**MCCF EDI TAS US4039**

System Design Document



Department of Veterans Affairs

**May 2018**

Version 1.01

**User Story Number:** USRX-

**User Story Name:** Claim Report Filters Allow Delete

**Product Backlog ID:**

**Backlog Priority:**

**Initial Sizing Estimate: 5**

**Rational ID:**

**Rally ID:** US4039

**Epic Taxonomy:** Update

# Design – Summary

The Claim Reports filter questions need to allow the user to delete a previously selected entry. The table below lists the prompts that need to be changed and which reports are impacted.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **PROMPT** | **NYR** | **PAY** | **REV** | **CLO** | **NBS** | **REJ** |
| Drug/Drug Class | x | x | x | x | x | x |
| Reject Code(s) |  |  |  |  |  | x |
| Prescribers |  |  |  |  |  | x |
| Patient(s) | x | x | x | x | x | x |
| Close Claim Reason |  |  |  | x |  |  |

List of Components:

* Routine: BPSRPT0
* Routine: BPSRPT1
* Routine: BPSRPT3A
* Routine: BPSRPT4

# Design – Detail

The Reject Code, Close Claim Reason and Prescriber filter questions will be modified to have the same functionality as the Drug/Drug Class and Patient prompts. This will make future updates to the functionality of the filter questions more streamlined. The table below describes the modifications that will be made to EN^BPSRPT0.

