

# International Classification of Diseases, 10<sup>th</sup> Edition, Clinical Modification (ICD-10-CM) and Procedure Coding System (ICD-10-PCS) Code Sets

ICD\*18.0\*57 LEX\*2.0\*80



**INSTALLATION GUIDE** 

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### 1. Pre-Installation Information

The ICD-10 Implementation project is comprised of three major components. The first is a Kernel Installation and Distribution System (KIDS) distribution with two builds containing updated data dictionaries (DDs), application programmer interfaces (APIs), routines, and options. The first build is the ICD Coding System build and the second is the Lexicon Utility. The builds are contained in a single multi-package KIDS distribution and will be installed in the order listed below:

Global Host File Name: ICD\_18\_57.GBL
KIDS Host File Name: ICD\_18\_57.KID
Install Name: ICD\*18.0\*57

Order of

InstallationInstall Name (to install)Contents1stICD\_18\_57.GBL^LEXM (data)(using ^%GI)2ndICD\_18\_57.KIDICD\*18.0\*573rdLEX\*2.0\*80

The second major component is a global host file containing the data.

Global Host File Name: ICD\_18\_57.GBL

The third component is the accompanying documentation, including Technical Manuals and User Manuals.

Lexicon Technical Manual Lexicon User Manual ICD Technical Manual

## 1.1 Minimum Required Packages

Before installing ICD-10, make sure that your system includes the following Department of Veterans Affairs (VA) software packages and versions (those listed or higher).

## 1.2 Minimum Required Packages and Versions

PACKAGE	MINIMUM VERSION	COMMENT
DRG Grouper	18.0	
Lexicon Utility	2.0	
Kernel	8.0	TaskMan Running, place in WAIT state for the installation
MailMan	8.0	Running
VA FileMan	22.0	

# 1.3 Required, Companion and Other Builds

# 1.3.1 Required Builds

Build	Required Build	Released	Content
ICD*18.0*57	ICD*18.0*6	Sep 24, 2003	Code Set Versioning
	ICD*18.0*12	Oct 08, 2004	Code Text Descriptors
	ICD*18.0*15	Jun 09, 2005	Legacy APIs Fixes
	ICD*18.0*29	Nov 15, 2007	ICD Legacy APIs Fixes
	LEX*2.0*81	Feb 14, 2012	AWRD Cross-Reference fix
	PSO*7.0*404	Aug 14, 2012	Global Read of ICD files
	ONC*2.11*56	Sep 27, 2012	Global Read of ICD files
	RA*5.0*112	Apr 17, 2013	Global Read of ICD files
	ICD*18.0*62	May 01, 2013	DRG Grouper Fixes
	GMPL*2.0*43	May 14, 2013	Global Read of ICD files
	TIU*1.0*267	May 14, 2013	Global Read of ICD files
	ICD*18.0*69	Jun 21, 2013	DRG Grouper Fixes
	DG*5.3*870	Jul 15, 2013	Global Read of ICD files
	IBD*3.0*64	Sep 03, 2013	Global Read of ICD files
	LR*5.2*429	Sep 18, 2013	Global Read of ICD files
	ACKQ*3.0*22	Dec 12, 2013	Global Read of ICD files
	LEX*2.0*94	Jan 14, 2014	FY14 2nd Qtr Data Update
LEX*2.0*80	LEX*2.0*25	Sep 24, 2003	Code Set Versioning
	LEX*2.0*30	Oct 08, 2004	Code Text Descriptors
	LEX*2.0*62	May 06, 2009	Code Set Queries
	LEX*2.0*81	Feb 14, 2012	AWRD Cross-Reference fix
	PSO*7.0*404	Aug 14, 2012	Global Read of ICD files
	ONC*2.11*56	Sep 27, 2012	Global Read of ICD files
	RA*5.0*112	Apr 17, 2013	Global Read of ICD files
	ICD*18.0*62	May 01, 2013	DRG Grouper Fixes
	GMPL*2.0*43	May 14, 2013	Global Read of ICD files
	TIU*1.0*267	May 14, 2013	Global Read of ICD files
	ICD*18.0*69	Jun 21, 2013	DRG Grouper Fixes
	DG*5.3*870	Jul 15, 2013	Global Read of ICD files
	IBD*3.0*64	Sep 03, 2013	Global Read of ICD files
	LR*5.2*429	Sep 13, 2013	Global Read of ICD files
	ACKQ*3.0*22	Dec 12, 2013	Global Read of ICD files
	LEX*2.0*94	Jan 14, 2014	FY14 2nd Qtr Data Update

### 1.3.2 Companion Builds

These builds are not required, but should be installed shortly after ICD\*18.0\*57 to address problems with both the ICD-10 and Legacy ICD-9 environments.

Patch	Content	Comment
LR*5.2*422	Anatomic Pathology ICD-10	Required by LR*5.2*421
LR*5.2*421	Emerging Pathogens ICD-10	Requires LR*5.2*422

These builds are not required. They make changes to the DRG Grouper component of the package.

Patch	Released	Content
ICD*18.0*60	Pending	DRG ICD-10 Class I Remediation
ICD*18.0*64	Pending	ICD-10 DRG Grouper

### 1.3.3 Other Noteworthy Builds

Applications that access ICD data have been modified to use ICD-10 data. These changes are exported in to the following patches:

Patch	Package/Content
PX*1.0*199	Patient Care Encounter
IBD*3.0*63	Encounter Forms
SR*3.0*177	Surgery
GMPL*2*42	Problem List
IB*2.0*461	Integrated Billing
GMRC*3.0*73	Consults
OR*3.0*361	Order Entry
FB*3.5*139	Fee Basis
MC*2.3*44	Medicine
ICD*18.0*64	DRG Grouper
DG*5.3*850	Admission, Discharge, Transfer (ADT)
IBD*3.0*65	Encounter Forms
GMTS*2.7*101	Health Summary
RMPR*3*168	Prosthetics
OR*3*353	Group Notes
MD*1.0*29	Clinical Procedures
EC*2*114	Event Capture
EDP*2.0*2	Emergency Department
DSIF*3.2*37	Fee Basis Claims System (FBCS)
MC*2.3*43	Medicine
TIU*1.0*263	Text Integration Utilities
OR*3.0*365	Order Entry for CPRS 29
GMPL*2.0*44	Problem List/Clinical Reminders

PXRM*2.0*26	Clinical Reminders
DG*5.3*862	Patient Treatment File
ICD*18.0*60	DRG Grouper
SD*5.3*586	Scheduling
PRCA*4.5*281	Accounts Receivable
SD*5.3*593	Ambulatory Care
ROR*1.5*19	Clinical Case Registries
HBH*1*25	Hospital Based Home Care
ECX*3*138	DSS Extracts
YS*5.01*107	Mental Health
ACKQ*3*21	QUASAR
SPN*3.0*3	Spinal Cord
PSU*4*19	Pharmacy Benefits Management

# 1.4 New Files

Application	File Name	File Number	<b>Global Root</b>
ICD Grouper v 18.0	ICD CODING SYSTEMS	80.4	^ICDS(
	DRG DIAGNOSIS IDENTIFIER CODES	82	^ICDID(
	DRG PROCEDURE IDENTIFIER CODES	82.1	^ICDIP(
	DRG CC EXCLUSIONS	82.13	^ICDCCEX(
Lexicon Utility v 2.0	CHARACTER POSITIONS	757.033	^LEX(757.033,

# 1.5 Modified Files

Patch LEX\*2.0\*80 writes to the following files:

File Name	File Number	Global Root	ICR
ICD DIAGNOSIS	#80	^ICD9(	ICR 4485
ICD OPERATION/PROCEDURE	#80.1	^ICD0(	ICR 4486
MAJOR CONCEPT MAP	#757	^LEX(757,	N/A
CONCEPT USAGE	#757.001	^LEX(757.001,	N/A
EXPRESSIONS	#757.01	^LEX(757.01,	N/A
CODES	#757.02	^LEX(757.02,	N/A
CODING SYSTEMS	#757.03	^LEX(757.03,	N/A
EXCLUDED WORDS	#757.04	^LEX(757.04,	N/A
REPLACEMENT WORDS	#757.05	^LEX(757.05,	N/A
SEMANTIC MAP	#757.1	^LEX(757.1,	N/A
SUBSET DEFINITIONS	#757.2	^LEXT(757.2,	N/A
SUBSETS	#757.21	^LEX(757.21,	N/A
LOOK-UP SCREENS	#757.3	^LEX(757.3,	N/A
DISPLAYS	#757.31	^LEX(757.31,	N/A

# 1.6 New Options

Patch	Option Name	Option
LEX*2.0*80	Edit Search Threshold for a Coding	[LEX MGR EDIT SEARCH
	System	THRESHOLD]

# 1.7 Modified Options

Patch	Option Name	Option
LEX*2.0*80 ICD-9 Diagnosis Code Set Query		[LEX CSV ICD QUERY]
	ICD-9 Procedure Code Set Query	[LEX CSV ICP QUERY]
	Code History	[LEX CSV HISTORY]
	ICD/CPT Code Set Change List	[LEX CSV ICD/CPT CHANGE LIST]
	Edit Lexicon	[LEX MGR EDIT LEXICON]
	Edit Term Definition	[LEX MGR EDIT DEFN]
	Edit Shortcuts by Context	[LEX MGR EDIT SHORTCUTS]

## 1.8 New Routines

Patch	Routine	Comment
ICD*18.0*57	ICDDIC	ICD DIC Prototype
	ICDDICA	ICD DIC Prototype (ask)
	ICDEX	ICD Data Extract
	ICDEXA	ICD Data Extract replaces ICDAPIU
	ICDEXA2	ICD Data Extract replaces ICDAPIU
	ICDEXA3	ICD Data Extract replaces ICDAPIU
	ICDEXC	ICD Data Extract replaces ICDCODE
	ICDEXC2	ICD Data Extract replaces ICDCODE
	ICDEXC3	ICD Data Extract replaces ICDCODE
	ICDEXC4	ICD Data Extract replaces ICDCODE
	ICDEXD	ICD Data Extract supports DRG
	ICDEXD2	ICD Data Extract supports DRG
	ICDEXD3	ICD Data Extract supports DRG
	ICDEXD4	ICD Data Extract supports DRG
	ICDEXD5	ICD Data Extract supports DRG
	ICDEXH	ICD Data Extract Help
	ICDEXLK	ICD Special Lookup Routine
	ICDEXLK2	ICD Special Lookup Routine
	ICDEXLK3	ICD Special Lookup Routine
	ICDEXLK4	ICD Special Lookup Routine
	ICDEXLK5	ICD Special Lookup Routine
	ICDEXLK6	ICD Special Lookup Routine
	ICDEXS	ICD Data Extract replaces ICDSUPT
	ICDEXS2	ICD Data Extract replaces ICDSUPT
	ICDIDX	Indexing routine replaces ICD0IDX and ICD9IDX

