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I - Immunizations

I.1 Immunizations Panel

The Immunizations panel allows the user to view a listing of the immunizations that the participant has received. The user will be able to add immunization records to the Participant Folder, delete immunization records, or edit any immunization records entered by the WIC program. The Immunizations panel also allows the user to print a [Vaccine Coverage Report](#) defined later in this document.

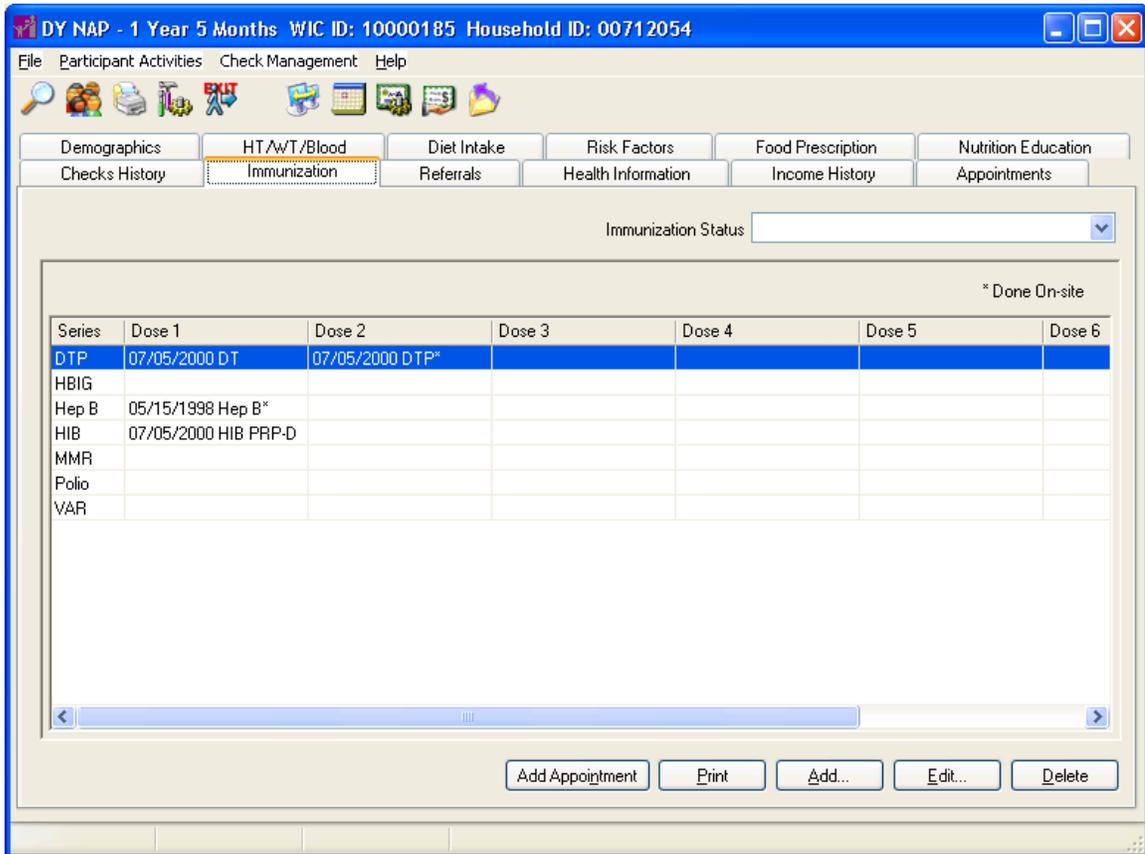


Figure 1 - Immunizations Tab (Participant Folder)

