



RESOURCE AND PATIENT MANAGEMENT SYSTEM

Computerized Public Health Activity Data System (CPHAD)

(BNI)

Technical Manual

Version 1.0
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Office of Information Technology (OIT)
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Preface

This manual contains the technical information for Version 1.0 of the IHS Computerized Public Health Activity Data System (CPHAD).

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1.0 Implementation and Maintenance

The IHS Computerized Public Health Activity Data System occupies the BNI namespace. Options, security locks/keys, templates, routines, and globals are namespaced BNI.

1.1 Contents of Distribution

- bni_0100.k—Kids file containing software
- bni_010i.pdf—Installation Guide and Release Notes in PDF format
- bni_010t.pdf—Technical Manual in PDF format (this manual)
- bni_010u.pdf—User Manual in PDF format
- bni10client.zip

1.2 Requirements

- Kernel (XU) v8.0 or higher
- FileMan (DI) v21 or higher

1.3 Contents of Distribution for GUI Interface

- bni10client.zip – GUI software for the client PC
 - bni10setup.exe
 - IndianHealthService.bni10.msi

2.0 Security Keys

Name	Descriptive Name	Description
BNIZMENU	BNI MAIN MENU – CPHAD	This key unlocks the main CPHAD menu. It should be assigned to all users who need to enter data using the Computerized Public Health Activity Data System

Figure 2-1: Security Keys table

3.0 Routines

ROUTINE	DESCRIPTION
BNIBAN	IHS/CMI/LAB - Banner routine for BNI package
BNIE	IHS/CMI/LAB - Data entry for BNI
BNIG	IHS/CMI/LAB - Group entry for BNI
BNIGE	IHS/CMI/LAB - BNI GUI Save Utilities 2/3/2006 8:53:46 AM
BNIGT	IHS/CMI/LAB - BNI CPHAD GUI Table Utilities 1/4/2006 1:24:55 PM
BNIGU	IHS/CMI/LAB - BNI Visual CPHAD Utilities 1/4/2006 1:26:59 PM
BNIGVL	IHS/CMI/LAB - BNI general retrieval
BNIGVL0	IHS/CMI/LAB - SCREEN LOGIC
BNIGVL1	IHS/CMI/LAB - Process record list
BNIGVL3	IHS/CMI/LAB - General retrieval cont
BNIGVL4	IHS/CMI/LAB - General retrieval select
BNIGVLD	IHS/CMI/LAB - Delete bni custom report
BNIGVLP	IHS/CMI/LAB - Print bni general retrieval
BNIGVLP1	IHS/CMI/LAB - CONT OF BNIGVLP
BNIGVLP2	IHS/CMI/LAB - Print BNI report
BNIGVLP3	IHS/CMI/LAB - CONT OF BNIGVLP
BNIGVLP8	IHS/CMI/LAB - Print delimited
BNIGVLS	IHS/CMI/LAB - Gen ret show screens
BNIGVLS1	IHS/CMI/LAB - Dir question mark
BNIGVLU	IHS/CMI/LAB - GEN RETR UTILITIES
BNIGVLU1	IHS/CMI/LAB - GEN RETR UTILITIES
BNIP0ST	IHS/CMI/LAB - Routine to create bulletin
BNIRD	IHS/CMI/LAB - BNI record display
BNIRD5G	IHS/CMI/LAB - Record display
BNIRP1	IHS/CMI/LAB - Person report
BNIRP2	IHS/CMI/LAB - PHC report
BNIRP3	IHS/CMI/LAB - SHT report
BNIRP4	IHS/CMI/LAB - TOA report
BNIRP5	IHS/CMI/LAB - AS report
BNIRP6	IHS/CMI/LAB - GPRA report
BNIRP7	IHS/CMI/LAB - Date report
BNITAS	IHS/CMI/LAB - Table activity setting
BNITAXE	IHS/CMI/LAB - Taxonomy update community
BNITAXT	IHS/CMI/LAB - DISPLAY TAX
BNITGHC	IHS/CMI/LAB - PHC table
BNITGS	IHS/CMI/LAB - Group served table
BNITSHT	IHS/CMI/LAB - SHT table
BNITTOA	IHS/CMI/LAB - TOA table
BNIU	IHS/CMI/LAB - BNI util

Figure 3-1: Table of routines and descriptions

4.0 Files and Tables

4.1 File List

File	Global	Filename
90510	^BNIREC	BNI CPHAD ACTIVITY RECORDS
90510.5	^BNIGROUP	BNI GROUP RECORD DEFINITION
90511.01	^BNIGHC	BNI GENERAL PUBLIC HEALTH CONCERNS
90511.02	^BNISHT	BNI SPECIFIC HEALTH TOPIC
90511.03	^BNITOA	BNI TYPE OF ACTIVITY
90511.04	^BNIGS	BNI CPHAD GROUP SERVED
90511.05	^BNIAS	BNI CPHAD ACTIVITY SETTING
90511.99	^BNIADO	BNI BMX ADO SCHEMA
90512.01	^BNISITE	BNI CPHAD SITE PARAMETERS
90512.08	^BNIGUI	BNI GUI REPORT
90512.87	^BNIGRI	BNI GENERAL RETRIEVAL ITEMS
90512.88	^BNIRTMP	BNI GENERAL RETRIEVAL TMP

Figure 4-1: File list table including file, global, and filename

4.2 File Access

FILE (#)	GLOBAL	RD	WR	LYG	DD	DEL
90510	^BNIREC(M	M	M	M	@
90510.5	^BNIGROUP(@	@	@	@	@
90511.01	^BNIGHC(@	@	@	@	@
90511.02	^BNISHT(@	@	@	@	@
90511.03	^BNITOA(@	@	@	@	@
90511.04	^BNIGS(@	@	@	@	@
90511.05	^BNIAS(@	@	@	@	@
90511.99	^BNIADO(@	@	@	@	@
90512.01	^BNISITE(@	@	@	@	@
90512.08	^BNIGUI(@	@	@	@	@
90512.87	^BNIGRI(@	@	@	@	@
90512.88	^BNIRTMP(@	@	@	@	@