Patch	Routine	Comment
	ICDIDX2	Indexing routine replaces ICD0IDX and ICD9IDX
	ICDSAPI	ICD Search
	ICDTOKN	Parse String into Words
	ICDXCODE	Code Data
LEX*2.0*80	LEX10CS	ICD-10 Coding System Utilities
	LEX10CS2	ICD-10 Coding System Utilities (cont)
	LEX10CX	ICD-10 Suggestion Lookup
	LEX10CX2	ICD-10 Suggestion Lookup – Source
	LEX10CX3	ICD-10 Suggestion Lookup – Target
	LEX10CX4	ICD-10 Suggestion Lookup – Prompt
	LEX10CX5	ICD-10 Suggestion Lookup – Miscellaneous
	LEX10DBC	ICD-10 Diagnosis Lookup by Code
	LEX10DBR	ICD-10 Diagnosis Lookup by Root
	LEX10DBT	ICD-10 Diagnosis Lookup by Text
	LEX10DL	ICD-10 Diagnosis Lookup
	LEX10DLS	ICD-10 Diagnosis Lookup Selection
	LEX10DU	ICD-10 Diagnosis Utilities
	LEX10DX	ICD-10 Diagnosis
	LEX10PL	ICD-10 Procedure Lookup
	LEX10PLA	ICD-10 Procedure Abbreviations
	LEX10PLS	ICD-10 Procedure Selection
	LEX10PR	ICD-10 Procedures
	LEX10TAX	Post-ICD-10 Taxonomies
	LEXDMGS	Manager Edit of Search Threshold
	LEXHLP2	Help routine that includes ICD-10
	LEXQC3	Expanded Query Change Option to include ICD-10
	LEXQC4	Expanded Query Change Option to include ICD-10
	LEXQL4	Expanded Query Lookup option to include ICD-10
	LEXTOKN	Parse Text into Words
	LEXTOKN2	Special Case Words
	LEXU2	Lexicon Utilities CS Data API
	LEXU3	Lexicon Utilities Implementation Date and CS
	LEXU4	Lexicon Utilities PERIOD and HISTORY APIs
	LEXUH	Lexicon Utilities Help
	LEXXM	Mix Case
	LEXXM1	Mix Case (1)
	LEXXM2	Mix Case (2)
	LEXXM3	Mix Case (3)
	LEXXM4	Mix Case (4)
	LEXXM5	Mix Case (5)
	LEXXM6	Mix Case (+6)
	LEXXMM	Mix Case (Miscellaneous)

# 1.9 Modified Routines

Patch	Routine	Comment
ICD*18.0*57	ICDAPIU	Calls data extraction ICDEX*
	ICDCOD	Calls INQ^ICDEX
	ICDCODE	Calls data extraction ICDEX*
	ICDDRG	Calls data extraction ICDEX*
	ICDDRGM	Calls data extraction ICDEX*
	ICDGTDRG	Calls data extraction ICDEX*
	ICDID	File Identifiers modified for ICD-10
	ICDREF	Calls data extraction ICDEX*
	ICDSUPT	Calls data extraction ICDEX*
LEX*2.0*80	LEXA	Removed reference to ^VA(200) ICR 10060
	LEXA1	Modified output to include ICD-10
	LEXA2	First 2 Lines Edited (SACC)
	LEXA3	First 2 Lines Edited (SACC)
	LEXA4	First 2 Lines Edited (SACC)
	LEXAB	Changed how date is handled
	LEXABC	Lookup by Code to include ICD-10
	LEXABC2	First 2 Lines Edited (SACC)
	LEXAFIL	First 2 Lines Edited (SACC)
	LEXAL	Modify Frequency
	LEXAL2	First 2 Lines Edited (SACC)
	LEXALK	Changed how date is handled
	LEXAM	First 2 Lines Edited (SACC)
	LEXAMD	First 2 Lines Edited (SACC)
	LEXAMD2	First 2 Lines Edited (SACC)
	LEXAR	Changed how date is handled
	LEXAR2	First 2 Lines Edited (SACC)
	LEXAR3	Help Text includes ICD-10
	LEXAR4	Changed how date is handled
	LEXAR5	Includes ICD-10 in VAS Selection array
	LEXAR6	Quit saving Unresolved Narratives
	LEXAR7	Documentation only
	LEXAS	First 2 Lines Edited (SACC)
	LEXAS2	First 2 Lines Edited (SACC)
	LEXAS3	First 2 Lines Edited (SACC)
	LEXAS4	First 2 Lines Edited (SACC)
	LEXAS5	First 2 Lines Edited (SACC)
	LEXAS6	First 2 Lines Edited (SACC)
	LEXAS7	First 2 Lines Edited (SACC)
	LEXASC	Changed how date is handled
	LEXASO	Changed how date is handled

Patch	Routine	Comment
	LEXCODE	Added sub-routine Code
	LEXDCC	Removed reference to ^VA(200) ICR 10060
	LEXDCCC	First 2 Lines Edited (SACC)
	LEXDCCS	First 2 Lines Edited (SACC)
	LEXDCX	Removed reference to ^VA(200) ICR 10060
	LEXDCXS	First 2 Lines Edited (SACC)
	LEXDD1	Removed reference to ^VA(200) ICR 10060
	LEXDD2	Removed reference to ^VA(200) ICR 10060
	LEXDD3	First 2 Lines Edited (SACC)
	LEXDD4	Removed reference to ^VA(200) ICR 10060
	LEXDDS	Removed reference to ^VA(200) ICR 10060
	LEXDDSD	First 2 Lines Edited (SACC)
	LEXDDSP	Removed reference to ^VA(200) ICR 10060
	LEXDDSS	First 2 Lines Edited (SACC)
	LEXDDT1	First 2 Lines Edited (SACC)
	LEXDDT2	First 2 Lines Edited (SACC)
	LEXDDTC	First 2 Lines Edited (SACC)
	LEXDDTD	First 2 Lines Edited (SACC)
	LEXDDTF	First 2 Lines Edited (SACC)
	LEXDDTV	First 2 Lines Edited (SACC)
	LEXDFL	Removed reference to ^VA(200) ICR 10060
	LEXDFLC	First 2 Lines Edited (SACC)
	LEXDFLS	First 2 Lines Edited (SACC)
	LEXDFLT	First 2 Lines Edited (SACC)
	LEXDFN	First 2 Lines Edited (SACC)
	LEXDFN2	Check for numeric subset
	LEXDFSB	Documentation
	LEXDFSE	Fix block mismatch error
	LEXDFSI	First 2 Lines Edited (SACC)
	LEXDFSO	First 2 Lines Edited (SACC)
	LEXDFSS	Documentation only
	LEXDFST	First 2 Lines Edited (SACC)
	LEXDM	Documentation only
	LEXDM2	Removed reference to ^VA(200) ICR 10060
	LEXDM3	First 2 Lines Edited (SACC)
	LEXDM4	Remove Defaults by Location
	LEXDMG	First 2 Lines Edited (SACC)
	LEXDMGO	Documentation only
	LEXDMGT	Removed reference to ^VA(200) ICR 10060
	LEXDMGU	Remove Defaults by Location
	LEXDMGV	Remove Defaults by Location
	LEXDSV	First 2 Lines Edited (SACC)
	LEXDVO	Removed reference to ^VA(200) ICR 10060

Patch	Routine	Comment
	LEXDVOS	Remove Defaults by Location
	LEXEDF1	Documentation only
	LEXEDF2	Documentation only
	LEXERF	Documentation only
	LEXERI	Documentation only
	LEXHLP	Documentation only
	LEXLK	First 2 Lines Edited (SACC)
	LEXLK2	Documentation only
	LEXMTLU	Documentation only
	LEXNDX1	Documentation only
	LEXNDX2	Documentation only
	LEXNDX3	Documentation only
	LEXNDX4	Force Uppercase Word Index
	LEXNDX5	Documentation only
	LEXNDX6	Force Uppercase Word Index
	LEXNDX8	Added ICD-10 Cross-References
	LEXPRNT	First 2 Lines Edited (SACC)
	LEXQC	Includes ICD-10, remove ICD global reference
	LEXQC2	Includes ICD-10, remove ICD global reference
	LEXQCM	Modified to use first activation Date
	LEXQCM2	Modified to use future date
	LEXQCP	Modified to use first activation Date
	LEXQCP2	Modified to use future date
	LEXQCPA	Remove extra space character in code
	LEXQH	History routine modified to include ICD-10
	LEXQHL1	History routine modified to include ICD-10
	LEXQHL2	History routine modified to include ICD-10
	LEXQHL3	History routine modified to include ICD-10
	LEXQHL4	History routine modified to include ICD-10
	LEXQHL5	History routine modified to include ICD-10
	LEXQHLM	History routine modified to include ICD-10
	LEXQID	ICD DX Query modified to include ICD-10
	LEXQID2	ICD DX Query modified to include ICD-10
	LEXQID3	ICD DX Query modified to include ICD-10
	LEXQID4	ICD DX Query modified to include ICD-10
	LEXQIDA	ICD DX Query modified to include ICD-10
	LEXQIP	ICD Proc Query modified to include ICD-10
	LEXQIP2	ICD Proc Query modified to include ICD-10
	LEXQIP3	ICD Proc Query modified to include ICD-10
	LEXQIPA	ICD Proc Query modified to include ICD-10
	LEXQL	Code Lookup modified to include ICD-10
	LEXQL2	Code Lookup modified to include ICD-10
	LEXQL3	Code Lookup modified to include ICD-10

