOB were eligible for auto-decrease**  **. ;**  **. ; Order CARCs for Auto-Decrease in largest to smallest amount order**  **. K RCIARR**  **. F J=1:1 S RCITEM=$P(RCAMT,U,J) Q:RCITEM="" S RCIARR(-($P(RCITEM,";",1)),J)=RCITEM**  **. Q:$D(RCIARR)<10 ; Quit if CARC adjustment array doesn't have any elements to process**  **. ;**  **. ; Walk the RCIARR and apply CARC based adjustments to the bill.**  **. S RCJ="",RCADJ=0**  **. F S RCJ=$O(RCIARR(RCJ)) Q:RCJ="" S RCK="" F S RCK=$O(RCIARR(RCJ,RCK)) Q:RCK="" D**  **. . ; Get current balance on Bill**  **. . S RCBAL=$P($G(^PRCA(430,RCBILL,7)),U)**  **. . ;**  **. . ; Check pending payment amount and bill balance**  **. . N PENDING**  **. . S PENDING=$$PENDPAY^RCDPURET(RCBILL)**  **. . K ^TMP($J,"RCDPUREC","PP")**  **. . Q:(RCBAL-PENDING)<(+$P(RCIARR(RCJ,RCK),";",1))**  **. . ;**  **. . ; Add comment**  **. . S COMMENT(1)="MEDICAL AUTO-DECREASE FOR CARC: "\_$P(RCIARR(RCJ,RCK),";",2)\_" AMOUNT: "\_+$P(RCIARR(RCJ,RCK),";",1)\_" (MAX**  **DEC: "\_+$P($$ACTCARC($P(RCIARR(RCJ,RCK),";",2)),U,2)\_")"**  **. . ; If this CARC is expired then add that information to the comment**  **. . I $P(RCIARR(RCJ,RCK),";",3)'="" S COMMENT(1)=COMMENT(1)\_" CARC expired on "\_$$FMTE^XLFDT($P(RCIARR(RCJ,RCK),";",3),"6D"**  **)**  **. . ; Apply contract adjustment for CARC adjustment amount from claim information**  **. . S RCTRANDA=$$INCDEC^RCBEUTR1(RCBILL,-$P(RCIARR(RCJ,RCK),";",1),.COMMENT,"","",1) Q:'RCTRANDA**  **. . ; Update total adjustments for line**  **. . S RCADJ=RCADJ+$P(RCIARR(RCJ,RCK),";",1)**  **. ; Update auto-decrease indicator, auto decrease amount and auto decrease date**  **. N DA,DIE,DR S DA(1)=RCERA,DA=RCLINE,DIE="^RCY(344.4,"\_DA(1)\_",1,",DR="7///1;8///"\_RCADJ\_";10///"\_DT D ^DIE**  **. ; PRCA\*4.5\*304 - End of updates**  **. ; Update last auto decrease date on ERA**  **. N DA,DIE,DR S DA=RCERA,DIE="^RCY(344.4,",DR="4.03///"\_DT D ^DIE**  Q  ;  SPLIT(RCSCR,RCLINE,RCBILL,RCARRAY) ;Check for SPLIT/EDIT in scratchpad  ;Input RCSCR - IEN of #344.49  ; RCLINE - ERA detail line sequence number  ; RCBILL - IEN of #430  ; ARRAY - reference to passed array (from BUILD^RCDPEAP)  ;Output return value 1/0 = Split/Not Split  N SUB,SUB1  ;Find ERA line in scratchpad  S SUB=$G(RCARRAY(RCLINE)) Q:'SUB 0  ;Get n.001 line  S SUB1=$O(^RCY(344.49,RCSCR,1,SUB)) Q:'SUB1 0  ;Check sequence number is the same  Q:$P($G(^RCY(344.49,RCSCR,1,SUB1,0)),".")'=$P($G(^RCY(344.49,RCSCR,1,SUB,0)),U) 0  ;Check that claim number is unchanged from original ERA  Q:$P($G(^RCY(344.49,RCSCR,1,SUB1,0)),U,7)=RCBILL 0  ;Otherwise claim was edited (and should not be decreased)  Q 1  ;  CARCLMT(RCEOB,**FROMADP,ADATE) ;EP from COMPILE^RCDPEADP**  **; PRCA\*4.5\*304 - Check to see if CARC are included and are eligible**  **; for auto-decrease. Return 0 if not, Max Amount ^ CARC if it is.