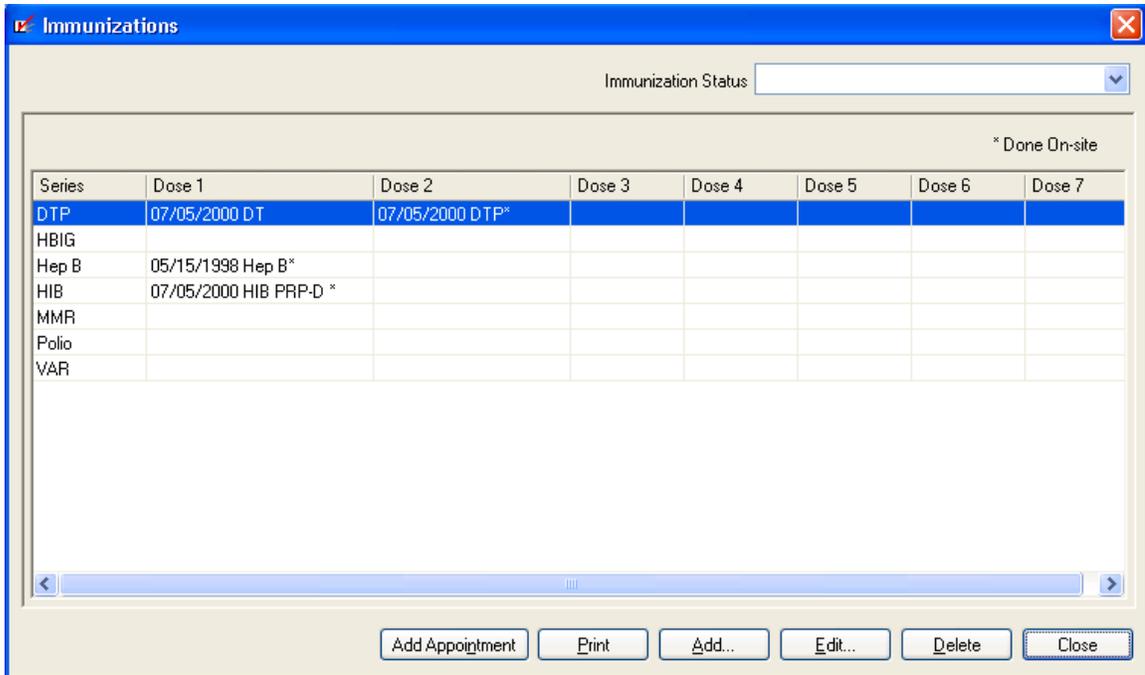


Figure 2 - Immunizations Dialog (Certification Guided Script)

1.1.1 Controls

This section describes the behavior of the controls on the Immunizations panel.

1.1.1.1 Immunization Status

This control allows the user to select the participant's immunization status. The Dropdown will be enabled when the Immunizations panel is active. The list will display all ReferenceDictionary.Description listed in the ReferenceDictionary entity where the ReferenceDictionary.Category = 'IMMSTATUS'. If the Immunization ;panel is displayed in the Participant Folder it will display the previously saved Child.ImmunizationStatus. If the Immunizations panel is displayed in the Certification Guided Script, it will be initially blank.

1.1.1.2 Immunization Grid

This control allows the user to view the immunization history for the participant. The grid will consist of the following columns:

- Series
- Dose 1
- Dose 2
- Dose 3
- Dose 4
- Dose 5
- Dose 6
- Dose 7

The grid will be enabled when the Immunizations panel is active. There will also be an asterisk "*" in the cell if the immunization was done "On-site". Columns will be added for each dose given in a series.

When a cell is selected in the grid and the user has the authority to edit the cell, the Edit button will become enabled and a message is displayed in the left hand panel of the status bar "You may edit this immunization information."

1.1.1.3 Add Appointment Button

This control allows the user to access the Select Appointment to Schedule dialog described in *Chapter 08 - Appointment Scheduling*. The Add Appointment button will be enabled when the Immunizations panel is active. It will have a mnemonic of "N".

1.1.1.4 Print Button

This control allows the user to print the [Vaccine Coverage Report](#). This option may not be available if not applicable to your state. The Print button will be enabled when the Immunizations panel is active. It will have a mnemonic of "R".

1.1.1.5 Add Button

This control allows the user to add a new immunization record for the participant. The Add button will be enabled when the Immunizations panel is active. It has a mnemonic of "A" and is the default button for the panel.

1.1.1.6 Edit Button

The Edit button will be enabled when a cell is selected in the Immunization grid. It has a mnemonic of "E".

1.1.1.7 Delete Button

The Delete button will be enabled when a cell is selected in the Immunization grid. It has a mnemonic of "D".

1.1.2 Processes

This section describes the processes (navigation) that take place as a result of the actions taken on the Immunizations panel.

1.1.2.1 Initializing the Interface

The Immunization Status dropdown will initially be blank when displayed in Certification Guided Scrip. It will display the previously saved value in the Participant Folder.

The Series column fill the row labels with the values defined in the ImmunizationSeries.SeriesID

The remaining columns in the grid will be filled with all immunization records in the ImmunizationDose entity for the selected StateWICID for the selected row for each Immunization and Dose.

1.1.2.2 Edits

All values on the Immunizations panel are considered to be legitimate.

1.1.2.3 Saving the Data

Upon successful completion of the edits, if a change is made to the ImmunizationStatus field, the system will save the value to the Child.ImunizationStatus.