Patch	Routine	Comment
	LEXQM	Fix date prompt
	LEXRX	Documentation only
	LEXRXB	Documentation only
	LEXRXC	Documentation only
	LEXRXD	Documentation only
	LEXRXE	Documentation only
	LEXRXF	Change Parsing
	LEXRXG	Documentation only
	LEXRXD4	Modified for new Data Dictionary
	LEXRXXP	Change Parsing
	LEXRXXS	Documentation only
	LEXRXXT3	Fix Subscript Error
	LEXSC	Documentation only
	LEXSC2	Documentation only
	LEXSC3	Documentation only
	LEXSET	Changed how date is handled
	LEXSET2	First 2 Lines Edited (SACC)
	LEXSET3	First 2 Lines Edited (SACC)
	LEXSET4	First 2 Lines Edited (SACC)
	LEXSET5	Removed reference to ^VA(200) ICR 10060
	LEXSRC2	Added coding system
	LEXTRAN	Modified how coding system retrieved
	LEXTRAN1	Added CSI sub-routine (code system IEN)
	LEXU	Added ICD-10 related sub-routines
	LEXXFI	Documentation only
	LEXXFI3	Documentation only
	LEXXFI4	Documentation only
	LEXXFI6	Documentation only
	LEXXFI7	Documentation only
	LEXXFI8	Documentation only
	LEXXFQ	Documentation only
	LEXXGI	Do not invoke the protocol (LEXNOPRO)
	LEXXGI2	Do not invoke the protocol (LEXNOPRO)
	LEXXGI3	Remove ICD global reference
	LEXXGI4	Repair Indexes
	LEXXII	Documentation only
	LEXXII2	Documentation only

## 1.10 Deleted Routines

Patch	Routine	Comment
ICD*18.0*57	ICD1857	Environment Check, Deleted by Site
	ICD1857P	Post-Install, Deleted by Site
	ICD0IDX	ICD0 Indexing Routine
	ICD9IDX	ICD9 Indexing Routine
LEX*2.0*80	LEX2080	Environment Check, Deleted by Site
	LEX2080A	Post-Install, Deleted by Site
	LEX2080B	Post-Install, Deleted by Site
	LEX2080C	Post-Install, Deleted by Site
	LEX2080P	Post-Install, Deleted by Site
	LEXIENV	Old Environment Check
	LEXILG	LEXILG* Old Post-Install
	LEXILGD	LEXILG* Old Post-Install
	LEXILGO	LEXILG* Old Post-Install
	LEXILGP	LEXILG* Old Post-Install
	LEXILGU	LEXILG* Old Post-Install
	LEXILGX	LEXILG* Old Post-Install
	LEXLGM	LEXLG* Lexicon Survey
	LEXLGM2	LEXLG* Lexicon Survey
	LEXLGM3	LEXLG* Lexicon Survey
	LEXPL	LEXPL* Problem List Survey
	LEXPLEM	LEXPL* Problem List Survey
	LEXPLIA	LEXPL* Problem List Survey
	LEXPLUP	LEXPL* Problem List Survey
	LEXTOLKN	Parse Text into Words
	LEXXST	LEXXST* Lexicon Status Report
	LEXXST2	LEXXST* Lexicon Status Report
	LEXXST3	LEXXST* Lexicon Status Report
	LEXXST4	LEXXST* Lexicon Status Report

# 1.11 New or Modified APIs (supported)

Patch	API	ICR
ICD*18.0*57	\$\$ICDDX^ICDCODE	ICR 3990, Modified
	\$\$ICDOP^ICDCODE	ICR 3990, Modified
	\$\$ICDD^ICDCODE	ICR 3990, Modified
	\$\$CODEN^ICDCODE	ICR 3990, Modified
	\$\$CODEC^ICDCODE	ICR 3990, Modified
	\$\$STATCHK^ICDAPIU	ICR 3991, Modified
	\$\$NEXT^ICDAPIU	ICR 3991, Modified
	\$\$PREV^ICDAPIU	ICR 3991, Modified
	\$\$HIST^ICDAPIU	ICR 3991, Modified

Patch	API	ICR
	\$\$DTBR^ICDAPIU	ICR 3991, Modified
	\$\$MSG^ICDAPIU	ICR 3991, Modified
	PERIOD^ICDAPIU	ICR 3991, Modified
	\$\$ICDDATA^ICDXCODE	ICR 5699, New
	\$\$ICDDESC^ICDXCODE	ICR 5699, New
	\$\$STATCHK^ICDXCODE	ICR 5699, New
	\$\$HIST^ICDXCODE	ICR 5699, New
	\$\$NEXT^ICDXCODE	ICR 5699, New
	\$\$PREV^ICDXCODE	ICR 5699, New
	\$\$PERIOD^ICDXCODE	ICR 5699, New
	SEARCH^ICDSAPI	ICR 5757, New
LEX*2.0*80	\$\$PCSDIG^LEX10CS	ICR 5681, New
	\$\$DIAGSRCH^LEX10CS	ICR 5681, New
	\$\$ICDSRCH^LEX10CS	ICR 5681, New
	\$\$CODELIST^LEX10CS	ICR 5681, New
	\$\$DX^LEXU	ICR 5679, New
	\$\$D100NE^LEXU	ICR 5679, New
	\$\$P10ONE^LEXU	ICR 5679, New
	\$\$ONE^LEXU	ICR 5679, New
	\$\$D10^LEXU	ICR 5679, New
	\$\$ALL^LEXU	ICR 5679, New
	\$\$SCT^LEXU	ICR 5679, New
	\$\$HIST^LEXU	ICR 5679, New
	\$\$PERIOD^LEXU	ICR 5679, New
	\$\$CSDATA^LEXU	ICR 5679, New
	\$\$IMPDATE^LEXU	ICR 5679, New
	\$\$NXSAB^LEXU	ICR 5679, New
	\$\$CSYS^LEXU	ICR 5679, New
	\$\$FREQ^LEXU	ICR 5679, New
	\$\$MAX^LEXU	ICR 5679, New
	\$\$PAR^LEXU	ICR 5679, New
	\$\$CAT^LEXU	ICR 5679, New

# 1.12 New APIs (by subscription)

Patch	API	ICR
ICD*18.0*57	\$\$ICDDX^ICDEX	ICR 5747, New
	\$\$ICDOP^ICDEX	ICR 5747, New
	\$\$ICDD^ICDEX	ICR 5747, New
	\$\$CODEN^ICDEX	ICR 5747, New
	\$\$CODEC^ICDEX	ICR 5747, New
	\$\$CODEBA^ICDEX	ICR 5747, New
	\$\$CODEABA^ICDEX	ICR 5747, New
	\$\$CODEFI^ICDEX	ICR 5747, New
	\$\$CODECS^ICDEX	ICR 5747, New

Patch	API	ICR
	\$\$CSI^ICDEX	ICR 5747, New
	\$\$VMDC^ICDEX	ICR 5747, New
	\$\$VAGEL^ICDEX	ICR 5747, New
	\$\$VAGEH^ICDEX	ICR 5747, New
	\$\$VCC^ICDEX	ICR 5747, New
	\$\$VCCP^ICDEX	ICR 5747, New
	\$\$VSEX^ICDEX	ICR 5747, New
	\$\$SAI^ICDEX	ICR 5747, New
	\$\$VST^ICDEX	ICR 5747, New
	\$\$VLT^ICDEX	ICR 5747, New
	\$\$VSTD^ICDEX	ICR 5747, New
	\$\$VSTP^ICDEX	ICR 5747, New
	\$\$VLTD^ICDEX	ICR 5747, New
	\$\$VLTP^ICDEX	ICR 5747, New
	\$\$SD^ICDEX	ICR 5747, New
	\$\$LD^ICDEX	ICR 5747, New
	\$\$SDH^ICDEX	ICR 5747, New
	\$\$LDH^ICDEX	ICR 5747, New
	PAR^ICDEX	ICR 5747, New
	\$\$STATCHK^ICDEX	ICR 5747, New
	\$\$DTBR^ICDEX	ICR 5747, New
	\$\$IMP^ICDEX	ICR 5747, New
	\$\$MSG^ICDEX	ICR 5747, New
	\$\$SEL^ICDEX	ICR 5747, New
	\$\$NEXT^ICDEX	ICR 5747, New
	\$\$PREV^ICDEX	ICR 5747, New
	\$\$HIST^ICDEX	ICR 5747, New
	\$\$PERIOD^ICDEX	ICR 5747, New
	\$\$OBA^ICDEX	ICR 5747, New
	\$\$OD^ICDEX	ICR 5747, New
	\$\$DLM^ICDEX	ICR 5747, New
	\$\$CS^ICDEX	ICR 5747, New
	\$\$EFF^ICDEX	ICR 5747, New
	\$\$IA^ICDEX	ICR 5747, New
	\$\$LA^ICDEX	ICR 5747, New
	\$\$LI^ICDEX	ICR 5747, New
	\$\$LS^ICDEX	ICR 5747, New
	\$\$NUM^ICDEX	ICR 5747, New
	\$\$COD^ICDEX	ICR 5747, New
	\$\$IE^ICDEX	ICR 5747, New
	\$\$FILE^ICDEX	ICR 5747, New
	\$\$ROOT^ICDEX	ICR 5747, New
	\$\$SYS^ICDEX	ICR 5747, New

Patch	API	ICR
	\$\$SINFO^ICDEX	ICR 5747, New
	\$\$SNAM^ICDEX	ICR 5747, New
	\$\$SAB^ICDEX	ICR 5747, New
	\$\$EXC^ICDEX	ICR 5747, New
	\$\$VER^ICDEX	ICR 5747, New
	\$\$ISA^ICDEX	ICR 5747, New
	\$\$ISVALID^ICDEX	ICR 5747, New
	\$\$EXIST^ICDEX	ICR 5747, New
	\$\$GETDRG^ICDEX	ICR 5747, New
	MD^ICDEX	ICR 5747, New
	\$\$EFM^ICDEX	ICR 5747, New
	\$\$FY^ICDEX	ICR 5747, New
	\$\$VMDCDX^ICDEX	ICR 5747, New
	\$\$VMDCOP^ICDEX	ICR 5747, New
	\$\$REF^ICDEX	ICR 5747, New
	MDCG^ICDEX	ICR 5747, New
	\$\$MDCT^ICDEX	ICR 5747, New
	\$\$MDCD^ICDEX	ICR 5747, New
	\$\$MOR^ICDEX	ICR 5747, New
	\$\$UPDX^ICDEX	ICR 5747, New
	\$\$NOT^ICDEX	ICR 5747, New
	\$\$REQ^ICDEX	ICR 5747, New
	\$\$NCC^ICDEX	ICR 5747, New
	\$\$ICDID^ICDEX	ICR 5747, New
	\$\$ICDSTR^ICDEX	ICR 5747, New
	\$\$ICDIDS^ICDEX	ICR 5747, New
	\$\$ISOWNCC^ICDEX	ICR 5747, New
	\$\$ICDRGCC^ICDEX	ICR 5747, New
	INQ^ICDEX	ICR 5747, New
	\$\$EFD^ICDEX	ICR 5747, New
	\$\$PDXE^ICDEX	ICR 5747, New
	\$\$DRG^ICDEX	ICR 5747, New
	\$\$DRGDES^ICDEX	ICR 5747, New
	\$\$DRGD^ICDEX	ICR 5747, New
	\$\$DRGN^ICDEX	ICR 5747, New
	\$\$GETDATE^ICDEX	ICR 5747, New
	LK^ICDEX	ICR 5747, New
	\$\$LKTX^ICDEX	ICR 5747, New
	Y^ICDEX	ICR 5747, New
	TOKEN^ICDEX	ICR 5747, New
	\$\$WORD^ICDEX	ICR 5747, New
	\$\$IEN^ICDEX	ICR 5747, New
LEX*2.0*80	EN1^LEX10CX	ICR 5840, New

