```vb
Option Explicit

Private Const MODULE_NAME = "frmLookupPov"

Public m_sRefTable As String
Public m_sRpcCall As String
Public m_sParam As String
Public m_sRecId As String
Public m_sName As String
Public m_sNarrative As String
Public m_bInitQuery As Boolean
Public m_bAllowAutoRecReturn As Boolean
Public m_bCancel As Boolean
Public m_sICDcode As String
Public m_sLexCode As String
Public m_bEcodeMode As Boolean
Public m_bAllowEcode As Boolean
Public m_bDisplayShortText As Boolean
Public m_bUpperCase As Boolean
Public m_sLookupDate As String

Dim m_vData() As String

Public Sub RunQuery()
  Dim sRpc As String, sParam As String
  Dim sDate As String, sSex As String

  On Error GoTo errHandle

  fgResults.Rows = 1
  If m_sRpcCall = "" Then Exit Sub
  If m_sParam = "" And Not m_bInitQuery Then Exit Sub

  If InStr(m_sParam, " - ") <> 0 Then m_sParam = Piece(m_sParam, " - ")

  If m_sParam = "" Then m_sParam = "*"

  ' Lookup Value [1] ^ Use Lexicon [2] ^ Visit Date [3] ^ Patient Gender [4] ^ ECodes [5] ^ VCodes [6]

  sParam = m_sParam                                     ' Lookup Value
  sParam = sParam & U & IIf(opt(0), "1", "0")      ' Lexicon Flag
  sParam = sParam & U & m_sLookupDate                  ' Visit Date
  sParam = sParam & U & oPatient.Sex                ' Gender
  sParam = sParam & U & IIf(m_bEcodeMode, 2, IIf(m_bAllowEcode, 1, "")) ' ECodes
  sParam = sParam & U & CInt(m_bDisplayShortText)        ' VCodes
  sRpc = CallRPCList("BGOICDLK ICDLKUP", sParam)

  If sRpc = "" Then
    cmdSelect.Enabled = False
    Exit Sub
  End If

  m_vData = Split(sRpc, vbCrLf)

  If UBound(m_vData) < 1 Or m_vData(0) = "-1" Then
    cmdSelect.Enabled = False
  End If

  cmdSelect.Enabled = True
  cmdSelect.Default = True
  LoadGrid m_vData

  If fgResults.Rows > 1 And Not m_bAllowAutoRecReturn Then
    fgResults.Row = 1
    fgResults.Select 1, 0, 1, fgResults.Cols - 1
  End If

  If fgResults.Rows = 2 And m_bAllowAutoRecReturn Then
    m_sName = fgResults.TextMatrix(1, 2)
    m_sRecId = fgResults.TextMatrix(1, 0)
    m_sICDcode = fgResults.TextMatrix(1, 1)
  End If
  Exit Sub
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errHandle:
   ErrorTrap MODULE_NAME, "RunQuery"
End Sub

Private Sub chkRet_Click()
   SetParam "PovLookup-chk", chkRet.Value
End Sub

Private Sub cmdCancel_Click()
   m_sRecId = ""
   m_sName = ""
   m_sICDcode = ""
   m_bCancel = True
   Unload Me
End Sub

Private Sub cmdSelect_Click()
   Dim i As Integer
   Dim sRpc As String

   On Error GoTo errHandle

   With fgResults
     m_sICDcode = .TextMatrix(.Row, 1)
     m_sName = .TextMatrix(.Row, 2)

     If .Row = 0 Then
       ShowWarning TX_NO_ROW_SEL, TC_NO_ROW
       Exit Sub
     End If

     m_sRecId = .TextMatrix(.Row, 0)
     m_sName = StrConv(m_sName, vbProperCase)

     If chkRet.Value = vbChecked And Not IsNumeric(txtName.Text) Then
       m_sNarrative = txtName.Text
     Else
       m_sNarrative = m_sName
     End If

     If m_sRecId = "" Then
       m_sRecId = Piece(CallRPCStr("BGOVPOV GETICD", m_sICDcode), U)
     End If

     If m_sRecId = "" Then m_sRecId = 0
     If m_sRecId < 1 Then
       ShowError "Lexicon Table Error.", "File Error"
       Exit Sub
     End If

     sRpc = CallRPCStr("BGOVPOV CHECK", m_sRecId & U & oPatient.Handle & U & m_sLookupDate)

     If ErrorCheck(sRpc) Then
       m_sRecId = ""
       Exit Sub
     End If
   End With
   Hide
   Exit Sub

errHandle:
   ErrorTrap MODULE_NAME, "cmdSelect_Click"
End Sub

Private Sub cmdSearch_Click()
   On Error GoTo errHandle

   ' If no criteria, exit
   If txtName = "" Then Exit Sub

   m_sParam = ""
   If txtName = "" Then
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      ShowWarning TX_NO_SEARCH_TEXT, TC_NO_SEARCH
      Exit Sub
   End If
   m_sParam = UCase(txtName)

   RunQuery

   If fgResults.Rows > 1 Then
      On Error Resume Next
      fgResults.SetFocus
   End If

   If m_sRecId <> "" Then
      Hide
   ElseIf fgResults.Rows < 2 Then
      ShowError TX_NO_MATCHES, "Find Record"
   End If
   Exit Sub

errHandle:
   ErrorTrap MODULE_NAME, "cmdSearch_Click"
End Sub

Private Sub fgResults_AfterUserResize(ByVal Row As Long, ByVal Col As Long)
