**MCCF EDI TAS USEB-11**

System Design Document

IB\*2.0\*576



Department of Veterans Affairs

**November 2016**

Version 1.0

**User Story Number:** USEB-11

**User Story Name:** eBilling Set Onset Date Appropriately

# Design/Resolution:

The resolution to this request is to create/modify the following routines accordingly:

* Create the New ^IBY576PO Post-Install Routine
* Modify the routine ^IBCF22

| **Routines** | **Activities** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Routine Name** | IBY576PO | | | | | | | | |
| **Enhancement Category** | New | | Modify | Delete | | | No Change | | |
| **RTM** |  | | | | | | | | |
| **Related Options** | None | | | | | | | | |
| **Related Routines** | **Routines “Called By”** | | | | | **Routines “Called”** | | | |
|  |  | | | | |  | | | |
| **Data Dictionary (DD) References** | IB ERROR File [#350.8] | | | | | | | | |
| **Related Protocols** | None | | | | | | | | |
| **Related Integration Control Registrations (ICRs)** | None | | | | | | | | |
| **Data Passing** | Input | Output Reference | | | Both | | | Global Reference | Local |
| **Input Attribute Name and Definition** | Name:  Definition: | | | | | | | | |
| **Output Attribute Name and Definition** | Name:  Definition: | | | | | | | | |
| **Current Logic** | | | | | | | | | |
| N/A | | | | | | | | | |
| **Modified Logic (Changes are in bold)** | | | | | | | | | |
| IBY576PO ;JRA - IB\*2\*576 POST-INSTALL ;09-NOV-2016  ;;2.0;INTEGRATED BILLING;\*\*576\*\*;09-NOV-16;Build 58  ;;Per VA Directive 6402, this routine should not be modified.  ;  ;  S IBA(2)="IB\*2\*576 Post-Install...",(IBA(1),IBA(3))=" " D MES^XPDUTL(.IBA) K IBA  D UPDERR  S IBA(2)="IB\*2\*576 Post-Install Complete.",(IBA(1),IBA(3))=" " D MES^XPDUTL(.IBA) K IBA  Q  ;  UPDERR ; Update existing error code message for 350.8  N IBCODE,IBMESN,IBIEN,DIE,DIC,DA,DR,X,Y  S IBCODE="IB099",IBMESN="Occ. Codes Onset of Illness (11) and LMP (10) not allowed on same bill."  S IBIEN=$O(^IBE(350.8,"C",IBCODE,0)) I 'IBIEN D CREATE Q  ;  S DIE="^IBE(350.8,",DA=IBIEN,DR=".02////"\_IBMESN D ^DIE K DIE,DIC,DA,DR  D MES^XPDUTL(">> Updated IB ERROR Code 'IB099' in D350.8 <<")  Q  ;  CREATE ;Create entry for 'IB099' in D350.8 if not there  N Y,IBIEN,FNUM,IEN,NODE0,VAL,PCE3  S DIC="^IBE(350.8,",DIC(0)="",X="IB099" D FILE^DICN K DIC,X  I Y=-1 D MES^XPDUTL(">> IB ERROR - Entry 'IB099' not found in D350.8 and unable to create <<") Q  S IBIEN=+Y  S DIE="^IBE(350.8,",DA=IBIEN,DR=".02////"\_IBMESN D ^DIE K DIE,DIC,DA,DR  S