| Subroutine Name | **EN^BPSRPT0** | | | |
| --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify |  |  |
| Current Logic | | | | |
| ; Passed variables:  ; The following local variables are set in BPSPRT0 and are passed throughout  ; the BPSRPT\* routines. They are used during the looping/filtering of transactions  ; and when creating the reports.  ; These local variable are not passed as parameters but assumed to be defined.  ;  ; BPRTYPE - report number (1-9)  ; 1 = Payable Claims, 2 = Rejected Claims, 3 = Claims Submitted, Not Yet Released,  ; 4 = Reversed Claims, 5 = Recent Transactions, 6 = Totals By Date,  ; 7 = Closed Claims, 8 = Spending Account Report, 9 = ECME RXs with Non-Billable Status  .  .  .    ; BPBEGDT - Date Range  ; BPBEGDT=^-Exit  ; BPBEGDT= beginning date ^ ending date  ; BPBEGDT=$P(BPBEGDT,U) - beginning date  ; BPENDDT=$P(BPBEGDT,U,2) - ending date  ; BPRLNRL - 2-Released, 3-Not Released or 1-All  ; BPRLNRL=(1,2,3,^) ^=exit  ; BPREJCD - Specific Reject Code or All  ; BPREJCD=0-ALL, ^-Exit  ; BPREJCD=ptr - if multiple entries - BPREJCD=ptr,ptr,.  ; ptr=Pointer to Reject Code in #9002313.93  ; BPAUTREV - AutoReversed-1 or All-0  ; BPAUTREV=(0,1,^)  ; BPACREJ - Accepted-2, Rejected-1 or All-0  ; BPACREJ=(0,1,2,^)  ; BPCCRSN - Specific Close Claim Reason-ptr or All-0  ; BPCCRSN=(0,ptr) - ptr=Pointer to #356.8  ; BPELIG - Eligibility V-Veteran, T-Tricare, C-Champva or 0-All  ; BPELIG=(V,T,C,0,^)  ; BPELIG1 - multiple Eligibilities or All-0  ; BPELIG1=(0,^)  ; BPELIG1=(V,T,C) V-Veteran, T-Tricare, C-Champva  ; if multiple entries BPELIG1=(a comma delimited string of users selection, e.g. "C,T")  ; BPOPCL - Open-2, Closed-1 or All-0  ; BPOPCL=(0,1,2,^)  ; BPRESC - Selected Prescriber-ptr or All-0 - ptr=Pointer to file #200  ; BPRESC=(0,^)  ; BPRESC=ptr - if multiple entries - BPRESC=ptr,ptr,.  ; BPQSTPAT - select Patients-1 or All-0  ; BPQSTPAT=(0,1,^)  ; BPPAT - if Patients=1 was selected above  ; BPPAT=ptr - if multiple entries - BPPAT=ptr,ptr ptr=Pointer to file #2  ; BPBILL - Range of Billed Amount-1 or All-0  ; BPBILL=(0,1,^)  ; BPMIN - if BPBILL=1 enter minimum billed amount  ; BPMIN=amount entered, default is 0  ; BPMAX - if BPBILL=1 enter maximum billed amount  ; BPMAX=amount entered, default is 999999  ; BPALRC - All-A or Most Recent-R (Non-Billable Status report only, BPRTYPE=9)  ; BPALRC=(A,R,^)  ; BPNBSTS - Non-Billable Status (Non-Billable Status report only, BPRTYPE=9)  ; BPNBSTS=(0-All,1-certain Non-billable status,^)  ; if BPNBSTS=1 there is a BPNBSTS array for each status selected  ; BPNBSTS(ptr)=status - for each status selected  ; ptr=Pointer to file #366.17 - status=non-billable reason from file #366.17 field #.01  ; BPEXCEL - Excel capture-detail only, if BPSUMDET=0 (detail format)  ; BPEXCEL=(0-No, 1-Yes, ^)  ; BPQ - device variable - I POP S BPQ=1 otherwise BPQ=0  ;  ; The following local variables are not set in BPSRPT0 however they are used in several  ; BPSRPT\* routines. They are not passed as parameters but assumed to be defined.  ; BPBLINE - blank line indicator, 1-print blank line  ; BPGRPLAN - insurance plan name  ; BPSDATA - tells whether data has been displayed to the screen (0-No,1-Yes)  ;  EN(BPRTYPE) N %,BPACREJ,BPAUTREV,BPBEGDT,BPCCRSN,BPDRGCL,BPDRUG,BPENDDT,BPEXCEL,BPNOW,BPPHARM,BPINSINF,BPMWC,BPQ,BPQSTDRG  N BPREJCD,BPRLNRL,BPRPTNAM,BPRTBCK,BPSCR,BPSUMDET,CODE,POS,STAT,X,Y,BPINS,BPARR,BPELIG,BPOPCL  N BPNBSTS,BPALRC,BPELIG1,BPRESC,BPPAT,BPQSTPAT,BPBILL,BPMIN,BPMAX,BPSLC,BPSUC,BPSCOMMENT  ;  ;Verify that a valid report has been requested  I ",1,2,3,4,5,6,7,8,9,"'[(","\_$G(BPRTYPE)\_",") W "<Invalid Menu Definition - Report Undefined>" H 3 Q  S BPRPTNAM=$P("PAYABLE CLAIMS^REJECTED CLAIMS^SUBMIT,NOT RELEASED CLAIMS^REVERSED CLAIMS^RECENT TRANSACTIONS^TOTALS^CLOSED CLAIMS^SPENDING ACCOUNT REPORT^RXS WITH NON-BILLABLE STATUS","^",BPRTYPE)  ;  ;Needed to convert lower case entries to upper case  S BPSLC="abcdefghijklmnopqrstuvwxyz"  S BPSUC="ABCDEFGHIJKLMNOPQRSTUVWXYZ"  ;  ;Get current Date/Time  D NOW^%DTC S Y=% D DD^%DT S BPNOW=Y  ;  DIV ;  ;Prompt for ECME Pharmacy Division(s) (No Default)  ;Sets up BPPHARM variable and array, BPPHARM =0 ALL or BPPHARM=1,BPPHARM(ptr) for list  S X=$$SELPHARM^BPSRPT3() G:(X="^")&($G(BPPHARM)="") EXIT G:(X="^")&(BPPHARM=1) DIV  .  .  .  ;Report Specific Prompts  ;  ;Prompt to select Date Range  ;Returns (Start Date^End Date)  S BPBEGDT=$$SELDATE^BPSRPT3(BPRTYPE) D I BPBEGDT="^" G EXIT  .I BPBEGDT="^" Q  .S BPENDDT=$P(BPBEGDT,U,2)  .S BPBEGDT=$P(BPBEGDT,U)  ;  ;Prompt to Include (R)ELEASED or (N)OT RELEASED or (A)LL (Default to RELEASED)  ;Returns (1-ALL,2-RELEASED,3-NOT RELEASED)  S BPRLNRL=$S(BPRTYPE=3:3,1:1) I (",1,2,4,6,7,8,9,")[BPRTYPE S BPRLNRL=$$SELRLNRL^BPSRPT4($S(BPRTYPE=9:1,1:2)) I BPRLNRL="^" G EXIT  ;  ;Prompt to Include (S)pecific Reject Code or (A)LL (Default to ALL)  ;Returns: 0=ALL  ; ^=if user entered "^"  ; ptr=string of ptr's delimited with a comma e.g. BPREJCD="95,100,"  ; (ptr is the Pointer to the Selected Reject Code in #9002313.93)  S BPREJCD=0 I (",2,")[BPRTYPE S BPREJCD=$$SELREJCD^BPSRPT4() I BPREJCD="^" G EXIT  ;  ;Prompt to Include Auto(R)eversed or (A)LL (Default to ALL)  ;Returns (0-All,1-AutoReversed)  S BPAUTREV=0 I (",4,")[BPRTYPE S BPAUTREV=$$SELAUREV^BPSRPT4(0) I BPAUTREV="^" G EXIT  ;  ;Prompt to Include A(C)cepted or (R)ejected or (A)LL (Default to REJECTED)  ;Returns (0-All,1-Rejected,2-Accepted)  S BPACREJ=0 I (",4,")[BPRTYPE S BPACREJ=$$SELACREJ^BPSRPT4(1) I BPACREJ="^" G EXIT  ;  CCR ;  ;Prompt to Include (S)pecific Close Claim Reason or (A)ll (Default to All)  ;Returns (0-All,ptr-Pointer to #356.8)  S BPCCRSN=0 I (",7,")[BPRTYPE S BPCCRSN=$$SELCCRSN^BPSRPT4(0) G:BPCCRSN="" CCR I BPCCRSN="^" G EXIT  ;  ;;Prompt for Eligibility Indicator for payable, rejected, reversed and closed claims report  ;;Returns (V=VETERAN,T=TRICARE,C=CHAMPVA,0=All)  ;;S BPELIG=0 I (",1,4,7,")[BPRTYPE S BPELIG=$$SELELIG^BPSRPT3(1) I BPELIG="^" G EXIT  ;  ;Prompt for All or Most Recent (Non-Billable Status Report only)  ;Returns A - All, R - Most Recent  S BPALRC=0 I (",9,")[BPRTYPE S BPALRC=$$SELALRC^BPSRPT3() I BPALRC="^" G EXIT  ;  ;Prompt for one, multiple or (A)ll Eligibility Indicator  ;Returns (0-All, 1-selection)  ; If 1, BPARR("ELIG",xx) is set for each eligibility selected - xx="V", "T" or "C"  S BPELIG1=0 I (",1,2,3,4,7,9,")[BPRTYPE S BPELIG1=$$SELELIG1^BPSRPT3() I BPELIG1="^" G EXIT  ;  ;Prompt for Open/Closed/All claims  ;Returns (1=Closed,2=Open,0=All)  S BPOPCL=0 I (",2,")[BPRTYPE S BPOPCL=$$SELOPCL^BPSRPT3(2) I BPOPCL="^" G EXIT  ;  ;Prompt to select SPECIFIC PRESCRIBER(S) or (A)ll Prescribers  ;Returns: 0=ALL,^=exit  ;if Specific Prescriber was selected  ;Returns: BPRESC=a string of prescriber ien's separated by a comma  S BPRESC=0 I (",2,")[BPRTYPE S BPRESC=$$SELPRESC^BPSRPT3A() I BPRESC="^" G EXIT  ;  PATIENT;  ;Prompt to select (P)atients or (A)LL Patients  ;Returns: (0=ALL,1=Patient,^=exit)  S BPQSTPAT=0 I (",1,2,3,4,7,9,")[BPRTYPE S BPQSTPAT=$$SELPA^BPSRPT3A() I BPQSTPAT="^" G EXIT  ;  ;If (P)atients was selected, prompt for one or more patients  ;Returns: BPPAT=a string of patient ien's separated by a comma  S BPPAT=0  I BPQSTPAT=1 S BPPAT=$$SELPAT^BPSRPT3A() G:BPPAT="^" EXIT G:BPPAT=0 PATIENT  ;  ;Prompt to select(R)ange for Billed Amount or (A)LL  ;Returns: (0=ALL,1=Range,^=exit)  S BPBILL=0 I (",1,2,3,4,9,")[BPRTYPE S BPBILL=$$SELBAMT^BPSRPT3A() I BPBILL="^" G EXIT  ;If Range of Billed Amount was selected prompt for Minimum and Maximum  ;Returns: BPMIN=minimum amount entered, BPMAX=maximum amount entered  S (BPMIN,BPMAX)=0  I BPBILL=1 W !,"Range for the Billed Amount" D I (BPMIN="^")!(BPMAX="^") G EXIT  . S BPMIN=$$SELBMIN^BPSRPT3A() I BPMIN="^" Q  . S BPMAX=$$SELBMAX^BPSRPT3A()  ;  ;Prompt for Non-Billable Status (Non-Billable Status Report only)  ;Sets up BPNBSTS variable and array, BPNBSTS=0 ALL or BPNBSTS=1,BPNBSTS(xx) for list  S BPNBSTS=0 I (",9,")[BPRTYPE S BPNBSTS=$$SELNBSTS^BPSRPT3() I BPNBSTS="^" G EXIT  ;  ;Prompt for Excel Capture (Detail Only)  S BPEXCEL=0 I 'BPSUMDET S BPEXCEL=$$SELEXCEL^BPSRPT4() I BPEXCEL="^" G EXIT  ;  ;Prompt for the Device  I 'BPEXCEL D  .W !!,"WARNING - THIS REPORT REQUIRES THAT A DEVICE WITH 132 COLUMN WIDTH BE USED."  .W !,"IT WILL NOT DISPLAY CORRECTLY USING 80 COLUMN WIDTH DEVICES",!  S BPQ=0 D DEVICE(BPRPTNAM) Q:BPQ  ;  ;Compile and Run the Report  D RUN(BPEXCEL,BPRPTNAM,BPSUMDET)  I 'BPQ D PAUSE2^BPSRPT1  ;  EXIT Q | | | | |
| Modified Logic (Changes are highlighted) | | | | |