   fgResults.AutoSizeMode = flexAutoSizeRowHeight
   fgResults.AutoSize Col
   fgResults.AutoSizeMode = flexAutoSizeColWidth
End Sub

Private Sub fgResults_DblClick()
   cmdSelect_Click
End Sub

Private Sub fgResults_MouseMove(Button As Integer, Shift As Integer, X As Single, Y As Single)
   On Error Resume Next

   fgResults.ToolTipText = ""
   If Not m_bDisplayShortText Then Exit Sub
   If Not opt(1).Value Then Exit Sub

   With fgResults
      If .MouseCol < 1 Or .MouseRow < 1 Then
         .ToolTipText = ""
         Exit Sub
      End If
      .ToolTipText = .Cell(flexcpText, .MouseRow, 3)
   End With
End Sub

Private Sub fgResults_MouseUp(Button As Integer, Shift As Integer, X As Single, Y As Single)
   If Button = vbRightButton And opt(1).Value Then
      If Not m_bDisplayShortText Then
         mnuText(0).Checked = True
         mnuText(1).Checked = False
      Else
         mnuText(1).Checked = True
         mnuText(0).Checked = False
      End If

      If m_bUpperCase Then
         mnuText(3).Checked = True
         mnuText(4).Checked = False
      Else
         mnuText(4).Checked = True
         mnuText(3).Checked = False
      End If

      PopupMenu mnuPopup
   End If
End Sub

Private Sub Form_Activate()
   Dim sOpt As String
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   On Error Resume Next

   m_bCancel = False
   Refresh
   DoEvents
   sOpt = GetParam("PovLookup-chk")

   If sOpt <> "" Then
     chkRet.Value = CInt(sOpt)
   End If

   sOpt = GetParam("PovLookup-mnuDisplay")

   If sOpt <> "" Then
     If sOpt = "0" Then
       m_bDisplayShortText = False
     Else
       m_bDisplayShortText = True
     End If
   End If

   sOpt = GetParam("PovLookup-mnuCase")

   If sOpt <> "" Then
     If sOpt = "3" Then
       m_bUpperCase = True
     Else
       m_bUpperCase = False
     End If
   End If

   sOpt = GetParam("PovLookup-Opt")

   If sOpt = "1" Then
     opt(1).Value = True
   Else
     opt(0).Value = True
   End If

   If fgResults.Rows < 2 Then
     txtName.SetFocus
   Else
     fgResults.SetFocus
   End If
End Sub

Private Sub Form_Load()
   m_bInitQuery = False
End Sub

Private Sub LoadGrid(ByRef v() As String)
   Dim i As Integer
   Dim sCode As String, sName As String
   Dim p As Integer

   On Error GoTo errHandle

   With fgResults
     .Clear
     .Redraw = flexRDNone
     .Rows = 1
     .Cols = 5
     .FixedCols = 0
     .TextMatrix(0, 0) = "ID"
     .TextMatrix(0, 1) = "Code"
     .TextMatrix(0, 2) = "Description"
     .ColHidden(0) = True
     .ColHidden(3) = True
     .ColHidden(4) = True
     .ColWidth(2) = 2000
     .ColWidth(1) = 600
     .ColAlignment(1) = flexAlignCenterCenter
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    .AllowUserResizing = flexResizeColumns
    .AutoSizeMode = flexAutoSizeRowHeight
    .SelectionMode = flexSelectionByRow
    .ExplorerBar = flexExSortShow
    .AllowSelection = False
    .ExtendLastCol = True
    .ScrollBars = flexScrollBarVertical

    ' Descriptive Text [1] ^ ICD IEN [2] ^ Narrative Text [3] ^ ICD Code [4]

    For i = 0 To UBound(v) - 1
      .Rows = .Rows + 1
      .TextMatrix(.Rows - 1, 0) = Piece(v(i), U, 2)
      .TextMatrix(.Rows - 1, 1) = Piece(v(i), U, 4)

      If m_bDisplayShortText Then
        p = 1
        .TextMatrix(.Rows - 1, 3) = StrConv(Piece(v(i), U, 3), vbProperCase)
      Else
        p = 3
      End If
      .TextMatrix(.Rows - 1, 2) = IIf(m_bUpperCase, Piece(v(i), U, p), StrConv(Piece(v(i), U, p), vbPr
operCase))
    Next i

    .AutoSizeMode = flexAutoSizeColWidth
    .AutoSize 1, .Cols - 1
    .WordWrap = True
    .AutoSizeMode = flexAutoSizeRowHeight
    .AutoSize 2
    .Row = 0
    .Redraw = flexRDDirect
  End With
  Exit Sub

errHandle:
  fgResults.Redraw = flexRDDirect
  ErrorTrap MODULE_NAME, "LoadGrid"
End Sub

Private Sub Form_Resize()
  On Error Resume Next

  If ScaleHeight > 0 Then
    cmdSearch.Move ScaleWidth - cmdSearch.Width - 90
    txtName.Move txtName.Left, txtName.Top, ScaleWidth - cmdSearch.Width - 180 - txtName.Left
    fgResults.Move fgResults.Left, fgResults.Top, ScaleWidth - 90, ScaleHeight - cmdSelect.Height - 90
 - fgResults.Top