DIE="^IBE(350.8,",DA=IBIEN,DR=".03////IB099" D ^DIE K DIE,DIC,DA,DR  S FNUM(1)=$O(^DD(350.8,"B","PACKAGE REPORTING ERROR",""))  S FNUM(2)=$O(^DD(350.8,"B","ERROR ACTION",""))  F I=1,2 I FNUM(I)]"" D  . S NODE0P3=$P($G(^DD(350.8,FNUM(I),0)),"^",3) Q:NODE0P3=""  . F II=1:1 S VAL=$P(NODE0P3,";",II) Q:VAL="" D  . . Q:(VAL'["INTEGRATED BILLING"&(VAL'["EDIT FILE"))  . . S IEN=+$P(VAL,":") Q:'IEN  . . S DIE="^IBE(350.8,",DA=IBIEN,DR=FNUM(I)\_"////"\_IEN D ^DIE K DIE,DIC,DA,DR  D MES^XPDUTL(">> Created IB ERROR Code 'IB099' in D350.8 <<")  Q:(FNUM(1)&FNUM(2))  S MSG="Unable to set field"\_$S((FNUM(1)=""&(FNUM(2)="")):"s .04 and .05",FNUM(1)="":" .04",1:" .05")  D MES^XPDUTL("\*\* WARNING: "\_MSG\_" \*\*")  Q  ; | | | | | | | | | |

| **Routines** | **Activities** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Routine Name** | IBCF22 | | | | | | | | |
| **Enhancement Category** | New | | Modify | Delete | | | No Change | | |
| **RTM** |  | | | | | | | | |
| **Related Options** | None | | | | | | | | |
| **Related Routines** | **Routines “Called By”** | | | | | **Routines “Called”** | | | |
|  |  | | | | |  | | | |
| **Data Dictionary (DD) References** | None | | | | | | | | |
| **Related Protocols** | None | | | | | | | | |
| **Related Integration Control Registrations (ICRs)** | None | | | | | | | | |
| **Data Passing** | Input | Output Reference | | | Both | | | Global Reference | Local |
| **Input Attribute Name and Definition** | Name:  Definition: | | | | | | | | |
| **Output Attribute Name and Definition** | Name:  Definition: | | | | | | | | |
| **Current Logic** | | | | | | | | | |
| IBCF22 ;ALB/ARH - HCFA 1500 19-90 DATA (gather other data) ;12-JUN-93  ;;2.0;INTEGRATED BILLING;\*\*52,80,122,51,210,488\*\*;21-MAR-94;Build 184  ;;Per VHA Directive 10-93-142, this routine should not be modified.  ;  ; requires DFN, IBIFN, IB(0)  F IBI="C","U","U1","U2","UF2" S IB(IBI)=$G(^DGCR(399,IBIFN,IBI))  S IBFLD(12)="PUBLIC LAW 99-272/SECTION 1729 TITLE 38"  S IBFLD(13)="PUBLIC LAW 99-272"  DATES ;S IBFLD(14)=$$DATE($$EVENT(IBIFN))  ;I $G(IBFLD(15))="",IBIFN'=$P(IB(0),U,17) S IBFLD(15)=$$DATE($P($G(^DGCR(399,+$P(IB(0),U,17),0)),U,3))  ;The following sets up the dates and qualifiers for the dates in boxes 14 & 15 \*488\*  S IBFLD(14)=$$QUAL(IBIFN,14),IBFLD(14.1)=$P(IBFLD(14),U,2)  S IBFLD(14)=$$DATE($P(IBFLD(14),U,1))  S IBFLD(15)=$$QUAL(IBIFN,15),IBFLD(15.1)=$P(IBFLD(15),U,2)  S IBFLD(15)=$$DATE($P(IBFLD(15),U,1))  S IBFLD("16A")=$$DATE($P(IB("U"),U,16)),IBFLD("16B")=$$DATE($P(IB("U"),U,17))  