**  **; Input: RCEOB - Internal IEN for the explanation of benefits field (361.1)**  **; FROMADP - 1 if being called from COMPILE^RCDPEADP, 0 otherwise**  **; Optional, default to 0**  **; ADATE - Internal Auto-Post Date (only passed if FROMADP=1)**  **; Returns: A1;A2;A3;A4^B1;B2;B3;B4^...^N1;N2;N3;N4 Where:**  **; A1 - Auto-Decrease amount of the 1st CARC code in the EOB**  **; A2 - 1st CARC code in the EOB**  **; A3 - Deactivation Date of the 1st CARC code in the EOB if**  **; it has one and is less than today AND FROMADP=0**  **; Otherwise Quantity of the first CARC code in the EOB if**  **; FROMADP=1**  **; A4 - Reason of the 1st CARC code in the EOB**  **; only passed if FROMADP=1**  **N I,RCAMT,RCCAMT,RCCODE,RCCODES,RCDATA,RCITEM,RCTAMT,XDT,XIEN**  **S:'$D(FROMADP) FROMADP=0**  **S RCAMT="",RCCODES=""**  **;**  **; Extract the CARC codes from the EOB.**  **; Returned are ^A1;A2;A3;A4^A1;A2;A3;A4^... Where**  **; A1 - CARC code**  **; A2 - Auto Decrease Amount**  **; A3 - Quantity (only returned if FROMADP=1)**  **; A4 - REASON (only returned if FROMADP=1)**  **D GETCARCS(RCEOB,.RCCODES,FROMADP)**  **;**  ; Loop through all of the CARC codes found. If none, it will exit.  F I=2:1:$L(RCCODES,"^") D  . S RCITEM=$P(RCCODES,"^",I)  . Q:RCITEM=""  . S RCCODE=$P(RCITEM,";",1),RCCAMT=$P(RCITEM,";",2)  . ;  . ; Quit If the Adjustment amount is a negative amount  . Q:+RCCAMT<0  . ;  . ; Look up code in CARC table and get max adjustment  . S RCDATA=$$ACTCARC(RCCODE)  . ;  . ; Quit If auto decrease is not active on this code  . Q:+RCDATA=0  . ;  . ; Get code inactive date if it exists  . S XIEN=$$FIND1^DIC(345,,"O",RCCODE)  . S:$G(XIEN)'="" XDT=$$GET1^DIQ(345,XIEN\_",",2,"I")  . I $G(XDT)'="" S:XDT'<DT XDT=""  . S RCTAMT=$P(RCDATA,U,2) ; Get limit  . ;  . ; 11/11/2015: Compare the max adjustment in parameters to the adjustment on EEOB  . ; Quit if over  . ;  . ; If the CARC payer adjustment <= CARC max adjustment amount, Then add to list  . ; for possible adjustments.  . I RCCAMT<(RCTAMT+.01) D  . . ;  . . ; If we're being called from the auto-decrease report, return all CARC information  **. . I FROMADP D Q**  **. . . S XX=RCCAMT\_";"\_RCCODE\_";"\_$P(RCITEM,";",3,4)**  **. . . S RCAMT=$S(RCAMT'[";":XX,1:RCAMT\_"^"\_XX)**  . . S RCAMT=$S($L(RCAMT)=0:RCCAMT\_";"\_RCCODE\_";"\_XDT,1:RCAMT\_U\_RCCAMT\_";"\_RCCODE\_";"\_XDT)  Q RCAMT  ;  GETCARCS(RCEOB,RCCODES,**FROMADP) ; Extract the CARCs from an EOB at claim and line levels**  **; Input: RCEOB - Internal IEN for the