

Chapter 20

Protocols

This chapter—

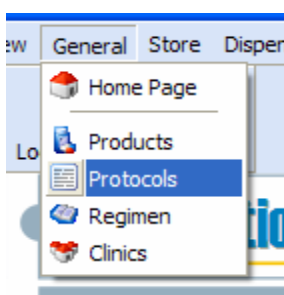
- Explains how protocols are used in RxSolution
- Familiarizes the user with how to—
 - Add a new protocol
 - Edit an existing protocol
 - Delete an existing protocol

Working with Protocol Data

What Is a Protocol?

A protocol is a defined list of products that are usually dispensed as a group. Each protocol contains at least one regimen product. Protocols are built from existing regimens. In RxSolution, protocols are used to streamline prescribing because the user can select a defined protocol to quickly create a prescription. Rather than entering, for example, several antiretroviral medications separately on a prescription, the user can enter a standard treatment protocol one time (building it from the medicine regimens), then simply select the protocol to enter all of the medications at once on the prescription.

How Do I Get to the Protocols Screen?



The protocols screen can be opened by selecting **General** from the main menu, then clicking the **Protocols** option from the drop-down menu.

What Does the Protocols Screen Look Like?

Protocols				
View - Protocol List				
Code	Protocol	ICD Code	ICD Description	Group Code
1a 30	ARV Reg 1a	B20-B24	Human immunodeficiency virus [HIV] disease	1a
1a 30 + Co-Trim+ Vit	ARV Reg 1a	B20-B24	Human immunodeficiency virus [HIV] disease	
1a 30 + Vit	ARV Reg 1a	B20-B24	Human immunodeficiency virus [HIV] disease	
1a 30/400	ARV Reg 1a	B20-B24	Human immunodeficiency virus [HIV] disease	
1a 30/600 @7	ARV Reg 1a	B20-B24	Human immunodeficiency virus [HIV] disease	
1a 30/600 @8	ARV Reg 1a	B20-B24	Human immunodeficiency virus [HIV] disease	
1a 40/600	ARV Reg 1a	B20-B24	Human immunodeficiency virus [HIV] disease	
1a 40/600 @ 6	ARV Reg 1a	B20-B24	Human immunodeficiency virus [HIV] disease	
1a 40/600 @7	ARV Reg 1a	B20-B24	Human immunodeficiency virus [HIV] disease	
1a ABC/3TC/EFV	ARV Reg other	B20-B24	Human immunodeficiency virus [HIV] disease	
1b 30	ARV Reg 1b	B20-B24	Human immunodeficiency virus [HIV] disease	
1b 30 +Co-Trim + Vit	ARV Reg 1b	B20-B24	Human immunodeficiency virus [HIV] disease	
1b 30 +Vit	ARV Reg 1b	B20-B24	Human immunodeficiency virus [HIV] disease	
1b 30 start	ARV Reg 1b	B20-B24	Human immunodeficiency virus [HIV] disease	
1b 30@7	ARV Reg 1b	B20-B24	Human immunodeficiency virus [HIV] disease	
1b 30@8	ARV Reg 1b	B20-B24	Human immunodeficiency virus [HIV] disease	
1b 40	ARV Reg 1b	B20-B24	Human immunodeficiency virus [HIV] disease	
1b 40 start	ARV Reg 1b	B20-B24	Human immunodeficiency virus [HIV] disease	
1b 40@8	ARV Reg 1b	B20-B24	Human immunodeficiency virus [HIV] disease	
1c AZT 300/EFV 600	ARV Reg other	B20-B24	Human immunodeficiency virus [HIV] disease	
1c AZT 300/NVP start	ARV Reg other	B20-B24	Human immunodeficiency virus [HIV] disease	
1c AZT300/EFV400	ARV Reg other	B20-B24	Human immunodeficiency virus [HIV] disease	
1c AZT300/NVP	ARV Reg other	B20-B24	Human immunodeficiency virus [HIV] disease	
1d AZT300/KLT	ARV Reg other	B20-B24	Human immunodeficiency virus [HIV] disease	
1d d4T300/KLT	ARV Reg other	B20-B24	Human immunodeficiency virus [HIV] disease	
1TDF/3TC/EFV	ARV Reg other	B20-B24	Human immunodeficiency virus [HIV] disease	
1TDF/3TC/NVP	ARV Reg other	B20-B24	Human immunodeficiency virus [HIV] disease	
1TDF/3TC/NVP start	ARV Reg 1 other	B20-B24	Human immunodeficiency virus [HIV] disease	

The **Protocols** screen displays the list of protocols that have been predefined to facilitate dispensing. The list is arranged in alphabetical order by protocol name. This screen allows you to add, edit, and delete protocols from the list. The list has five columns: **Code**, **Protocol**, International Classification of Diseases (ICD) **Code**, **ICD Description**, and **Group Code**.

Using RxSolution to Manage Protocol Details

How Do I View the List of Items in a Protocol?


Double click on any protocol on the list to view the list of items within the protocol and to view other details about the protocol. The following screen example shows the protocol called “d4T(30mg_12h) - 3TC(150mg_12h) - EFV(600mg_24h).” The Code for the Protocol is “d4T/3TC/EFV”.

The protocol detail screen is divided into two sections. The header section contains the protocol name, the protocol code, and the **Indication** or ICD information. The second section is a list of regimens that fall under the protocol. All protocols on the system are built from existing regimens.