S:$$NEEDMRA^IBEFUNC(IBIFN) IBFLD(17)="Dept. Of Veterans Affairs"  I $P(IB(0),U,5)<3 S IBFLD("18A")=$$DATE($P(IB("U"),U,1)),IBFLD("18B")=$$DATE($P(IB("U"),U,2))  I $P(IB(0),U,5)>2 S VAINDT=$P(IB(0),U,3) D INP^VADPT I +VAIN(1) D  . S IBFLD("18A")=$$DATE(VAIN(7)),IBFLD("18B")=$$DATE(+$G(^DGPM(+$P($G(^DGPM(+VAIN(1),0)),U,17),0)))  K VAINDT,VAIN  ;S IBFLD(19)="THE UNDERSIGNED CERTIFIES TREATMENT IS NOT FOR A SERVICE-CONNECTED CONDITION" \*488\*  S IBFLD(20)=0  ;  DX ;S X=14 F IBI="21A","21B","21C","21D" S IBFLD(IBI)=$P($G(^ICD9(+$P(IB("C"),U,X),0)),U,1),X=X+1  ;F IBI="21A","21B","21C","21D" S IBFLD(IBI)=""  ;N IBINDXX D SET^IBCSC4D(IBIFN,"",.IBINDXX) S X=0,Y="21@" D  ;. F S X=$O(IBINDXX(X)) Q:'X S Y=$O(IBFLD(Y)) Q:+Y'=21 S IBFLD(Y)=$P($G(^ICD9(+IBINDXX(X),0)),U,1)  ; \*488\* changes 4 to 12 for the number of ICD codes  N IBDXX,IBPOX  D SET^IBCSC4D(IBIFN,.IBDXX,.IBPOX)  S X=0 F IBI=1:1:12 S IBFLD(21,IBI)="" I IBI'>$P(IBPOX,U,2) D  . S X=$O(IBPOX(X)) Q:X=""  . S IBFLD(21,IBI)=$P($$ICD9^IBACSV(+IBPOX(X)),U)  . S IBDXI(+$G(IBDXX(+IBPOX(X))))=IBI  S IBFLD("21A")=9 ; NEED TO ADD CODE TO DETERMIN IF ICD10 CODES USED WHEN  ; ICD10 PROJECT GOES LIVE ->BAA \*488\*  S IBFLD(23)=$P(IB("U"),U,13)  ;  D ^IBCF23 ; block 24  ;  S IBFLD(25)=$P($G(^IBE(350.9,1,1)),U,5)  S IBFLD(26)=$$BN1^PRCAFN(IBIFN)  S IBFLD(28)=+IB("U1")  S IBFLD(29)=+$P(IB("U1"),U,2)  S IBFLD(30)=IBFLD(28)-IBFLD(29)  LAST3 S IBFLD(31)=$G(^DGCR(399,IBIFN,"UF2")) ;assuming there are 3 available lines  S X=+$P($G(^IBE(350.9,1,0)),U,2),Y=$G(^DIC(4,X,0)),IBI=1 I Y'="" D  . S IBFLD(32,1)=$P(Y,U,1),IBX=+$P(Y,U,2),Y=$G(^DIC(4,X,1))  . S IBFLD(32,2)=$P(Y,U,1) I $P(Y,U,2)'="" S IBFLD(32,2)=IBFLD(32,2)\_", "\_$P(Y,U,2)  . S IBFLD(32,3)=$P(Y,U,3),IBFLD(32,"X")=$$STATE^IBCF2(IBX)\_" "\_$P(Y,U,4)  S X=$G(^IBE(350.9,1,2))  S IBFLD(33,1)=$P(X,U,1),IBFLD(33,2)=$P(X,U,2)  S IBFLD(33,3)=$P(X,U,3),IBFLD(33,"X")=$$STATE^IBCF2($P(X,U,4))\_" "\_$P(X,U,5)  S IBFLD(33,4)=$P(X,U,6)  ;  END Q  ;  EVENT(IBIFN,IBXSAVE,IBERR,IBD) ; The event date for box 14 on the  ; HCFA 1500  ; IBIFN = bill ien  ; IBXSAVE = the array returned by the output formatter for data element  ; N-OCCURRENCE CODES  ; Returns IBERR=1 if passed by reference meaning more than one condition  ; has been found  ; IBD("LMP"), IBD("ACC"), IBD("ONS"), IBD("EVT") returned with  ; Last menstrual period date, accident date, date of onset,  ; event date if IBD passed by reference  ; Function returns the appropriate date  ;  N Z,Z0,IBX,IBF,A  ;  ; Default if no applicable occurrence codes found is event date on