| ; Passed variables:  ; The following local variables are set in BPSPRT0 and are passed throughout  ; the BPSRPT\* routines. They are used during the looping/filtering of transactions  ; and when creating the reports.  ; These local variable are not passed as parameters but assumed to be defined.  ;  ; BPRTYPE - report number (1-9)  ; 1 = Payable Claims, 2 = Rejected Claims, 3 = Claims Submitted, Not Yet Released,  ; 4 = Reversed Claims, 5 = Recent Transactions, 6 = Totals By Date,  ; 7 = Closed Claims, 8 = Spending Account Report, 9 = ECME RXs with Non-Billable Status  .  .  .  ; BPBEGDT - Date Range  ; BPBEGDT=^-Exit  ; BPBEGDT= beginning date ^ ending date  ; BPBEGDT=$P(BPBEGDT,U) - beginning date  ; BPENDDT=$P(BPBEGDT,U,2) - ending date  ; BPRLNRL - 2-Released, 3-Not Released or 1-All  ; BPRLNRL=(1,2,3,^) ^=exit  ; BPQSTRC - select Reject Code-1 or All-0  ; BPQSTRC=(0,1,^)  ; BPREJCD - if Reject Code=1 was selected above  ; BPREJCD=ptr - if multiple entries - BPREJCD=ptr,ptr,.  ; ptr=Pointer to Reject Code in #9002313.93  ; BPAUTREV - AutoReversed-1 or All-0  ; BPAUTREV=(0,1,^)  ; BPACREJ - Accepted-2, Rejected-1 or All-0  ; BPACREJ=(0,1,2,^)  ; BPQSTCR - select Close Claim Reason-1 or All-0  ; BPQSTCR=(0,1,^)  ; BPCCRSN - if Specific Close Claim Reason=1 1 was selected above  ; BPCCRSN=ptr - if multiple entries - BPCCRSN=ptr,ptr ptr=Pointer to file #356.8  ; BPELIG - Eligibility V-Veteran, T-Tricare, C-Champva or 0-All  ; BPELIG=(V,T,C,0,^)  ; BPELIG1 - multiple Eligibilities or All-0  ; BPELIG1=(0,^)  ; BPELIG1=(V,T,C) V-Veteran, T-Tricare, C-Champva  ; if multiple entries BPELIG1=(a comma delimited string of users selection, e.g. "C,T")  ; BPOPCL - Open-2, Closed-1 or All-0  ; BPOPCL=(0,1,2,^)  ; BPQSTPR - select Presscriber-1 or All-0  ; BPQSTPR=(0,1,^)  ; BPRESC - if Prescribers=1 was selected above  ; BPRESC=ptr - if multiple entries - BPRESC=ptr,ptr ptr=Pointer to file #200  ; BPQSTPAT - select Patients-1 or All-0  ; BPQSTPAT=(0,1,^)  ; BPPAT - if Patients=1 was selected above  ; BPPAT=ptr - if multiple entries - BPPAT=ptr,ptr ptr=Pointer to file #2  ; BPBILL - Range of Billed Amount-1 or All-0  ; BPBILL=(0,1,^)  ; BPMIN - if BPBILL=1 enter minimum billed amount  ; BPMIN=amount entered, default is 0  ; BPMAX - if BPBILL=1 enter maximum billed amount  ; BPMAX=amount entered, default is 999999  ; BPALRC - All-A or Most Recent-R (Non-Billable Status report only, BPRTYPE=9)  ; BPALRC=(A,R,^)  ; BPNBSTS - Non-Billable Status (Non-Billable Status report only, BPRTYPE=9)  ; BPNBSTS=(0-All,1-certain Non-billable status,^)  ; if BPNBSTS=1 there is a BPNBSTS array for each status selected  ; BPNBSTS(ptr)=status - for each status selected  ; ptr=Pointer to file #366.17 - status=non-billable reason from file #366.17 field #.01  ; BPEXCEL - Excel capture-detail only, if BPSUMDET=0 (detail format)  ; BPEXCEL=(0-No, 1-Yes, ^)  ; BPQ - device variable - I POP S BPQ=1 otherwise BPQ=0  ;  ; The following local variables are not set in BPSRPT0 however they are used in several  ; BPSRPT\* routines. They are not passed as parameters but assumed to be defined.  ; BPBLINE - blank line indicator, 1-print blank line  ; BPGRPLAN - insurance plan name  ; BPSDATA - tells whether data has been displayed to the screen (0-No,1-Yes)  ;  EN(BPRTYPE) N %,BPACREJ,BPAUTREV,BPBEGDT,BPCCRSN,BPDRGCL,BPDRUG,BPENDDT,BPEXCEL,BPNOW,BPPHARM,BPINSINF,BPMWC,BPQ,BPQSTDRG  N BPREJCD,BPRLNRL,BPRPTNAM,BPRTBCK,BPSCR,BPSUMDET,CODE,POS,STAT,X,Y,BPINS,BPARR,BPELIG,BPOPCL  N BPNBSTS,BPALRC,BPELIG1,BPRESC,BPPAT,BPQSTPAT,BPBILL,BPMIN,BPMAX,BPSLC,BPSUC,BPSCOMMENT  N BPQSTCR,BPQSTPR,BPQSTRC  ;  ;Verify that a valid report has been requested  I ",1,2,3,4,5,6,7,8,9,"'[(","\_$G(BPRTYPE)\_",") W "<Invalid Menu Definition - Report Undefined>" H 3 Q  S BPRPTNAM=$P("PAYABLE CLAIMS^REJECTED CLAIMS^SUBMIT,NOT RELEASED CLAIMS^REVERSED CLAIMS^RECENT TRANSACTIONS^TOTALS^CLOSED CLAIMS^SPENDING ACCOUNT REPORT^RXS WITH NON-BILLABLE STATUS","^",BPRTYPE)  ;  ;Needed to convert lower case entries to upper case  S BPSLC="abcdefghijklmnopqrstuvwxyz"  S BPSUC="ABCDEFGHIJKLMNOPQRSTUVWXYZ"  ;  ;Get current Date/Time  D NOW^%DTC S Y=% D DD^%DT S BPNOW=Y  ;  DIV ;  ;Prompt for ECME Pharmacy Division(s) (No Default)  ;Sets up BPPHARM variable and array, BPPHARM =0 ALL or BPPHARM=1,BPPHARM(ptr) for list  S X=$$SELPHARM^BPSRPT3() G:(X="^")&($G(BPPHARM)="") EXIT G:(X="^")&(BPPHARM=1) DIV  .  .  .  ;Report Specific Prompts  ;  ;Prompt to select Date Range  ;Returns (Start Date^End Date)  S BPBEGDT=$$SELDATE^BPSRPT3(BPRTYPE) D I BPBEGDT="^" G EXIT  .I BPBEGDT="^" Q  .S BPENDDT=$P(BPBEGDT,U,2)  .S BPBEGDT=$P(BPBEGDT,U)  ;  ;Prompt to Include (R)ELEASED or (N)OT RELEASED or (A)LL (Default to RELEASED)  ;Returns (1-ALL,2-RELEASED,3-NOT RELEASED)  S BPRLNRL=$S(BPRTYPE=3:3,1:1) I (",1,2,4,6,7,8,9,")[BPRTYPE S BPRLNRL=$$SELRLNRL^BPSRPT4($S(BPRTYPE=9:1,1:2)) I BPRLNRL="^" G EXIT  ;  REJCD ;  ;Prompt to Include (S)pecific Reject Code or (A)LL (Default to ALL)  ;Returns (0-All,1-Reject Code,^=exit)  S BPQSTRC=0 I (",2,")[BPRTYPE S BPQSTRC=$$SELRC^BPSRPT4(0) I BPQSTRC="^" G EXIT  ;  ;If Specific Reject Code was selected, prompt for one or more Reject Codes  ;Returns: BPREJCD=a string of reject code ien's separated by a comma (file #9002313.93)  S BPREJCD=0  I BPQSTRC=1 S BPREJCD=$$SELREJCD^BPSRPT4() G:BPREJCD=0 REJCD G:BPREJCD="^" EXIT  ;  ;Prompt to Include Auto(R)eversed or (A)LL (Default to ALL)  ;Returns (0-All,1-AutoReversed)  S BPAUTREV=0 I (",4,")[BPRTYPE S BPAUTREV=$$SELAUREV^BPSRPT4(0) I BPAUTREV="^" G EXIT  ;  ;Prompt to Include A(C)cepted or (R)ejected or (A)LL (Default to REJECTED)  ;Returns (0-All,1-Rejected,2-Accepted)  S BPACREJ=0 I (",4,")[BPRTYPE S BPACREJ=$$SELACREJ^BPSRPT4(1) I BPACREJ="^" G EXIT  ;  CCR ;  ;Prompt to select (S)pecific Close Claim Reason or (A)ll (Default to All)  ;Returns (0-All,1-Close Claim Reason,^=exit)  S BPQSTCR=0 I (",7,")[BPRTYPE S BPQSTCR=$$SELCCR^BPSRPT4(0) I BPQSTCR="^" G EXIT  ;  ;If Specific Close Claim Reason was selected, prompt for one or more Close Claim Reasons  ;Returns: BPCCRSN=a string of close claim reason ien's separated by a comma  S BPCCRSN=0  I BPQSTCR=1 S BPCCRSN=$$SELCCRSN^BPSRPT4() G:BPCCRSN=0 CCR I BPCCRSN="^" G EXIT  ;  ;;Prompt for Eligibility Indicator for payable, rejected, reversed and closed claims report  ;;Returns (V=VETERAN,T=TRICARE,C=CHAMPVA,0=All)  ;;S BPELIG=0 I (",1,4,7,")[BPRTYPE S BPELIG=$$SELELIG^BPSRPT3(1) I BPELIG="^" G EXIT  ;  ;Prompt for All or Most Recent (Non-Billable Status Report only)  ;Returns A - All, R - Most Recent  S BPALRC=0 I (",9,")[BPRTYPE S BPALRC=$$SELALRC^BPSRPT3() I BPALRC="^" G EXIT  ;  ;Prompt for one, multiple or (A)ll Eligibility Indicator  ;Returns (0-All, 1-selection)  ; If 1, BPARR("ELIG",xx) is set for each eligibility selected - xx="V", "T" or "C"  S BPELIG1=0 I (",1,2,3,4,7,9,")[BPRTYPE S BPELIG1=$$SELELIG1^BPSRPT3() I BPELIG1="^" G EXIT  ;  ;Prompt for Open/Closed/All claims  ;Returns (1=Closed,2=Open,0=All)  S BPOPCL=0 I (",2,")[BPRTYPE S BPOPCL=$$SELOPCL^BPSRPT3(2) I BPOPCL="^" G EXIT  ;  PRESCR ;  ;Prompt to select SPECIFIC PRESCRIBER(S) or (A)ll Prescribers  ;Returns: (0=ALL,1=Prescriber,^=exit)  S BPQSTPR=0 I (",2,")[BPRTYPE S BPQSTPR=$$SELPR^BPSRPT3A() I BPQSTPR="^" G EXIT  ;  ;If Specific Prescriber was selected, prompt for one or more prescribers  ;Returns: BPRESC=a string of prescriber ien's separated by a comma  S BPRESC=0  I BPQSTPR=1 S BPRESC=$$SELPRESC^BPSRPT3A() G:BPRESC=0 PRESCR I BPRESC="^" G EXIT  ;  PATIENT ;  ;Prompt to select (P)atients or (A)LL Patients  ;Returns: (0=ALL,1=Patient,^=exit)  S BPQSTPAT=0 I (",1,2,3,4,7,9,")[BPRTYPE S BPQSTPAT=$$SELPA^BPSRPT3A() I BPQSTPAT="^" G EXIT  ;  ;If (P)atients was selected, prompt for one or more patients  ;Returns: BPPAT=a string of patient ien's separated by a comma  S BPPAT=0  I BPQSTPAT=1 S BPPAT=$$SELPAT^BPSRPT3A() G:BPPAT="^" EXIT G:BPPAT=0 PATIENT  ;  ;Prompt to select(R)ange for Billed Amount or (A)LL  ;Returns: (0=ALL,1=Range,^=exit)  S BPBILL=0 I (",1,2,3,4,9,")[BPRTYPE S BPBILL=$$SELBAMT^BPSRPT3A() I BPBILL="^" G EXIT  ;If Range of Billed Amount was selected prompt for Minimum and Maximum  ;Returns: BPMIN=minimum amount entered, BPMAX=maximum amount entered  S (BPMIN,BPMAX)=0  I BPBILL=1 W !,"Range for the Billed Amount" D I (BPMIN="^")!(BPMAX="^") G EXIT  . S BPMIN=$$SELBMIN^BPSRPT3A() I BPMIN="^" Q  . S BPMAX=$$SELBMAX^BPSRPT3A()  ;  ;Prompt for Non-Billable Status (Non-Billable Status Report only)  ;Sets up BPNBSTS variable and array, BPNBSTS=0 ALL or BPNBSTS=1,BPNBSTS(xx) for list  S BPNBSTS=0 I (",9,")[BPRTYPE S BPNBSTS=$$SELNBSTS^BPSRPT3() I BPNBSTS="^" G EXIT  ;  ;Prompt for Excel Capture (Detail Only)  S BPEXCEL=0 I 'BPSUMDET S BPEXCEL=$$SELEXCEL^BPSRPT4() I BPEXCEL="^" G EXIT  ;  ;Prompt for the Device  I 'BPEXCEL D  .W !!,"WARNING - THIS REPORT REQUIRES THAT A DEVICE WITH 132 COLUMN WIDTH BE USED."  .W !,"IT WILL NOT DISPLAY CORRECTLY USING 80 COLUMN WIDTH DEVICES",!  S BPQ=0 D DEVICE(BPRPTNAM) Q:BPQ  ;  ;Compile and Run the Report  D RUN(BPEXCEL,BPRPTNAM,BPSUMDET)  I 'BPQ D PAUSE2^BPSRPT1  ;  EXIT Q | | | | |