    cmdCancel.Move ScaleWidth - cmdCancel.Width - 90, fgResults.Top + fgResults.Height + 60
    cmdSelect.Move ScaleWidth - cmdCancel.Width - 180 - cmdSelect.Width, cmdCancel.Top
    chkRet.Top = cmdCancel.Top + 90
    fgResults.AutoSizeMode = flexAutoSizeRowHeight
    fgResults.AutoSize 2
  End If
End Sub

Private Sub mnuText_Click(Index As Integer)
  Select Case Index
    Case 0
      m_bDisplayShortText = False

    Case 1
      m_bDisplayShortText = True

    Case 3
      m_bUpperCase = True

    Case 4
      m_bUpperCase = False
  End Select

  LoadGrid m_vData
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  If Index < 2 Then
    SetParam "PovLookup-mnuDisplay", Index
  Else
    SetParam "PovLookup-mnuCase", Index
  End If
End Sub

Private Sub opt_Click(Index As Integer)
  If Index = 0 Then
    m_sRpcCall = "BGOUTL ICDLEX"
  Else
    m_sRpcCall = "BGOICDLK ICDLKUP"
  End If

  cmdSearch_Click
  SetParam "PovLookup-Opt", Index
End Sub

Private Sub txtName_Change()
  cmdSearch.Default = True
End Sub
```

```
VERSION 5.00
Object = "{1C0489F8-9EFD-423D-887A-315387F18C8F}#1.0#0"; "vsflex8l.ocx"
Begin VB.Form frmLookupPov
   BorderStyle     =   5  'Sizable ToolWindow
   Caption         =   "Diagnosis Lookup"
   ClientHeight    =   5310
   ClientLeft      =   60
   ClientTop       =   300
   ClientWidth     =   6885
   LinkTopic       =   "Form1"
   MaxButton       =   0  'False
   MinButton       =   0  'False
   ScaleHeight     =   5310
   ScaleWidth      =   6885
   ShowInTaskbar   =   0  'False
   StartUpPosition =   1  'CenterOwner
   Begin VSFlex8LCtl.VSFlexGrid fgResults
      Height          =   3675
      Left            =   60
      TabIndex        =   7
      Top             =   1110
      Width           =   6765
      _cx             =   11933
      _cy             =   6482
      Appearance      =   1
      BorderStyle     =   1
      Enabled         =   -1  'True
      BeginProperty Font {0BE35203-8F91-11CE-9DE3-00AA004BB851}
         Name            =   "MS Sans Serif"
         Size            =   8.25
         Charset         =   0
         Weight          =   400
         Underline       =   0  'False
         Italic          =   0  'False
         Strikethrough   =   0  'False
      EndProperty
      MousePointer    =   0
      BackColor       =   -2147483643
      ForeColor       =   -2147483640
      BackColorFixed  =   -2147483633
      ForeColorFixed  =   -2147483630
      BackColorSel    =   -2147483635
      ForeColorSel    =   -2147483634
      BackColorBkg    =   -2147483636
      BackColorAlternate=   -2147483643
      GridColor       =   -2147483633
      GridColorFixed  =   -2147483632
      TreeColor       =   -2147483632
      FloodColor      =   192
      SheetBorder     =   -2147483642
      FocusRect       =   1
      HighLight       =   1
      AllowSelection  =   -1  'True
      AllowBigSelection=   -1  'True
      AllowUserResizing=   0
      SelectionMode   =   0
      GridLines       =   1
      GridLinesFixed  =   2
      GridLineWidth   =   1
      Rows            =   50
      Cols            =   10
      FixedRows       =   1
      FixedCols       =   1
      RowHeightMin    =   0
      RowHeightMax    =   0
      ColWidthMin     =   0
      ColWidthMax     =   0
      ExtendLastCol   =   0  'False
      FormatString    =   ""
      ScrollTrack     =   0  'False
      ScrollBars      =   3
      ScrollTips      =   0  'False
      MergeCells      =   0
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      MergeCompare   =    0
      AutoResize     =    -1   'True
      AutoSizeMode   =    0
      AutoSearch     =    0
      AutoSearchDelay =   2
      MultiTotals    =    -1   'True
      SubtotalPosition=   1
      OutlineBar     =    0
      OutlineCol     =    0
      Ellipsis       =    0
      ExplorerBar    =    0
      PicturesOver   =    0    'False
      FillStyle      =    0
      RightToLeft    =    0    'False
      PictureType    =    0
      TabBehavior    =    0
      OwnerDraw      =    0
      Editable       =    0
      ShowComboButton =   1
      WordWrap       =    0    'False
      TextStyle      =    0
      TextStyleFixed =    0