bill  S IBX=$P($G(^DGCR(399,IBIFN,0)),U,3),IBF=0 S IBD("EVT")=IBX  ;  I '$D(IBXSAVE("OCC")) D F^IBCEF("N-OCCURRENCE CODES",,,IBIFN)  S Z=0 F S Z=$O(IBXSAVE("OCC",Z)) Q:'Z S Z0(+IBXSAVE("OCC",Z))=$P(IBXSAVE("OCC",Z),U,2)  I $O(Z0(5.99),-1) D  . S A=$O(Z0(5.99),-1),IBF=IBF+1 ;Accident codes 1-5  . S IBD("ACC")=Z0(A) S:IBF'>1 IBX=Z0(A)  I $D(Z0(10)) S IBF=IBF+1,IBD("LMP")=IBX S:IBF'>1 IBX=Z0(10) ;Last Menstrual period  I $D(Z0(11)) S (IBD("ONS"),IBX)=Z0(11),IBF=IBF+1 ;Onset of Illness  ;  S IBERR=(IBF>1)  Q IBX  ;  DATE(X) ; format date(X) as MM DD YYYY  Q $$DATE^IBCF2(X,1)  ;  ; below are changes for \*488\*  QUAL(IBIFN,IBXBOX,IBXSAVE,IBD) ; The event date for box 14 & box 15 on the  ; HCFA 1500  ; IBIFN = bill ien  ; IBXBOX = BOX 14 OR BOX 15 of CMS-1500 form  ; IBXSAVE = the array returned by the output formatter for data element  ; N-OCCURRENCE CODES  ;  ; IBD("LMP"), IBD("ACC"), IBD("ONS"), IBD("EVT") returned with  ; Last menstrual period date, accident date, date of onset,  ; event date if IBD passed by reference  ; Function returns the appropriate date  ;  N Z,Z0,IBX,IBF,A  ;  I '$D(IBXSAVE("OCC")) D F^IBCEF("N-OCCURRENCE CODES",,,IBIFN)  S Z=0 F S Z=$O(IBXSAVE("OCC",Z)) Q:'Z S Z0(+IBXSAVE("OCC",Z))=$P(IBXSAVE("OCC",Z),U,2)  ;  S IBX=""  I IBXBOX=14 D  .; Default if no applicable occurrence codes found is event date on bill  . S IBX=$P($G(^DGCR(399,IBIFN,0)),U,3)\_U\_431,IBF=0 S IBD("EVT")=IBX  . I $D(Z0(11)) S (IBD("ONS"),IBX)=Z0(11),IBF=IBF+1,IBX=IBX\_U\_431 ;Onset of Illness  . I $D(Z0(10)) S IBF=IBF+1,IBD("LMP")=IBX S:IBF'>1 IBX=Z0(10)\_U\_484 ;Last Menstrual period  ;  I IBXBOX=15 D  .S IBX=""  .D ACC I IBX'="" Q  .D LXRY I IBX'="" Q  .D AMCC I IBX'="" Q  .D SCPT I IBX'="" Q  .D INTTRT I IBX'="" Q  .D LVC  ;  Q IBX  ;  ACC ;Accident - 439  N IBF  S IBF=0  I $O(Z0(5.99),-1) D  . S A=$O(Z0(5.99),-1),IBF=IBF+1 ;Accident codes 1-5  . S IBD("ACC")=Z0(A) S:IBF'>1 IBX=Z0(A)  . I IBX'="" S IBX=IBX\_U\_"439"  Q  ;  LXRY ; Last X-Ray - 455  S IBX=$P($G(^DGCR(399,IBIFN,"U3")),U,4)  I IBX'="" S IBX=IBX\_U\_"455",IBD("AMC")=IBX  ;  SCPT ; Prescription - 471  N IBRX,RXNM,RXDT  D SET^IBCSC5A(IBIFN,.IBRX)  I 'IBRX Q  S RXNM=$O(IBRX(""))  I RXNM="" Q  S RXDT=$O(IBRX(RXNM,""))  I RXDT="" Q  S IBX=RXDT\_U\_"471"  Q  ;  LVC ;Latest Visit or Consultation - 304  S IBXDATA=""  D F^IBCEF("N-DATE LAST SEEN",,,IBIFN)  I IBXDATA'="" S IBD("LVC")=IBXDATA,IBX=IBXDATA\_U\_"304"  Q  ;  INTTRT ;Initial Treatment - 454  S IBX=$P($G(^DGCR(399,IBIFN,"U3")),U,5)  I IBX'="" S IBX=IBX\_U\_"454",IBD("INT")=IBX  Q  ;  AMCC ;Acute Manifestation of Chronic Condition - 453  S IBX=$P($G(^DGCR(399,IBIFN,"U3")),U,6)  I IBX'="" S IBX=IBX\_U\_"453",IBD("AMC")=IBX  Q  ; | | | | | | | | | |