The modifications to SEL^BPSRPT3A, described below, will allow the user to delete a previously selected entry.

Prior to the changes for US4039 only the Drug/Drug Class and Patient filter questions called this subroutine, however the Prescriber filter question will be modified to call this subroutine. The Drug Class filter question will no longer call SEL^BPSRPT3A.

| Subroutine Name | **SEL^BPSRPT3A** | | | |
| --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | Delete | No Change |
| Current Logic | | | | |
| SEL(FIELD,FILE,BPSARRAY,DEFAULT) ;  ; Provides field selection for One or More  N DIC,DTOUT,DUOUT,QT,Y,X  N BPSARR  ;  S DIC=FILE,DIC(0)="QEZAM",DIC("A")="Select "\_FIELD\_": "  I $G(DEFAULT)'="" S DIC("B")=DEFAULT  ;  F  D ^DIC Q:X=""  D  Q:$G(QT)  . ; Check for "^" or timeout, if found set BPSARRAY="^" and quit.  . I $D(DTOUT)!$D(DUOUT) K BPSARRAY S BPSARRAY="^",QT=1 Q  . ;  . ; If selection already exists in BPSARRAY, then display message  . ; "(already selected)" and prompt for next selection.  . I $D(BPSARRAY(+Y)) W " (already selected)"  . S BPSARRAY(+Y)=$P(Y,"^",2)  . W " ",$P(Y,"^",2),!  . ;  . S DIC("A")="Select "\_FIELD\_": "  . ;  . ; display a list of current selections  . I FIELD="Drug Class" D  . . S BPSARR=""  . . F  S BPSARR=$O(BPSARRAY(BPSARR)) Q:'BPSARR  I BPSARR'=+Y W ?3,$$GET1^DIQ(50.605,BPSARR,1)," ",$$GET1^DIQ(50.605,BPSARR,.01),!  . ;  . I $D(BPSARRAY),FIELD'="Drug Class" D  . . S BPSARR="" F  S BPSARR=$O(BPSARRAY(BPSARR)) Q:'BPSARR  W ?10,BPSARRAY(BPSARR),!  . K DIC("B")  ;  ; If nothing was selected set BPSARRAY=0  I '$D(BPSARRAY) S BPSARRAY=0  Q | | | | |
| Modified Logic (Changes are highlighted) | | | | |
| SEL(FIELD,FILE,BPSARRAY,DEFAULT) ;  ; Provides selection of one or many Drug, Prescriber and Patients.  ; Note: if you make changes to this subroutine you need to check DCSEL,RCSEL^BPSRPT4, CCRSEL^BPSRPT4  ; they might require the same changes.  N DIC,DTOUT,DUOUT,QT,Y,X  N BPSARR  ;  S DIC=FILE,DIC(0)="QEZAM",DIC("A")="Select "\_FIELD\_": "  I FIELD="Prescriber" S DIC("S")="I +$G(^VA(200,Y,""PS""))"  I $G(DEFAULT)'="" S DIC("B")=DEFAULT  ;  F D ^DIC Q:X="" D Q:$G(QT)  . ; Check for "^" or timeout, if found set BPSARRAY="^" and quit.  . I $D(DTOUT)!$D(DUOUT) K BPSARRAY S BPSARRAY="^",QT=1 Q  . ;  . ; If selection already exists in BPSARRAY, ask user if they  . ; want to Delete the entry.  . I $D(BPSARRAY(+Y)) D Q  . . N P  . . S P=Y ;Save Original Value  . . S DIR(0)="S^Y:YES;N:NO"  . . S DIR("A")="Delete "\_$P(P,U,2)\_" from your list?"  ~~. . I FIELD="Drug Class" S DIR("A")="Delete "\_$$GET1^DIQ(50.605,+P,1)\_" from your list?"~~  . . S DIR("B")="NO" D ^DIR  . . I Y="Y" K BPSARRAY(+P),BPSARRAY("B",$P(P,U,2),+P)  . . ; Display a list of current selections  . . I $D(BPSARRAY) D  . . . N X  . . . W !,?2,"Selected:"  . . . S X="" F S X=$O(BPSARRAY("B",X)) Q:X="" W ?12,X,!  . E D  . . ;Define new entries in BPSCCR array  . . S BPSARRAY(+Y)=$P(Y,U,2)  . . S BPSARRAY("B",$P(Y,U,2),+Y)=""  . ;  . ; Display a list of current selections  . N X  . W !,?2,"Selected:"  . S X="" F S X=$O(BPSARRAY("B",X)) Q:X="" W ?12,X,!  . K DIC("B")  ;  ; If nothing was selected set BPSARRAY=0  I '$D(BPSARRAY) S BPSARRAY=0  Q | | | | |

The Drug Class will be modified to call a new subroutine when the user is making their selections.

| Subroutine Name | **DCSEL^BPSRPT3A** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | Delete | | | No Change | |
| Related Routines | This Subroutine is Called By | | | | This Subroutine Calls | | | |
| SELDC^BPSRPT3A | | | | - | | | |
| Related Integration Control Registrations (ICRs) | N/A | | | | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Current Logic | | | | | | | | |
| n/a – new subroutine | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| DCSEL(FIELD,FILE,BPSARRAY,DEFAULT) ;  ; Provides selection of one or many for Drug Classes.  N BPSARR,DIC,DTOUT,DUOUT,QT,Y,X  ;  S DIC=FILE,DIC(0)="QEZAM",DIC("A")="Select "\_FIELD\_": "  I $G(DEFAULT)'="" S DIC("B")=DEFAULT  ;  F D ^DIC Q:X="" D Q:$G(QT)  . ;  . ; Check for "^" or timeout, if found set BPSARRAY="^" and quit.  . I $D(DTOUT)!$D(DUOUT) K BPSARRAY S BPSARRAY="^",QT=1 Q  . ;  . ; If selection already exists in BPSARRAY, ask user if they  . ; want to Delete the entry  . I $D(BPSARRAY(+Y)) D Q  . . N P  . . S P=Y ;Save Original Value  . . S DIR(0)="S^Y:YES;N:NO"  . . S DIR("A")="Delete "\_$$GET1^DIQ(50.605,+P,1)\_" "\_$$GET1^DIQ(50.605,+P,.01)\_" from your list?"  . . S DIR("B")="NO"  . . D ^DIR  . . I Y="Y" K BPSARRAY(+P),BPSARRAY("B",$P(P,U,2),+P)  . . ; Display list of current selections  . . I $D(BPSARRAY) D  . . . N X  . . . W !,?2,"Selected:"  . . . S X="" F S X=$O(BPSARRAY(X)) Q:(X="")!(X="B") W ?12,$$GET1^DIQ(50.605,X,1)," ",$$GET1^DIQ(50.605,X,.01),!  . E D  . . ;Define new entries in BPSCCR array  . . S BPSARRAY(+Y)=$P(Y,U,2)  . . S BPSARRAY("B",$P(Y,U,2),+Y)=""  . ;  . ;Display a list of current selections  . N X  . W !,?2,"Selected:"  . S X="" F S X=$O(BPSARRAY(X)) Q:(X="")!(X="B") W ?12,$$GET1^DIQ(50.605,X,1)," ",$$GET1^DIQ(50.605,X,.01),!  . K DIC("B")  ;  ; If nothing was selected set BPSARRAY=0  I '$D(BPSARRAY) S BPSARRAY=0  Q | | | | | | | | |