Figure 4-2: File access table

4.3 Cross References

File # 90510 BNI CPHAD Activity Records

Traditional Cross-References:	
AA	<p>MUMPS</p> <p>Field: DATE OF ACTIVITY (90510,.01)</p> <p>1)= I \$P(^BNIREC(DA,0),U,8) S ^BNIREC("AA", \$P(^BNIREC(DA,0),U,8), (9999999-X), DA)=""</p> <p>2)= I \$P(^BNIREC(DA,0),U,8) K ^BNIREC("AA", \$P(^BNIREC(DA,0),U,8), (9999999-X), DA)</p>
AATOO	<p>MUMPS</p> <p>Field: PERSON PERFORMING ACTIVITY (90510,.08)</p> <p>1)= I \$P(^BNIREC(DA,0),U) S ^BNIREC("AA",X, (9999999-\$P(^BNIREC(DA,0),U)), DA)=""</p> <p>2)= I \$P(^BNIREC(DA,0),U) K ^BNIREC("AA",X, (9999999-\$P(^BNIREC(DA,0),U)), DA)</p>
AC	<p>REGULAR</p> <p>Field: PERSON PERFORMING ACTIVITY (90510,.08)</p> <p>1)= S ^BNIREC("AC", \$E(X,1,30), DA)=""</p> <p>2)= K ^BNIREC("AC", \$E(X,1,30), DA)</p>
ACP	<p>MUMPS</p> <p>Field: CREATED BY (90510,.03)</p> <p>1)= S ^BNIREC("ACP",X, \$P(^BNIREC(DA,0),U), DA)=""</p> <p>2)= K ^BNIREC("ACP",X, \$P(^BNIREC(DA,0),U), DA)</p>
ACP	<p>MUMPS</p> <p>Field: PERSON PERFORMING ACTIVITY (90510,.08)</p> <p>1)= S ^BNIREC("ACP",X, \$P(^BNIREC(DA,0),U), DA)=""</p> <p>2)= K ^BNIREC("ACP",X, \$P(^BNIREC(DA,0),U), DA)</p>
AE	<p>MUMPS</p> <p>Field: DATE OF ACTIVITY (90510,.01)</p> <p>1)= S ^BNIREC("AE", (9999999-X), DA)=""</p> <p>2)= K ^BNIREC("AE", (9999999-X), DA)</p>
B	<p>REGULAR</p> <p>Field: DATE OF ACTIVITY (90510,.01)</p> <p>1)= S ^BNIREC("B", \$E(X,1,30), DA)=""</p> <p>2)= K ^BNIREC("B", \$E(X,1,30), DA)</p>
Subfile #90510.0115	
Traditional Cross-References:	
B	<p>REGULAR</p> <p>Field: LOG OF EDITING (90510.0115,.01)</p> <p>1)= S ^BNIREC(DA(1),15,"B", \$E(X,1,30), DA)=""</p> <p>2)= K ^BNIREC(DA(1),15,"B", \$E(X,1,30), DA)</p>
	<p>TRIGGER</p> <p>Field: LOG OF EDITING (90510.0115,.01)</p> <p>Triggered Field: DATE LAST EDITED (90510,.05)</p> <p>1)= K DIV S DIV=X,D0=DA(1),DIV(0)=D0,D1=DA S Y(1)=\$S(\$D(^BNIREC(D0,0)):^(0),1:"") S X=\$P(Y(1),U,5),X=X S DIU=X K Y S X=DIV S X=DIV,X=\$P(X,".",1) S DIH=\$G(^BNIREC(DIV(0),0)),DIV=X S \$P(^0),U,5)=DIV,DIH=90510,DIG=.05 D ^DICR</p> <p>2)= K DIV S DIV=X,D0=DA(1),DIV(0)=D0,D1=DA S Y(1)=\$S(\$D(^BN</p>


```

IREC(D0,0)):^(0,1:"") S X=$P(Y(1),U,5),X=X S DIU=X K Y X ^
DD(90510.0115,.01,1,2,2.1) S DIH=$G(^BNIREC(DIV(0),0)),DIV=
X S $P(^0,U,5)=DIV,DIH=90510,DIG=.05 D ^DICR
2.1)= S X=DIV S Y(1)=$S($D(^BNIREC(D0,15,D1,0)):^(0,1:"")
S X=$P(Y(1),U,1),X=$P(X,".",1)
CREATE VALUE)= DATE(LOG OF EDITING)
DELETE VALUE)= DATE(LOG OF EDITING)
FIELD)= #.05

```

TRIGGER

```

Field: USER WHO EDITED (90510.0115,.02)
Triggered Field: LAST EDITED BY (90510,.04)
1)= K DIV S DIV=X,D0=DA(1),DIV(0)=D0,D1=DA S Y(1)=$S($D(^BN
IREC(D0,0)):^(0,1:"") S X=$P(Y(1),U,4),X=X S DIU=X K Y S X
=DIV S X=DUZ S DIH=$G(^BNIREC(DIV(0),0)),DIV=X S $P(^0,U,
4)=DIV,DIH=90510,DIG=.04 D ^DICR
1.4)= S DIH=$G(^BNIREC(DIV(0),0)),DIV=X S $P(^0,U,4)=DIV,
DIH=90510,DIG=.04 D ^DICR
2)= Q
2.1)= S X=DIV S Y(1)=$S($D(^BNIREC(D0,15,D1,0)):^(0,1:"")
S X=$P($G(^VA(200,+P(Y(1),U,2),0)),U)
CREATE VALUE)= S X=DUZ
DELETE VALUE)= NO EFFECT
FIELD)= #.04

```

File #90510.5 BNI Group Record Definition

Traditional Cross-References:

AA MUMPS

```

Field: DATE OF ACTIVITY (90510.5,.01)
1)= I $P(^BNIGROUP(DA,0),U,8) S ^BNIGROUP("AA",$P(^BNIGROUP
(DA,0),U,8),(9999999-X),DA)=" "
2)= I $P(^BNIGROUP(DA,0),U,8) K ^BNIGROUP("AA",$P(^BNIGROUP
(DA,0),U,8),(9999999-X),DA)

```

AATOO MUMPS

```

Field: PERSON PERFORMING ACTIVITY (90510.5,.08)
1)= I $P(^BNIGROUP(DA,0),U) S ^BNIGROUP("AA",X,(9999999-$P(
^BNIGROUP(DA,0),U)),DA)=" "
2)= I $P(^BNIGROUP(DA,0),U) K ^BNIGROUP("AA",X,(9999999-$P(
^BNIGROUP(DA,0),U)),DA)

```

AC REGULAR

```

Field: PERSON PERFORMING ACTIVITY (90510.5,.08)
1)= S ^BNIGROUP("AC",E(X,1,30),DA)=" "
2)= K ^BNIGROUP("AC",E(X,1,30),DA)

```

B REGULAR

```

Field: DATE OF ACTIVITY (90510.5,.01)
1)= S ^BNIGROUP("B",E(X,1,30),DA)=" "
2)= K ^BNIGROUP("B",E(X,1,30),DA)

```

Subfile #90510.5115

Traditional Cross-References:

B REGULAR

```

Field: LOG OF EDITING (90510.5115,.01)
1)= S ^BNIGROUP(DA(1),15,"B",E(X,1,30),DA)=" "
2)= K ^BNIGROUP(DA(1),15,"B",E(X,1,30),DA)

