

STAR 2000™



STAR PHARMACY Kinetics Interface Guide

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Preface

The *STAR Pharmacy Kinetics Interface Guide* describes the interface between STAR Pharmacy and third-party kinetics packages that conform to the interface's requirements, including the following:

- Kinetics Consultant (formerly called MEDICOM Kinetics Consultant PC) from First DataBank (FDB), formerly called Professional Drug Systems, Inc. (PDS)
- Data Med Assurance Kinetics™ system (formerly called Pharmacokinetics Drug Dosing Service)
- Simkin, Inc., CAPCIL® kinetics package

This guide includes information on setting up kinetics personal computers (PCs), on hardware and software requirements, and on user functions involving kinetics information.

NOTE: For more information about Assurance Kinetics, call Data Med, Inc., at 1-800-STAT-911. For more information about Kinetics Consultant, call First DataBank, at 1-800-633-3453. For more information about CAPCIL, call Simkin at 1-800-851-1347.

Documentation Conventions

Documentation for McKesson's STAR 2000™ line of products follows these conventions:

Revisions

Text revisions are indicated by a change bar in the left margin. Paragraphs that contain grammatical changes that do not affect content are not marked.

Canadian Documentation

This volume may include documentation for Canadian users of this product. Complete sections of Canadian text are identified by "CN" and "CN Only."

Key Names

Named keys, such as SHIFT, CTRL, ALT, and ENTER, are displayed in this document in uppercase (capital) letters. A symbol key is written as text in this document followed by the symbol in parentheses, such as hyphen (-) and asterisk (*).

Key Chords

Key chords are key entries that require you to hold down one or more keys (typically, CTRL, ALT, or SHIFT) before pressing another key. In this document, key chords are displayed as the names of each key in the chord separated by a hyphen (-) (for example, CTRL-ALT-DEL).

Enter

ENTER is a key on a computer keyboard used to complete an entry on a STAR system. (This key may also be referred to as NEW LINE or NL in the STAR system.)

Data Entries

Letters or words you enter in response to the system are displayed in **bold** letters in this document. For example: Enter **Y** for Yes or **N** for No.

Selecting an Entry

This document often instructs you to "select an entry." The method you use to select an entry depends on whether you are using STAR from a terminal or IBM-compatible personal computer. Entry methods include:

- Entering the option number
- Using your arrow keys to highlight the option and pressing ENTER
- Clicking on the option using a mouse or other pointing device (PC only)

For more information about these options, see the *General Information Volume*.

Prompts

System prompts are displayed at the bottom of many STAR screens when the system requests an entry or displays a message. In this document, these prompts are indented and the text italicized, as shown in the following example:

Enter patient name--

Field Characteristics

STAR product documentation provides field explanation codes, in addition to a narrative description for each field on a screen. These codes display the maximum length of your entry in the field, the type of entry you make in the field, and whether the field is required. This information displays in the following format:

- DISPLAY ONLY for a field you cannot edit.
 - For X-YY-Z field types, where:
 - X is the maximum number of characters permitted in the field:
 - P for a field length determined by a Parameter
 - T for a field length determined by a Table
 - U for a field having an Undefined length
 - YY is the type of entry technique permitted in the field:
 - A for Letters only
 - AC for Letters and Punctuation only (no numbers)
 - AN for Numerals and Letters only (no punctuation)
 - C for Characters (including punctuation)
 - N for Numerals only
 - NC for Numerals and Punctuation only (no letters)
 - Z is the requirement indicator of the field:
 - C if an entry is Conditionally required or optional
 - O if an entry is Optional to complete the function
 - R if an entry is required to complete the function
- NOTE:** Facilities can designate that certain fields be Required. STAR product documentation does not display R for fields designated as Required by a facility.
- For YY-Z field types, where YY is:
 - DATE for a field subject to the date entry conventions described in the *General Information Volume*.
 - SPECIAL FORMAT for a field having data entry requirements not conforming to standard format. The field definition contains the specific data entry requirements for the field.
 - TABLE LOOKUP for a field that enables you to select from a displayed table. See the *General Information Volume* for more information regarding this entry technique.
 - TIME for a field subject to the time entry conventions described in the *General Information Volume*.

NOTE: For use of the Z position in this format, refer to the explanations for Z under X-YY-Z.

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Introduction

This guide contains technical and user information about functions available on the STAR Pharmacy Kinetics Access Utilities. The Kinetics Access Utilities provides an interface between STAR Pharmacy and third-party kinetics packages that conform to the interface's requirements, such as FDB Kinetics Consultant, the Data Med Assurance Kinetics system, and Simkin's CAPCIL kinetics package.

Chapter 1: Overview/Description

This chapter provides a general description of the Kinetics Interface Utilities features and functions.

Chapter 2: System Requirements

This chapter provides the hardware and software requirements for using the Kinetics Interface Utilities.

Chapter 3: Installation

This chapter provides information about defining kinetics PC ports.

Chapter 4: User Functions

This chapter documents the user functions related to kinetics in Profile Maintenance and the user functions in the Kinetics Access Utilities.

Chapter 5: Troubleshooting

This chapter contains information about error messages related to kinetics processing.

Chapter 6: Technical Notes

This chapter provides field information for download and information about records related to patient ID number, age, and patient name.

Chapter 1 - OVERVIEW/DESCRIPTION

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NON-TECHNICAL FUNCTIONAL OVERVIEW

The Kinetics Interface Utilities on STAR Pharmacy enables the following:

- Downloading of patient and order information to PC-based pharmacokinetics packages that conform to the interface requirements
- Accessing the kinetics package through McKesson's Windows Terminal Emulation (WEM) software
- Uploading consults and attaching them to the patient's profile on STAR Pharmacy

Any user can then view the consults through Profile Maintenance. All maintenance of patient files, drug files, and orders is done in STAR, not in the kinetics package.

NOTE: To be compatible with STAR Pharmacy, the kinetics package must be able to generate an output file containing the consult information. The FDB Kinetics Consultant package offers an HBO-UP option that displays before you exit the package. You can use this option to send the output to a DOS file, as the interface requires, rather than to a printer.

The third-party kinetics package must be installed on the local drive of a PC that is cabled to a port of the STAR Pharmacy central processing unit (CPU). If your PC does not have enough memory to run the kinetics package through WEM, you must access the kinetics package through DOS or Microsoft® Windows®.

The Kinetics Access Utilities functions are accessible only through STAR ports defined as kinetics PCs.

You can request only one consult per order. When you request a consult on a patient or order that already has a consult, the new consult overlays the previous one.

