**MCCF EDI TAS US4947**

System Design Document



Department of Veterans Affairs

**February 2019**

Version 1.00

**User Story Name:** Non-billable TRI & CVA RXs - Display Ignore, Discontinue, Quit Prompt

**Rally ID:** US4947

**Epic Taxonomy:** Maintain Compliance

# Design – Summary

Currently, if a patient has only TRICARE eligibility and a primary insurance which is commercial, the system will not determine their eligibility to be TRICARE – it will be unable to determine the rate type.

After this change, a patient will be determined to be TRICARE if they have only TRICARE eligibility and they have TRICARE insurance, whether or not they have other insurance.

This enhancement will affect only the scenario described above. It will not modify the existing logic for determining the eligibility of a Veteran or a CHAMPVA patient.

List of Components:

* Routine: IBNCPDPU

# Design – Detail

| Subroutine Name | **RT^IBNCPDPU** | | | |
| --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify |  |  |
| Current Logic | | | | |
| RT(DFN,IBDT,IBINS,IBPTYP) ; returns rate type to use for bill  ; Input:  ; DFN - patient ien  ; IBDT - date of service  ; IBINS - insurance array (pass by reference)  ;  ; Output:  ; 3 piece string in the following format  ; [1] rate type ien  ; [2] Rate Type (Tort or Awp or Cost)  ; [3] Eligibility Basis (V=VETERAN, T=TRICARE, C=CHAMPVA)  ;  ; IBPTYP - patient type - optional output parameter (pass by reference)  ; - this is only used by the PRO option (see IBNCPDP1)  ; - (V=VETERAN, T=TRICARE, C=CHAMPVA)  ; - NOT the same thing as [3] of this function  ;  N VAEL,VAERR,IBPT,IBRT,IBX,IBE,IBI,IBRET,IBRS  S IBPTYP=""  D ELIG^VADPT  ;  ; if primary elig is vet type, use reimbursable  S IBPT=$P($G(^DIC(8,+VAEL(1),0)),U,5) ; = N:NON-VETERAN;Y:VETERAN  I IBPT="Y" D Q IBRT\_U\_$S($G(IBRET)="VA COST":"C^V",1:"T^V") ; IB\*2\*437 modifications  . S IBRT=$O(^DGCR(399.3,"B","REIMBURSABLE INS.",0))  . S IBRT=$S(IBRT:IBRT,1:8)  . I $G(IBDT) S IBRET=$P($$EVNTITM^IBCRU3(IBRT,3,"PRESCRIPTION FILL",IBDT,.IBRS),";",1)  . Q  ;  ; ia #'s 427 & 2516 for references to ^DIC(8 and ^DIC(8.1  ;  ; - determine eligibilities - build the IBE array  S IBE=$P($G(^DIC(8.1,+$P($G(^DIC(8,+VAEL(1),0)),U,9),0)),U,1),IBE($S(IBE="TRICARE"!(IBE="SHARING AGREEMENT"):"T",IBE="CHAMP  VA":"C",1:"O"))="" ; primary pt eligibility  ; IB\*2\*452 - for CHAMPVA, CHAMPVA must be primary eligibility only - not among secondary eligibilities  S IBX=0 F S IBX=$O(VAEL(1,IBX)) Q:'IBX S IBE=$P($G(^DIC(8.1,+$P($G(^DIC(8,+VAEL(1,IBX),0)),U,9),0)),U,1) S IBE($S(IBE="TR  ICARE"!(IBE="SHARING AGREEMENT"):"T",1:"O"))="" ; secondary pt eligibilities  ;  ; set patient type parameter  I $G(VAEL(4)) S IBPTYP="V" ; veteran without any pt. eligibilities defined  I $D(IBE("T")) S IBPTYP="T" ; TRICARE  I $D(IBE("C")) S IBPTYP="C" ; CHAMPVA  ;  ; - determine insurance policies - build the IBI array  S IBX=0 F S IBX=$O(IBINS(IBX)) Q:'IBX S IBI=$P($G(^IBE(355.1,+$P($G(IBINS(IBX,355.3)),U,9),0)),U,1) S IBI($S(IBI="TRICARE  ":"T",IBI="CHAMPVA":"C",1:"O"))=""  ;  ; - if patient is only TRICARE elig and only TRICARE ins bill for TRICARE  I $D(IBE("T")),'$D(IBE("O")),'$D(IBE("C")),$D(IBI("T")),'$D(IBI("O")),'$D(IBI("C")) S IBRT=$O(^DGCR(399.3,"B","TRICARE",0)) Q:IBRT IBRT\_"^C^T"  ;  ; IB\*2\*452 - check for CHAMPVA  I $D(IBE("C")),$D(IBI("C")) S IBRT=$O(^DGCR(399.3,"B","CHAMPVA",0)) Q:IBRT IBRT\_"^C^C"  ;  Q $S($D(IBRT):IBRT,1:"0^unable to determine rate type") | | | | |