Patch		API	ICR
		EN2^LEX10CX	ICR 5840, New
		EN3^LEX10CX	ICR 5840, New

# 1.13 Modified Documentation

Patch	File Name	Content
ICD*18.0*57	ICD_18_57_ICDTM.PDF	ICD Technical Manual
LEX*2.0*80	ICD_18_57_LEXTM.PDF	Lexicon Technical Manual
	ICD_18_57_LEXUM.PDF	Lexicon User Manual

# 1.14 Remedy Tickets

Build	Ticket	Summary	Content
ICD*18.0*57	ICD*18.0*57 221565 Duplicate ICD Procedure code 32.41		Original
	223750	Duplicate ICD Procedure code 32.41	Duplicate of 221565
	239262	Duplicate ICD Procedure code 32.41	Duplicate of 221565
	331089 Duplicate ICD Procedure code 32.41		Duplicate of 221565
	333612 Duplicate ICD Procedure code 32.41		Duplicate of 221565
	340389	Duplicate ICD Procedure code 32.41	Duplicate of 221565
	222300	Text Histories for Problem List	
LEX*2.0*80 609125 %DT variable in CODE^LEXTRA		%DT variable in CODE^LEXTRAN	
	736579	ICD-9 Filter displays DSM-IV Codes	

#### 2 ICD-10 Code Set Installation Instructions

This is a multi-package KIDS Distribution consisting of two host files containing two builds and one global:

Host File	Component	Content
ICD_18_57.KID	ICD*18.0*57	ICD-10-CM/PCS Coding System Implementation
	LEX*2.0*80	ICD-10-CM/PCS Lexicon Implementation
ICD_18_57.GBL	^LEXM	Lexicon data export global

## 2.1 Common Installation Errors and Warnings

This KIDS distribution has been installed multiple times in numerous namespaces with two common errors. There are also five specific warnings to heed:

#### 2.1.1 Control Character Error on Global Save

An error may occur while creating a backup copy of the ^LEX global with a warning "Global ^LEX contains control characters." This is caused by the UNRESOLVED NARRATIVE FILE 757.06 containing the provider's exact input, including backspace and tab characters. (See the section "Backup Preparation")

## 2.1.2 Full File Error during FTP/Global Load

To avoid the **FULLFILE** error ensure that sufficient free disk space is available before starting (see the section "Disk Capacity Requirements for ICD-10")

## 2.1.3 WARNING: Install during Non-Peak Hours

It is recommended that this patch be installed during non-peak hours. During the installation the ICD DIAGNOSIS file #80 and ICD OPERATION/PROCEDURE file #80.1 will not exist.

# 2.1.4 WARNING: Users must be off of the system for the KIDS Install

All steps leading up to the <u>KIDS Installation</u> may be done with the users on the system. Users must be off of the system during the KIDS installation. Applications, particularly clinical and fiscal applications that use ICD Diagnosis and Procedure, could encounter significant errors if exercised during the install.







# 2.1.5 WARNING: Place TaskMan in a Wait State for the Installation



TaskMan must remain running but in a WAIT state for the duration of the KIDS installation. Once the install is complete, restore TaskMan by removing TaskMan from a WAIT state.

# 2.1.6 WARNING: Installation will Temporarily Delete the ICD Coding Files



This install will completely delete the Data Dictionaries and data for both the ICD DIAGNOSIS file #80 and the ICD OPERATION/PROCEDURE file #80.1 and then rebuild them. The process takes about 2 hours.

#### 2.1.7 WARNING: Do not Interrupt the Installation



If the pre-install runs and deletes the ICD files and the post-install does not run, the site may be left with either missing or incomplete ICD files.

#### 2.1.8 WARNING: Do not Queue this Installation



This installation is interactive. If it is queued, it will hang and not install.

# 2.1.9 WARNING: Do not install if Window's Updates are Scheduled/Pending



Check with local network support that no Window's updates are scheduled for the period of the ICD-10 install. Also, check the toolbar and see if there is a Window's Update icon for a pending Window's update from a previous push. A Window's update will disrupt the session and the KIDS installation.



## 2.2 System Resource Requirements

The ICD-10 Code Set installation requires the modification of the ICD Diagnosis file #80, ICD Procedure file #80.1, and the Lexicon Coding System file #757.03. It adds the ICD Coding System file #80.4 and the Lexicon Character Position file #757.033. The data dictionary changes will be made by the KIDS build. Data will be added to the following files:

File #	File Name	Type of Export	Nodes Exported
80	ICD DIAGNOSIS	Full File, Replace	6373187
80.1	ICD OPER/PROC	Full File, Replace	3403471
80.4	ICD CODING SYSTEMS	Full File, Replace	21
757	MAJOR CONCEPT MAP	Changes only	277117
757.001	CONCEPT USAGE	Changes only	423881
757.01	EXPRESSIONS	Changes only	4182330
757.02	CODES	Changes only	3362342
757.03	CODING SYSTEMS	Full File, Replace	227
757.04	EXCLUDED WORDS	Full File, Replace	493
757.05	REPLACEMENT WORDS	Full File, Replace	5133
757.033	CHARACTER POSITIONS	Full File, Replace	4837511
757.04	EXCLUDED WORDS	Changes only	24
757.05	REPLACEMENT WORDS	Full File, Replace	7720
757.1	SEMANTIC MAP	Changes only	692791
757.2	SUBSET DEFINITIONS	Changes only	137
757.21	SUBSETS	Changes only	526269
757.3	LOOK-UP SCREENS	Full File, Replace	255
757.31	DISPLAYS	Full File, Replace	137

The data changes are exported using the Lexicon's export global ^LEXM. This global will need to be loaded prior to installing this build. The post-install will delete the export global ^LEXM.

## 2.2.1 Disk Capacity Requirements for ICD-10

Permanent Retention: (before/after sizes computed with %GSIZE)

#### Before ICD-10 update (includes LEX\*2.0\*51 and LEX\*2.0\*84

Global	Blocks	Bytes	МВ
ICD0	639	4361548	4.16
ICD9	3572	24697088	23.55
LEX	88761	547348588	521.99
Total	92972	576407224	549.70

#### After ICD-10 update:

Global	Blocks	Bytes	МВ	
ICD0	10399	68416876	65.25	
ICD9	15653	105232556	100.36	
ICDS	1	324	0.00	
LEX`	119296	771109528	735.39	
Total	145349	944759284	900.99	
Total	52377	368352060	351.29	

**Increase** Total

#### **Temporary Installation Space Requirements**

In addition to the permanent size increases outlined above, the installing system will need to be able to accommodate three temporary files, which will need to coexist for a short time:

The first file is a global host file named ICD\_18\_57.GBL. It contains the Lexicon export global ^LEXM. Sites will use the specified File Transfer Protocol (FTP) to retrieve this file from an FTP server. This file may be deleted from the system once the export file has been loaded using %GI.

The second is the Lexicon export global ^LEXM and will exist after it has been loaded from the global host file.

The third temporary and lesser file is the Kernel Installation and Distribution System (KIDS) host file ICD\_18\_57.KID. This file will be FTPed from an FTP server and contains the KIDS distribution with patches ICD\*18.0\*57 and LEX\*2.0\*80. This file may be deleted from the system once the KIDS distribution has been loaded (XPD).

Global/File	Blocks	Bytes	МВ
^LEXM Export Global	195742	1200786332	1145.16
Global Host File *.GBL	3133983	1604599296	1530.27
Install Host File *.KID	4966	2542592	2.42
Total	3334691	2807928220	2677.85

#### Summary

Increased Permanent Space Temporary Space Total additional Space Required

Bytes	МВ
368352060	351.29
2807928220	2677.85
3176280280	3029.14

However, this could be reduced to 2.1 GB with judicious use of timing (e.g., first FTP the export file, then load the export file, then delete VMS file, and finally install the patch).

FTP	^%GI	XPD KIDS Install	Post-Install
ICD_18_57	7.GBL Host File	Dolotod	
1604599296 b	1604599296 bytes (1530.27 MB)		
	ICD_18_57.KID Host	File	Dolotod
	2542592 bytes (2.42	MB)	Deleted
Non-	^LEXM	M Export Global	
Existent	1200786332	bytes (1145.16 MB)	Deleted
Non	Cylistoph	Increased Permanent Retention	
Non-Existent		368352060 bytes (351	.29 MB)

Please note that some of these figures may differ slightly on other systems but they should be in the approximate range. To prevent allocation problems, all MB and GB totals are rounded upward.

#### 2.4 ICD-10 Code Set Installation Instructions

#### 2.4.1 Distribution

This distribution contains two (2) builds in a single KIDS host file and a global in a global host file.

ICD\_18\_57.KID ICD\*18.0\*57

LEX\*2.0\*80

ICD 18 57.GBL ^LEXM

The distribution is an "all or nothing" distribution, meaning that if the environment check for any of the two builds fail, then both transport globals will be deleted from the system. This is done because the data for the ICD-9 file and the Lexicon is being distributed in a single global, ^LEXM. Should an environment check fail, the transport globals are deleted to prevent the install of the KIDS build without the data in ^LEXM.