A new subroutine, SELRC^BPSRPT4, that will prompt the user to either select a Specific Reject Code or All Reject Codes. This was previously part of SELREJCD^BPSRPT4.

| Subroutine Name | **SELRC^BPSRPT4** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | Delete | | | No Change | |
| Related Routines | This Subroutine is Called By | | | | This Subroutine Calls | | | |
| EN^BPSRPT0 | | | | - | | | |
| Related Integration Control Registrations (ICRs) | N/A | | | | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: DFLT  Definition: 0 default to All  New  Modify  Delete  No Change | | | | | | | |
| Output Attribute Name and Definition | Name:  Definition: 1=Specific Reject Codes, 0=ALL, ^=Exit  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| n/a – new subroutine | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| SELRC(DFLT) ;  ;  ; Display (S)pecific Reject Codes or (A)ll  ;  ; Input Variable -> DFLT = ALL  ;  ; Return Value -> 1 = Reject Codes  ; 0 = ALL  ; ^ = Exit  ;  N DIR,DIRUT,DTOUT,DUOUT,X,Y  ;  ;Select to include (S)pecific Reject Codes or (A)ll Reject Codes  ;  S DIR(0)="S^S:Specific Reject Code);A:ALL"  S DIR("A")="Include (S)pecific Reject Code or (A)LL"  S DIR("B")="A"  S DIR("L",1)="Select one of the following:"  S DIR("L",2)=""  S DIR("L",3)=" S Specific Reject Code"  S DIR("L",4)=" A ALL"  D ^DIR  I ($G(DUOUT)=1)!($G(DTOUT)=1) S Y="^"  S Y=$S(Y="A":0,Y="S":1,1:Y)  Q Y | | | | | | | | |

SELREJCD^BPSRPT4 will be modified to no longer ask the user if they want to select a Specific Reject Codes or All. It will also be modified to call RCSEL^BPSRPT4, which will prompt the user for a one or many Reject Code(s).

| Subroutine Name | **SELREJCD^BPSRPT4** | | | |
| --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | Delete | No Change |
| Current Logic | | | | |
| SELREJCD() ;  ; User input will be temporarily stored in BPS115AR for display to user   ; of selected REJECT CODES.  ;   ; If 'S' is selected, at least one REJECT CODE must be selected. If no selection   ; was made the user will be re-prompted to select a reject code.  ;   ; Upon completion of REJECT CODE(s) entry, values will be placed into a string   ; delimited by commas. e.g. BPARR("REJ")="50,60,"  ;   ; BPSRCAR = array containing REJECT CODE information  ; BPSRCAR(BPSRC)=BPSRCE  ; BPSRC = IEN from File #9002313.93 / BPSRCE = Reject Code Explanation   ;  N BPSREJ,DIR,DIRUT,DTOUT,DUOUT,X,Y  ;  ; BPSREJ = 1^S - Specific Reject Code  ; 1^A - ALL  ; -1 - if user entered "^"  ;  S BPSREJ=$$EDITFLD^BPSSCRCV(1.1,DUZ,"S^S:Specific Reject Code;A:ALL","Include (S)pecific Reject Code or (A)LL","ALL",.BPARR)  ;  ;If (A)LL was selected, return 0 (zero)  I BPSREJ["A" Q 0  ;If user entered "^" to exit, return "^"  I BPSREJ=-1 Q "^"  ; BPSREJCD ;  N BPARR,BPSCNT,BPSRC,BPSRCAR,BPSRCC,BPSRCE,BPSRCX  N DFLTVAL,DIR0,PRMTMSG  ;  ;If (S)pecific Reject Code was selected, assign existing entry(s) into BPS115AR array.  I $P(BPSREJ,U,2)="S" D  . ;Prompt user to enter one or multiple Reject Codes  . S BPSRC="" F  D  Q:BPSRC=-1  . . S DIR0="P^BPSF(9002313.93,"  . . S PRMTMSG="Select Reject Code"  . . S DFLTVAL=""  . . S BPSRC=$$PROMPT^BPSSCRCV(DIR0,PRMTMSG,DFLTVAL)  . . ;  . . ; If user didn't make a selection  . . I BPSRC=-1 Q  . . ;  . . ; Get the Code and Explanation for the Reject Code selected  . . S BPSRCC=$$GET1^DIQ(9002313.93,BPSRC,.01)  . . S BPSRCE=$$GET1^DIQ(9002313.93,BPSRC,.02)  . . ;  . . ; If entry doesn't exist, add new entry into BPSRCAR array.  . . I '$D(BPSRCAR(BPSRC)) S BPSRCAR(BPSRC)=BPSRCC\_U\_BPSRCE  . . ;  . . ; Display existing entry(s) to user.  . . I $D(BPSRCAR) D  . . . S BPSRC="" F  S BPSRC=$O(BPSRCAR(BPSRC)) Q:BPSRC=""  W !,?3,$P(BPSRCAR(BPSRC),U),?13,$P(BPSRCAR(BPSRC),U,2)  . ;  . ; If user selected (S)pecific Reject Code, return "^" in order for the user to return to the menu  . I '$D(BPSRCAR) S BPARR("REJCD")="^" Q  . ;  . ; Loop through selected reject codes, set selected reject codes into BPARR("REJCD") delimited by comma.   . S BPARR("REJCD")=""  . S BPSRC="" F  S BPSRC=$O(BPSRCAR(BPSRC)) Q:BPSRC=""  S BPARR("REJCD")=BPARR("REJCD")\_BPSRC\_","  ; SELRCX ;  Q BPARR("REJCD") | | | | |
| Modified Logic (Changes are highlighted) | | | | |
| SELREJCD() ;  ; Allow user to select a single or multiple REJECT CODEs.  ;  ; If the users selected one or more REJECT CODEs, the selection will be stored  ; in BPARR("RC")separated by a comma. e.g. BPARR("RC")= ien1 , ien2  ;  BPSREJCD ;  N DIR,DIRUT,DTOUT,DUOUT,X,Y  N BPARR,BPSARRAY,BPSIEN  ;  S BPARR("RC")=""  ;  ; This tag prompts user to 'Select Reject Code' and validates it against file #9002313.93.  D SEL1(.BPSARRAY)  ;  ; If the user entered "^" quit, no longer prompting the user to 'Select Reject Code'  I $G(BPSARRAY)="^" Q "^"  ;  ; If no Reject Code was selected, return the user to 'Include (S)pecific Reject Code or (A)LL'  I $G(BPSARRAY)=0 Q 0  ;  M BPARR("RC")=BPSARRAY  ;  ; Creates a string of all the Reject Code ien's selected separated by a comma.  S BPSIEN=""  F S BPSIEN=$O(BPARR("RC",BPSIEN)) Q:BPSIEN="" I BPSIEN'="B" D  . I BPARR("RC")'="" S BPARR("RC")=BPARR("RC")\_","  . S BPARR("RC")=BPARR("RC")\_BPSIEN  . Q  ;  Q BPARR("RC") | | | | |

A new subroutine RCSEL^BPSRPT4 will be created that was modeled after SEL^BPSRPT3A. It will only be used by the Reject Code(s) prompt.