| Modified Logic (Changes are highlighted) | | | | |
| RT(DFN,IBDT,IBINS,IBPTYP) ; returns rate type to use for bill  ; Input:  ; DFN - patient ien  ; IBDT - date of service  ; IBINS - insurance array (pass by reference)  ;  ; Output:  ; 3 piece string in the following format  ; [1] rate type ien  ; [2] Rate Type (Tort or Awp or Cost)  ; [3] Eligibility Basis (V=VETERAN, T=TRICARE, C=CHAMPVA)  ;  ; IBPTYP - patient type - optional output parameter (pass by reference)  ; - this is only used by the PRO option (see IBNCPDP1)  ; - (V=VETERAN, T=TRICARE, C=CHAMPVA)  ; - NOT the same thing as [3] of this function  ;  N VAEL,VAERR,IBPT,IBRT,IBX,IBE,IBI,IBRET,IBRS  S IBPTYP=""  D ELIG^VADPT  ;  ; if primary elig is vet type, use reimbursable  S IBPT=$P($G(^DIC(8,+VAEL(1),0)),U,5) ; = N:NON-VETERAN;Y:VETERAN  I IBPT="Y" D Q IBRT\_U\_$S($G(IBRET)="VA COST":"C^V",1:"T^V") ; IB\*2\*437 modifications  . S IBRT=$O(^DGCR(399.3,"B","REIMBURSABLE INS.",0))  . S IBRT=$S(IBRT:IBRT,1:8)  . I $G(IBDT) S IBRET=$P($$EVNTITM^IBCRU3(IBRT,3,"PRESCRIPTION FILL",IBDT,.IBRS),";",1)  . Q  ;  ; ia #'s 427 & 2516 for references to ^DIC(8 and ^DIC(8.1  ;  ; - determine eligibilities - build the IBE array  S IBE=$P($G(^DIC(8.1,+$P($G(^DIC(8,+VAEL(1),0)),U,9),0)),U,1),IBE($S(IBE="TRICARE"!(IBE="SHARING AGREEMENT"):"T",IBE="CHAMP  VA":"C",1:"O"))="" ; primary pt eligibility  ; IB\*2\*452 - for CHAMPVA, CHAMPVA must be primary eligibility only - not among secondary eligibilities  S IBX=0 F S IBX=$O(VAEL(1,IBX)) Q:'IBX S IBE=$P($G(^DIC(8.1,+$P($G(^DIC(8,+VAEL(1,IBX),0)),U,9),0)),U,1) S IBE($S(IBE="TR  ICARE"!(IBE="SHARING AGREEMENT"):"T",1:"O"))="" ; secondary pt eligibilities  ;  ; set patient type parameter  I $G(VAEL(4)) S IBPTYP="V" ; veteran without any pt. eligibilities defined  I $D(IBE("T")) S IBPTYP="T" ; TRICARE  I $D(IBE("C")) S IBPTYP="C" ; CHAMPVA  ;  ; - determine insurance policies - build the IBI array  S IBX=0 F S IBX=$O(IBINS(IBX)) Q:'IBX S IBI=$P($G(^IBE(355.1,+$P($G(IBINS(IBX,355.3)),U,9),0)),U,1) S IBI($S(IBI="TRICARE  ":"T",IBI="CHAMPVA":"C",1:"O"))=""  ;  ; If patient is only TRICARE eligible, and has TRICARE insurance,  ; regardless of the presence of other insurance, set Eligibility to  ; TRICARE and Quit.  I $D(IBE("T")),'$D(IBE("O")),'$D(IBE("C")),$D(IBI("T"))~~,'$D(IBI("O")),'$D(IBI("C"))~~ S IBRT=$O(^DGCR(399.3,"B","TRICARE",0)) Q:IBRT IBRT\_"^C^T"  ;  ; IB\*2\*452 - check for CHAMPVA  I $D(IBE("C")),$D(IBI("C")) S IBRT=$O(^DGCR(399.3,"B","CHAMPVA",0)) Q:IBRT IBRT\_"^C^C"  ;  Q ~~$S($D(IBRT):IBRT,1:~~"0^unable to determine rate type"~~)~~ | | | | |