| **Modified Logic (Changes are in bold)** | | | | | | | | | |
| IBCF22 ;ALB/ARH - HCFA 1500 19-90 DATA (gather other data) ;12-JUN-93  ;;2.0;INTEGRATED BILLING;\*\*52,80,122,51,210,488\*\*;21-MAR-94;Build 184  ;;Per VHA Directive 10-93-142, this routine should not be modified.  ;  ;JRA IB\*2\*576 Stop automatically defaulting the date of service as the onset date versus the actual  ; date that the current illness or symptom first appeared (if no such actual date then leave blank).  ;  ; requires DFN, IBIFN, IB(0)  F IBI="C","U","U1","U2","UF2" S IB(IBI)=$G(^DGCR(399,IBIFN,IBI))  S IBFLD(12)="PUBLIC LAW 99-272/SECTION 1729 TITLE 38"  S IBFLD(13)="PUBLIC LAW 99-272"  DATES ;S IBFLD(14)=$$DATE($$EVENT(IBIFN))  ;I $G(IBFLD(15))="",IBIFN'=$P(IB(0),U,17) S IBFLD(15)=$$DATE($P($G(^DGCR(399,+$P(IB(0),U,17),0)),U,3))  ;The following sets up the dates and qualifiers for the dates in boxes 14 & 15 \*488\*  S IBFLD(14)=$$QUAL(IBIFN,14),IBFLD(14.1)=$P(IBFLD(14),U,2)  S IBFLD(14)=$$DATE($P(IBFLD(14),U,1))  S IBFLD(15)=$$QUAL(IBIFN,15),IBFLD(15.1)=$P(IBFLD(15),U,2)  S IBFLD(15)=$$DATE($P(IBFLD(15),U,1))  S IBFLD("16A")=$$DATE($P(IB("U"),U,16)),IBFLD("16B")=$$DATE($P(IB("U"),U,17))  S:$$NEEDMRA^IBEFUNC(IBIFN) IBFLD(17)="Dept. Of Veterans Affairs"  I $P(IB(0),U,5)<3 S IBFLD("18A")=$$DATE($P(IB("U"),U,1)),IBFLD("18B")=$$DATE($P(IB("U"),U,2))  I $P(IB(0),U,5)>2 S VAINDT=$P(IB(0),U,3) D INP^VADPT I +VAIN(1) D  . S IBFLD("18A")=$$DATE(VAIN(7)),IBFLD("18B")=$$DATE(+$G(^DGPM(+$P($G(^DGPM(+VAIN(1),0)),U,17),0)))  K VAINDT,VAIN  ;S IBFLD(19)="THE UNDERSIGNED CERTIFIES TREATMENT IS NOT FOR A SERVICE-CONNECTED CONDITION" \*488\*  S IBFLD(20)=0  ;  DX ;S X=14 F IBI="21A","21B","21C","21D" S IBFLD(IBI)=$P($G(^ICD9(+$P(IB("C"),U,X),0)),U,1),X=X+1  ;F IBI="21A","21B","21C","21D" S IBFLD(IBI)=""  ;N IBINDXX D SET^IBCSC4D(IBIFN,"",.IBINDXX) S X=0,Y="21@" D  ;. F S X=$O(IBINDXX(X)) Q:'X S Y=$O(IBFLD(Y)) Q:+Y'=21 S IBFLD(Y)=$P($G(^ICD9(+IBINDXX(X),0)),U,1)  ; \*488\* changes 4 to 12 for the number of ICD codes  N IBDXX,IBPOX  D SET^IBCSC4D(IBIFN,.IBDXX,.IBPOX)  S X=0 F IBI=1:1:12 S IBFLD(21,IBI)="" I IBI'>$P(IBPOX,U,2) D  . S X=$O(IBPOX(X)) Q:X=""  . S IBFLD(21,IBI)=$P($$ICD9^IBACSV(+IBPOX(X)),U)  . S IBDXI(+$G(IBDXX(+IBPOX(X))))=IBI  S IBFLD("21A")=9 ; NEED TO ADD CODE TO DETERMIN IF ICD10 CODES USED WHEN  ; ICD10 PROJECT GOES LIVE ->BAA \*488\*  S IBFLD(23)=$P(IB("U"),U,13)  ;  D ^IBCF23 ; block 24  ;  S IBFLD(25)=$P($G(^IBE(350.9,1,1)),U,5)  S IBFLD(26)=$$BN1^PRCAFN(IBIFN)  S IBFLD(28)=+IB("U1")  S IBFLD(29)=+$P(IB("U1"),U,2)  S IBFLD(30)=IBFLD(28)-IBFLD(29)  LAST3 S IBFLD(31)=$G(^DGCR(399,IBIFN,"UF2")) ;assuming there are 3 available lines  S X=+$P($G(^IBE(350.9,1,0)),U,2),Y=$G(^DIC(4,X,0)),IBI=1 I Y'="" D  . S IBFLD(32,1)=$P(Y,U,1),IBX=+$P(Y,U,2),Y=$G(^DIC(4,X,1))  . S IBFLD(32,2)=$P(Y,U,1) I $P(Y,U,2)'="" S IBFLD(32,2)=IBFLD(32,2)\_", "\_$P(Y,U,2)  . S IBFLD(32,3)=$P(Y,U,3),IBFLD(32,"X")=$$STATE^IBCF2(IBX)\_" "\_$P(Y,U,4)  S X=$G(^IBE(350.9,1,2))  S IBFLD(33,1)=$P(X,U,1),IBFLD(33,2)=$P(X,U,2)  S IBFLD(33,3)=$P(X,U,3),IBFLD(33,"X")=$$STATE^IBCF2($P(X,U,4))\_" "\_$P(X,U,5)  S IBFLD(33,4)=$P(X,U,6)  ;  END Q  ;  EVENT(IBIFN,IBXSAVE,IBERR,IBD) ; The event date for box 14 on the  ; HCFA 1500  ; IBIFN = bill ien  ; IBXSAVE = the array returned by the output formatter for data element  ; N-OCCURRENCE CODES  ; Returns IBERR=1 if passed by reference meaning more than one condition  ; has been found  ; IBD("LMP"), IBD("ACC"), IBD("ONS"), IBD("EVT") returned with  ; Last menstrual period date, accident date, date of onset,  ; event date if IBD passed by reference  ; Function returns the appropriate date  ;  N Z,Z0,IBX,IBF,A  ;  ; Default if no applicable occurrence codes found is event date on bill  ;JRA IB\*2\*576 Default to '0' instead of Event Date  ;S IBX=$P($G(^DGCR(399,IBIFN,0)),U,3),IBF=0 S IBD("EVT")=IBX ;JRA IB\*2\*576 ';'  S IBX="",IBD("EVT")=$P($G(^DGCR(399,IBIFN,0)),U,3),IBF=0  ;  I '$D(IBXSAVE("OCC")) D F^IBCEF("N-OCCURRENCE CODES",,,IBIFN)  S Z=0 F S Z=$O(IBXSAVE("OCC",Z)) Q:'Z S Z0(+IBXSAVE("OCC",Z))=$P(IBXSAVE("OCC",Z),U,2)  ;JRA IB\*2\*576 Re-calculate Accident Codes, Last Menstrual Period, and Onset of Illness  I $O(Z0(5.99),-1) D  . ;S A=$O(Z0(5.99),-1),IBF=IBF+1 ;Accident codes 1-5 ;JRA IB\*2\*576 ';'  . ;S IBD("ACC")=Z0(A) S:IBF'>1 IBX=Z0(A) ;JRA IB\*2\*576 ';'  . S A=$O(Z0(5.99),-1) ;Accident codes 1-5 ;JRA IB\*2\*576  . S IBD("ACC")=Z0(A) ;JRA IB\*2\*576  ;I $D(Z0(10)) S IBF=IBF+1,IBD("LMP")=IBX S:IBF'>1 IBX=Z0(10) ;Last Menstrual period  ;I $D(Z0(11)) S (IBD("ONS"),IBX)=Z0(11),IBF=IBF+1 ;Onset of Illness ;JRA IB\*2\*576 ‘;’  I $D(Z0(10)) S IBF=IBF+1,(IBD("LMP"),IBX)=Z0(10) ;Last Menstrual period ;JRA IB\*2\*576  I $D(Z0(11)) S IBF=IBF+1,(IBD("ONS"),IBX)=Z0(11) ;Onset of Illness ;JRA IB\*2\*576  S IBERR=(IBF>1)  Q IBX  ;  DATE(X) ; format date(X) as MM DD YYYY  Q $$DATE^IBCF2(X,1)  ;  ; below are