| Subroutine Name | **RCSEL^BPSRPT4** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | Delete | | | No Change | |
| Related Routines | This Subroutine is Called By | | | | This Subroutine Calls | | | |
| SELREJCD^BPSRPT4 | | | | - | | | |
| Related Integration Control Registrations (ICRs) | N/A | | | | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: N/A  Definition:  New  Modify  Delete  No Change | | | | | | | |
| Output Attribute Name and Definition | Name: BPSARRAY  Definition: array containing the reject code(s) selected  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| n/a – new subroutine | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| RCSEL(BPSARRAY) ;  ; Prompts user to select one or more Reject Codes  ;  N DIC,DTOUT,DUOUT,QT,Y,X  N BPSCODE,BPSEXP  ;  S DIC="^BPSF(9002313.93,",DIC(0)="AEMNQ"  S DIC("A")="Select Reject Code: "  I $G(DEFAULT)'="" S DIC("B")=DEFAULT  ;  F D ^DIC Q:X="" D Q:$G(QT)  . ; Check for "^" or timeout, if found set BPSARRAY="^" and quit.  . I $D(DTOUT)!$D(DUOUT) K BPSARRAY S BPSARRAY="^",QT=1 Q  . ;  . ; If selection already exists in BPSARRAY, ask user if they  . ; want to Delete the entry.  . I $D(BPSARRAY(+Y)) D Q  . . N P  . . S P=Y ;Save Original Value  . . S DIR(0)="S^Y:YES;N:NO"  . . S DIR("A")="Delete "\_$P(BPSARRAY("B",+P),U,1)\_" "\_$P(BPSARRAY("B",+P),U,2)\_" from your list?"  . . S DIR("B")="NO"  . . D ^DIR  . . I Y="Y" K BPSARRAY(+P),BPSARRAY("B",+P)  . . ; Display a list of current selections  . . I $D(BPSARRAY) D  . . . N X  . . . W !,?2,"Selected:"  . . . S X="" F S X=$O(BPSARRAY("B",X)) Q:X="" D  . . . W ?12,$P(BPSARRAY("B",X),U)," ",$P(BPSARRAY("B",X),U,2),!  . E D  . . ;Define new entries in BPSARRAY  . . ; Get the Reject Code and Explanation for the selected Reject Code  . . S BPSCODE=$$GET1^DIQ(9002313.93,+Y,.01)  . . S BPSEXP=$$GET1^DIQ(9002313.93,+Y,.02)  . . S BPSARRAY(+Y)=Y  . . S BPSARRAY("B",+Y)=BPSCODE\_"^"\_BPSEXP  . ;  . ; Display a list of current selections  . N X  . W !,?2,"Selected:"  . S X="" F S X=$O(BPSARRAY("B",X)) Q:X="" W ?12,$P(BPSARRAY("B",X),U,1)," ",$P(BPSARRAY("B",X),U,2),!  ;  ; If nothing was selected set BPSARRAY=0  I '$D(BPSARRAY) S BPSARRAY=0  Q | | | | | | | | |

A new subroutine SELCCR^BPSRPT4 will be created that will prompt the user to either select Specific Close Claim Reasons or All Close Claim Reasons. This was previously part of SELCCRSN^BPSRPT4.

| Subroutine Name | **SELCCR^BPSRPT4** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | Delete | | | No Change | |
| Related Routines | This Subroutine is Called By | | | | This Subroutine Calls | | | |
| EN^BPSRPT0 | | | | - | | | |
| Related Integration Control Registrations (ICRs) | N/A | | | | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: DFLT  Definition: 0 default to All  New  Modify  Delete  No Change | | | | | | | |
| Output Attribute Name and Definition | Name:  Definition: 1=Close Claim Reasons, 0=ALL, ^=Exit  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| n/a – new subroutine | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| SELCCR(DFLT) ;  ;  ; Display (S)pecific Close Claim Reason or (A)ll  ;  ; Input Variable -> DFLT = ALL  ;  ; Return Value -> 1 = Close Claim Reasons  ; 0 = ALL  ; ^ = Exit  ;  N DIR,DIRUT,DTOUT,DUOUT,X,Y  ;  ;Select to include (S)pecific Close Claim Reason or (A)ll Close Claim Reasons  ;  S DIR(0)="S^S:Specific Close Claim Reason;A:ALL"  S DIR("A")="Include (S)pecific Close Claim Reason or (A)LL"  S DIR("B")="A"  D ^DIR  I ($G(DUOUT)=1)!($G(DTOUT)=1) S Y="^"  S Y=$S(Y="A":0,Y="S":1,1:Y)  Q Y | | | | | | | | |

SELCCRSN^BPSRPT4 will be modified to no longer ask the user if they want to select a Specific Close Claim Reason or All. It will be modified to call a new subroutine CCRSEL^BPSRPT4 which will prompt the user for a one or many Close Claim Reasons.

| Subroutine Name | **SELCCRSN^BPSRPT4** | | | |
| --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | Delete | No Change |
| Current Logic | | | | |
| SELCCRSN(DFLT) ;  N ARR,BPSARRAY,BPSCCR,DIC,DIR,DIRUT,DUOUT,RSN,X,Y  ;  S DFLT=$S($G(DFLT)=1:"Specific Close Claim Reason",1:"ALL")  S DIR(0)="S^S:Specific Close Claim Reason;A:ALL"  S DIR("A")="Include (S)pecific Close Claim Reason or (A)LL",DIR("B")=DFLT  D ^DIR  ;  ; ALL - BPSCCR=0 / Specific Close Claim Reason - BPSCCR=1  S BPSCCR=$S(Y="S":1,Y="A":0,1:Y)  ;  ;If "^" was entered or there was a Timeout, return "^"  I ($G(DUOUT)=1)!($G(DTOUT)=1) S (RSN,Y)="^"  ;  Q:BPSCCR'=1 BPSCCR  W !  ;  N DIC,DIRUT,DTOUT,DUOUT,X,Y  ; BPSCCR ;  ;User selected (S)pecific Close Claim Reason, allow user to select one or multiple reasons.  S DIC(0)="QEAM",DIC=356.8,DIC("A")="Select Close Claim Reason: "  F  D ^DIC Q:X=""  D  Q:$G(BPSARRAY)="^"  . ; Check for "^" or a timeout, if found set BPSARRAY="^" and quit.  . I $D(DUOUT)!$D(DTOUT)!($D(DIRUT)) S BPSARRAY="^" Q  . ;  . ; Add selection to BPSARRAY and display close claim reason.  . S BPSARRAY(+Y)=$P(Y,U,2)  . W " ",$P(Y,"^",2),!  . ;  . ; Display a list of current selections.  . S ARR="" F  S ARR=$O(BPSARRAY(ARR)) Q:'ARR  W ?10,BPSARRAY(ARR),!  ;  ; If BPSARRAY="^" quit and return "^".  I $G(BPSARRAY)="^" Q "^"  ;  ; If nothing was selected quit and return "".  I '$D(BPSARRAY) Q ""  ;  ; Create a comma delimited string BPSCCR that contains the selected close claim reason ien's.  S BPSCCR=""  S ARR="" F  S ARR=$O(BPSARRAY(ARR)) Q:'ARR  S BPSCCR=BPSCCR\_ARR\_","  ;  Q BPSCCR | | | | |
| Modified Logic (Changes are highlighted) | | | | |
| SELCCRSN(DFLT) ;  ;  ; Allow user to select a single or multiple CLOSE CLAIM REASON(s).  ;  ; If the users selected one or more CLOSE CLAIM REASONs, the selection will be stored  ; in BPARR("CCR")separated by a comma. e.g. BPARR("CCR")= ien1 , ien2  ; NOTE: the ien's are pointers to CLAIMS TRACKING NON-BILLABLE REASONS (#356.8)  ;  BPSCCR ;  N DIR,DIRUT,DTOUT,DUOUT,X,Y  N BPARR,BPSARRAY,BPSIEN  ;  S BPARR("CCR")=""  ;  ; The SEL tag prompts user to 'Select Close Claim Reason' and validates the selection  ; against file #356.8 - CLAIMS TRACKING NON-BILLABLE REASONS.  D CCRSEL("Close Claim Reason","^IBE(356.8,",.BPSARRAY)  ;  ; If the user entered "^" quit, no longer prompting the user to 'Select Close Claim Reason'  I $G(BPSARRAY)="^" Q "^"  ;  ; If no Close Claim Reason was selected, return the user to 'Include (S)pecific Close Claim Reason or (A)LL'  I $G(BPSARRAY)=0 Q 0  ;  M BPARR("CCR")=BPSARRAY  ;  ; Creates a string of all the Close Claim Reasons ien's selected separated by a comma.  S BPSIEN=""  F S BPSIEN=$O(BPARR("CCR",BPSIEN)) Q:BPSIEN="" I BPSIEN'="B" D  . I BPARR("CCR")'="" S BPARR("CCR")=BPARR("CCR")\_","  . S BPARR("CCR")=BPARR("CCR")\_BPSIEN  . Q  ;  Q BPARR("CCR") | | | | |

A new subroutine CCRSEL^BPSRPT4 will be created that will prompt the user to select Specific Close Claim Reasons. This prompt will prompt to user to delete duplicate entries.