FEATURES/FUNCTIONS

You can use the Kinetics Interface to do the following:

- Install an interface-compatible kinetics package on multiple kinetics PCs
- Request and queue kinetics consults for any patient through Profile Maintenance
- Download patient information from the STAR Pharmacy system to the kinetics PC
- Upload consults from the kinetics PC to the STAR Pharmacy system
- Print consults on the Discharge Summary and Patient Profile reports

Functions for downloading and uploading kinetics data are available on the Kinetics Access Utilities menu. Other functions are provided in STAR Pharmacy's Table Maintenance and Profile Maintenance. You can use the following functions for processing kinetics information:

- **Download Patient**
This function on the Kinetics Access Utilities menu enables you to select a patient or order from the download queue and download the data to the kinetics PC for input to the kinetics package. You can also complete the processing of the kinetics data without leaving this function.
- **Kinetics Access**
This function on the Kinetics Access Utilities menu enables you to access the third-party kinetics package through WEM, if your PC has sufficient memory and the package is compatible with the interface. You can also upload the consult from this function.
- **Upload Last Consult**
This function on the Kinetics Access Utilities enables you upload the most recent consult from the kinetics PC to STAR Pharmacy.
- **Rx Table Maintenance**
This STAR Pharmacy function enables you to define PC ports as kinetics PCs.
- **Profile Maintenance**
This STAR Pharmacy function enables you to queue patient or order data for download to the PC; examine the online download queue; examine, print, and delete kinetics consults; and view an audit trail displaying all events affecting the consult.

Chapter 2 - SYSTEM REQUIREMENTS

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STAR MINIMUM REQUIREMENTS

This section describes the hardware and software requirements for installing and using the Kinetics Interface.

NOTE: In order for your hospital to use a kinetics package with STAR Pharmacy, McKesson personnel must set the Kinetics Interface field to Yes on the Misc, HBO-Rx Modules Active parameter. If this field is set to No, the system displays the following error message when you try to access the Kinetics Consult or the Documentation/Kinetics Consults functions:

Error: Kinetics PC not defined!

Hardware

McKesson recommends a 386 or higher processor with 4 megabytes (MB) or more of memory as a minimum configuration.

The minimum hardware requirements for the Kinetics Interface are as follows:

- PC with:
 - Hard-disk drive
 - Asynchronous communications port
 - Sufficient memory to run the WEM software and the kinetics package simultaneously
- Asynchronous communications line connecting the PC port to a port on the STAR CPU

NOTE: Although it may be possible to install and run the kinetics package in a multi-user or file server environment, McKesson does not support the kinetics interface in such an environment because the amount of memory necessary to run network drivers may decrease the amount of memory available for running WEM and the kinetics package.

Software

The minimum software requirements for the Kinetics interface are as follows:

- STAR Pharmacy, Release 8.0 or higher
- McKesson's WEM software, Release 3.0 or higher
- PC-based kinetics package supported by the interface, such as FDB's Kinetics Consultant, the Data Med Assurance Kinetics system, or CAPCIL from Simkin Inc.

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DEFINING KINETICS PC PORTS

This section provides information on assigning ports on the STAR CPU as kinetics PC ports capable of processing kinetics data.

Before trying to set up the interface, make sure you have the required hardware and software, as described in “[Chapter 2 - SYSTEM REQUIREMENTS](#)”.

In order for your hospital to use a kinetics package with STAR Pharmacy, McKesson personnel must set the Kinetics Interface field to Yes on the Misc, HBO-Rx Modules Active parameter. If this field is set to No, the system displays the following error message when you try to access the Kinetics Consult or the Documentation/Kinetics Consults functions:

Error: Kinetics PC not defined!

You must specify all ports to be set up as kinetics PCs on the Kinetics PC Definitions table, using the port numbers designated by the facility.

Select Kinetics PC Definitions from the RX Table Maintenance menu. The system displays the following prompt:

Enter kinetics PC port number --

Enter the port number. If this port number is defined on the Port Modification Utility on the Data Processing menu and in this table, the system displays the Kinetics PC Definition screen. You can select from a list of ports by entering a hyphen (-) and selecting from the list that the system displays.

If you enter a port number that is not defined as a PC on the Port Modification Utility, the system displays the following error message:

Warning: Device is not defined as a PC!

The system then allows the entry.

If you enter a port number that is defined on the Port Modification Utility but not defined in the Kinetics PC Definitions table, the system displays a prompt that enables you to add the code:

Add this code 'xxx'? (Y/N) [Y] --

If you enter N, the system redisplay the RX Table Maintenance menu.

If you enter Y or press ENTER, the system displays the Kinetics PC Definitions screen:

General Hospital RX Table Maintenance Processor			
Tue Jul 05, 1994 03:45 pm			
Kinetics PC Definitions			
1 Port	2 Description	3 Edited by	4 Edit Date
154	PC	BC	10/01/93 1527
Kinetics			
5 Program Path	6 Program Execute String	7 Package	
C:\mmpkin\	MMPKIN HBO	FDB	
8 Data File Path	9 Download File	10 Upload File	
C:\mmpkin\files\	AUTO.DAT	CLINCON.TXT	
Enter DOS path name where kinetics software resides (e.g., `C:\xxxxxxx\`) --			

Field Explanations

1. PORT (DISPLAY ONLY)

This field displays the port number you entered as the kinetics PC.

2. DESCRIPTION (DISPLAY ONLY)

This field displays the description assigned to the port on the Port Modification Utility at the time the port is defined.

3. EDITED BY (DISPLAY ONLY)

This field displays the last person to edit the kinetics PC Definition.

4. EDIT DATE (DISPLAY ONLY)

This field indicates the last edit date and time of the kinetics PC Definition.

5. PROGRAM PATH (U-C-O)

Enter the DOS path name for the kinetics software, providing the drive and the directory or directories. End the path with a backslash (\). For example, enter C:\datakin\ for software that is located on the C drive in the *datakin* directory.

If you have the 2.02 version of WEM and your kinetics package is not located on the same drive as WEM, see the note for the Program Execute String field.

When you enter this field, the system displays the following prompt:

Enter DOS path name where kinetics software resides (e.g., `C:\xxxxxxx\`) --

6. PROGRAM EXECUTE STRING (20-C-R)

Enter the execute string for the kinetics program you are using. It must be a valid DOS command. The execute strings for FDB Kinetics Consultant, Data Med Assurance Kinetics, and Simkin CAPCIL are as follows:

Kinetics programExecute String

FDB DataKinetics using HBOWEMDKWIN32.EXE

FDB Kinetics ConsultantMMPKIN HBO

Data Med Assurance KineticsKINMAIN

Simkin CAPCILCAPCIL.EXE

When you enter this field, the system displays the following prompt:

Enter execute string for kinetics program (valid DOS command)--

NOTE: If you have the 2.02 version of WEM, the kinetics software must be executed from the same drive as WEM. If the kinetics software is not located on the same drive as WEM, McKesson recommends that you create a DOS batch file that changes the program path to the correct drive and directory, executes the kinetics package, and then changes the drive back to the original. In the Program Execute String field, enter the name of the batch file. Leave the Program Path field blank.