```

TRIGGER

```

Field: USER WHO EDITED (90510.5115,.02)
Triggered Field: LAST EDITED BY (90510.5,.04)
1)= K DIV S DIV=X,D0=DA(1),DIV(0)=D0,D1=DA S Y(1)=$S($D(^BN
IGROUP(D0,0)):^(0),1:"") S X=$P(Y(1),U,4),X=X S DIU=X K Y S
X=DIV S X=$P($G(^VA(200,+DIV,0)),U) X ^DD(90510.5115,.02,1
,1,1.4)
1.4)= S DIH=$G(^BNIGROUP(DIV(0),0)),DIV=X S $P(^0,U,4)=DI
V,DIH=90510.5,DIG=.04 D ^DICR
2)= K DIV S DIV=X,D0=DA(1),DIV(0)=D0,D1=DA S Y(1)=$S($D(^BN
IGROUP(D0,0)):^(0),1:"") S X=$P(Y(1),U,4),X=X S DIU=X K Y X
^DD(90510.5115,.02,1,1,2.1) S DIH=$G(^BNIGROUP(DIV(0),0)),
DIV=X S $P(^0,U,4)=DIV,DIH=90510.5,DIG=.04 D ^DICR
2.1)= S X=DIV S Y(1)=$S($D(^BNIGROUP(D0,15,D1,0)):^(0),1:""
) S X=$P($G(^VA(200,+P(Y(1),U,2),0)),U)
CREATE VALUE)= USER WHO EDITED
DELETE VALUE)= USER WHO EDITED
FIELD)= #.04

```

Subfile #90510.516

Traditional Cross-References:

B REGULAR

```

Field: PERSONS PERFORMING ACTIVITY (90510.516,.01)
1)= S ^BNIGROUP(DA(1),16,"B", $E(X,1,30),DA)=" "
2)= K ^BNIGROUP(DA(1),16,"B", $E(X,1,30),DA)

```

File #90511.01 BNI General Public Health Concern

Traditional Cross-References:

B REGULAR

```

Field: GENERAL PUBLIC HEALTH CONCERN (90511.01,.01)
1)= S ^BNIGHC("B",X,DA)=" "
2)= K ^BNIGHC("B",X,DA)

```

C REGULAR

```

Field: CODE (90511.01,.02)
1)= S ^BNIGHC("C", $E(X,1,30),DA)=" "
2)= K ^BNIGHC("C", $E(X,1,30),DA)

```

File #90511.02 BNI Specific Health Topic

Traditional Cross-References:

```

AA      MUMPS
      Field:  GENERAL TOPIC  (90511.02,.06)
              1)= I $P(^BNISHT(DA,0),U,3) S ^BNISHT("AA", $P(^BNISHT(DA,0),
              ,U,3),X,DA)=" "
              2)= I $P(^BNISHT(DA,0),U,3) K ^BNISHT("AA", $P(^BNISHT(DA,0),
              ,U,3),X,DA)

AATOO   MUMPS
      Field:  GENERAL PUBLIC HEALTH CONCERN  (90511.02,.03)
              1)= I $P(^BNISHT(DA,0),U,6) S ^BNISHT("AA",X,$P(^BNISHT(DA,
              0),U,6),DA)=" "
              2)= I $P(^BNISHT(DA,0),U,6) K ^BNISHT("AA",X,$P(^BNISHT(DA,
              0),U,6),DA)

AC      REGULAR
      Field:  GENERAL PUBLIC HEALTH CONCERN  (90511.02,.03)
              1)= S ^BNISHT("AC", $E(X,1,30),DA)=" "
              2)= K ^BNISHT("AC", $E(X,1,30),DA)

B      REGULAR
      Field:  SPECIFIC HEALTH TOPIC  (90511.02,.01)
              1)= S ^BNISHT("B", $E(X,1,30),DA)=" "
              2)= K ^BNISHT("B", $E(X,1,30),DA)

C      REGULAR
      Field:  CODE  (90511.02,.02)
              1)= S ^BNISHT("C", $E(X,1,30),DA)=" "
              2)= K ^BNISHT("C", $E(X,1,30),DA)

```

File #90511.03 BNI Type of Activity

Traditional Cross-References:

B REGULAR
 Field: TYPE OF ACTIVITY (90511.03,.01)
 1)= S ^BNITOA("B", \$E(X,1,30),DA)=" "
 2)= K ^BNITOA("B", \$E(X,1,30),DA)

C REGULAR
 Field: CODE (90511.03,.02)
 1)= S ^BNITOA("C", \$E(X,1,30),DA)=" "
 2)= K ^BNITOA("C", \$E(X,1,30),DA)

File #90511.04 BNI CPHAD Group Served

Traditional Cross-References:

B REGULAR
 Field: GROUP SERVED (90511.04,.01)
 1)= S ^BNIGS("B", \$E(X,1,30),DA)=" "
 2)= K ^BNIGS("B", \$E(X,1,30),DA)

C REGULAR
 Field: CODE (90511.04,.02)
 1)= S ^BNIGS("C", \$E(X,1,30),DA)=" "
 2)= K ^BNIGS("C", \$E(X,1,30),DA)

File #90511.05 BNI Activity Setting

Traditional Cross-References:

B REGULAR
 Field: ACTIVITY SETTING (90511.05,.01)
 1)= S ^BNIAS("B", \$E(X,1,30),DA)=" "
 2)= K ^BNIAS("B", \$E(X,1,30),DA)

C REGULAR
 Field: CODE (90511.05,.02)
 1)= S ^BNIAS("C", \$E(X,1,30),DA)=" "
 2)= K ^BNIAS("C", \$E(X,1,30),DA)

File #90511.99 BNI BMX ADO SCHEMA

Traditional Cross-References:

B REGULAR
 Field: SCHEMA NAME (90511.99,.01)
 1)= S ^BNIADO("B", \$E(X,1,30),DA)=" "
 2)= K ^BNIADO("B", \$E(X,1,30),DA)

Subfile #90511.991

Traditional Cross-References:

B REGULAR
 Field: FIELD NUMBER (90511.991,.01)
 1)= S ^BNIADO(DA(1),1,"B", \$E(X,1,30),DA)=" "
 2)= K ^BNIADO(DA(1),1,"B", \$E(X,1,30),DA)

Subfile #90511.992

Traditional Cross-References:

B REGULAR
 Field: VIEW (90511.992,.01)
 1)= S ^BNIADO(DA(1),2,"B", \$E(X,1,30),DA)=" "
 2)= K ^BNIADO(DA(1),2,"B", \$E(X,1,30),DA)

Subfile #90511.9922

Traditional Cross-References:

B REGULAR
 Field: PARAMETER (90511.9922,.01)
 1)= S ^BNIADO(DA(2),2,DA(1),2,"B", \$E(X,1,30),DA)=" "
 2)= K ^BNIADO(DA(2),2,DA(1),2,"B", \$E(X,1,30),DA)

File #90512.01 BNI Site Parameters

Traditional Cross-References:	
B	REGULAR Field: SITE (90512.01,.01) 1)= S ^BNISITE("B", \$E(X,1,30),DA)=" " 2)= K ^BNISITE("B", \$E(X,1,30),DA)
Subfile #90512.11101	
Traditional Cross-References:	
B	REGULAR Field: COMMUNITIES (90512.11101,.01) 1)= S ^BNISITE(DA(1),11,"B", \$E(X,1,30),DA)=" " 2)= K ^BNISITE(DA(1),11,"B", \$E(X,1,30),DA)
Subfile #90512.11201	
Traditional Cross-References:	
ACP	REGULAR WHOLE FILE (#90512.01) Field: PERSONS ALLOWED TO SEE ALL (90512.11201,.01) 1)= S ^BNISITE("ACP", \$E(X,1,30),DA(1),DA)=" " 2)= K ^BNISITE("ACP", \$E(X,1,30),DA(1),DA)
B	REGULAR Field: PERSONS ALLOWED TO SEE ALL (90512.11201,.01) 1)= S ^BNISITE(DA(1),12,"B", \$E(X,1,30),DA)=" " 2)= K ^BNISITE(DA(1),12,"B", \$E(X,1,30),DA)

File #90512.08 BNI GUI Report

Traditional Cross-References:	
AC	REGULAR Field: START TIME (90512.08,.03) 1)= S ^BNIGUI("AC", \$E(X,1,30),DA)=" " 2)= K ^BNIGUI("AC", \$E(X,1,30),DA)
AUSR	MUMPS Field: START TIME (90512.08,.03) 1)= S ^BNIGUI("AUSR", \$\$(\$P(\$G(^BNIGUI(DA,0)), "^", 2):\$P(^BNIGUI(DA,0), "^", 2), 1:1), (9999999.9999-X), DA)=" " 2)= K ^BNIGUI("AUSR", \$\$(\$P(\$G(^BNIGUI(DA,0)), "^", 2):\$P(^BNIGUI(DA,0), "^", 2), 1:1), (9999999.9999-X), DA)
B	REGULAR Field: NAME (90512.08,.01) 1)= S ^BNIGUI("B", \$E(X,1,30),DA)=" " 2)= K ^BNIGUI("B", \$E(X,1,30),DA)

File #90512.87 BNI General Retrieval Items

Traditional Cross-References:

```
B   REGULAR
     Field:  ITEM   (90512.87,.01)
           1)= S ^BNIGRI("B", $E(X,1,30),DA)=" "
           2)= K ^BNIGRI("B", $E(X,1,30),DA)

C   REGULAR
     Field:  ORDER ON MENU (90512.87,.09)
           1)= S ^BNIGRI("C", $E(X,1,30),DA)=" "
           2)= K ^BNIGRI("C", $E(X,1,30),DA)

U   MUMPS
     Field:  ITEM   (90512.87,.01)
           1)= S ^BNIGRI("U", $$SUP^XLFSTR(X),DA)=" "
           2)= K ^BNIGRI("U", $$SUP^XLFSTR(X),DA)
```

File #90512.88 BNI General Retrieval Temp

Traditional Cross-References:

B REGULAR

Field: \$J_\$H (90512.88,.01)
 1)= S ^BNIRTMP("B", \$E(X,1,30),DA)=" "
 2)= K ^BNIRTMP("B", \$E(X,1,30),DA)

C REGULAR

Field: NAME OF REPORT (90512.88,.03)
 1)= S ^BNIRTMP("C", \$E(X,1,30),DA)=" "
 2)= K ^BNIRTMP("C", \$E(X,1,30),DA)

TRIGGER

Field: SORT ITEM (90512.88,.07)
 Triggered Field: SORT TEXT (90512.88,.08)
 1)= K DIV S DIV=X,D0=DA,DIV(0)=D0 S Y(1)=\$S(\$D(^BNIRTMP(D0,0)):^(0),1:"") S X=\$P(Y(1),U,8),X=X S DIU=X K Y X ^DD(90512.88,.07,1,1,1.1) S DIH=\$G(^BNIRTMP(DIV(0),0)),DIV=X S \$P(^0),U,8)=DIV,DIH=90512.88,DIG=.08 D ^DICR
 1.1)= S X=DIV S I(0,0)=\$G(D0),D0=DIV S:'D0!'\$D(^BNIGRI(+D0,0)) D0=-1 S Y(101)=\$S(\$D(^BNIGRI(D0,0)):^(0),1:"") S X=\$P(Y(101),U,1) S D0=I(0,0)
 1.4)= S DIH=\$S(\$D(^BNIRTMP(DIV(0),0)):^(0),1:""),DIV=X S \$P(^0),U,8)=DIV,DIH=90512.88,DIG=.08 D ^DICR:\$O(^DD(DIH,DIG,1,0))>0
 2)= Q
 2.1)= S X=DIV X ^DD(90512.88,.07,1,1,59.2) S X=\$P(Y(101),U,1) S D0=I(0,0)
 2.4)= S DIH=\$S(\$D(^BNIRTMP(DIV(0),0)):^(0),1:""),DIV=X S \$P(^0),U,8)=DIV,DIH=90512.88,DIG=.08 D ^DICR:\$O(^DD(DIH,DIG,1,0))>0
 59.2)= S I(0,0)=\$S(\$D(D0):D0,1:""),Y(1)=\$S(\$D(^BNIRTMP(D0,0)):^(0),1:""),D0=\$P(Y(1),U,7) S:'\$D(^APCLVSTS(+D0,0)) D0=-1 S Y(101)=\$S(\$D(^APCLVSTS(D0,0)):^(0),1:"")
 CREATE VALUE)=#.07:#.01
 DELETE VALUE)=NO EFFECT
 FIELD)=#.08

Subfile #90512.89101

Traditional Cross-References:

B REGULAR

Field: SCREEN ITEMS (90512.89101,.01)
 1)= S ^BNIRTMP(DA(1),11,"B", \$E(X,1,30),DA)=" "
 2)= K ^BNIRTMP(DA(1),11,"B", \$E(X,1,30),DA)

Subfile #90512.89102

Traditional Cross-References:

B REGULAR

Field: ITEM VALUE (90512.8910101,.01)
 1)= S ^BNIRTMP(DA(2),11,DA(1),11,"B", \$E(X,1,30),DA)=" "
 2)= K ^BNIRTMP(DA(2),11,DA(1),11,"B", \$E(X,1,30),DA)

Subfile #90512.89102

Traditional Cross-References:

B REGULAR


```
Field: PRINT ITEMS (90512.89102,.01)
      1)= S ^BNIRTMP(DA(1),12,"B",$(X,1,30),DA)=" "
      2)= K ^BNIRTMP(DA(1),12,"B",$(X,1,30),DA)
```

4.4 Table File

FILE: BNI CPHAD Activity Records

GLOBAL: ^BNIREC(

FILE #: 90510

Field #	Field Name	Subscript	Piece	Type
.01	DATE OF ACTIVITY	D0,0	1	D
.02	DATE CREATED	D0,0	2	D
.03	CREATED BY	D0,0	3	P
.04	LAST EDITED BY	D0,0	4	P
.05	DATE LAST EDITED	D0,0	5	D
.06	LOCATION WHERE RECORD CREATED	D0,0	6	P
.07	LOCATION	D0,0	7	P
.08	PERSON PERFORMING ACTIVITY	D0,0	8	P
.09	TOTAL TIME SPENT (hrs)	D0,0	9	N
.11	GENERAL HEALTH CONCERN	D0,0	11	P
.12	SPECIFIC HEALTH TOPIC	D0,0	12	P
.13	TYPE OF ACTIVITY	D0,0	13	P
.14	GROUP SERVED	D0,0	14	P
.15	ACTIVITY SETTING	D0,0	15	P
.16	COMMUNITY W/IN SERVICE AREA	D0,0	16	P
.17	TRAVEL TIME IN MINUTES	D0,0	17	N
.18	NUMBER SERVED/ATTENDED	D0,0	18	N
.19	MONTH	D0,0	19	S
.21	YEAR	D0,0	21	D
1101	GENERAL HEALTH CONCERN (OTHER)	D0,11	1	F
1102	SPECIFIC HEALTH TOPIC (OTHER)	D0,11	2	F
1103	TYPE OF ACTIVITY IF OTHER	D0,11	3	F
1201	GROUP SERVED IF OTHER	D0,12	1	F
1400	ADDITIONAL COMMENTS	(90510.0114)		
	.01	ADDITIONAL COMMENTS	D0,14,D1,0	W

Figure 4-3: Table file for BNI CPHAD activity records

FILE: BNI GROUP Record Definition

GLOBAL: ^BNIGROUP(

FILE #: 90510.5

FIELD #	FIELD NAME	SUBSCRIPT	PIECE	TYPE
.01	DATE OF ACTIVITY	D0,0	1	D
.02	DATE CREATED	D0,0	2	D
.03	CREATED BY	D0,0	3	P
.04	LAST EDITED BY	D0,0	4	P
.05	DATE/TIME LAST EDITED	D0,0	5	D
.06	LOCATION WHERE RECORD CREATED	D0,0	6	P

FIELD #	FIELD NAME	SUBSCRIPT	PIECE	TYPE
.07	LOCATION	D0,0	7	P
.08	PERSON PERFORMING ACTIVITY	D0,0	8	P
.09	TOTAL TIME SPENT	D0,0	9	N
.11	GENERAL HEALTH CONCERN	D0,0	11	P
.12	SPECIFIC HEALTH TOPIC	D0,0	12	P
.13	TYPE OF ACTIVITY	D0,0	13	P
.14	GROUP SERVED	D0,0	14	P
.15	ACTIVITY SETTING	D0,0	15	P
.16	COMMUNITY W/IN SERVICE AREA	D0,0	16	P
.17	TRAVEL TIME	D0,0	17	N
.18	NUMBER SERVED/ATTENDED	D0,0	18	N
1101	GENERAL HEALTH CONCERN (OTHER)	D0,11	1	F
1102	SPECIFIC HEALTH TOPIC (OTHER)	D0,11	2	F
1103	TYPE OF ACTIVITY IF OTHER	D0,11	3	F
1201	GROUP SERVED IF OTHER	D0,12	1	F
1400	ADDITIONAL COMMENTS	(90510.5114)		
	.01	ADDITIONAL COMMENTS	W	1
1500	LOG OF EDITING	(90510.5115)		
	.01	LOG OF EDITING	D0,15,D1,0	D
	.02	USER WHO EDITED	"	P
1600	PERSONS PERFORMING ACTIVITY	(90510.516)		
	.01	PERSONS PERFORMING ACTIVITY	D0,16,D1,0	1

Figure 4-4: Table for BNI group record definition

FILE: BNI General Public Health Concerns**GLOBAL: ^BNIGHC(****FILE #: 90511.01**

FIELD #	FIELD NAME	SUBSCRIPT	PIECE	TYPE
.01	GENERAL PUBLIC HEALTH CONCERN	D0,0	1	F
.02	CODE	D0,0	2	N
.03	ASK FOR OTHER TEXT?	D0,0	3	S <input type="checkbox"/>

Figure 4-5: Table for BNI general public health concerns

FILE: BNI Specific Health Topic**GLOBAL: ^BNISHT(****FILE #: 90511.02**

FIELD #	FIELD NAME	SUBSCRIPT	PIECE	TYPE
.01	SPECIFIC HEALTH TOPIC	D0,0	1	F
.02	CODE	D0,0	2	N
.03	GENERAL PUBLIC HEALTH CONCERN	D0,0	3	P
.04	GPRA ITEM?	D0,0	4	S

FIELD #	FIELD NAME	SUBSCRIPT	PIECE	TYPE
.05	ASK FOR OTHER TEXT?	D0,0	5	S
.06	GENERAL TOPIC	D0,0	6	S□

Figure 4-6: Table for BNI specific health topic

FILE: BNI Type of Activity**GLOBAL: ^BNITOA(****FILE #: 90511.03**

FIELD #	FIELD NAME	SUBSCRIPT	PIECE	TYPE
.01	TYPE OF ACTIVITY	D0,0	1	F
.02	CODE	D0,0	2	N
.03	ASK FOR OTHER TEXT?	D0,0	3	P

Figure 4-7: Table for BNI type of activity

FILE: BNI CPHAD Group Served**GLOBAL: ^BNIGS(****FILE #: 90511.04**

FIELD #	FIELD NAME	SUBSCRIPT	PIECE	TYPE
.01	GROUP SERVED	D0,0	1	F
.02	CODE	D0,0	2	N
.03	ASK FOR OTHER TEXT?	D0,0	3	P

Figure 4-8: Table for BNI CPHAD group served

FILE: BNI Activity Setting**GLOBAL: ^BNIAS(****FILE #: 90511.05****(**

FIELD #	FIELD NAME	SUBSCRIPT	PIECE	TYPE
.01	ACTIVITY SETTING	D0,0	1	F
.02	CODE	D0,0	2	N
.03	ASK FOR COMMUNITY?	D0,0	3	P

Figure 4-9: Table for BNI activity setting

FILE: 90511.99 BNI BMX ADO Schema**GLOBAL: ^BNIADO(**

FIELD #	FIELD NAME	SUBSCRIPT	PIECE	TYPE
.01	SCHEMA NAME	D0,0	1	F
.02	FILE OR SUBFILE NUMBER	D0,0	2	N
.03	DATASET IS READ ONLY	D0,0	3	S
1	FIELD NUMBER	(90511.991)		