| Subroutine Name | **CCRSEL^BPSRPT4** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | Delete | | | No Change | |
| Related Routines | This Subroutine is Called By | | | | This Subroutine Calls | | | |
| SELCCRSN^BPSRPT3A | | | | - | | | |
| Related Integration Control Registrations (ICRs) | N/A | | | | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Current Logic | | | | | | | | |
| n/a – new subroutine | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| CCRSEL(FIELD,FILE,BPSARRAY,DEFAULT) ;  ; Provides selection of one or many Close Claim Reasons.  ;  N BPSARR,DIC,DTOUT,DUOUT,QT,Y,X  ;  S DIC=FILE,DIC(0)="QEZAM",DIC("A")="Select "\_FIELD\_": "  I $G(DEFAULT)'="" S DIC("B")=DEFAULT  ;  F D ^DIC Q:X="" D Q:$G(QT)  . ; Check for "^" or timeout, if found set BPSARRAY="^" and quit.  . I $D(DTOUT)!$D(DUOUT) K BPSARRAY S BPSARRAY="^",QT=1 Q  . ;  . ; If selection already exists in BPSARRAY, ask user if they  . ; want to Delete the entry  . I $D(BPSARRAY(+Y)) D Q  . . N P  . . S P=Y ;Save Original Value  . . S DIR(0)="S^Y:YES;N:NO"  . . S DIR("A")="Delete "\_$P(P,U,2)\_" from your list?"  . . S DIR("B")="NO"  . . D ^DIR  . . I Y="Y" K BPSARRAY(+P),BPSARRAY("B",$P(P,U,2),+P)  . . ; Display a list of current selections  . . I $D(BPSARRAY) D  . . . N X  . . . W !,?2,"Selected:"  . . . S X="" F S X=$O(BPSARRAY(X)) Q:(X="")!(X="B") W ?12,BPSARRAY(X),!  . E D  . . ;Define new entries in BPSCCR array  . . S BPSARRAY(+Y)=$P(Y,U,2)  . . S BPSARRAY("B",$P(Y,U,2),+Y)=""  . ;  . ;Display a list of current selections  . N X  . W !,?2,"Selected:"  . S X="" F S X=$O(BPSARRAY(X)) Q:(X="")!(X="B") W ?12,BPSARRAY(X),!  . K DIC("B")  ;  ; If nothing was selected set BPSARRAY=0  I '$D(BPSARRAY) S BPSARRAY=0  Q | | | | | | | | |

A new subroutine SELPR^BPSRPT3A will be created that will prompt the user to either select Specific Prescribers or All Prescribers. This was previously part of SELPRESC^BPSRPT3A.

| Subroutine Name | **SELPR^BPSRPT3A** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | Delete | | | No Change | |
| Related Routines | This Subroutine is Called By | | | | This Subroutine Calls | | | |
| EN^BPSRPT0 | | | | - | | | |
| Related Integration Control Registrations (ICRs) | N/A | | | | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: DFLT  Definition: 0 default to All  New  Modify  Delete  No Change | | | | | | | |
| Output Attribute Name and Definition | Name:  Definition: 1=Prescribers, 0=ALL, ^=Exit  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| n/a – new subroutine | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| SELPR(DFLT) ;  ;  ; Display (P)rescribers or (A)ll  ;  ; Input Variable -> DFLT = ALL  ;  ; Return Value -> 1 = Prescribers  ; 0 = ALL  ; ^ = Exit  ;  N DIR,DIRUT,DTOUT,DUOUT,X,Y  ;  ;Select to include (S)pecific Prescriber or (A)ll Prescribers  ;  S DIR(0)="S^S:SPECIFIC PRESCRIBER(S);A:ALL PRESCRIBERS"  S DIR("A")="Select Specific Prescriber(s) or include ALL Prescribers"  S DIR("B")="A"  S DIR("L",1)="Select one of the following:"  S DIR("L",2)=""  S DIR("L",3)=" S Specific Prescriber(s)"  S DIR("L",4)=" A ALL Prescribers"  D ^DIR  I ($G(DUOUT)=1)!($G(DTOUT)=1) S Y="^"  S Y=$S(Y="A":0,Y="S":1,1:Y)  Q Y | | | | | | | | |

SELPRESC^BPSRPT3A will be modified to no longer ask the user if they want to select Specific Prescribers or All Prescribers. It will also be modified to call SEL^BPSRPT3A which will prompt the user for a one or many Prescribers.

| Subroutine Name | **SELPRESC^BPSRPT3A** | | | |
| --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | Delete | No Change |
| Current Logic | | | | |
| SELPRESC() ;  N DIR,DIRUT,DTOUT,DUOUT,X,Y  ;  ;Select to include (S)pecific Prescriber or (A)ll Prescribers  ;  S DIR(0)="S^S:SPECIFIC PRESCRIBER(S);A:ALL PRESCRIBERS"  S DIR("A")="Select Specific Prescriber(s) or include ALL Prescribers"  S DIR("B")="A"  S DIR("L",1)="Select one of the following:"  S DIR("L",2)=""  S DIR("L",3)=" S Specific Prescriber(s)"  S DIR("L",4)=" A ALL Prescribers"  D ^DIR K DIR  ;  ;If (A)LL was selected, return 0 (zero)  I Y="A" Q 0  ;If "^" was entered or there was a Timeout, return "^"  I (Y="^")!($G(DUOUT)=1)!($G(DTOUT)=1)!($D(DIRUT)) Q "^"  W !  ; BPPRESC ;  ;User selected (S)pecific Prescriber, allow user to select one or multiple Prescribers.  N DIC,DIRUT,DTOUT,DUOUT,X,Y  N ARR,BPSARRAY,BPSRESCAR  K DIC,X,Y  ;  S DIC(0)="QEAM",DIC="^VA(200,",DIC("A")="Select Prescriber: "  S DIC("S")="I +$G(^VA(200,Y,""PS""))"  F  D ^DIC Q:X=""  D  Q:$G(BPSARRAY)="^"  . ; Check for "^" or a timeout, if found set BPSARRAY="^" and quit.  . I $D(DUOUT)!$D(DTOUT)!($D(DIRUT)) S BPSARRAY="^" Q  . ;  . ; Add selection to BPSARRAY and display Prescriber's Name.  . S BPSARRAY(+Y)=$P(Y,U,2)  . W " ",$P(Y,"^",2),!  . ;  . ; Display a list of current selections.  . I $D(BPSARRAY) D  . . S ARR="" F  S ARR=$O(BPSARRAY(ARR)) Q:'ARR  W ?10,BPSARRAY(ARR),!  ;  ; If BPSARRAY="^" quit and return "^".  I $G(BPSARRAY)="^" Q "^"  ;  ; If nothing was selected, return "^" so the user will return to the menu   I '$D(BPSARRAY) Q "^"  ;  ; Create a comma delimited string BPSRESCAR that contains the selected Prescribers ien's.  S BPSRESCAR=""  S ARR="" F  S ARR=$O(BPSARRAY(ARR)) Q:'ARR  S BPSRESCAR=BPSRESCAR\_ARR\_","  ;  Q BPSRESCAR | | | | |
| Modified Logic (Changes are highlighted) | | | | |
| SELPRESC() ;  ; Allow user to select a single or multiple PRESCRIBERS(s).  ;  ; If the users selected one or more PRESCRIBERs, the selection will be stored  ; in BPARR("PRESC")separated by a comma. e.g. BPARR("PRESC")= ien1 , ien2  ;  BPPRESC ;  N DIR,DIRUT,DTOUT,DUOUT,X,Y  N BPARR,BPSARRAY,BPSIEN  ;  S BPARR("PRESC")=""  ;  ; The SEL tag prompts user to 'Select Prescriber' and validates the selection against file #200.  D SEL("Prescriber","^VA(200,",.BPSARRAY)  ;  ; If the user entered "^" quit, no longer prompting the user to 'Select Prescriber'  I $G(BPSARRAY)="^" Q "^"  ;  ; If no Prescriber was selected, return the user to 'Display Selected (P)rescribers or (A)LL'  I $G(BPSARRAY)=0 Q 0  ;  M BPARR("PRESC")=BPSARRAY  ;  ; Creates a string of all the Prescriber ien's selected separated by a comma.  S BPSIEN=""  F S BPSIEN=$O(BPARR("PRESC",BPSIEN)) Q:BPSIEN="" I BPSIEN'="B" D  . I BPARR("PRESC")'="" S BPARR("PRESC")=BPARR("PRESC")\_","  . S BPARR("PRESC")=BPARR("PRESC")\_BPSIEN  . Q  ;  Q BPARR("PRESC") | | | | |

The subroutine PROCESS^BPSRPT1 will need to be modified when checking the Close Reason, Reject Code and Prescriber. They will no longer contain a trailing “,”.