1.1.2.4 Add Appointment Button

Upon selection of the Add Appointment button, the system will check the permissions of the currently logged-on user. If the user has the appropriate permissions (Appointments.Add or FullControl) to schedule an appointment, the system will invoke the Select Appointment to Schedule dialog described in Chapter 08 - Appointment Scheduling.

If the user does not have the appropriate permissions, the system will invoke a standard error message with the text “You do not have the necessary permissions to schedule appointments. Please see the supervisor.”

1.1.2.5 Print Button

Upon selection of the Print button, the system will generate and send the [Vaccine Coverage Report](#) as defined later in this document to the selected other output printer (see *System Tools*).

1.1.2.6 Add Immunization Record

Upon selection of the Add button, if the user does not have the appropriate permissions (Immunizations.Add or FullControl) to add an immunization record, the system invokes a standard error message with the text “You do not have the necessary permissions to add a vaccine. Please see the supervisor.”

If the user has the appropriate permissions, the system will invoke the [Add Immunization\(s\) dialog](#).

1.1.2.7 Edit Immunization Record

Upon selection of the Edit button:

If the user does not have the appropriate permissions (Immunizations.FullControl) to edit an immunization record, the system invokes a standard error message with the text “You do not have the necessary permissions to edit a vaccine. Please see the supervisor.”

If the user has the appropriate permissions, the system will invoke the [Edit Immunization Dialog](#).

1.1.2.8 Delete Immunization Record

Upon selection of the Delete button, if the user does not have the appropriate permissions (Immunizations.FullControl) to delete an immunization, the system invokes a standard error message with the text “You do not have the necessary permissions to delete a vaccine. Please see the supervisor.”

If the user does have the appropriate permissions, the system will invokes standard warning message with the text: “Are you sure you want to delete the immunization record?”. The options of Yes and No will be available. If the user selects “Yes”, the immunization record is deleted from the ImmunizationDose entity for the selected immunization and the Immunization grid is refreshed. If the user selects “No” the system will return to the Immunizations panel without deleting the record.

1.1.2.9 Data Map

Control Label	Entity	Attribute	Business Rule
ImmunizationStatus	Child	ImmunizationStatus	

1.2 Add Immunization(s)

The Add Immunization(s) dialog allows the user to enter immunization data. The dialog will display directly below the Immunization grid, so the user can see both the grid and the Add Immunization(s) dialog. The user will be able to enter more than one immunization record at a time by selecting the Next button. The dialog is invoked when the user selects the Add button on the Immunizations panel.



Figure 3 - Add Immunization(s)

1.2.1 Controls

This section describes the behavior of the controls on the Add Immunization(s) dialog.

1.2.1.1 Vaccine ID Dropdown

This control allows the user to enter vaccines that have been given to the participant. The Dropdown will be enabled when the Add Immunization(s) dialog is active. The Dropdown will contain a list of valid vaccines from the Vaccine entity.

1.2.1.2 Date Masked Edit Box

This control allows the user to enter the date the vaccine was given to the participant. The masked edit box will be enabled when the Add Immunization(s) dialog is active. The control will have a mask of “###/###/#####”. The masked edit box will only accept entry of numeric digits. The mask on the box will be “###/###/#####” to accept a date with a four digit year.

1.2.1.3 On-site Check Box

This control allows the user to indicate that the vaccine was given to the participant in the same building in which the WIC clinic is located. The check box will be enabled when the Add Immunization(s) dialog is active. It will initially be blank.

1.2.1.4 Next Button

This control allows the user to enter another immunization record for the participant after the present immunization record is saved. The Next button will be enabled when the Add Immunization(s) dialog is active. It has a mnemonic of “N” and is the default button for the dialog.

1.2.1.5 Done Button

This control allows the user to complete entering immunization information and exit the Add Immunization(s) dialog. The Done button will be enabled when the Add Immunization(s) dialog is active. It has a mnemonic of “D”.

1.2.1.6 Cancel Button

This control allows the user to exit the Add Immunization(s) dialog without saving the immunization information. The Cancel button will be enabled when the Add Immunization(s) dialog is active. Characteristics for the Cancel button are defined in [Consistencies](#).

1.2.2 Processing

This section describes the processes (navigation) that takes place as a result of the actions taken on the Add Immunization(s) dialog.

1.2.2.1 Initializing the Interface

Upon initial display of the Add Immunization(s) dialog, the title bar text will be set to “Add Immunization(s)”

The following controls will be initially blank:

- Date masked edit box
- Vaccine dropdown
- On-site check box

1.2.2.2 Edits

Upon selection of the Next or Done buttons, if the date entered in the Contact Date masked edit box must not be greater than the system date. If the date is greater than the system date, the system will invoke a standard error message with the text “The date entered must be less than the current system date.”