For example, you could set up the following DOS batch file if the kinetics software is located in C:\datakin\ and WEM is located on your F drive:

```
C:
CD \DATAKIN
DATAKIN HBO
F:
```

Enter the name of this batch file in the Program Execute String field and leave the Program Path field blank.

7. PACKAGE (1-A-O)

Enter the name of the kinetics package installed on the PC. For FDB Kinetics Consultant, enter **F**. For Data Med Assurance Kinetics, enter **D**. For Simkin CAPCIL, enter **S**.

When you enter this field, the system displays the following prompt:

Enter new kinetics package-- (F)irst DataBank, (D)ataMed or (S)imkin?--

8. DATA FILE PATH (U-C-O)

Enter the DOS path where the input and output (upload) files are to reside, providing the drive and the directory or directories. End the path with a backslash (\). For example, enter C:\datakin\files\ if the software is located on the C drive in the *files* subdirectory of the *datakin* directory.

When you enter this field, the system displays the following prompt:

Enter DOS path name where data files reside--

9. DOWNLOAD FILE (12-C-O)

For FDB DataKinetics with WEM, FDB Kinetics Consultant and Data Med Assurance Kinetics, and Simkin CAPCIL, enter **AUTO.DAT** as the download file name. This field indicates the name of the DOS file that is sent as input to the kinetics package. STAR Pharmacy creates this file as part of the download process.

When you enter this field, the system displays the following prompt:

Enter DOS file name for download data (xxxxxxxx.xxx)

10. UPLOAD FILE (12-C-O)

For FDB DataKinetics with WEM, enter **HBO99999.DAT** as the upload file name. For FDB Kinetics Consultant and Data Med Assurance Kinetics, enter **CLINCON.TXT** as the upload file name. For Simkin CAPCIL, enter **SIMKIN.TXT** as the upload file name. This field indicates the name of the DOS file that is generated as output by the kinetics package. STAR Pharmacy uploads and converts this file as part of the upload process.

When you enter this field, the system displays the following prompt:

Enter DOS file name for upload data (xxxxxxxx.xxx)--

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OVERVIEW

This section contains information about the kinetics functions available in STAR Pharmacy.

Through the Kinetics Access Utilities, you can download the consults, access the third-party kinetics package, and upload the consults to STAR Pharmacy. After a kinetics consult is uploaded, any STAR Pharmacy user can view it.

Through Profile Maintenance, you can perform inquiries on and view patient-level and order-level kinetics consults.

Through Parameters and Defaults, you can set parameters so that consults are printed on the Discharge Summary reports and Patient Profile reports.

KINETICS ACCESS UTILITIES FUNCTIONS

There are three steps to processing kinetics information.

1. A kinetics pharmacist chooses a patient or order from the download queue and downloads the data to the kinetics PC. This data is in the form of a DOS file.
2. The kinetics package uses this file to generate a DOS output file that contains the results of the consult.
3. The consult is uploaded from the PC to STAR Pharmacy and converted into a format that becomes part of the patient's profile. If the consult is associated with an order, it becomes attached to that order.

The Kinetics Access Utilities menu in STAR Pharmacy provides three functions for processing kinetics information on any port defined as a kinetics PC. Select the Kinetics Access Utilities option from the Interface Utilities screen. The system displays the following screen:

General Hospital Kinetics Access Utilities Processor	
Tue Jul 05, 1994 11:14 am	
Kinetics Access Utilities Input Options	
Option No.	Option

1	Download Patient
2	Kinetics Access
3	Upload Last Consult

The functions on this screen provide you with a flexible way to perform the three steps in processing kinetics consults, ranging from doing the three steps at once to doing them one at a time. The options are as follows:

- You can select *Download Patient* and do the three-step process of downloading, accessing the kinetics package, and uploading the consult without leaving this option.
- You can select *Download Patient* and download a consult, and, at a later time, you can select *Kinetics Access* and do the last two steps: accessing the package and uploading the consult. For more information, see the Accessing the Kinetics Package subsection.

- You can select Download Patient and download a consult and access the kinetics package, and, at a later time, select *Upload Last Consult* and upload the consult. For more information, see the Uploading the Last Consult subsection.

Downloading a Consult

The Download Patient function enables you to select a patient or order from the download queue and download the data to the kinetics PC for input to the kinetics package. After the data is downloaded, you can continue processing it or perform the remaining steps at a later time.

To download a consult to a kinetics package, select the Download Patient option on the Kinetics Access Utilities screen.

If no consult has been queued for download to the kinetics PC, the system displays the following prompt:

Download queue is empty! Press NL--

If you press ENTER, you exit the function.

If consults have been queued for download to the kinetics PC, the system displays the following screen:

General Hospital Kinetics Access Processor					
Tue Jul 05, 1994 11:17 am					
Page:01		Kinetics download queue			
	Date/Time	Acct	Name	Ord	Description
(1)	07/01 1650	A9220500002	CONNORS,CHRISTINE P	18	DIGOXIN
(2)	07/02 1603	A9216000016	THOMPSON,BENNY	5	AMINOPHYLLINE
(3)	07/03 1322	A9220500016	TAYLOR,JOHNNY	GEN	GENATMICIN SULFA
Enter choice--					

The download queue appears in STAR Table Driver format. Each line of the table represents patient or order information that has been queued for download to the kinetics PC.

You can process the entries in any order. If you select table entries in the order in which they appear, you can process these requests for download in chronological order. At any time, you can exit the function by pressing ENTER.

The following columns appear on the screen:

Date/Time

This column displays the date and time the patient or order information was queued for download.

Acct

This column displays the patient's account number.

Name

This column displays the patient's name.

Ord

For order-level consults, this is the order number; for patient-level consults, this is the patient-level consult code.

Description

For order-level consults, this is the name of drug 1; for patient-level consults, this is the patient-level consult description.

After you select an entry from the queue, the system displays the following prompt:

(D)ownload data to PC, or (R)emove from queue?--

If you enter R to remove the entry from the queue, the system removes the specified entry from the queue and displays the following message:

Removed!

If you enter D to download data to the PC, the system displays the following screen:

General Hospital Kinetics Access Processor									
								Tue Jan 21, 1998 11:27 am	
No	Name	Sex	BD	Room	Doctor	Service	Status		
92205-00002	CONNORS,CHRISTINE	F	04/13/62	ICU-03	BOROS,STEP	MEDICAL	IP1	19	
Order	Drug				Route	Freq	Sched	Start	Stop
18#	DIGOXIN 0.125 MG TABLET				ORAL	DAILY	DAILY	07/23	ACT
1 Serum Creatinine					2 Creatinine Clearance				
1.5 mg/dl					65.1 ml/min				
Enter the patient's serum creatinine (mg/dl)--									

Enter the Serum Creatinine value. The system accepts values up to 99.99 mg/dl. You can enter up to two digits before the decimal and two digits after the decimal.

