```
Option Explicit
Private Const MODULE_NAME = "modPCC"
Public Enum atAssociationTypes
 atICDDiagnosis
 atICDProcedure
 atCPT
 atSkinTest
 atExam
 atCPTModifier
 atHealthFactor
 atImmunization
 atEducation
 atTransCode
End Enum
Public Function AddProcedure(sCptIen As String, sNarrative As String,
 Optional sQty As String, Optional sMod1 As String, Optional sMod2 As String,
 Optional sPrincipal As String) As String
 On Error GoTo errHandle
 Dim sParam As String
 If Not oEncounter.Prepare(ofNotLocked Or ofForceVisit Or ofValidateOnly) Then
   ShowError TX_NO_ACTIVE_VISIT, TC_NO_ACTIVE_VISIT
   AddProcedure = "-1"
   Exit Function
 End If
 ' Visit IEN [1] ^ CPT IEN [2] ^ Patient IEN [3] ^ Event Date [4] ^ Quantity [5] ^
 ' Diagnosis [6] ^ Modifier #1 [7] ^ Provider IEN [8] ^ Principal [9] ^ V File IEN [10] ^
 ' Narrative [11] ^ Modifier #2 [12] ^ Location IEN [13] ^ Outside Location [14] ^
  ' Historical [15] ^ ICD Procedure Flag [16] ^ No Dups [17]
                                          ' Visit IEN
 sParam = oEncounter.Handle
 sParam = sParam & U & sCptIen
                                          ' CPT IEN
                                        ' Patient IEN
 sParam = sParam & U & oPatient.Handle
 sParam = sParam & U & ""
                                          ' Event Date
                                          ' Quantity
 sParam = sParam & U & sQty
                                         ' Diagnosis
 sParam = sParam & U & ""
                                          ' Mod 1
 sParam = sParam & U & sMod1
                                         ' Provider IEN
 sParam = sParam & U & oUser.Handle
                                          ' Principal
 sParam = sParam & U & sPrincipal
                                          ' VCPT IEN
 sParam = sParam & U & ""
                                         ' Narrative
 sParam = sParam & U & sNarrative
                                          ' Mod 2
 sParam = sParam & U & sMod2
 AddProcedure = CallRPCStr("BGOVCPT SET", sParam)
 Exit Function
errHandle:
 ErrorTrap MODULE_NAME, "AddProcedure"
End Function
Public Function DeleteProcedure(VFIEN As String) As Boolean
 On Error GoTo errHandle
 Dim sRpc As String
 sRpc = CallRPCStr("BGOVCPT DEL", VFIEN & U & "CPT")
 DeleteProcedure = Not ErrorCheck(sRpc)
 Exit Function
errHandle:
 ErrorTrap MODULE_NAME, "DeleteProcedure"
End Function
Public Function AddProvider(ProvIEN As Long, Primary As Boolean, Optional ForcePrimary As Boolean) As
String
Dim sParam As String
 sParam = CStr(oEncounter.Handle) & U & CStr(oPatient.Handle) & U & CStr(ProvIEN) & U & IIf(Primary,
"P", "S") & U & IIf(ForcePrimary, "1", "")
AddProvider = CallRPCStr("BGOVPRV SETVPRV", sParam)
```

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End Function
Public Function AddPOV(ICDIEN As String, Narrative As String, Optional Onset As String) As String
 Dim sParam As String, sRpc As String
 If Not oEncounter.Prepare(ofNotLocked Or ofForceVisit Or ofValidateOnly) Then
   ShowError TX NO ACTIVE VISIT, TC NO ACTIVE VISIT
   AddPOV = "-1"
   Exit Function
 End If
 ' VPOV IEN [1] ^ Visit IEN [2] ^ ICD Code IEN [3] ^ Patient IEN [4] ^ Narrative [5] ^
  ' Stage [6] ^ Modifier [7] ^ Cause Dx [8] ^ First/Revisit [9] ^ Injury E-Code [10] '
  ' Injury Place [11] ^ Primary/Secondary [12] ^ Injury Date [13] ^ Onset Date [14]
  ' Provider IEN [15]
 sParam = U & oEncounter.Handle & U & "`" & ICDIEN & U & oPatient.Handle & U
   & Narrative & "^^^^^" & Onset & U & oEncounter.Provider
 sRpc = CallRPCStr("BGOVPOV SET", sParam)
 If ErrorCode(sRpc) = 0 Then
   sRpc = AddProvider(oUser.Handle, True)
   If ErrorCode(sRpc) = 1098 Then
     If Confirm(Piece(sRpc, U, 2) & vbCrLf & "Are you the primary provider for this visit?", "Change
Primary Provider?") Then
       sRpc = AddProvider(oUser.Handle, True, True)
       sRpc = ""
     End If
   End If
 End If
 AddPOV = sRpc
End Function
Public Function DeletePOV(sVisitIEN As String, sPOVIEN As String, sICDIEN As String) As Boolean
 On Error GoTo errHandle
 Dim sRpc As String, b As Boolean
 DeletePOV = False
 If Not CheckSecurity Then Exit Function
 If Not Confirm("Are you sure you want to delete the purpose of visit?", "Remove POV?") Then Exit Fun
ction
 sRpc = CallRPCStr("BGOVPOV DEL", sPOVIEN)
 If ErrorCheck(sRpc) Then Exit Function
 DeletePOV = True
 DeletePatientEd sVisitIEN, sICDIEN
 Exit Function
errHandle:
 ErrorTrap MODULE_NAME, "DeletePOV"
End Function
Public Sub DeletePatientEd(VisitIEN As String, ICDIEN As String)