#### 2.4.2 Estimated Timing

Backup	Content	Size	Time
Lexicon Global	^LEX	1.3 GB	20 to 50 minutes
ICD Diagnosis	^ICD9	53 MB	1 to 11 minutes
ICD Procedure	^ICD0	9 MB	1 to 8 minutes
Total Backup		1.4 GB	22 to 69 minutes

Host Files	Content	Size	Time
FTP	ICD_18_57.KID	2.4 MB	4 to 10 seconds
FTP	ICD_18_57.GBL	1.5 GB	40 to 75 minutes
Global Restore ^%GI	^LEXM	1.4 GB	25 to 50 minutes
Total Data		2.5 GB	65 to 125 minutes

KIDS Install	Content	Time
Install #1	ICD*18.0*57	.1 to 1 minutes
Install #2	LEX*2.0*80	13 to 124 minutes
Total		13 to 125 minutes

Total Estimated Time	1.75 to 5.25 hours
----------------------	--------------------

The wide range of install times can be caused by the number of users on the system, system activity and the type of system (UNIX/OpenVMS).

#### 2.4.4 Install during non-peak hours

It is recommended that this patch be installed during non-peak hours. During the installation, the ICD DIAGNOSIS file #80 and ICD OPERATION/PROCEDURE file #80.1, will not exist; these files will be deleted by the pre-install. The KIDS build will install the new data dictionaries. Finally, the post-install routines will repopulate these files with both ICD-9 and ICD-10 data.

#### 2.4.5 Users Must be off of the System

Users must be off of the system during the installation of the KIDS distribution. Applications, particularly clinical and fiscal applications that use the ICD Diagnosis and Procedure, could encounter significant errors, if exercised during the install.

The following steps may be completed in preparation for the installation with users still on the system:

FTP Software Retrieval
Backup Preparation
Backup Globals
Placing TaskMan in a Wait State
Load Data from Global Host File
Verify Environment
Distribution Load

#### 2.4.6 Documentation Retrieval

Updated documentations describing the functionality introduced by this patch is available in the [ANONYMOUS.SOFTWARE] directories at the following Internet addresses:

Preferred or Specific Server	Internet address
First available ftp server	download.vista.med.va.gov < preferred
Albany	ftp.fo-albany.med.va.gov
Hines	ftp.fo-hines.med.va.gov
Salt Lake City	ftp.fo-slc.med.va.gov

Below is a list of the documentation files related to this patch and available via the FTP sites listed above:

<b>Document File Description</b>	File Name	Protocol
ICD Technical Manual	ICD_18_57_ICDTM.PDF	binary
Lexicon Technical Manual	ICD_18_57_LEXTM.PDF	binary
Lexicon User Manual	ICD_18_57_LEXUM.PDF	binary

After this patch is released, the updated manuals may also be retrieved from the Internet at <a href="http://www.va.gov/vdl">http://www.va.gov/vdl</a>

#### 2.4.7 FTP Software Retrieval

Host File	File Name	FTP Protocol
KIDS Distribution	ICD_18_57.KID	ASCII
Data Host File	ICD_18_57.GBL	ASCII
Installation Guide	ICD_18_57_IG.PDF	Binary

These files may be downloaded directly from the following FTP servers:

	FTP Server	Internet address
*	Preferred Server	download.vista.med.va.gov <
	Albany	ftp.fo-albany.med.va.gov
	Hines	ftp.fo-hines.med.va.gov
	Salt Lake City	ftp.fo-slc.med.va.gov

<sup>\*</sup> The preferred server download.vista.med.va.gov will transmit the file from the first available FTP server. Files are available in the ANONYMOUS.SOFTWARE directory.

#### **Estimated FTP times:**

ICD_18_57_IG.PDF	926 KB	2 to	5	seconds
ICD_18_57_DISK_REQ.PDF	220 KB	1 to	3	seconds
ICD_18_57.KID	2.4 MB	4 to	10	seconds
ICD 18 57.GBL	1.5 GB	40 to	75	minutes

#### 2.4.8 Backup Preparation

Before backing up the data in the ^LEX global, first clear out the UNRESOLVED NARRATIVE file 757.06. This will prevent the backup procedure from encountering a control character and aborting in error. At the programmer prompt, issue the following command to remove the control characters:

#### >D CLR^LEXAR7

#### 2.4.9 Backup Globals

Create a backup of the following global files before continuing:

Lexical Files	#757-757.41	^LEX
ICD DIAGNOSIS File	#80	^ICD9
ICD OPERATION/PROCEDURE File	#80.1	^ICD0

These backup files may get as large as 1.4 gigabytes. Make sure space is available before proceeding. It should take from 22 to 69 minutes to create the backup files. Use

the utility ^%GO for non-subscripted globals. When prompted for a global, enter the global root (global name only, no open parenthesis, no file number, and no commas, as shown below). Example:

Enter	To create a Backup copy of:
^LEX	Lexical Files
^LEXT	Lexicon Subset Definitions and User Defaults
^ICD9	ICD DIAGNOSIS File
^ICD0	ICD OPERATION/PROCEDURE File

#### 2.4.10 Place TaskMan in a Wait State for the Installation

TaskMan must remain running but in a WAIT state for the duration of the KIDS installation. Once the install is complete, restore TaskMan by removing TaskMan from a WAIT state.

#### 2.4.11 Load Data from Global Host File

Install the data from the global host file ICD\_18\_57.GBL. This file contains the Lexicon Utility's import global ^LEXM. This global is approximately 1.4 gigabytes in size. Make sure there is sufficient space available to load this global with journaling on. The loading of the global should take from 25 to 50 minutes. From the Programmer prompt, execute the following routine:

```
>D ^%GI
Global input

Device: VA5$:[ANONYMOUS.SOFTWARE]ICD_18_57.GBL
Parameters? "RS" =>
Globals were saved on 17 Jan 2014 3:32 PM Cache
with description: ICD*18.0*57/LEX*2.0*80 Data

Input option: A
^LEXM
```

#### 2.4.12 Environment

Set up user and IO variables (D ^XUP) for programmer access. Verify that DUZ, DUZ("AG"), DT, DTIME, and U are defined and that DUZ(0)="@".

#### 2.4.13 Distribution Load:

Load the KIDS Distribution from the host file ICD\_18\_57.KID. This KIDS file is a multi-package distribution file that contains the following KIDS builds with the specified install order:

Install Order	KIDS Build
1	ICD*18.0*57
2	LEX*2.0*80

#### **Environment Check:**

This distribution has an "all or nothing" environment check. The environment check routines for both builds must pass for the install to continue. Required key elements are:

Code Set Versioning (CSV)	2003
Code Text Descriptors (CTD)	2004
Query Options (LEXQ)	2009
Latest DRG Grouper Updates and Fixes	2011
Latest Code Set Updates	2013

# 2.4.14 RECOMMENDATION: Users may be on the system up to this point

To limit the down time, it is recommended that all steps up to this point, including the backup preparation, global backup, global load, environment setup and the KIDS distribution load be done with users on the system. Users must be taken off the system at this point. Applications, particularly clinical and fiscal applications that use the ICD Diagnosis and Procedure, could encounter significant errors if exercised during the install.

#### 2.4.15 Inhibit Logons during the KIDS Installation

During the KIDS install when asked "Want KIDS to INHIBIT LOGONs during the install?" make sure to respond with "Yes".

#### 2.4.16 Installation will temporarily delete files 80 and 80.1

This install will completely delete the data dictionaries and data for both the ICD DIAGNOSIS file #80 and the ICD OPERATION/PROCEDURE file #80.1.

#### 2.4.17 KIDS Installation

Install the patch using the KIDS Installation Menu action "Install Package(s)" and the install name ICD\*18.0\*57.

During the environment check, you will be asked if you wish to continue. If the account is not mapped to another namespace, or if the account is mapped to another namespace but that namespace is also scheduled to receive this patch, then respond 'YES' to the prompt "Do you wish to continue?"

The environment check will run a checksum on the incoming data to ensure that the data file received via FTP and loaded is identical to the distribution data. This checksum will run about 5-20 minutes depending on your system.

#### Installation questions:

Respond "Yes" at the "Want KIDS to Rebuild Menu Trees upon Completion of Install?" prompt.

Respond "Yes" at the "Want KIDS to INHIBIT LOGONs during the install?" prompt.

Respond "NO" at the "Want to DISABLE Scheduled Options, Menu Options, and Protocols?" prompt.

The KIDS install should take from 13 - 125 minutes.

#### 2.4.18 Post-installation Cleanup

The Environment Check routines ICD1857 and LEX2080 and the Post-Install routines ICD1857P, LEX2080A, LEX2080B, LEX2080C, and LEX2080P should be deleted using the KERNEL option 'Delete Routines' [XTRDEL] upon completion of the installation.

#### 2.4.19 Restore TaskMan from the Wait State

Restore TaskMan by removing TaskMan from a WAIT state.

## 3 APPENDIX A – Captured Install

### 3.1 Load Export Global ^LEXM

```
>D GL
D ^%GI
Global input
Device: VA5$:[ANONYMOUS.SOFTWARE]ICD_18_57.GBL
Parameters? "RS" =>
Globals were saved on 17 Jan 2014 3:32 PM Cache
with description: ICD*18.0*57/LEX*2.0*80 Data
Input option: A
^LEXM
```