FIELD #	FIELD NAME	SUBSCRIPT	PIECE	TYPE
.01	FIELD NUMBER	D0,1,D1,0	1	F
.02	DATA TYPE	"	2	S
.03	FIELD LENGTH	"	3	F
.04	COLUMN HEADER	"	4	F
.05	READ ONLY	"	5	S
.06	KEY FIELD	"	6	S
.07	NULL ALLOWED	"	7	S
.08	IEN AUTOMATICALLY INCLUDED	"	8	S
.09	ALWAYS GET INTERNAL VALUE	"	9	S
1	AUTO IDENTIFIER EXTR FUNCT	D0,1,D1,1	E1,240	F
2	SPECIAL UPDATE EP	D0,1,D1,2	E1,245	F
3	EXTR FUNCT FOR TRIGGERED VALU	D0,1,D1,3	E1,245	F
2	VIEW	(90511.992)		
	.01	VIEW	D0,2,D1,0	1
	1	ENTRY POINT	D0,2,D1,1	E1,240
	2	PARAMETER	(90511.9922)	
	.01	PARAMETER	D0,2,D1,2,D2,0	1
	.02	BRIEF DESCRIPTION	"	2
	3	DESCRIPTION	(90511.9923)	
	.01	DESCRIPTION	D0,2,D1,3,D2,0	1

Figure 4-10: Table for BNI BMX ADO schema

FILE: 90512.01 BNI Site Parameters

GLOBAL: ^BNISITE(

FIELD #	FIELD NAME	SUBSCRIPT	PIECE	TYPE
.01	SITE	D0,0	1	P
.02	REQUIRE ACTIVITY SETTING?	D0,0	2	S
.03	COMMUNITY TAXONOMY	D0,0	3	P
1101	COMMUNITIES	(90512.11101)		
	.01	COMMUNITIES	D0,11,D1,0	1 P
1201	PERSONS ALLOWED TO SEE ALL	(90512.11201)		
	.01	PERSONS ALLOWED TO SEE ALL	D0,12,D1,0	1 P

Figure 4-11: Table for BNI site parameters

FILE: 90512.08 BNI 06 GUI Report**GLOBAL: ^BNIGUI(**

FIELD #	FIELD NAME	SUBSCRIPT	PIECE	TYPE
.01	NAME	D0,0	1	F
.02	USER WHO REQUESTED REPORT	"	2	P
.03	START TIME	"	3	D
.04	END TIME	"	4	D
.05	TYPE OF REPORT	"	5	F
.06	STATUS	"	6	S
.07	TYPE OF OUTPUT	"	7	S
1100	PRINT FORMATTED OUTPUT			
.01	OUTPUT	D0,11,D1,0	1	W
1200	DELIMITED FORMATTED OUTPUT	D0,12,d1,0	1	W

Figure 4-12: Table for BNI 06 GUI report

FILE: 90512.87 BNI General Retrieval Items**GLOBAL: ^BNIGRI(**

FIELD #	FIELD NAME	SUBSCRIPT	PIECE	TYPE
.001	NUMBER		N	
.01	ITEM	D0,0	1	F
.02	TYPE	D0,0	2	S
.021	INPUT TX FOR FREE TEXT	D0,21	K	
.022	HELP PROMPT FOR FREE TEXT	D0,22	K	
.025	INPUT TX FOR NUMERIC	D0,25	K	
.026	HELP PROMPT FOR NUMERIC	D0,26	K	
.03	QMAN TERM	D0,0	3	F
.04	FILE, FIELD FOR DIR/DIQ	D0,0	4	F
.05	PRINT/SELECT/SORT	D0,0	5	F
.06	COLUMN HEADER	D0,0	6	F
.07	SUGGESTED COLUMN WIDTH	D0,0	7	N
.08	MULT LOGIC	D0,0	8	S
.09	ORDER ON MENU	D0,0	9	N
.11	RECORD	D0,0	11	F
.12	PRINT MENU HEADER	D0,0	12	F
.13	DATE RANGE NECESSARY	D0,0	13	S
.14	GUI LOOKUP VALUE	D0,0	14	F
1	SCREEN LOGIC	D0,1	K	
2	TRANSLATION LOGIC	D0,2	K	
3	PRINT LOGIC	D0,3	K	
4	SORT LOGIC	D0,4	K	
99991	DAY OF WEEK	D0,9999	1	S□
.02	REPORTS	"	2	F
.03	SEL	"	3	F

Figure 4-13: Table for BNI general retrieval items

FILE: BNI General Retrieval TMP**GLOBAL: ^BNIRTMP(****FILE #: 90512.88**

FIELD #	FIELD NAME	SUBSCRIPT	PIECE	TYPE
.01	\$J_\$H	D0,0	1	F
.02	PERMANENT	"	2	S
.03	NAME OF REPORT	"	3	F
.04	SEPARATE PAGE	"	4	S
.05	COUNT TYPE	"	5	S
.06	RECORD	"	6	S
.07	SORT ITEM	"	7	P
.08	SORT TEXT	"	8	F
.09	PACKAGE	"	9	F
.11	DATE RANGE NECESSARY	"	11	S
.12	FLAT FILE NAME	"	12	F
.13	USER CREATED	"	13	P
1101	SCREEN ITEMS	(90512.89101)		
	.01	SCREEN ITEMS	D0,11,D1,0	1
P				
	.02	ITEM 2	"	2
F				
	1101	ITEM VALUE	(90512.8910101)	
	.01	ITEM VALUE	D0,11,D1,11,D2,0	1
F				
	.02	ITEM VALUE 2	"	2
F				
1102	PRINT ITEMS	(90512.89102)		
	.01	PRINT ITEMS	D0,12,D1,0	1
P				
	.02	LENGTH	"	2
N				

Figure 4-14: Table for BNI general retrieval TMP

5.0 Archiving and Purging

There is no archiving and purging in this package.

6.0 External Relations

6.1 External Calls

This package calls the following documented entry points:

6.2 Callable Routines

There are no published entry points in this package.