Enter the Creatinine Clearance value. The system accepts values up to 999.9 ml/min. You can enter up to three digits before the decimal and one digit after the decimal.

To return to the display of the download queue without downloading a selected entry, press ENTER.

If you accept the screen, the system displays the following message in the middle of the screen:

Downloading data to PC!

As the system downloads the patient or order information to the kinetics PC through WEM, the system displays an information box that contains the file name, the file path, the number of blocks transmitted, the number of bytes transmitted, the average CPS, the transfer status, and the elapsed time. The file name and path of the resultingDOS file are determined by the Download File and Data File Path fields in the Kinetics PC Definitions file (as described in [Chapter 3 - INSTALLATION](#)).

After the data is downloaded, the system displays the following prompt:

Access kinetics package now? (Y/N)--

If you select to access the kinetics package, you can do one of the following:

- Access the kinetics package to continue the kinetics processing for the patient or order information that has just been downloaded

- Continue the process at a later time (see the Accessing the Kinetics Package subsection)

If you enter N, the system exits the Download Patient function and returns to the display of the download queue. If you decide to continue processing, you can access the kinetics package through DOS or Windows.

If you enter Y, the system attempts to access the kinetics package through WEM. WEM initiates and turns control over to the kinetics package. (For operating instructions for the kinetics package, refer to the documentation provided with the individual kinetics package.) The kineticspackage can then generate a kinetics consult in the form of a DOS file.

NOTE: If the Kinetics PC Definitions table is not set up correctly for the PC or the PC does not have sufficient memory to run the kinetics package, the kinetics package cannot start and the system displays the *Upload consult to PC? (Y/N) [Y]--* prompt.

In either case, complete the following steps:

1. Exit the Kinetics Access function.
2. Exit WEM.
3. Initiate the kinetics package from DOS or Windows in order to generate the consult.
4. Run the Upload Last Consult function to upload the consult to STAR Pharmacy (see the Uploading the Last Consult subsection).

After you exit the kinetics package, the system returns you to STAR Pharmacy and displays the following prompt:

Upload consult to PC? (Y/N) [Y]--

This prompt enables you to specify whether to upload the consult generated by the kinetics package to STAR Pharmacy. If you enter N, the system displays the download queue, and you can later use the Upload Consult function to complete the process.

If you enter Y, the system displays the following message across the middle of the screen as it tries to upload the DOS file:

Uploading Consult from PC...

The system then attempts to upload the DOS file that contains the most recent kinetics consult. During this process, the system displays an information box that contains the file name, the file path, the number of blocks transmitted, the number of bytes transmitted, the average CPS, the transfer status, and the elapsed time. The file name

is specified by the Upload File field in the Kinetics PC Definitions table, as described in “Chapter 3 - INSTALLATION”.

The system then displays the patient information and either the order information (for order-level consults) or the patient-level code information (for patient-level consults). The system displays the following prompt:

Is this the desired consult? (Y/N) [Y]--

If you enter Y, the system attaches the consult to the correct patient, displays the *Upload Complete!* message, and exits the function.

If you enter N, the system does not upload the consult and exits the function.

If the upload is unsuccessful, the system displays the following error message, and then exits the function:

Error: Upload error!

If an integrity error occurs during the generation of the consult, the system displays the following error message and exits the function:

Error: Invalid PC file format-- upload not possible!

NOTE: When a new consult is added, it replaces the previous consult for the specified order or patient-level code.

Accessing the Kinetics Package

The Kinetics Access function enables you to directly access the kinetics package without exiting the STAR system or WEM, after you have downloaded a consult.

When you select the Kinetics Access function, the system displays the following prompt:

Access kinetics package now? (Y/N)--

If you enter Y, the system attempts to access the kinetics package through WEM. For more details about this process, see the information in the Downloading a Consult subsection.

After you finish accessing the kinetics package, you can either upload the consult now or at a later time.

After you exit, the system displays the following prompt:

Upload consult to PC? (Y/N) [Y]--

If you enter Y or press ENTER, the process is the same as that described under the Download Patient function. For details, see the information in the Downloading a Consult subsection.

Uploading the Last Consult

The Upload Last Consult function enables you to upload the most recent consult generated by the kinetics package. Use this function when you want to do one of the following:

- Upload a consult after you have exited the Kinetics Access function
- Attempt to upload a consult that was previously unsuccessful

You can access this function only from a port defined as a kinetics PC in the Kinetics PC Definitions table. If you try to access this function from any other port, the system displays the following prompt and exits:

Function can only be accessed from a kinetics PC!

If you access this function from a defined port, the system displays the following prompt:

Upload last consult? (Y/N)-- [Y]

If you enter N, the system exits the function. If you enter Y, the process is the same as that described under the Download Patient function. For more details, see the information in the Downloading a Consult subsection.

PROFILE MAINTENANCE

After a kinetics consult is attached to a patient's profile, any STAR Pharmacy user can view the kinetics consult for that patient.

There are two types of kinetics consults:

- **Order-Level consults** exist in conjunction with a specific patient and a specific order
- **Patient-Level consults** exist in conjunction with a patient only.

You can use functions in Profile Maintenance to

- Queue patient or order data for download to the PC
- Examine the download queue online
- Examine, print, and delete kinetics consults, after they have been uploaded

Only one consult can exist per order. When a new consult is uploaded, it replaces any previous consult. Orders in order inquiry that have consults are highlighted by a pound sign (#).

An audit trail displays transactions that affect the consult.

This section describes the inquiry process for order-level consults, the inquiry process for patient-level consults, and the consult maintenance process for both types of consults.

Inquiries for Order-Level Consults

You can access order-level consults either through the Documentation/Kinetics Consults option on the Profile Maintenance submenu or the Order Documentation/Kinetics Consults option in Profile Management as explained later in this subsection.