explanation of benefits field (361.1)**  **; FROMADP - 1 if being called from COMPILE^RCDPEADP, 0 otherwise**  **; Optional, default to 0**  **; Output: RCCODES - ^ delimitted string of CARC code information from the**  **; claim and claim ine levels for the specified EOB**  **; ^A1;A2;A3;A4^A1;A2;A3;A4^... Where**  **; A1 - CARC code**  **; A2 - Auto Decrease Amount**  **; A3 - Quantity (only returned if FROMADP=1)**  **; A4 - REASON (only returned if FROMADP=1)**  N IENS,RCAMT,QUANT,REASON,RCCODE,RCI,RCJ,RCL  S:'$D(FROMADP) FROMADP=0  S RCI=0,RCCODES=""  ;  ; Get to the Codes at the claim level  F D Q:'RCI  . S RCI=$O(^IBM(361.1,RCEOB,10,RCI))  . Q:'RCI  . S RCJ=0  . F D Q:'RCJ  . . S RCJ=$O(^IBM(361.1,RCEOB,10,RCI,1,RCJ))  . . Q:'RCJ  **. . S IENS=RCJ\_","\_RCI\_","\_RCEOB\_","**  **. . S RCCODE=$$GET1^DIQ(361.111,IENS,.01,"I") ; CARC Code**  **. . Q:RCCODE=""**  **. . S RCAMT=$$GET1^DIQ(361.111,IENS,.02,"I") ; CARC Amount**  **. . I 'FROMADP S RCCODES=RCCODES\_"^"\_RCCODE\_";"\_RCAMT Q**  **. . S QUANT=$$GET1^DIQ(361.111,IENS,.03,"I") ; CARC Quantity**  **. . S REASON=$$GET1^DIQ(361.111,IENS,.04,"I") ; CARC Reason**  **. . S:$L(REASON)>27 REASON=$E(REASON,1,27)\_"..."**  **. . S RCCODES=RCCODES\_"^"\_RCCODE\_";"\_RCAMT\_";"\_QUANT\_";"\_REASON**  ;  ; Get Claim Line level CARCs  S RCL=0  F D Q:+RCL=0  . S RCL=$O(^IBM(361.1,RCEOB,15,RCL))  . Q:+RCL=0  . S RCI=0  . F D Q:+RCI=0  . . S RCI=$O(^IBM(361.1,RCEOB,15,RCL,1,RCI))  . . Q:+RCI=0  . . S RCJ=0  . . F D Q:+RCJ=0  **. . . S RCJ=$O(^IBM(361.1,RCEOB,15,RCL,1,RCI,1,RCJ))**  **. . . Q:+RCJ=0**  **. . . S IENS=RCJ\_","\_RCI\_","\_RCL\_","\_RCEOB\_","**  **. . . S RCCODE=$$GET1^DIQ(361.115,IENS,.01,"I") ; CARC Code**  **. . . Q:RCCODE=""**  **. . . S RCAMT=$$GET1^DIQ(361.115,IENS,.02,"I") ; CARC Amount**  **. . . I 'FROMADP S RCCODES="^"\_RCCODE\_";"\_RCAMT Q**  **. . . S QUANT=$$GET1^DIQ(361.115,IENS,.03,"I") ; CARC Quantity**  **. . . S REASON=$$GET1^DIQ(361.115,IENS,.04,"I") ; CARC Reason**  **. . . S:$L(REASON)>27 REASON=$E(REASON,1,27)\_"..."**  **. . . S RCCODES=RCCODES\_"^"\_RCCODE\_";"\_RCAMT\_";"\_QUANT\_";"\_REASON**  Q  ;  ; PRCA\*4.5\*304 - Added function  ACTCARC(CODE) ; Is this CARC an active code for auto-decrease  ; Input: CODE - CARC code being checked  ; Returns: '0^NOT ACTIVE' if not active  ; '1^{amount}' if active and the second peice is the decrease amount  N AIEN,XX  I $G(CODE)="" Q "0^NOT ACTIVE"  S AIEN=$O(^RCY(344.62,"B",CODE,""))  I AIEN="" Q "0^NOT ACTIVE"  **S XX=$$GET1^DIQ(344.62,AIEN,.02,"I") ; Quit if auto-decrease is off**  **I XX=1 Q "1^"\_$$GET1^DIQ(344.62,AIEN,.06) ; Active code returns maximum allowed** decrease amount  Q "0^NOT ACTIVE"  ; |