 On Error GoTo errHandle
 Dim sRpc As String, sPPrvIEN As String
 Dim sVPEDIEN As String, sPrvIEN As String
 Dim i As Integer, Count As Integer, s As String, v() As String
 sRpc = CallRPCList("BGOVPED GET", oPatient.Handle & U & VisitIEN)
 If sRpc = "" Or ErrorCheck(sRpc) Then Exit Sub
 v = Split(sRpc, vbCrLf)
 sPPrvIEN = Piece(CallRPCStr("BGOVPRV PRIPRV", VisitIEN), U)
 sPrvIEN = CStr(oUser.Handle)
 ' Topic Name [1] ^ Visit Date [2] ^ Level [3] ^ Provider Name [4] ^ Group/Individual [5] ^
  Length [6] ^ CPT [7] ^ Comment [8] ^ Topic Category [9] ^ Behavior [10] ^ Objective Met [11] ^
 ' Visit Locked [12] ^ Location Name [13] ^ VFile IEN [14] ^ Visit IEN [15] ^ Topic IEN [16]
  Location IEN [17] ^ Provider IEN [18] ^ Visit Category [19] ^ ICD9 [20] ^ Comments [21]
  ' ICD9 IEN [22] ^ CPT IEN [23]
```

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'e.g.,
 ' CONGESTIVE HRT FAILURE UNSPEC-ANATOMY AND PHYSIOLOGY^12/06/2006^GOOD^USER,POWER^Individual^5^^^ANA
TOMY AND PHYSIOLOGY^GOAL MET^goal was met!^0^^21106^2020430^3262^^2779^A^CONGESTIVE HRT FAILURE UNSPEC
^this is the goal set goal was met! | ^9061^
 Count = 0
 s = vbCrLf
 For i = 0 To UBound(v) - 1
   If Piece(v(i), U, 22) = ICDIEN And (Piece(v(i), U, 18) = sPrvIEN) Or sPPrvIEN = sPrvIEN) Then
     Count = Count + 1
     s = s \& vbCrLf \& "--> " \& Piece(v(i), U)
     v(i) = ""
   End If
 Next i
 If Count = 0 Then Exit Sub
 If Not Confirm("Do you also want to delete the following related education event" _
   & IIf(Count = 1, "?", "s?") & s, "Remove Education Events?") Then Exit Sub
 For i = 0 To UBound(v) - 1
   If v(i) \iff "" Then
     sRpc = CallRPCStr("BGOVPED DEL", Piece(v(i), U, 14))
     ErrorCheck sRpc
   End If
 Next i
 Exit Sub
errHandle:
 ErrorTrap MODULE_NAME, "DeletePatientEd"
Public Function AddProblem(sICDIEN As String, sNarrative As String, Optional sOnset As String) As Stri
nq
 On Error GoTo errHandle
 Dim sParam As String, sRpc As String
 If sOnset = "" Then sOnset = Piece(oSession.HostDateTime, " ")
 ' ICD IEN or Code [1] ^ Narrative [2] ^ Location IEN [3] ^ Date of Onset [4] ^ Class [5] ^
 ' Status [6] ^ Patient IEN [7] ^ Problem IEN [8] ^ Problem # [9]
 sParam = sICDIEN
                                           ' ICD IEN
                                          ' Narrative
 sParam = sParam & U & sNarrative
 sParam = sParam & U & oSite.Handle
                                          ' Location IEN
                                          ' Date of Onset
 sParam = sParam & U & sOnset
 sParam = sParam & U & ""
                                          ' Class
                                          ' Status
 sParam = sParam & U & "A"
                                          ' Patient IEN
 sParam = sParam & U & oPatient.Handle
 sParam = sParam & U & ""
 sParam = sParam & U & ""
 AddProblem = CallRPCStr("BGOPROB SET", sParam)
 Exit Function
errHandle:
 ErrorTrap MODULE_NAME, "AddProblem"
End Function
Public Sub ParseProblemID(ByVal Value As String, ByRef Prefix As String, ByRef ID As String)
' Parse a problem ID into its prefix and numeric id. Input format is one of
   <prefix>-<id> or <id>
 Dim s As String
 s = Piece(Value, "-", 2)
 If s = "" Then
   ID = Value
   Prefix = ""
 Else
```

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   ID = s
   Prefix = Piece(Value, "-")
 End If
End Sub
Public Function CompareProblemIDs(ByVal ID1 As String, ByVal ID2 As String) As Integer
 Dim Cmp As Integer, s1 As String, s2 As String, n1 As Double, n2 As Double
 ParseProblemID ID1, s1, ID1
 ParseProblemID ID2, s2, ID2
 Cmp = StrComp(s1, s2, vbTextCompare)
 If Cmp = 0 Then
   n1 = Val(ID1)
   n2 = Val(ID2)
   If n1 > n2 Then
     Cmp = 1
   ElseIf n2 > n1 Then
     Cmp = -1
   End If
 End If
 CompareProblemIDs = Cmp
End Function
Public Sub LoadModifiers(AComboBox As ComboBox, ByVal CPTCode As String, Optional ByVal RefDate As Str
' Load CPT modifiers for the specified code and reference date
 On Error GoTo errHandle
 Dim sRpc As String, s As String, v() As String, i As Integer
 With AComboBox
    .Clear
   If CPTCode <> "" Then
     sRpc = CallRPCStr("BGOVCPT GETMODS", CPTCode & U & RefDate)
     v = Split(sRpc, vbCrLf)
      ' Name ^ CPT Modifier Code ^ Modifier IEN
     For i = 0 To UBound(v) - 1
       s = v(i)
          .AddItem Piece(s, U)
          .ItemData(.NewIndex) = Val(Piece(s, U, 3))
     Next i
   End If
   .AddItem "", 0
   .ListIndex = 0
 End With
```

Exit Sub

ErrorTrap MODULE NAME, "LoadModifiers"

errHandle:

End Sub