To access an order-level consult in Profile Maintenance, you must select an existing order from the patient profile. In order inquiry, if the patient has order documentation attached, the system displays an asterisk (*) next to the order number. If an order-level kinetics consult exists, the system displays a pound sign (#) next to the order that has a consult. In cases where order documentation and an order-level kinetics consult exist, the system displays both an asterisk (*) and a pound sign (#) next to the order number.

```

General Hospital Profile Maintenance Processor
Maintenance Options                               Tue May 20, 2003 10:34 am
No      Name      Sex  BD   Room  Doctor  Service Status
92210-00002  WINDHAM,BRUCE EARL M 12/14/57 2108-2  LEES,JACK  MEDICAL I/P 14
Allergies:CODEINE/MORPHINE
Order Drug
8# DIGOXIN 0.25 MG TABLET                      Route Freq Sched Start Stop Sta M
4 FLURAZEPAM HCL 30 MG CAPSULE                  ORAL  DAILY DAILY 07/05      ACT
1 ASPIRIN/OXYCODONE 1 TABLET                  ORAL  Q4-6H PRN   07/05      ACT
5 CETYLPIRIDINIUM CHLORIDE 1 LOZENGE            ORAL  PRN    PRN   07/05      ACT
3* HYDROXYZINE HCL 50 MG/2 ML                  IM    Q3HP  PRN   07/05      ACT
6 MEPERIDINE HCL 25-50 MG/1-2 ML                IM    Q4-6H PRN   07/05 07/08 ACT
2 Next: Bottle 5 07/06/94 10:26am               Pgy   Q6H    100  07/05      ACT
      CEPHALOTHIN SODIUM 1 GM/1 INJECTION        QB    DAILY 07/05
      DEXTROSE 5% 50 ML                        QB    DAILY 07/05
7 Next: Bottle 3 07/06/94 06:28am               Pri   100  07/05      ACT
      D5-NACL 0.45%-KCL 20MEQ/L 1,000 ML        QB    DAILY 07/05

No more orders
Enter order numbers--
                        end selection(NL) next page(/) Filter(/F)

```

Enter the order number. The system displays the Profile Maintenance Options submenu:

```

General Hospital Profile Maintenance Processor
Maintenance Options                               Tue Jul 23, 2002 10:38 am
No      Name      Sex  BD   Room  Doctor  Service Status
922210-00002  WINDHAM,BRUCE EARL M 12/14/57 2108-2  LEES,JACK  MEDICAL I/P 14
Allergies:CODEINE/MORPHINE
Order First Drug
8# DIGOXIN 0.25 MG TABLET                      Route Freq Sched Start Stop Sta M
      Option No.  Option
      -----
      1          Revise Order
      2          Discontinue Order
      3          Hold Order
      4          Resume Order
      5          Restart Order
      6          Cancel Order
      7          Remove Pending Status
      8          Display Order Detail
      9          Documentation/Kinetics Consults
     10          Charge
     11          Credit

Enter option # or '/' for next order--

```

Select the Documentation/Kinetics Consults option. After you select this option, the system displays the following prompt:

Access (I)nterventions, (O)rder documentation, or (K)inetics consult?--

If you enter I, the system enables you to access clinical interventions for this patient. For information about order documentation, see the *Inpatient Processing Module* of the *STAR Pharmacy Reference Guide*.

If you enter O, the system enables you to add or edit the order documentation. For information about order documentation, see the *Inpatient Processing Module* of the *STAR Pharmacy Reference Guide*.

If you enter K and a consult exists, you can proceed to maintain it. For more information, see the Kinetics Consult Maintenance subsection.

If a consult does not exist, the system displays the following prompt:

*Consult does not exist-- queue patient data for download? (Y/N) [N]--
(A)udit trail, (V)iew queue*

If you enter V to view the queue, the system displays the Kinetics Download queue. For more information, see the Viewing the Download Queue subsection. If you enter A to view the audit trail, the system displays the audit trail. For more information, see the Viewing the Audit Trail subsection.

If the Kinetics Interface field is set to No on the Misc, HBO-Rx Modules Active parameter, the system displays the following error message when you try to access the Kinetics Consult or the Documentation/Kinetics Consults functions:

Error: Kinetics PC not defined!

To access an order-level consult through Profile Management, select the Order Documentation/Kinetics Consults option on the Profile Management menu. The system displays the Active Patient Inquiry screen with a prompt similar to the following:

Enter acct #, '-'bed code, first chars of name, 'C' for Census [C]--

Identify the patient. For more information, see the Patient Identification Process section in the *General Information Volume* of the *STAR Pharmacy Reference Guide*.

The system displays the following prompt:

Enter order number or '-' for list--

Enter the order number or enter a hyphen (-) for a list.

If you enter a hyphen (-), the system displays all of the orders for that patient.

Below is an example of the screen that is displayed:

```

General Hospital Order Documentation/Kinetics Consults Processor
Order Documentation                               Mon May 19, 2003 02:48 pm
No      Name      Sex  BD   Room   Doctor   Service Status
0228900001  *CASE,SAM      F 04/01/65 2101-01 AKER,THOMA MEDICAL I/P 94
Allergies:CODEINE

Page:01                                Order Inquiry
Order Drug                                Route Freq  Sched Start Stop  Sta M
  1 CAPOZIDE 25/15 12.5 MG TABLET        ORAL  BID   BID   11/06 01/18 HLD
  6 CAPOZIDE 25/15 12.5 MG TABLET        ORAL  BID   BID   11/06 01/18 ACT
 14 FEVERALL SPRINKLE 80 MG CAPSULE        ORAL  DAILY DAILY 11/20    ACT
 11 FUROSEMIDE 20 MG CAPSULE              ORAL  DAILY DAILY 11/06    ACT
  2 FUROSEMIDE 20 MG CAPSULE              ORAL  DAILY DAILY 11/06    ACT
 16 MED ITEM NAME 2 2 CAP                 ORAL  Q4H   DAILY 01/07    ACT
  4 MICRO-K 8 MEQ CAPSULE CR              ORAL  BID   DAILY 11/06    ACT
 18 TAGAMET 400 MG TABLET               ORAL  BID   DAILY 01/15    ACT
 15 med item name 1 CAP                   ORAL  Q4H   DAILY 01/07    ACT
  7 PROPOXACET-N 100 1 TABLET           ORAL  PRN   PRN   11/06    ACT
 19 Next- Bottle 6 01/18/03 06:52am      Inf  Q8H   125  01/16    ACT
      DEXTROSE 5 %/1,000 ML              QB    DAILY 01/16 01/19
      TAGAMET 150 MG/1 ML                QB    DAILY 01/16
      Rx Comments      No Ht or Wt      Inc. Interven  Unv. Allergies
Enter order number [/]--
                                next page(/) D/C'd orders(/D)

```

For detailed information about this screen, see the *Inpatient Processing Module* of the *STAR Pharmacy Reference Guide*.

Enter the number for the order you want. The system displays the following screen:

```

General Hospital Order Documentation/Kinetics Consults Processor
Order Documentation                               Mon May 19, 2003 02:48 pm
No      Name      Sex  BD   Room   Doctor   Service Status
0228900001  *CASE,SAM      F 04/01/65 2101-01 AKER,THOMA MEDICAL I/P 94
Allergies:CODEINE

Order First Drug                                Route Freq  Sched Start Stop  Sta M
  1 CAPOZIDE 25/15 12.5 MG TABLET        ORAL  BID   BID   11/06 01/18 HLD

Interventions      : No
Order Doc          : No
Kinetics Consult: No
Access (I)nterventions, (O)rder documentation, or (K)inetics consult?--

```

For information about order documentation, see the *Inpatient Processing Module* of the *STAR Pharmacy Reference Guide*.