changes for \*488\*  QUAL(IBIFN,IBXBOX,IBXSAVE,IBD) ; The event date for box 14 & box 15 on the  ; HCFA 1500  ; IBIFN = bill ien  ; IBXBOX = BOX 14 OR BOX 15 of CMS-1500 form  ; IBXSAVE = the array returned by the output formatter for data element  ; N-OCCURRENCE CODES  ;  ; IBD("LMP"), IBD("ACC"), IBD("ONS"), IBD("EVT") returned with  ; Last menstrual period date, accident date, date of onset,  ; event date if IBD passed by reference  ; Function returns the appropriate date  ;  ;N Z,Z0,IBX,IBF,A ;JRA IB\*2\*576 ';'  N Z,Z0,IBX,A ;JRA IB\*2\*576  ;  I '$D(IBXSAVE("OCC")) D F^IBCEF("N-OCCURRENCE CODES",,,IBIFN)  S Z=0 F S Z=$O(IBXSAVE("OCC",Z)) Q:'Z S Z0(+IBXSAVE("OCC",Z))=$P(IBXSAVE("OCC",Z),U,2)  ;  S IBX=""  I IBXBOX=14 D  . ;Default if no applicable occurrence codes found is event date on bill  . ;JRA IB\*2\*576 Modify default values  . ;S IBX=$P($G(^DGCR(399,IBIFN,0)),U,3)\_U\_431,IBF=0 S IBD("EVT")=IBX ;JRA IB\*2\*576 ‘;’  . ;I $D(Z0(11)) S (IBD("ONS"),IBX)=Z0(11),IBF=IBF+1,IBX=IBX\_U\_431 ;Onset of Illness ;JRA IB\*2\*576 ‘;’  . ;I $D(Z0(10)) S IBF=IBF+1,IBD("LMP")=IBX S:IBF'>1 IBX=Z0(10)\_U\_484 ;Last Menstrual period ;JRA IB\*2\*576 ‘;’  . S IBD("EVT")=$P($G(^DGCR(399,IBIFN,0)),U,3)\_U\_431 ; JRA IB\*2\*576  . I $D(Z0(11)) S (IBD("ONS"),IBX)=Z0(11),IBX=IBX\_U\_431 Q ;Onset of Illness ; JRA IB\*2\*576  . I $D(Z0(10)) S (IBD("LMP"),IBX)=Z0(10),IBX=IBX\_U\_484 ;Last Menstrual period ; JRA IB\*2\*576  ;  I IBXBOX=15 D  .S IBX=""  .D ACC I IBX'="" Q  .D LXRY I IBX'="" Q  .D AMCC I IBX'="" Q  .D SCPT I IBX'="" Q  .D INTTRT I IBX'="" Q  .D LVC  ;  Q IBX  ;  ACC ;Accident - 439  N IBF  S IBF=0  I $O(Z0(5.99),-1) D  . S A=$O(Z0(5.99),-1),IBF=IBF+1 ;Accident codes 1-5  . S IBD("ACC")=Z0(A) S:IBF'>1 IBX=Z0(A)  . I IBX'="" S IBX=IBX\_U\_"439"  Q  ;  LXRY ; Last X-Ray - 455  S IBX=$P($G(^DGCR(399,IBIFN,"U3")),U,4)  I IBX'="" S IBX=IBX\_U\_"455",IBD("AMC")=IBX  ;  SCPT ; Prescription - 471  N IBRX,RXNM,RXDT  D SET^IBCSC5A(IBIFN,.IBRX)  I 'IBRX Q  S RXNM=$O(IBRX(""))  I RXNM="" Q  S RXDT=$O(IBRX(RXNM,""))  I RXDT="" Q  S IBX=RXDT\_U\_"471"  Q  ;  LVC ;Latest Visit or Consultation - 304  S IBXDATA=""  D F^IBCEF("N-DATE LAST SEEN",,,IBIFN)  I IBXDATA'="" S IBD("LVC")=IBXDATA,IBX=IBXDATA\_U\_"304"  Q  ;  INTTRT ;Initial Treatment - 454  S IBX=$P($G(^DGCR(399,IBIFN,"U3")),U,5)  I IBX'="" S IBX=IBX\_U\_"454",IBD("INT")=IBX  Q  ;  AMCC ;Acute Manifestation of Chronic Condition - 453  S IBX=$P($G(^DGCR(399,IBIFN,"U3")),U,6)  I IBX'="" S IBX=IBX\_U\_"453",IBD("AMC")=IBX  Q  ; | | | | | | | | | |