The screenshot shows the protocol detail screen. At the top, the protocol name is displayed in large blue text: **d4T(30mg_12h) - 3TC(150mg_12h) - EFV(600mg_24h)**. Below this, the protocol code **d4T/3TC/EFV** is shown in a text box. The **Indication** section shows a dropdown menu with **B23.** selected, and a text box containing **Human immunodeficiency virus [HIV] disease resulting in other conditions**. Below the indication, there are navigation buttons: back, forward, search, and a plus sign. A **View - Standard** button is also present. The main section is a table with the following data:

Formulation	Qty	Int	Dur.	Calc.	Product	Qty.	Dir.	Pcks	BP
Stavudine 30mg Capsule [PO]	1	capsul	bd	28	56 Stavudine 30mg (Capsule) [60 Capsule]	60		1	<input type="checkbox"/>
Lamivudine 150mg Tablet [PO]	1	tablet	bd	30	60 Lamivudine 150mg (Tablet) [60 Tablet]	60		1	<input type="checkbox"/>
Efavirenz 50mg Capsule [PO]	3	capsul	nocte	28	84 Efavirenz 50mg (Capsule) [30 Capsule]	90		3	<input type="checkbox"/>

How Do I Add a New Protocol?

1. Click on the plus sign  from the navigation buttons.
2. A new protocol screen with no details (like the following one) will come up. The top section contains the header information where you can enter the protocol name, code, and group, as well as ICD information.

<new protocol>

<nil>

Indication

View - Standard

Formulation	Qty	Int	Dur.	Calc.	Product	Qty.	Dir.	Pcks	BP

Item Detail

RX
Instructions
Warnings
ICD

Label

- In this example, a protocol is created that is built from three products: 'Stavudine 30mg 12hourly, Lamivudine 150mg 12 hourly and Efavirenz 600mg 24hourly. Follow the steps below to add the protocol name and indication, which will create this protocol.
- Add the protocol name and code. An addition identifier can be added right of the code. This can be used to indicted if the Protocol is a First Line (1) Second Line (2) or Post Exposure Prophylaxis (PEP) and Prevention of Mother to Child Transmission (PMTCT)

d4T(30mg_12h) - 3TC(150mg_12h) - EFV(600mg_24h)

d4T/3TC/EFV

1

You may use a code that is a standard code used globally. This code is followed by an abbreviation of the products in the protocol for easy identification of what the protocol contains. In the above example, the protocol is known as d4T/3TC/EFV and it contains d4T, 3TC, and EFV.

To enter the name, highlight the blue text **<new protocol>** and overwrite it with your protocol name. Overwrite the gray **<nil>** text with your protocol code. This example uses d4T(30mg_12h) - 3TC(150mg_12h) - EFV(600mg_24h) as the name, d4T/3TC/EFV as the protocol code, and 1 as the group code meaning it is a first line therapy. The group code can also be used to group related protocols so that, for example, tuberculosis or **preoperative** antibiotic **prophylaxis** protocols can be reported on together.

5. Add the protocol **Indication**.

d4T(30mg_12h) - 3TC(150mg_12h) - EFV(600mg_24h)

d4T/3TC/EFV

1

Indication

B23.	Human immunodeficiency virus [HIV] disease resulting in other conditions
B20-B24	
B20.	
B21.	
B23.	
B22.	
G10.	
Y46.2	

Qty	Int	Dur.	Calc.	Product	Qty.	Dir.	Pcks	BP

The indication for the protocol can be selected by the ICD code or by description. This example uses the code from the drop-down list. When it has been selected, the description will automatically be chosen. You can also search the ICD by description by selecting it from the drop-down list.

d4T(30mg_12h) - 3TC(150mg_12h) - EFV(600mg_24h)

d4T/3TC/EFV

1

Indication

B23.	Human immunodeficiency virus [HIV] disease resulting in other conditions
------	--

6. Add the regimen to the protocol.

Click on the plus sign from the navigation buttons to select the regimen you want to include in your protocol. Pick the regimen from the list, and click the select button to confirm the selection from the regimen list. You can add only one regimen at a time to the protocol. Below is an example of a completed protocol

d4T(30mg_12h) - 3TC(150mg_12h) - EFV(600mg_24h)

d4T/3TC/EFV

1

Indication
B23.

Human immunodeficiency virus [HIV] disease resulting in other conditions

⏪
⏴
⏵
⏩
+
-
✎

↺


View - Standard

Formulation	Qty		Int	Dur.	Calc.	Product	Qty.	Dir.	Pcks	BP	
Stavudine 30mg Capsule [PO]	1	capsule	bd	28	56	Stavudine 30mg (Capsule) [60 Capsule]	60			1	<input type="checkbox"/>
Lamivudine 150mg Tablet [PO]	1	tablet	bd	30	60	Lamivudine 150mg (Tablet) [60 Tablet]	60			1	<input type="checkbox"/>
Efavirenz 600mg Tablet [PO]	1	tablet	nocte	30	30	Efavirenz 600mg (Tablet) [30 Tablet]	30			1	<input type="checkbox"/>


- After all the required regimens have been added to the protocol, click on the **OK** button to save the new protocol.

Note: The user can make changes to the regimen list while editing the protocols only if the regimen is not attached to another protocol.

How Do I Edit a Protocol?

- To make changes to an existing protocol, select the protocol from the protocol list.
- Click on the pencil sign  on your navigation menu or double click on the protocol you want to change.

How Do I Delete a Protocol?

- Select the protocol you want to delete from the list.
- Select the minus sign  from the navigation menu to delete.
- A confirmation message (below) will appear, and you can click on **Yes** to confirm the deletion or on **No** or **Cancel** to cancel the deletion.