If you enter K and a consult exists, you can proceed to maintain it. For more information, see the Kinetics Consult Maintenance subsection.

If a consult does not exist, the system displays the following prompt:

*Consult does not exist-- queue patient data for download? (Y/N) [N]--
(A)udit trail, (V)iew queue*

If you enter V to view the queue, the system displays the Kinetics Download queue. For more information, see the Viewing the Download Queue subsection. If you enter A to view the audit trail, the system displays the audit trail. For more information, see the Viewing the Audit Trail subsection.

Inquiries for Patient-Level Consults

You can set up any number of consults unassigned to an order by assigning a 1- to 3-character alphanumeric code and description for each consult. A patient-level consult is not assigned to an order; instead, a consult code is used to mark the consult. After the consult is uploaded from the kinetics PC, you can view the consult by accessing this code. You can subsequently transfer a patient-level consult to a specific order.

To perform an inquiry for patient-level consults, enter K for Kinetics Consult on the Profile Maintenance processor.

If the Kinetics Interface field is set to No on the Misc, HBO-Rx Modules Active parameter, the system displays the following error message when you try to access the Kinetics Consult or the Documentation/Kinetics Consults functions:

Error: Kinetics PC not defined!

```

General Hospital Profile Maintenance Processor
Maintenance Options                               Thu Jun 21, 2007 01:18 pm
No      Name      Sex  BD   Room  Doctor  Service Status
92210-00002  WINDHAM,BRUCE EARL M 12/14/57 2108-2  LEES,JACK  MEDICAL I/P 11
Allergies:CODEINE/MORPHINE

New Lab Values Received: 01/15/03 15:10  Warning: Lab Value(s) Out of Range

A - Allergies    **Unverified Allergies**
C - Current Lab Values  **Corrected Values Exist**
D - Documentation  **Incomplete Interventions**
H - Hardcopy Profile
K - Kinetics Consult
L - Location History Display
M - Home Medications  **Patient Has Active Home Meds**
N - Nursing Order Review
O - Order Entry
P - Patient Demographics  **No Ht or Wt**
R - Rx Previous Visit Profiles
S - Demand Clinical Screening

Enter order numbers, '-' to list orders or function letter [O]--

```

If no patient-level codes exist for the patient, the system displays the following prompt:

No patient-level consults-- add? (Y/N) [N]--

If you enter N, the system returns to the Patient Information Options Menu.

If you enter Y, the system displays the following prompt:

Enter consult code--

Enter up to three alphabetic characters for the consult code. If you enter nonalphabetic characters, the system displays the following prompt:

Error: Invalid format for this field!

After you enter a valid consult code, the system displays the following screen:

General Hospital Profile Maintenance Processor						
Maintenance Options				Tue Jul 23, 2002 04:00 pm		
No	Name	Sex	BD	Room	Doctor	Service Status
92210-00002	WINDHAM, BRUCE EARL	M	12/14/57	2108-2	LEES, JACK	MEDICAL I/P 11
Allergies: CODEINE/MORPHINE						
1 Code		2 Description		3 Ordering Physician		
LAN				5236 TRULUCK, RICHARD K		

Accept this screen? (Y/N) [Y]--

Field Explanations

1. CODE (DISPLAY ONLY)

This field displays the consult code you entered.

2. DESCRIPTION (33-AN-R)

This field contains the description of the consult. The system permits up to 33 alphanumeric characters. When you enter this field, the system displays the following prompt:

Enter description--

3. ORDERING PHYSICIAN (26-AN-R)

This field identifies the prescribing physician. For items 2 + N of a multiple-item prescription, this field is non-revisable.

When you access this field, the system displays the following prompt:

Enter table code, or `-', ('-) for staff, (\-)NSCG name to override--

There are several ways to identify the ordering physician:

- Enter the code assigned to the physician in the Physicians table.
- Enter a hyphen (-), and select from the Physicians table.
- Enter an apostrophe and hyphen ('-), and select from the list of staff.
- Enter a backslash and hyphen (\-), and select from the list of the non-staff caregivers (NSCG).

After you complete your entries and accept the screen, the new override NSCG becomes the ordering physician and the new override NSCG's name transfers to the New Override NSCG List. At this time, the appropriate administrative personnel can review the override NSCG information and make a determination to include the NSCG as a permanent entry in the Physician/NSCG Tables.

If the override NSCG is not included in the Physician/NSCG Tables and removed from the New Override NSCG List, the system does not retain any of the override NSCG information, such as address, phone, or copy to. Override NSCG information is stored with the patient information and passed to STAR Financials as a default physician.

NOTE: Override NSCGs process the same as current override physicians until they are included in the Physician/NSCG Tables. After an override NSCG is added to the Physician/NSCG Tables as a permanent entry, the NSCG is processed in the same manner as a current staff physician is processed.

If you enter Y to accept this screen, the system files the consult code and displays a *Filed!* message. You can then maintain the kinetics consult.

Kinetics Consult Maintenance

The same process is used for maintaining both patient-level and order-level consults. You can select to view the download queue or view the audit trail. If the requested consult has been uploaded from the kinetics PC and attached to the patient's profile, you can maintain the consult.

If another user is viewing or editing a consult that you are trying to access, the system displays the following prompt:

Consult in use--retry? (Y/N) [Y]--

This prompt continues to display until you enter N or the other user completes the consult.

If the consult does not currently exist on STAR Pharmacy for the patient-level and order-level, the system displays the following prompt:

*Consult does not exist-- queue patient data for download? (Y/N) [N]--
(A)udit trail, (V)iew queue*

If you enter N, the system exits consult maintenance. If you enter Y, the system queues the consult for downloading, displays a *Queued!* message, and returns to the previous prompt.

NOTE: The system displays an asterisk (*) next to the patient's name in the header if the patient has patient documentation attached.

The system displays a pound sign (#) if a patient-level kinetics consult is present.

The system displays both symbols if both are present.