#### **Captured Times:**

Start: 04/19/2014 15:08:35 Finish: 04/19/2014 15:33:31 Elapsed: 00:24:56

#### 3.2 Load KIDS Distribution

```
Select Installation Option: Load a Distribution
Enter a Host File: VA5$:[BETA]ICD 18 57.KID
KIDS Distribution saved on Apr 18, 2014@18:29:04
Comment: ICD*18.0*57/LEX*2.0*80 Install
This Distribution contains Transport Globals for the following Package(s):
  ICD*18.0*57
   LEX*2.0*80
Distribution OK!
Want to Continue with Load? YES//
Loading Distribution...
Build ICD*18.0*57 has an Environmental Check Routine
Want to RUN the Environment Check Routine? YES//
   ICD*18.0*57
Will first run the Environment Check Routine, ICD1857
   Checking for ICD Version installations
     ICD 18.0 installed 10/20/2000
  Checking for Released
  ICD*18.0*6
              09/24/2003 Installed 09/29/2003
                                                 CSV
  ICD*18.0*12
              10/08/2004 Installed 10/11/2004
              06/09/2005 Installed 06/13/2005 Legacy APIs
  ICD*18.0*15
```

```
ICD*18.0*29 11/15/2007 Installed 11/19/2007 Legacy APIs
 LEX*2.0*81 02/14/2012 Installed 02/14/2012 Fix Cross-Reference
 PSO*7.0*404 08/14/2012 Installed 01/28/2013 Global Read of ICD files
 ONC*2.11*56 09/27/2012 Installed 01/28/2013 Global Read of ICD files
              04/17/2013 Installed 04/24/2013 Global Read of ICD files
 RA*5.0*112
 ICD*18.0*62 05/01/2013 Installed 02/13/2013 DRG Grouper Fixes
GMPL*2.0*43 05/14/2013 Installed 05/15/2013 Global Read of ICD files
TIU*1.0*267 05/14/2013 Installed 05/15/2013 Global Read of ICD files
 ICD*18.0*69 06/21/2013 Installed 06/22/2013 DRG Grouper Fixes
 DG*5.3*870 07/15/2013 Installed 07/17/2013 Global Read of ICD files
 IBD*3.0*64 09/03/2013 Installed 07/19/2013 Global Read of ICD files
 LR*5.2*429 09/18/2013 Installed 10/24/2013 Global Read of ICD files
 ACKQ*3.0*22 12/12/2013 Installed 12/19/2013 Global Read of ICD files
 LEX*2.0*94 01/14/2014 Installed 01/23/2014 FY14 2nd Qtr Update
 Checking DEVCUR ICD Data Dictionary/Global/Data Status:
    Data Dictionary:
      Remnants of the legacy ICD Data Dictionary found
      ICD-9/ICD-10 Data Dictionary does not exist
    Global:
      Global Name
                                     Root
                                           Patched Updated
                              80 ^ICD9( ICD*18.0*66 10/01/2012
      ICD DIAGNOSIS
      ICD OPERATION/PROCEDURE 80.1 ^ICD0( ICD*18.0*73 10/01/2013
    Data:
                              Legacy ICD-9
                                                Updated ICD-10
                                                Data Format
      Data Type
                               Data Format
      ICD Diagnosis Data
                                   Yes
                                                     N \cap
      ICD Procedure Data
                                    Yes
                                                      No
 WARNING WARNING WARNING WARNING WARNING
                                                                WARNING
  * This Install will delete both the ICD-9 Data Dictionary and data in *
  * files #80 and #80.1. It will then install a new Data Dictionary
  * for files #80 and #80.1. The new Data Dictionary will accommodate
  * both the ICD-9 and ICD-10 coding systems. The new data will be
  * installed by the accompanying Lexicon patch LEX*2.0*80. These
  * changes will affect this namespace and any other namespace that
  * the ^ICD9 and ^ICD0 globals are mapped to. If your current
  * namespace is mapped to another namespace, make sure the other
  * namespace is also scheduled to be updated by this patch before
  * continuing.
 Do you wish to continue? (Y/N) YES
 Environment for patch/build ICD*18.0*57 is ok
  LEX*2.0*80
Will first run the Environment Check Routine, LEX2080
```

Checking for Released

```
LEX*2.0*25 09/24/2003 Installed 09/29/2003 CSV
LEX*2.0*30
           10/08/2004 Installed 10/11/2004 CTD
LEX*2.0*62 05/06/2009 Installed 05/11/2009 Queries
LEX*2.0*81
           02/14/2012 Installed 02/14/2012 Fix Cross-Reference
PSO*7.0*404 08/14/2012 Installed 01/28/2013 Global Read of ICD files
ICD*18.0*62 05/01/2013 Installed 02/13/2013 DRG Grouper Fixes
GMPL*2.0*43 05/14/2013 Installed 05/15/2013 Global Read of ICD files
TIU*1.0*267 05/14/2013 Installed 05/15/2013 Global Read of ICD files
ICD*18.0*69 06/21/2013 Installed 06/22/2013 DRG Grouper Fixes
DG*5.3*870 07/15/2013 Installed 07/17/2013 Global Read of ICD files
IBD*3.0*64 09/03/2013 Installed 07/19/2013 Global Read of ICD files LR*5.2*429 09/18/2013 Installed 10/24/2013 Global Read of ICD files
ACKQ*3.0*22 12/12/2013 Installed 12/19/2013 Global Read of ICD files
LEX*2.0*94 01/14/2014 Installed 01/23/2014 FY14 2nd Qtr Update
```

Environment for patch/build LEX\*2.0\*80 is ok

Use INSTALL NAME: ICD\*18.0\*57 to install this Distribution.

#### **Captured Times:**

Start: 04/19/2014 11:53:40 Finish: 04/19/2014 11:53:51

Elapsed: 00:00:11

#### 3.3 Install KIDS Distribution

```
Select Installation Option: Install Package(s)
Select INSTALL NAME: ICD*18.0*57
                                 4/19/14@11:53:44
    => ICD*18.0*57/LEX*2.0*80 Install ;Created on Apr 18, 2014@18:29:04
This Distribution was loaded on Apr 19, 2014@11:53:44 with header of
  ICD*18.0*57/LEX*2.0*80 Install ;Created on Apr 18, 2014@18:29:04
   It consisted of the following Install(s):
   ICD*18.0*57
                  LEX*2.0*80
Checking Install for Package ICD*18.0*57
Will first run the Environment Check Routine, ICD1857
  Checking for ICD Version installations
    ICD 18.0 installed 10/20/2000
 Checking for Released
               09/24/2003 Installed 09/29/2003 CSV
  ICD*18.0*6
 ICD*18.0*12 10/08/2004 Installed 10/11/2004 CTD
```

02/14/2012 Installed 02/14/2012 Fix Cross-Reference

PSO\*7.0\*404 08/14/2012 Installed 01/28/2013 Global Read of ICD files ONC\*2.11\*56 09/27/2012 Installed 01/28/2013 Global Read of ICD files RA\*5.0\*112 04/17/2013 Installed 04/24/2013 Global Read of ICD files ICD\*18.0\*62 05/01/2013 Installed 02/13/2013 DRG Grouper Fixes GMPL\*2.0\*43 05/14/2013 Installed 05/15/2013 Global Read of ICD files IUX\*1.0\*267 05/14/2013 Installed 05/15/2013 Global Read of ICD files

LEX\*2.0\*81

ICD\*18.0\*69 06/21/2013 Installed 06/22/2013 DRG Grouper Fixes

ICD\*18.0\*15 06/09/2005 Installed 06/13/2005 Legacy APIs ICD\*18.0\*29 11/15/2007 Installed 11/19/2007 Legacy APIs

```
DG*5.3*870 07/15/2013 Installed 07/17/2013 Global Read of ICD files
  IBD*3.0*64 09/03/2013 Installed 07/19/2013 Global Read of ICD files
 LR*5.2*429 09/18/2013 Installed 10/24/2013 Global Read of ICD files
 ACKQ*3.0*22 12/12/2013 Installed 12/19/2013 Global Read of ICD files
 LEX*2.0*94
             01/14/2014 Installed 01/23/2014 FY14 2nd Qtr Update
  Checking DEVCUR ICD Data Dictionary/Global/Data Status:
    Data Dictionary:
      Remnants of the legacy ICD Data Dictionary found
      ICD-9/ICD-10 Data Dictionary does not exist
    Global:
                                Root Patched Updated
      Global Name
                            80 ^ICD9( ICD*18.0*66 10/01/2012
      ICD DIAGNOSIS
      ICD OPERATION/PROCEDURE 80.1 ^ICD0( ICD*18.0*73 10/01/2013
    Data:
                            Legacy ICD-9 Updated ICD-10 Data Format Data Format
      Data Type
      ICD Diagnosis Data
                                Yes
                                                 No
      ICD Procedure Data
                                 Yes
                                                 No
 WARNING WARNING WARNING WARNING WARNING WARNING
  * This Install will delete both the ICD-9 Data Dictionary and data in *
  * files #80 and #80.1. It will then install a new Data Dictionary
  * for files #80 and #80.1. The new Data Dictionary will accommodate *
  * both the ICD-9 and ICD-10 coding systems. The new data will be
  * installed by the accompanying Lexicon patch LEX*2.0*80. These
  * changes will affect this namespace and any other namespace that
 * the ^ICD9 and ^ICD0 globals are mapped to. If your current
 * namespace is mapped to another namespace, make sure the other
  * namespace is also scheduled to be updated by this patch before
  * continuing.
  Do you wish to continue? (Y/N) YES
 Environment for patch/build ICD*18.0*57 is ok
Install Questions for ICD*18.0*57
Incoming Files:
           ICD DIAGNOSIS
Note: You already have the 'ICD DIAGNOSIS' File.
           ICD OPERATION/PROCEDURE
Note: You already have the 'ICD OPERATION/PROCEDURE' File.
```

80.4

82

DRG DIAGNOSIS IDENTIFIER CODES (including data)

ICD CODING SYSTEMS (including data)

```
82.1 DRG PROCEDURE IDENTIFIER CODES (including data)
```

#### 82.13 DRG CC EXCLUSIONS

Checking Install for Package LEX\*2.0\*80

Will first run the Environment Check Routine, LEX2080

```
Checking for Released
LEX*2.0*25
             09/24/2003 Installed 09/29/2003 CSV
             10/08/2004 Installed 10/11/2004 CTD
LEX*2.0*30
             05/06/2009 Installed 05/11/2009 Queries
LEX*2.0*62
LEX*2.0*81 02/14/2012 Installed 02/14/2012 Fix Cross-Reference
PSO*7.0*404 08/14/2012 Installed 01/28/2013 Global Read of ICD files
ONC*2.11*56 09/27/2012 Installed 01/28/2013 Global Read of ICD files
RA*5.0*112 04/17/2013 Installed 04/24/2013 Global Read of ICD files
ICD*18.0*62 05/01/2013 Installed 02/13/2013 DRG Grouper Fixes
GMPL*2.0*43 05/14/2013 Installed 05/15/2013 Global Read of ICD files
TIU*1.0*267 05/14/2013 Installed 05/15/2013 Global Read of ICD files ICD*18.0*69 06/21/2013 Installed 06/22/2013 DRG Grouper Fixes DG*5.3*870 07/15/2013 Installed 07/17/2013 Global Read of ICD files
IBD*3.0*64
             09/03/2013 Installed 07/19/2013 Global Read of ICD files
LR*5.2*429
             09/18/2013 Installed 10/24/2013 Global Read of ICD files
ACKQ*3.0*22 12/12/2013 Installed 12/19/2013 Global Read of ICD files
             01/14/2014 Installed 01/23/2014 FY14 2nd Qtr Update
LEX*2.0*94
```

I will now check the protection on ^LEX, ^ICD9 and ^ICD0 Globals. If you get an ERROR, you will need to change the protection on these globals to allow read/write as indicated:

Group World Network

Cache systems	RWD	RW	RW	RWD	
Checking:					
^LEX(*     ^ICD9(     ^ICD0(> ok	Lexicon ICD Diag ICD Oper	gnosis ration/Pro	cedure	757-757.41 80 80.1	

Owner

Running checksum routine on the ^LEXM import global, please wait

Checksum is ok

Environment for patch/build LEX\*2.0\*80 is ok

Install Questions for LEX\*2.0\*80

Incoming Files:

757.02 CODES

Note: You already have the 'CODES' File.