| Subroutine Name | **PROCESS^BPSRPT1** | | | |
| --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | Delete | No Change |
| Current Logic | | | | |
| PROCESS(BP59) ;  N BPBILLED,BPBCK,BPBCKXBPDFN,BPREF,BPPAYBL,BPPLAN,BPREJ,BPRLSDT,BPRX,BPRXDC,BPRXDRG,BPSTATUS,BPSEQ,BPSTOP  ;  S BPSEQ=$$COB59^BPSUTIL2(BP59)  ;  ;Get ABSBRXI - ptr to #52  S BPRX=+$P($G(^BPST(BP59,1)),U,11)  ;  ;Get ABSBRXR - Prescription Number IEN  S BPREF=+$P($G(^BPST(BP59,1)),U)  ;  ;Get PATIENT - ptr to #2  S BPDFN=+$P($G(^BPST(BP59,0)),U,6)  ;  ; Skip eligibility verification transactions  I $P($G(^BPST(BP59,0)),U,15)="E" G XPROC  .  .  .    ;Check for selected drug   S BPRXDRG=$$GETDRUG^BPSRPT6(BPRX)  I BPRXDRG=0 G XPROC  I BPDRUG D  I BPSTOP=0 G XPROC  . S BPSTOP=0  . F I=1:1:$L(BPDRUG,",") I BPRXDRG=$P(BPDRUG,",",I) S BPSTOP=1 Q  ;  ;Check for selected drug classes  I BPDRGCL'=0 S BPRXDC=$$DRGCLNAM^BPSRPT6($$GETDRGCL^BPSRPT6(BPRXDRG),99) D I BPSTOP=0 G XPROC  . S BPSTOP=0  . F I=1:1:$L(BPDRGCL,";") I BPRXDC=$P(BPDRGCL,";",I) S BPSTOP=1 Q  ;  ;Check for selected Close Reason I BPCCRSN D I BPSTOP=0 G XPROC  . S BPSTOP=0  . F I=1:1:$L(BPCCRSN,",")-1 I $P(BPCCRSN,",",I)=$P($$CLRSN^BPSRPT7(BP59),U) S BPSTOP=1 Q  ;  ;Check for Accepted/Rejected  I BPACREJ=1,BPSTATUS'["REJECTED" G XPROC  I BPACREJ=2,BPSTATUS'["ACCEPTED" G XPROC  ;  ;Check for Specific Reject Code  I BPREJCD'=0 D I BPSTOP=0 G XPROC  . S BPSTOP=0  . F I=1:1:($L(BPREJCD,",")-1) I $$CKREJ(BP59,$P(BPREJCD,",",I)) S BPSTOP=1 Q  ;  ;;Check for Eligibility Code  ;;I BPELIG'=0,BPELIG'=$$ELIGCODE^BPSSCR05(BP59) G XPROC  ;  ;Check for Eligibility Codes, when one or more is selected (BPELIG1=1)  I (",1,2,3,4,7,9,")[BPRTYPE,BPELIG1'=0 S ELIG=$$ELIGCODE^BPSSCR05(BP59) G:$G(ELIG)="" XPROC I '$D(BPELIG1(ELIG)) G XPROC  ;  ;Check for selected Prescribers  I BPRESC'=0 D I BPSTOP=0 G XPROC  . S BPSTOP=0  . F I=1:1:$L(BPRESC,",") I $$CKPRESC(BP59,$P(BPRESC,",",I)) S BPSTOP=1 Q  ;  ;Check for selected Patients  I BPQSTPAT'=0,$G(BPPAT)'="" D I BPSTOP=0 G XPROC  . S BPSTOP=0  . F I=1:1:$L(BPPAT,",") I $P(BPPAT,",",I)=$$GET1^DIQ(9002313.59,BP59,5,"I") S BPSTOP=1 Q  ;  ; Check for Billed Amount  I $G(BPBILL)'=0 S BPBILLED=$$GET1^DIQ(9002313.59,BP59,505) I (BPBILLED<BPMIN)!(BPBILLED>BPMAX) G XPROC  ;  ;Check Open/Closed claim  I BPOPCL'=0,((BPOPCL=2)&($$CLOSED02^BPSSCR03($P(^BPST(BP59,0),U,4))=1))!((BPOPCL=1)&($$CLOSED02^BPSSCR03($P(^BPST(BP59,0),U,4))'=1)) G XPROC  ;  ;Save Entry for Report  D SETTMP^BPSRPT2(BPGLTMP,BPDFN,BPRX,BPREF,BP59,BPBEGDT,BPENDDT,.BPPHARM,BPSUMDET,BPPLAN,BPRLSDT,BPPAYBL,BPREJ,BPRXDRG,$P(BPSTATUS,U))  ;  XPROC Q | | | | |
| Modified Logic (Changes are highlighted) | | | | |
| PROCESS(BP59) ;  N BPBILLED,BPBCK,BPBCKXBPDFN,BPREF,BPPAYBL,BPPLAN,BPREJ,BPRLSDT,BPRX,BPRXDC,BPRXDRG,BPSTATUS,BPSEQ,BPSTOP  ;  S BPSEQ=$$COB59^BPSUTIL2(BP59)  ;  ;Get ABSBRXI - ptr to #52  S BPRX=+$P($G(^BPST(BP59,1)),U,11)  ;  ;Get ABSBRXR - Prescription Number IEN  S BPREF=+$P($G(^BPST(BP59,1)),U)  ;  ;Get PATIENT - ptr to #2  S BPDFN=+$P($G(^BPST(BP59,0)),U,6)  ;  ; Skip eligibility verification transactions  I $P($G(^BPST(BP59,0)),U,15)="E" G XPROC  .  .  .    ;Check for selected drug  S BPRXDRG=$$GETDRUG^BPSRPT6(BPRX)  I BPRXDRG=0 G XPROC  I BPDRUG D I BPSTOP=0 G XPROC  . S BPSTOP=0  . F I=1:1:$L(BPDRUG,",") I BPRXDRG=$P(BPDRUG,",",I) S BPSTOP=1 Q  ;  ;Check for selected drug classes  I BPDRGCL'=0 S BPRXDC=$$DRGCLNAM^BPSRPT6($$GETDRGCL^BPSRPT6(BPRXDRG),99) D I BPSTOP=0 G XPROC  . S BPSTOP=0  . F I=1:1:$L(BPDRGCL,";") I BPRXDC=$P(BPDRGCL,";",I) S BPSTOP=1 Q  ;  ;Check for selected Close Reason  I BPCCRSN D I BPSTOP=0 G XPROC  . S BPSTOP=0  . F I=1:1:$L(BPCCRSN,",")~~-1~~ I $P(BPCCRSN,",",I)=$P($$CLRSN^BPSRPT7(BP59),U) S BPSTOP=1 Q  ;  ;Check for Accepted/Rejected  I BPACREJ=1,BPSTATUS'["REJECTED" G XPROC  I BPACREJ=2,BPSTATUS'["ACCEPTED" G XPROC  ;  ;Check for Specific Reject Code  I BPREJCD'=0 D I BPSTOP=0 G XPROC  . S BPSTOP=0  . F I=1:1:~~(~~$L(BPREJCD,",")~~-1)~~ I $$CKREJ(BP59,$P(BPREJCD,",",I)) S BPSTOP=1 Q  ;  ;;Check for Eligibility Code  ;;I BPELIG'=0,BPELIG'=$$ELIGCODE^BPSSCR05(BP59) G XPROC  ;  ;Check for Eligibility Codes, when one or more is selected (BPELIG1=1)  I (",1,2,3,4,7,9,")[BPRTYPE,BPELIG1'=0 S ELIG=$$ELIGCODE^BPSSCR05(BP59) G:$G(ELIG)="" XPROC I '$D(BPELIG1(ELIG)) G XPROC  ;  ;Check for selected Prescribers  I BPRESC'=0 D I BPSTOP=0 G XPROC  . S BPSTOP=0  . F I=1:1:$L(BPRESC,",")~~-1~~ I $$CKPRESC(BP59,$P(BPRESC,",",I)) S BPSTOP=1 Q  ;  ;Check for selected Patients  I BPQSTPAT'=0,$G(BPPAT)'="" D I BPSTOP=0 G XPROC  . S BPSTOP=0  . F I=1:1:$L(BPPAT,",") I $P(BPPAT,",",I)=$$GET1^DIQ(9002313.59,BP59,5,"I") S BPSTOP=1 Q  ;  ; Check for Billed Amount  I $G(BPBILL)'=0 S BPBILLED=$$GET1^DIQ(9002313.59,BP59,505) I (BPBILLED<BPMIN)!(BPBILLED>BPMAX) G XPROC  ;  ;Check Open/Closed claim  I BPOPCL'=0,((BPOPCL=2)&($$CLOSED02^BPSSCR03($P(^BPST(BP59,0),U,4))=1))!((BPOPCL=1)&($$CLOSED02^BPSSCR03($P(^BPST(BP59,0),U,4))'=1)) G XPROC  ;  ;Save Entry for Report  D SETTMP^BPSRPT2(BPGLTMP,BPDFN,BPRX,BPREF,BP59,BPBEGDT,BPENDDT,.BPPHARM,BPSUMDET,BPPLAN,BPRLSDT,BPPAYBL,BPREJ,BPRXDRG,$P(BPSTATUS,U))  ;  XPROC Q | | | | |