VIEWING THE DOWNLOAD QUEUE

To view the download queue, enter V. The system displays the following screen:

General Hospital Profile Maintenance Processor										
Maintenance Options					Tue Jul 23, 2002 11:00 am					
No	Name	Sex	BD	Room	Doctor	Service Status				
92210-00002	WINDHAM, BRUCE EARL	M	12/14/57	2108-2	LEES, JACK	MEDICAL I/P 14				
Allergies: CODEINE/MORPHINE										
Order	Drug				Route	Freq	Sched	Start	Stop	Sta M
8#	DIGOXIN 0.25 MG TABLET				ORAL	DAILY	DAILY	08/10		ACT
Page: 01										
Kinetics download queue										
	Date/Time	Acct	Name		Ord	Description				
(1)	07/01 1650	A9220500002	CONNORS, CHRISTINE P		18	DIGOXIN				
(2)	07/02 1603	A9216000016	THOMPSON, BENNY		5	AMINOPHYLLINE				
(3)	07/03 1322	A9220500016	TAYLOR, JOHNNY		GEN	GENTAMICIN SULFA				
Enter `/' for next page, or NL--										

The following columns are displayed on the screen:

Date/Time

This column displays the date and time the patient or order information was queued for downloading.

Acct

This column displays the patient's account number.

Name

This column displays the patient's name.

Ord

For order-level consults, this column displays the order number. For patient-level consults, this column displays the patient-level consult code.

Description

For order-level consults, this column displays the name of drug 1. For patient-level consults, this column is the patient-level consult description.

You can enter a slash (/) to scroll through the consults queued for download to the kinetics PC. When you press ENTER, the system returns to the previous prompt.

VIEWING THE AUDIT TRAIL

If you enter A for viewing the consult audit trail, and an audit trail exists for the consult, the system displays the following screen:

General Hospital Profile Maintenance Processor						
Maintenance Options			Tue Jul 23, 2002 11:00 am			
No	Name	Sex	BD	Room	Doctor	Service Status
92210-00002	WINDHAM, BRUCE	EARL M	12/14/57	2108-2	LEES, JACK	MEDICAL I/P 14
Allergies: CODEINE/MORPHINE						
Date/Time		Action		User		
07/05 10:33am		Consult Uploaded		HBO, Employee		
07/05 10:30am		Downloaded		HBO, Employee		
07/05 10:29am		Queued for Download		HBO, Employee		

The following columns appear on the audit trail screen:

Date/Time

This column displays the date and time the action occurred.

Action

This column displays the type of action as one of the following:

- Queued for download
- Downloaded

- Consult Uploaded
- Transferred from <patient-level consult code>
- Deleted

User

This column displays the name of the user who initiated the action.

You can press ENTER to scroll through all events that have affected the consult. The system displays the following prompt on the last line:

Press NL--

After you press ENTER, the system displays the previous prompt. If no audit trail exists, the system displays the following prompt:

Audit trail does not exist!

The system returns to the previous prompt.

If the requested consult has been uploaded from the kinetics PC, the system displays a screen showing the first 10 lines of the consult. The following screen shows a patient-level consult:

General Hospital Profile Maintenance Processor							
Maintenance Options				Tue Jul 23, 2002 11:00 am			
No	Name	Sex	BD	Room	Doctor	Service Status	
92210-00002	WINDHAM, BRUCE EARL	M	12/14/57	2108-2	LEES, JACK	MEDICAL I/P 14	
Allergies: CODEINE/MORPHINE							
Order Drug				Route	Freq	Sched	Start Stop Sta M
8# DIGOXIN 0.25 MG TABLET				ORAL	DAILY	DAILY	07/05 ACT
<div style="text-align: center;">HBO & Company Pharmacokinetic Dosing Service</div>							
Date: 07-05-1994							
Patient: BRUCE EARL WINDHAM							
Room Number: 2108-2							
Patient Number: A92210000028							
Physician: LEES JACK R							
Digoxin Consult							
Continued							
(E)xamine consult, (P)rint, (T)ransfer, or (D)elele?--							
(A)udit Trail, (R)e-queue patient data for download, (V)iew queue							

The prompt for order-level consults is similar to that for patient-level consults except that it does not have the transfer option:

(E)xamine consult, (P)rint or (D)elele?-- |
(A)udit Trail, (R)e-queue patient data for download, (V)iew queue

Examining

If you enter E to examine the consult, the system displays the complete consult in view-only mode, using the Softkey Editor. You can use the Softkey Editor's function keys to page back and forth through the complete document. After you exit the Softkey Editor, the system returns you to the previous prompt.

Printing

If you enter P to print the consult, the system displays the following prompt:

Print kinetics consult? (Y/N)--

If you enter N, the system does not print the consult. If you enter Y, the system displays the *Printing!* message, prints the consult to the default printer assigned to your CRT, and returns to the previous prompt.

NOTE: The consult report prints with a patient header because the patient location might have changed since the consult was downloaded.

Transferring

If you enter T to transfer a patient-level consult to an order, the system prompts you to enter the number of the order to which the patient-level consult is to be transferred. If a consult already exists for that order, the system displays the following prompt:

Consult already exists for order number xx-- overlay? (Y/N) [N]--

If you enter N, the system returns to the previous prompt. If you enter Y or if no consults exist for the order, the system displays the following prompt:

Transfer consult <code> to order number xx? (Y/N) [N]--

If you enter N, the system returns to the previous prompt. If you enter Y, the system transfers the consult to the specified order, displays a *Transferred!* message, and displays the following prompt:

Delete patient-level consult <code>? (Y/N) [Y]--

If you enter N, the system returns to the previous prompt. If you enter Y, the system deletes the patient-level consult, displays the *Deleted!* message, and returns to the previous prompt.

NOTE: When a patient-level consult is transferred to an order, the system displays the following message in the audit trail for the patient-level consult:

Transferred to order xx

Deleting

If you enter D to delete the current consult, the system displays the following prompt:

Delete consult? (Y/N) [N]--

If you enter Y, the system deletes the current consult information and returns to the Profile Maintenance Options submenu. If you enter N, the system returns to the previous prompt.

If you try to delete the consult code for a queued patient-level consult, the system displays the following prompt:

Consult will also be removed from the download queue-- Accept? (Y/N)--

If you enter N, the system does not delete the consult. If you enter Y, the system removes all entries for the code from the download queue and deletes the consult code.

Re-Queuing

If you enter R to re-queue the patient information, the system re-queues the patient or order information to the download queue, displays the *Queued!* message, and returns to the previous prompt.

If you try to queue a patient or order that is already in the queue, the system displays the following prompt:

Warning--already queued for download! Queue again? (Y/N) [N]--

If you enter Y, the patient or order is queued again.

The (A)udit Trail and (V)iew Queue options function as though no consult were present.