757.03 CODING SYSTEMS

Note: You already have the 'CODING SYSTEMS' File.

#### 757.033 CHARACTER POSITIONS

```
DISPLAYS (including data)
Note: You already have the 'DISPLAYS' File.
I will OVERWRITE your data with mine.
Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES//
Want KIDS to INHIBIT LOGONs during the install? NO// YES
Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//
Enter the Device you want to print the Install messages.
Enter a '^' to abort the install.
DEVICE: HOME// ; P-OTHER HOME
Install Started for ICD*18.0*57 :
             Apr 19, 2014@12:17:14
Build Distribution Date: Apr 18, 2014
Installing Routines:.....
             Apr 19, 2014@12:17:15
Running Pre-Install Routine: PRE^ICD1857P.
  Deleting the Data Dictionary and Data for:
      ICD DIAGNOSIS file #80 done
      ICD OPERATION/PROCEDURE file #80.1 done
 Installing Data Dictionaries: .....
             Apr 19, 2014@12:17:20
 Installing Data:
             Apr 19, 2014@12:17:22
Running Post-Install Routine: POST^ICD1857P.
 Updating ICD files
   ICD DIAGNOSIS
                           file #80
   ICD OPERATION/PROCEDURE file #80.1
 Updating Routine file.....
Updating KIDS files.....
 ICD*18.0*57 Installed.
             Apr 19, 2014@12:17:22
Not a production UCI
NO Install Message sent
 Install Started for LEX*2.0*80 :
             Apr 19, 2014@12:17:22
Build Distribution Date: Apr 18, 2014
 Installing
Routines:....
```

Apr 19, 2014@12:17:25	
Installing Data Dictionaries: Apr 19, 2014@12:17:25	
Installing Data: Apr 19, 2014@12:17:25	
Installing PACKAGE COMPONENTS:	
Installing OPTION Apr 19, 2014@12:17:25	
Running Post-Install Routine: POST^I	LEX2080P.
Updating ICD displays to include ICD	D-10
<pre>Installing Data for patch LEX*2.0*80</pre>	
Updating files using export global of	created Jan 17, 2014 at 08:47:28
Updating ICD-9-CM with patch/build I To version 18.0 revision 57 dated 0	
	80
ICD Operation/procedure File	80.1
ICD Coding Systems File	80.4
Updating Lexicon with patch/build LE To version 2.0 revision 80 dated 00	
5 1	757
	757.001
Expressions File	757.01
Codes File	757.02
Coding Systems File	
Character Positions File	757.033
Excluded Words File	757.04
Replacement Words File	757.05
Semantic Map File	757.1
Subset Definitions File	757.2
Subsets File	757.21
Look-up Screens File	757.3
	757.31

......

Data Update: Installation of data completed successfully

Started: Apr 19, 2014 12:17:25 Finished: Apr 19, 2014 13:27:26

Elapsed: 01:10:01

Post-Install Summary Queued Task #1812290

Checking DEVCUR ICD Data Dictionary/Global/Data Status:

#### Data Dictionary:

Legacy ICD Data Dictionary does not exist ICD Data Dictionary updates for ICD-10 found Lexicon Data Dictionary updates for ICD-10 found

#### Global:

Global Name	File #	Patched	Effective
ICD DIAGNOSIS	80	ICD*18.0*57	10/01/2014
ICD OPERATION/PROCEDURE	80.1	ICD*18.0*57	10/01/2014
ICD CODING SYSTEMS	80.4	ICD*18.0*57	10/01/2014
MAJOR CONCEPT MAP	757	LEX*2.0*80	10/01/2014
CONCEPT USAGE	757.001	LEX*2.0*80	10/01/2014
EXPRESSIONS	757.01	LEX*2.0*80	10/01/2014
CODES	757.02	LEX*2.0*80	10/01/2014
CODING SYSTEMS	757.03	LEX*2.0*80	10/01/2014
CHARACTER POSITIONS	757.033	LEX*2.0*80	10/01/2014
SEMANTIC MAP	757.1	LEX*2.0*80	10/01/2014
LOOK-UP SCREENS	757.3	LEX*2.0*80	10/01/2014
DISPLAYS	757.31	LEX*2.0*80	10/01/2014

#### Data:

	Legacy ICD-9	Updated ICD-10
Coding System Data	Data Format	Data Format
ICD Diagnosis Data	No	Yes
ICD Procedure Data	No	Yes
Lexicon Data	ICD-9	ICD-10
ICD Diagnosis	Yes	Yes
ICD Procedures	Yes	Yes

Repair indexes in files #757.01/757.21 tasked (#1812292)

Updating Routine file.....

Updating KIDS files.....

LEX\*2.0\*80 Installed.

Apr 19, 2014@13:31:37

Not a production UCI

NO Install Message sent

Call MENU rebuild

Starting Menu Rebuild: Apr 19, 2014@13:31:39

Collecting primary menus in the New Person file...

# Primary menus found in the New Person file

OPTION NAME	MENU TEXT	# OF USERS	LAST USED	LAST BUILT
EVE	Systems Manager Menu	188	03/15/14	03/11/14
XUPROG	Programmer Options	3	03/12/14	03/11/14
XUCORE	Core Applications	5	09/15/06	03/11/14
LRMENU	Laboratory DHCP Menu	1		03/11/14
PSO MANAGER	Outpatient Pharmacy Manager	1	07/21/00	03/11/14
XMUSER	MailMan Menu	5	12/27/98	03/11/14
ORMGR	CPRS Manager Menu	26	08/06/13	03/11/14
OR MAIN MENU NURSE	Nurse Menu	1	04/19/07	03/11/14
TIU MAIN MENU MRT	Text Integration Utilitie	2	02/11/14	03/11/14
TIU MAIN MENU MGR	Text Integration Utilitie	1	10/19/09	03/11/14
PXRM MANAGERS MENU	Reminder Managers Menu	1	01/24/09	03/11/14
ZZANALYST	Analyst Menu	1	04/18/07	03/11/14
EVE + VPE	EVE Menu Plus VPE Options	1	06/04/04	03/11/14

Building secondary menu trees....

Merging.... done.

Menu Rebuild Complete: Apr 19, 2014@13:31:52

#### **Captured Times:**

Start: 04/19/2014 12:01:09 Finish: 04/19/2014 13:31:54

Elapsed: 01:30:45

# 3.4 Post-Install Message (example)

Subj: LEX\*2.0\*80 Installation [#450428] 04/19/14@13:30 16 lines

From: POSTMASTER In 'IN' basket. Page 1 \*New\*

\_\_\_\_\_

# ICD-10 Implementation

As of: Apr 19, 2014 13:30:17
In Account: [VHA, ROU] (Production)

Maint By: Anonymous, User (555) 555-5555 Build: LEX\*2.0\*80

Host File: ICD\_18\_57.GBL

Started: Apr 19, 2014 12:17:25 Finished: Apr 19, 2014 13:30:17

Elapsed: 01:12:52

Data: Installation of data completed successfully

# 3.5 Cross-Reference Repair Message (example)

NOTE: Re-Indexing times and totals may vary.

Subj: Repair Major Word Indexes [#450430] 04/19/14@14:50 19 lines

From: POSTMASTER In 'IN' basket. Page 1 \*New\*

Re-Index Repair	Date		Start	Finish	Elapsed
Build 'AWRD' Word Index Replace 'AWRD' Word Index 133991 Words	04/19	/2014	13:30:21 13:56:20	13:56:20 14:00:49	00:25:59
4568491 'AWRD' Index Nodes Build 'ASL' String Length Index Replace 'ASL' String Length Inde 472681 'ASL' Index Nodes	" X "	"	14:00:49 14:12:27		
Expression Indexes Build 'ASUB' Word Index Replace 'ASUB' Word Index 45 Subsets	"	"	13:30:21 14:13:21 14:46:36	14:13:21 14:46:36 14:50:23	00:43:00 00:33:15 00:03:47
220316 Words 4701056 Subset Index Nodes Subset Indexes	"	"	14:13:21	14:50:24	00:37:03
Total Time to Repair Indexes	04/19	/2014	13:30:21	14:50:24	01:20:03

# 4 APPENDIX B - Checksums

# 4.1 Multi-Package Distribution Routine Summary

#### 4.1.1 ICD\*18.0\*57 Checksums

The second line of each of these routines will look like:

<tab>;;18.0;DRG Grouper;\*\*[PATCH LIST]\*\*;Oct 20, 2000

Routine	Checksums Before Patch	Checksums After Patch	Patch List (2nd Line)
ICD1857	<env chk=""></env>	176584453	57
ICD1857P	<pre post=""></pre>	10496780	57
ICD0IDX	11419052	<deleted></deleted>	
ICD9IDX	11648583	<deleted></deleted>	
ICDAPIU	36736755	1779997	6,11,12,15,57
ICDCOD	5243995	5702581	7,57
ICDCODE	75863718	17241457	6,12,14,29,57
ICDDIC	<new></new>	40496787	57
ICDDICA	<new></new>	99850836	57
ICDDRG	27872352	34375895	2,7,10,14,20,31,37,57
ICDDRGM	25118508	31028651	7,36,57
ICDEX	<new></new>	73946334	57
ICDEXA	<new></new>	28447306	57
ICDEXA2	<new></new>	66742760	57
ICDEXA3	<new></new>	159565550	57
ICDEXC	<new></new>	108523477	57
ICDEXC2	<new></new>	74960854	57
ICDEXC3	<new></new>	75483213	57
ICDEXC4	<new></new>	11534357	57
ICDEXD	<new></new>	28893974	57
ICDEXD2	<new></new>	91571446	57
ICDEXD3	<new></new>	14191421	57
ICDEXD4	<new></new>	78522708	57
ICDEXD5	<new></new>	63389361	57
ICDEXH	<new></new>	89157219	57
ICDEXLK	<new></new>	199827276	57
ICDEXLK2	<new></new>	168472768	57
ICDEXLK3	<new></new>	98024730	57
ICDEXLK4	<new></new>	25896513	57
ICDEXLK5	<new></new>	75373289	57
ICDEXLK6	<new></new>	83204817	57
ICDEXS	<new></new>	149154345	57
ICDEXS2	<new></new>	4261248	57
ICDGTDRG	50975145	3954114	7,12,14,17,57
ICDID	14387573	42005252	12,15,57
ICDIDX	<new></new>	81806882	57
ICDIDX2	<new></new>	39101671	57
ICDREF	1396078	499599	14,17,57
ICDSAPI	<new></new>	3564588	57