Routine	Is Invoked by
^BNIRP1	opt
BNIG^BNIRP1	BNIGU
^BNIRP2	opt
^BNIRP3	opt
^BNIRP4	opt
^BNIRP5	opt
^BNIRP6	opt
^BNIRP7	opt
^BNITAS	opt
EP^BNITAXE	BNITAXT
^BNITAXT	opt
^BNITGHC	opt
^BNITGS	opt
^BNITSHT	opt
^BNITTOA	opt
EN^DDIOL	BNIE
^DDS	BNIE,BNIG
REFRESH^DDSUTL	BNIE,BNIG
REQ^DDSUTL	BNIE,BNIG
UNED^DDSUTL	BNIE,BNIG
\$\$GET^DDSVAL	BNIE,BNIG
PUT^DDSVAL	BNIE,BNIG
^DIC	BNIE,BNIG,BNIGVL,BNIGVL0,BNIRP1,BNITAXE, BNITAXT,BNIU dd90510, dd90510.5, dd90512.01
IX^DIC	BNIGVL,BNIGVLD
FILE^DICN	BNIE,BNIG,BNIGVL,BNIPOST,BNIRP1,BNIRP2,B NIRP3,BNIRP4 BNIRP5,BNIRP6,BNIRP7,BNITAXE
^DICR	dd90510.0115, dd90510.5115, dd90512.88
^DIE	BNIE,BNIG,BNIGVL,BNIGVL3,BNIGVL4,BNIRP1, BNIRP2,BNIRP3, BNIRP4,BNIRP5,BNIRP6,BNIRP7,BNITAXE,BNIT AXT
FILE^DIE	BNIGE
UPDATE^DIE	BNIGE
WP^DIE	BNIGE
^DIK	BNIE,BNIG,BNIGE,BNIGU,BNIGVL,BNIGVLD,BN IPOST,BNITAXT
ENALL^DIK	BNIPOST

Routine	Is Invoked by
IX1^DIK	BNIG,BNIGVL,BNIPOST,BNIRP1,BNIRP2,BNIRP3,BNIRP4,BNIRP5, BNIRP6,BNIRP7
^DIM	dd90512.87
\$\$GET1^DIQ	BNIGT,BNIGU
EN^DIQ	BNIE
EN^DIQ1	BNIGVLP,BNIGVLP8
^DIR	BNIE,BNIG,BNIGVL,BNIGVL0,BNIGVL3,BNIGVL4,BNIGVLD, BNIRP6,BNIRP7,BNITAS,BNITAXE,BNITAXT,BNITGHC,BNITGS
^DIWP	BNIGVLP1
EN^VALM	BNIE,BNIGVL4,BNIRD,BNITAXE,BNITAXT
TERM^VALM0	BNIE,BNIGVL4,BNIRD,BNIRDSG,BNITAXE,BNITAXT
\$\$SETSTR^VALM1	BNIRDSG□
CLEAR^VALM1	BNIE,BNIG,BNIGVL4,BNIRD,BNITAXE,BNITAXT
FULL^VALM1	BNIE,BNIG,BNIGVL4,BNIRD,BNITAXE,BNITAXT
^XBDBQUE	BNIGVL,BNIRP1,BNIRP2,BNIRP3,BNIRP4,BNIRP5,BNIRP6,BNIRP7, BNITAS,BNITGHC,BNITGS,BNITSHT,BNITTOA
\$\$VAL^XBDIQ1	BNIE,BNIRP1,BNIRP2,BNIRP3,BNIRP4,BNIRP5, BNIRP6,BNIRP7, BNITAS,BNITAXE,BNITGHC,BNITGS,BNITSHT, BNITTOA
\$\$VALI^XBDIQ1	BNIRP1,BNIRP2,BNIRP3,BNIRP4,BNIRP5,BNIRP6,BNIRP7
ENP^XBDIQ1	BNIRDSG
^XBFMK	BNIE,BNIGVL,BNIPOST,BNIRP1,BNIRP2,BNIRP3,BNIRP4,BNIRP5, BNIRP6,BNIRP7,BNITAXE,BNITAXT
^XBGSAVE	BNIGVLP2
GUIR^XBLM	BNIGU,BNIGVL,BNIRP1,BNIRP2,BNIRP3,BNIRP4,BNIRP5,BNIRP6
BNIRP7	
EN^XBNEW	BNIRD
EN^XBVK	BNIE,BNIG,BNIGVL1,BNIGVLP8,BNIRP1,BNIRP2,BNIRP3,BNIRP4
\$\$DOW^XLFDT	BNIRP7
\$\$FMADD^XLFDT	BNIGVLU,BNIRP1,BNIRP2,BNIRP3,BNIRP4,BNIRP5,BNIRP6,BNIRP7
\$\$FMTE^XLFDT	BNIE,BNIG,BNIGE,BNIGU,BNIGVL,BNIRDSG,BNIRP1,BNIRP2
BNIRP3,BNIRP4,BNIRP5,BNIRP6,BNIRP7	
\$\$NOW^XLFDT	BNIGE,BNIGVL,BNIRP1,BNIRP2,BNIRP3,BNIRP4,BNIRP5,BNIRP6
BNIRP7	
\$\$REPEAT^XLFSTR	BNIE,BNIRP1,BNIRP2,BNIRP3,BNIRP4,BNIRP5, BNIRP6,BNIRP7, BNITAS,BNITGHC,BNITGS,BNITSHT,BNITTOA
\$\$UP^XLFSTR	dd90512.87
DISP^XQORM1	BNIE,BNIGVL4,BNIRD,BNITAXE,BNITAXT

Figure 6-1: Table for callable routines

6.3 Exported Options

Option Name	Option Title
BNI AS TABLE LISTING	Activity Setting Table Listing
BNI COMMUNITY TAXONOMY SETUP	Update Community Taxonomy
BNI EDIT SITE PARAMETERS	Edit Site Parameters
BNI ENTER DATA	Enter Activity Record
BNI GHC TABLE LISTING	General Public Health Concern Table Listing
BNI GROUP ENTRY	Group Activity Entry
BNI GROUP TABLE LISTING	Group Served Table Listing
BNI REPORTS MENU	CPHAD Reports
BNI RPT GENERAL RETRIEVAL	CPHAD General Retrieval
BNI RPT TIME SPENT BY ACT SET	Time Spent by Activity Setting
BNI RPT TIME SPENT BY DATE	Time Spent by Date of Activity
BNI RPT TIME SPENT BY PERSON	Time Spent by Person Performing Activity
BNI RPT TIME SPENT BY PHC	Time Spent by Public Health Concern
BNI RPT TIME SPENT BY SHT	Time Spent by Specific Health Topic
BNI RPT TIME SPENT BY TOA	Time Spent by Type of Activity
BNI RPT TIME SPENT GPRA	Time Spent on GPRA Elements
BNI SHT TABLE LISTING	Specific Health Topic Table Listing
BNI TABLE LISTINGS	Table Listings
BNI TOA TABLE LISTING	Type of Activity Table Listing
BNIMENU	Public Health Activity Reporting System (CPHAD)
BNIRPC	BNI Application Context

Figure 6-2: Table for exported options

7.0 Internal Relations

All users should be given the access to the appropriate options and keys to them, as needed. All of the options in this system stand alone.