PRINTING CONSULTS ON PROFILE/DISCHARGE SUMMARY REPORTS

You can set a parameter to print consults on the Discharge Summary reports and Patient Profile reports. Select Rpt - Profile/Discharge Print on the Parameters and Defaults processor. The system displays the following screen:

General Hospital Parameters and Defaults Processor			
Mon May 19, 2003 01:45 pm			
Rpt - Profile/Discharge Print		Model Hospital A	
Patient Profile Defaults			
1 Order types	2 Solutions		
Both	Primary, Piggyback, Infusion, TPN, Irrigation, Syringe, Chemot		
3 Active Orders	4 Held Orders	5 DC/Cancelled Orders	
Yes	No	For 2 days	
6 Patient Doc	7 Order Doc	8 Kinetics	9 Patients
Yes	Yes	Yes	All Patients
10 Split Meds/Sols	11 Ordered As	12 Patient Header	13 Professional Notes
Yes	Yes	8 lines	Yes
14 Order Sort Default			
->			
Discharge Summary Defaults			
15 Audit Trail	16 Sort	17 Include O/P's	18 Professional Notes
Yes	By Name	Yes	Yes
19 Kinetics	20 Clinical Interventions		
Yes	Yes		
Sort orders by (S)tandard, (O)rder # or (R)everse Order #--			

To set printing of kinetics consults on Patient Profile reports, enter **Y** in the Kinetics field in the Patient Profile Defaults. Entering Y in this field sets the default that the system enters in the Kinetics field of the Print Profile function.

To set printing of patient-level and order-level consults on the Discharge Summary reports, enter **Y** in the Kinetics field in the Discharge Summary Defaults.

The following example shows a Discharge Summary report that has kinetics consults attached to the order:

Figure 4.1 Discharge Summary Profile Report with Kinetics Consults

GENERAL HOSPITAL A		General Hospital		Page: 2		
Patient discharge summary profile		Date: 07/05/94		Time: 10:23am		
No.	Name	Sex	Age	Room	Doctor	Service Status
92198-00004	WINDHAM, BRUCE EA	M	36Y	2104-1	ADAMS, HAROLD R	MEDICAL I/P 0

Ord	Description	Ctrl Freq/ Form ml/hr	SMTWTFSS 1234567	Start Stop	Quantity Charged	Cost Amt Chrg Amt
7	LANOXIN 0.25 MG 0.25 MG (1 TABLET)	QID 1275 ORAL	DAILY	08/26	4	\$.23 \$1.80
<p style="text-align: center;">HBO & Company Pharmacokinetic Dosing Service</p> <p>Date: 07-05-1994 Patient: BRUCE EARL WINDHAM Room Number: 2104-1 Patient Number: A92198000047 Physician: ADAMS HAROLD R</p> <p>Digoxin Consult</p> <p>Dosage Form: Tablet</p> <p>A dose of .325 mg, given every 2 day(s), should give a level of 1.1 ng/m</p> <p>Calculations are based on the following data:</p> <p>Age: 36 Sex: Male Actual body weight: 59 kilograms Ideal body weight: 68 kilograms Weight used for calculations: 59 kilograms Height: 5'8" Serum Creatinine: 1.5 mg/dl Creatinine Clearance: 40 ml/min</p> <p>Current Dose: .325 mg every 2 day(s)</p>						

Chapter 5 - TROUBLESHOOTING

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ERROR MESSAGES

This section contains several error conditions that may occur while using the Kinetics Access Utilities.

Ports

The following are error messages related to the definition of ports:

- If the system displays the following prompt, you entered a port that is not defined as a PC on the Port Modification Utility on the STAR Pharmacy Data Processing menu:

Warning: Device is not defined as a PC!

You need to define the port as a PC on the Port Modification Utility.

- If the system displays the following prompt, you entered a port number that is not defined in the Kinetics PC Definitions table:

Add this code 'xxx'? (Y/N) [Y]--

To define the port as a kinetics port, enter **Y** or press ENTER.

- If you try to access the Upload the Last Consult function from a port that is not defined in the Kinetics PC Definitions table, the system displays the following message and exits the function:

Function can only be accessed from a kinetics PC!

You need to either access the function from a defined port or define the port as a kinetics PC port.

Uploading

The following are error messages related to uploading consults:

- If an upload is unsuccessful, the system displays the following error message, and then exits the function:

Error: Upload error!

- If an integrity error occurs during the generation of the consult, the system displays the following error message and exits the function:

Error: Invalid PC file format-- upload not possible!

Re-Queuing

If you try to queue the same patient or order twice, the system displays the following prompt:

Warning-- already queued for download! Queue again? (Y/N) [N]--

To queue the patient or order again, enter **Y**. To exit the function, enter **N** or press ENTER.

Chapter 6 - TECHNICAL NOTES

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FIELD INFORMATION FOR DOWNLOAD

Following are the fields for download and the STAR fields that are used to fill them.

Line	Description	Type	Length	STAR Field
1	Sex	Char	1 (M,F)	\$P (DP, , 4)
2	Age	Int		P (DP, , 3)
3	Weight	Int		\$P (MP, , , 22)
4	Kilograms or lb.	Char	1 (K,L)	"K"
5	Height in ft.	Int		\$P (MP, , , 21)
6	Height in in. over feet	Int		\$P (MP, , , 21)
7	Serum Creatinine			SC (from horz screen)
8	Creatinine Cl			CC (from horz screen)
9	Patient Name	Char 40		\$P (DP, , , 2)
10	Room Number	Char 10		\$P (MP, , , 2, 3)
11	ID Number	Variable length*		\$P (MP,,13)_\$P(PO,,19)
12	Prescriber	Char 40		\$P (PM, , , 13)
13	Consultant	Char 40		\$P (PM, , , 13)
14	Medical Record Number	Char 10		\$P (DP, , , 1)
15	Account Number	Char 13		\$P (MP, , , 13)
16	Admission Date	MM/DD/YY		\$P (MP, , , 8)

* Dependent on account number length.

NOTE: Lines 14, 15, and 16 are for Simkin CAPCIL only.

MISCELLANEOUS RECORDS INFORMATION

Patient ID Number

If the consult is attached to an order, STAR sends to the kinetics package the external account number concatenated with the external order number. If the consult is not attached to an order, STAR sends to the kinetics package the external account number concatenated with the consult code.

The kinetics package sends this identifier back as the first record and in the upload process so that STAR can determine the IN, AN, and IO from the different cross-reference nodes. STAR then deletes this first record from the consult.

Age

For Data Med Assurance Kinetics, the Age record has a trailing character that indicates the unit of time as follows:

Y	Years
M	Months
D	Days

For FDB Kinetics Consultant or other unspecified packages, the age is in numeric format only and represents the age in years.

Patient Name

For Data Med Assurance Kinetics, the patient name is in the format of Last,First;Middle.

For FDB Kinetics Consultant or for other unspecified packages, the name is in the format of First Middle Last.

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■ R e a d e r C o m m e n t F o r m ■

We value your suggestions for improving our documentation. Please use this form to evaluate the *Kinetics Interface Guide* for *STAR Pharmacy* for Release 17.0.

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