      OleDragMode    =    0
      OleDropMode    =    0
      ComboSearch    =    3
      AutoSizeMouse  =    -1   'True
      FrozenRows     =    0
      FrozenCols     =    0
      AllowUserFreezing=   0
      BackColorFrozen =   0
      ForeColorFrozen =   0
      WallPaperAlignment=  9
      AccessibleName =    ""
      AccessibleDescription=   ""
      AccessibleValue =    ""
      AccessibleRole =    24
   End
   Begin VB.OptionButton opt
      Caption        =    "&ICD"
      Height         =    225
      Index          =    1
      Left           =    4140
      TabIndex       =    5
      Top            =    120
      Width          =    645
   End
   Begin VB.OptionButton opt
      Caption        =    "Le&xicon"
      Height         =    225
      Index          =    0
      Left           =    3030
      TabIndex       =    4
      Top            =    120
      Value          =    -1   'True
      Width          =    975
   End
   Begin VB.CommandButton cmdCancel
      Cancel         =    -1   'True
      Caption        =    "&Cancel"
      Height         =    390
      Left           =    5685
      TabIndex       =    10
      Top            =    4860
      Width          =    1005
   End
   Begin VB.CommandButton cmdSelect
      Caption        =    "&OK"
      Enabled        =    0    'False
      Height         =    390
      Left           =    4605
      TabIndex       =    9
      Top            =    4860
      Width          =    1005
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      End
      Begin VB.TextBox txtName
         Height          =   315
         Left            =   1110
         TabIndex        =   1
         Top             =   435
         Width           =   4545
      End
      Begin VB.CommandButton cmdSearch
         Caption         =   "&Search"
         Default         =   -1  'True
         Height          =   360
         Left            =   5685
         TabIndex        =   2
         TabStop         =   0   'False
         Top             =   405
         Width           =   1005
      End
      Begin VB.CheckBox chkRet
         Caption         =   "&Return Search Text as Narrative"
         Height          =   225
         Left            =   90
         TabIndex        =   8
         Top             =   4950
         Width           =   2715
      End
      Begin VB.Label Label2
         Alignment       =   1  'Right Justify
         Caption         =   "&Lookup Option"
         Height          =   195
         Left            =   1710
         TabIndex        =   3
         Top             =   105
         Width           =   1155
      End
      Begin VB.Label Label1
         Caption         =   "&Select from one of the following items"
         Height          =   195
         Left            =   90
         TabIndex        =   6
         Top             =   870
         Width           =   2775
      End
      Begin VB.Label lblFirstName
         Alignment       =   1  'Right Justify
         Caption         =   "Search &Value"
         Height          =   225
         Left            =   15
         TabIndex        =   0
         Top             =   450
         Width           =   1035
      End
      Begin VB.Menu mnuPopup
         Caption         =   "mnuPopup"
         Visible         =   0   'False
         Begin VB.Menu mnuText
            Caption         =   "Display &Long Narrative"
            Index           =   0
         End
         Begin VB.Menu mnuText
            Caption         =   "Display &Short Text"
            Index           =   1
         End
         Begin VB.Menu mnuText
            Caption         =   "-"
            Index           =   2
         End
         Begin VB.Menu mnuText
            Caption         =   "UpperCase"
            Index           =   3
         End
         Begin VB.Menu mnuText
            Caption         =   "MixedCase"
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            Index              =     4
        End
    End
End
```

Lookup Option ○ Lexicon   ○ ICD

Search Value [   ] [Search]

Select from one of the following items

☐ Return Search Text as Narrative   [OK]   [Cancel]