8.0 How to Generate Online Documentation

The file number range for this package is 90510 through 90512. The namespace is BNI. All templates, routines, screen forms, etc. begin with BNI.

This section describes some of the methods by which users can generate IHS COMMUNITY PUBLIC HEALTH DATA SYSTEM technical documentation. Online technical documentation pertaining to the IHS COMMUNITY PUBLIC HEALTH DATA SYSTEM reporting software, in addition to that which is located in the help prompts and on the help screens throughout the IHS Community Health Data System, can be generated through the use of several kernel options. These include, but are not limited to, the following:

- %INDEX
- Menu Management
- Inquire Option
- Print Option File
- VA FileMan
- Data Dictionary Utilities
- List File Attributes

Entering question marks at the “Select...Option” prompts can also provide users with valuable technical information. For example, a single question mark (?) lists all options that can be accessed from the current option. Entering two question marks (??) lists all options accessible from the current one, showing the formal name and lock for each. Three question marks (???) displays a brief description for each option in a menu, whereas an option name preceded by a question mark (?OPTION) shows extended help, if available, for that option.

For a more exhaustive option listing and further information about other utilities that supply online technical information, please consult the DHCP Kernel Reference manual.

8.1 %INDEX

This option analyzes the structure of a routine to determine in part if the routine adheres to RPMS Programming Standards. The %INDEX output can include the following components:

- Compiled list of errors and warnings
- Routine listing
- Local variables
- Global variables

- Naked globals
- Label references
- External references

By running %INDEX for a specified set of routines, you are afforded the opportunity to discover any deviations from RPMS Programming Standards that exist in the selected routines and to see how routines interact with one another (i.e., which routines call or are called by other routines).

To run %INDEX for the IHS Community Public Health Data System package, specify the BNI namespace at the Routine(s)?> prompt.

8.2 Inquire Option

This menu management option provides the following information about a specified option:

- Option name
- Menu text
- Option description
- Type of option
- Lock (if any)

In addition, all items on the menu are listed for each menu option. To secure information about IHS Community Public Health Data System options, you must specify the BNI namespace.

8.3 Print Option File

This utility generates a listing of options from the Option file (#19). You can choose to print all of the entries in this file or you can specify a single option or range of options. For a list of IHS Community Public Health Data System options, please refer to the Exported Options section of this manual.

8.4 List File Attributes

This VA FileMan option allows you to generate documentation pertaining to files and file structure. Using the Standard format of this option yields the following data dictionary information for a specified file:

- File name and description
- Identifiers
- Cross-references

- Files pointed to by the file specified
- Files that point to the file specified input, print, and sort templates

In addition, the following applicable data is supplied for each field in the file:

- Field name, number, title, and description
- Global location
- Help prompt
- Cross-references
- Input transform
- Date last edited
- Notes

Using the Global Map format of this option generates an output that lists the following information:

- All cross-references for the file selected
- Global location of each field in the file
- Input, print, and sort templates

For a comprehensive listing of this package's files, please refer to the files section of this manual.

9.0 SAC Exemptions

This program uses a standard global for export of data to the Area office. The global is called ^BNIDATA(and is killed at the root level in various routines.

The kill of these unsubscripted globals has been approved by the Standards and Conventions committee.

10.0 Glossary

Term	Definition
Archiving	The storing of historical or little-used data off-line (often on tape).
Banner	A line of text with a user's name and domain.
Browser	An interactive application that displays ASCII text on a terminal that supports a scroll region. The text can be in the form of a word-processing field or sequential local or global array. The user is allowed to navigate freely within the document.
Callable Entry Points	Places within a routine that can be called from an application program.
Cross-reference	An indexing method whereby files can include pre-sorted lists of entries as part of the stored database. Cross-references (x-refs) facilitate look-up and reporting.
Entry Point	Entry point within a routine that is referenced by a "DO" or "GOTO" command from a routine internal to a package.
File	A set of related records or entries treated as a single unit.
FileMan	The database management system for RPMS.
Global	In MUMPS, global refers to a variable stored on disk (global variable) or the array to which the global variable may belong (global array).
ICD	International Classification of Diseases.
INDEX (%INDEX)	A Kernel utility used to verify routines and other MUMPS code associated with a package. Checking is done according to current ANSI MUMPS standards and RPMS programming standards. This tool can be invoked through an option or from direct mode (>D ^%INDEX).
IRM	Information Resource Management: the IHS personnel responsible for information systems management and security.
Kernel	The set of MUMPS software utilities that function as an intermediary between the host operating system and application packages, such as Laboratory and Pharmacy. The kernel provides a standard and consistent user and programmer interface between application packages and the underlying MUMPS implementation. These utilities provide the foundation for RPMS.
Menu	A list of choices for computing activity. A menu is a type of option designed to identify a series of items (other options) for presentation to the user for selection. When displayed, menu-type options are preceded by the word "Select" and followed by the word "option" as in Select Menu Management option: (the menu's select prompt).
Namespace	A unique set of 2 to 4 alpha characters that are assigned by the database administrator to a software application.
Option	An entry in the Option file. As an item on a menu, an option provides an opportunity for users to select it, thereby invoking the associated computing activity. Options may also be scheduled to run in the background, non-interactively, by TaskMan.

Term	Definition
Patient Care Component (PCC)	The central repository for data in the Resource and Patient Management System (RPMS).
Queuing	Requesting that a job be processed at a later time rather than within the current session.
Routine	A program or sequence of instructions called by a program that may have some general or frequent use. MUMPS routines are groups of program lines that are saved, loaded, and called as a single unit via a specific name.
UCI	User Class Identification: a computing area.
Up-Hat (^)	A circumflex, also know as a "hat" or "caret," that is used as a piece delimiter in a global. The up-hat is denoted as "^" and is typed by pressing Shift+6 on the keyboard.
Utility	A callable routine line tag or function. A universal routine usable by anyone.
Variable	A character or group of characters that refers to a value. MUMPS recognizes 3 types of variables – local variables, global variables, and special variables. Local variables exist in a partition of the main memory and disappear at sign-off. A global variable is stored on disk, potentially available to any user. Global variables usually exist as parts of global arrays.

11.0 Contact Information

If you have any questions or comments regarding this distribution, please contact the OIT Help Desk (IHS).

Phone: (505) 248-4371 or (888) 830-7280 (toll free)

Fax: (505) 248-4363

Web: <http://www.ihs.gov/GeneralWeb/HelpCenter/Helpdesk/index.cfm>

Email: support@ihs.gov