ICDSUPT	4162240	4754457	6 <b>,</b> 57
ICDTOKN	<new></new>	33213278	57
ICDXCODE	<new></new>	7083997	57

### 4.1.2 LEX\*2.0\*80 Checksums

The second line of each of these routines will look like:

<tab>;;2.0;<package name>;\*\*[PATCH LIST]\*\*;Sep 23, 1996

Routine	Checksums Before Patch	Checksums After Patch	Patch List (2nd Line)
		104425050	
LEX2080	<env chk=""></env>	184435059	80
LEX2080P	<post-ins></post-ins>	91320913	80
LEX10CS	<new></new>	72383021	80
LEX10CS2	<new></new>	50802408	80
LEX10CX	<new></new>	90915734	80
LEX10CX2	<new></new>	27454248	80
LEX10CX3	<new></new>	97828924	80
LEX10CX4	<new></new>	37820297	80
LEX10CX5	<new></new>	45896269	80
LEX10DBC	<new></new>	9636063	80
LEX10DBR	<new></new>	8889238	80
LEX10DBT	<new></new>	9014801	80
LEX10DL	<new></new>	57481356	80
LEX10DLS	<new></new>	50742305	80
LEX10DU	<new></new>	116539995	80
LEX10DX	<new></new>	28706888	80
LEX10PL	<new></new>	120447479	80
LEX10PLA	<new></new>	39916196	80
LEX10PLS	<new></new>	85504731	80
LEX10PR	<new></new>	47282338	80
LEX10TAX	<new></new>	83701759	80
LEX2080A	<new></new>	57341845	80
LEX2080B	<new></new>	59256107	80
LEX2080C	<new></new>	58859352	80
LEXA	44698793	53072237	3,4,6,19,25,36,38,43,55,73, 80
LEXA1	38731910	69671285	3,4,6,11,15,38,55,73,80
LEXA2	535269	597135	38,80
LEXA3	15059941	15059941	1,4,80
LEXA4	21030061	22480783	3,6,15,80
LEXAB	9544212	10463880	25,80
LEXABC	46217187	68137439	4,25,26,29,38,73,51,80
LEXABC2	25816397	25634318	4,80
LEXAFIL	205120	201610	80
LEXAL	37971689	72078379	6,55,80
LEXAL2	12928118	14217830	80
LEXALK	22806965	35871965	2,3,6,25,51,80
LEXAM	15878015	18114833	80
LEXAMD	24549577	28007514	6,25,80
LEXAMD2	2872185	2872185	6,80
LEXAR	17442980	18722296	3,19,25,55,80

	101000		
LEXAR2	1018662	1200564	80
LEXAR3	38300154	79678965	73 <b>,</b> 80
LEXAR4	9905737	10464362	4,5,6,25,55,80
LEXAR5	25152319	56192093	14,25,26,38,55,73,80
LEXAR6	33720085	38407694	3,9,11,80
LEXAR7	17047262	18786524	9,25,73,80
LEXAS	6614534	6614534	4,80
LEXAS2	10917713	11730023	80
LEXAS3	4196429	4196429	80
LEXAS4	8439698	8439698	80
LEXAS5	14441583	15308783	80
LEXAS6	6676230	6676230	41,80
LEXAS7	18643877	18643877	80
LEXASC	6679811	7966749	25,80
LEXASO	16929355	18758787	25,32,73,80
LEXCODE	38198808	71456026	25,73,80
LEXDCC	4957812	5534473	80
LEXDCCC	8352647	8993729	80
LEXDCCS	12310875	13152111	80
LEXDCX	4372991	4881405	80
LEXDCXS	20695673	21843767	80
LEXDD1	22014117	25092584	80
LEXDD1	3129195	3584925	80
LEXDD3	947330	1122704	80
LEXDD3	14098487	13932965	80
LEXDD4 LEXDDS	2093495	2531478	80
LEXDDSD	8702123	9566423	80
	14491280	15948891	80
LEXDDSP	2858762	3222865	80
LEXDDSS	5416359	5978859	80
LEXDDT1			
LEXDDT2	4317509	4823705	80
LEXDDTC	1554828	1795542	80
LEXDDTD	1846548	2129676	80
LEXDDTF	13760824	14904532	80
LEXDDTV	3335880	3758286	80
LEXDFL	4960220	5442174	80
LEXDFLC	795201	911217	80
LEXDFLS	14832359	15732119	80
LEXDFLT	2054932	2257084	80
LEXDFN	15697638	17432462	6,80
LEXDFN2	10551696	11535780	80
LEXDFSB	3384984	3384984	80
LEXDFSE	11756941	12795665	80
LEXDFSI	9333756	9975036	80
LEXDFSO	6471992	7103084	80
LEXDFSS	18377628	19790328	80
LEXDFST	6173810	6779396	80
LEXDM	14264609	15365543	81,80
LEXDM2	12707166	14152696	80
LEXDM3	2911195	3366699	80
LEXDM4	30212363	31719160	4,80
LEXDMG	10098170	10875914	80
LEXDMGO	5510946	6104772	80
LEXDMGS	<new></new>	7121139	80

LEXDMGT LEXDMGU LEXDMGV LEXDSV LEXDVO LEXDVOS LEXEDF1 LEXEDF2	13311302 19106674 12206347 5732630 4237055 13847911 14571584 21442230	14879684 17558143 10768836 6361439 4750248 14773585 16274240 23335121	80 80 80 80 80 80 3,25,80
LEXERF	6241374	6876897	80
LEXERI	25688427	28387082	80
LEXHLP	44256661	49116460	11 <b>,</b> 80 80
LEXHLP2 LEXIENV	<new> 2220341</new>	43406586 <deleted></deleted>	00
LEXILG	3264267	<pre><deleted></deleted></pre>	
LEXILGD	6547962	<deleted></deleted>	
LEXILGO	7485420	<deleted></deleted>	
LEXILGP	6881976	<deleted></deleted>	
LEXILGU	6610815	<deleted></deleted>	
LEXILGX	7059394	<deleted></deleted>	
LEXLGM	24937877	<deleted></deleted>	
LEXLGM2	12066085	<deleted></deleted>	
LEXLGM3	7626310	<deleted></deleted>	
LEXLK	4258330	4772038	80
LEXLK2	34120218	35967054	6,19,80
LEXMTLU	3910098 13157193	4465457	11 <b>,</b> 80 80
LEXNDX1 LEXNDX2	21432451	15300301 24352657	51,80
LEXNDX3	9214968	10557269	80
LEXNDX4	20468165	25651972	80
LEXNDX5	6805423	7594232	80
LEXNDX6	7394894	13564352	80
LEXNDX8	33490445	57045957	25,73,80
LEXPL	18846088	<deleted></deleted>	
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LEXQC	101390114	5018665	62 <b>,</b> 80
LEXQC2	14109806 <new></new>	13016948 22152952	62 <b>,</b> 80 80
LEXQC3 LEXQC4	<new></new>	47380274	80
LEXQCM	67014752	69421811	62,68,80
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LEXQCP	77088041	79602950	62,80
LEXQCP2	56468860	57182153	62,80
LEXQCPA	9847253	9841880	62,80
LEXQH	19745844	20466600	62,80
LEXQHL1	94982465	95304509	62 <b>,</b> 80
LEXQHL2	92433013	90489365	62,80
LEXQHL3	40808701	40434251	62,80
LEXQHL4	101257381	100552373	62 <b>,</b> 80
LEXQHL5	13324910	21983988	62 <b>,</b> 80
LEXQHLM	8941107	7914203	62 <b>,</b> 80
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LEXQID3	61299678	74079700	62,80
LEXQID4	62471424	67283614	62,80
LEXQIDA	55078060	51204614	62,80
LEXQIP	67055751	87751371	62,73,80
LEXQIP2	18474806	10742392	62,80
LEXQIP3	28550330	28040002	62,73,80
LEXQIPA	3508695	3640982	62,80
LEXQL	49347251	69016427	62,80
LEXQL2	36280170	49164602	62,80
LEXQL3	34226328	12608656	62,80
LEXQL4	<new></new>	39546926	80
LEXQM	27832557	27832926	62,80
LEXRX	25440682	29831306	81,80
LEXRXB	52650110	53080223	81,80
LEXRXC	104836918	105521717	81,80
LEXRXD	72163787	72709975	81,80
LEXRXD4	78250103	78250103	81,80
LEXRXE	59805790	60291807	81,80
LEXRXF	89637737	90798435	81,80
LEXRXG	75572745	76130411	81,80
LEXRXXP	22174903	22155217	81,80
LEXRXXS	124182348	125584554	81,80
LEXRXXT3	2392111	2474933	81,80
LEXSC	3047995	3537512	80
LEXSC2	8240546	9055298	11,80
LEXSC3	9634238	10957166	80
LEXSET	11622540	17938997	25,80
LEXSET2	18221774	18221774	6,80
LEXSET3	12976280	12976280	6,80
LEXSET4	3072931	3440677	80
LEXSET5	22917951	25961242	6,11,80
LEXSRC2	47664785	52534156	25,28,73,80
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LEXXFI	53802032	61706578	32,46,49,41,59,73,80
LEXXFI3	36032723	36033514	32,80
LEXXFI4	23614617	23615408	32,80
LEXXFI6	7377365	7378156	32,80
LEXXFI7	41558940	40222921	32,49,80
LEXXFI8	38145534	39455696	32,80
LEXXFQ	15590093	17747138	4,25,73,80
LEXXGI	41415628	55219661	4,25,26,27,28,29,46,49,50,41,
		13213001	59,73,80
LEXXGI2	66127456	66453808	25, 26, 28, 29, 46, 49, 50, 73, 80
LEXXGI3	21977980	20329956	59,80
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LEXXGI4	22057583	168770794	51,80
LEXXGP1	<new></new>	211142742	80
LEXXGP2	<new></new>	136699834	80
LEXXII	40032247	41394926	32,46,49,50,41,59,73,80
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LEXXM	<new></new>	70674913	80
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