The date entered in the Contact Date masked edit box must not be before the date of birth of the participant. If the date is before the date of birth, the system will invoke a standard error message with the text “The date entered must be equal to or greater than the client’s date of birth.”

If an entry is not made in the Vaccine ID Dropdown is blank, the system will invoke a standard error message with the text “A selection is required for the {control label}”.

If an entry is not made in the Date masked edit box, the system will invoke a standard error message with the text “An entry is required for the {control label}”.

If an invalid date is entered into the Date masked edit box, the system will invoke a standard error message with the text “Invalid date entered.”

1.2.2.3 Next Immunization Record

Upon selection of the Next button and successful completion of the above-listed edits, the system will save the values as defined in *Saving the Data* for this dialog.

The system will re-display the Add Immunization(s) dialog as follows

- The Vaccine dropdown will remain populated with the existing value.
- The Date and On-site values will be cleared.

1.2.2.4 Done

Upon selection of the Done button and successful completion of the above-listed edits, the system will save the values as defined in *Saving the Data* for this dialog.

The system will return to the Immunizations panel.

The Immunizations grid is refreshed.

1.2.2.5 Saving the Data

Upon selection of the Next or Done buttons and succession completion of the above-listed edits, the system will save the data as defined in the data map for this dialog. The system will also increment the ImmunizationDose.SeriesDose value by 1 for each record of the vaccine that is added for the selected StateWICID.

If this is a duplicate record (series, vaccine, received date, on-site), the system will invoke an error message with the text “This is a duplicate record.”

1.2.2.6 Cancel

Upon selection of the Cancel, the system will discard any changes made to the current dialog and return to the Immunizations panel.

1.2.2.7 Data Map

Control Label	Entity	Attribute	Business Rule
Vaccine	ImmunizationDose	VaccineID	
Date	ImmunizationDose	ReceivedDate	
On-site	ImmunizationDose	ReceivedOnSite (Y/N)	

1.3 Edit Immunization

The Edit Immunization Dialog allows the user to edit the immunization data. The user will be able to change the date the immunization was given and indicate it was done on site, but they will not be able to change the Vaccine ID. The dialog will display directly below the Immunization grid, so the user can see both the grid and the Edit Immunization Dialog. The Edit Immunization Dialog is invoked when the user selects the Edit button on the Immunizations panel.

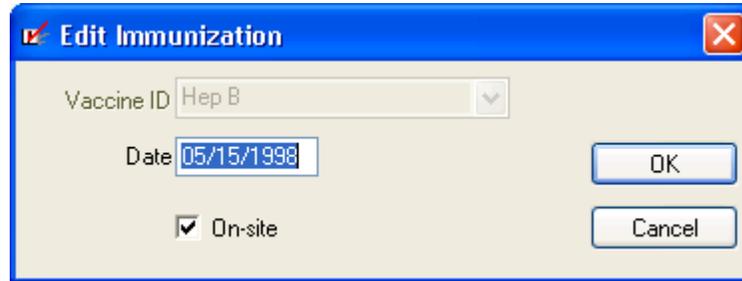


Figure 4 - Edit Immunization Dialog

1.3.1 Controls

This section describes the behavior of the controls on the Edit Immunization Dialog.

1.3.1.1 Vaccine ID Dropdown

This control allows the user to view the vaccine that was given to the participant. The Dropdown will be disabled and populated with the value of the immunization record selected on the Immunization grid on the Immunizations panel.

1.3.1.2 Date Masked Edit Box

This control allows the user to enter the date the vaccine was given to the participant. The masked edit box will be enabled when the Edit Immunization Dialog is active. It will only accept entry of numeric digits. The mask on the box will be “###/###/####” to accept a date with a four digit year. The control will be populated with the value of the immunization record selected on the Immunization grid on the Immunizations panel.

1.3.1.3 On-site Check Box

This control allows the user to indicate that the vaccine was given to the participant in the same building in which the WIC clinic is located. The check box will be enabled when the Edit Immunization Dialog is active. It will be populated with the value of the immunization record selected on the Immunization grid on the Immunizations panel.

1.3.1.4 OK Button

The OK button will be enabled when the Edit Immunization Dialog is active. . (See *Saving the Data* in the Processing section below)
Characteristics for the OK button are defined in [Consistencies](#).

1.3.1.5 Cancel Button

The Cancel button will be enabled when the Edit Immunization Dialog is active. Characteristics for the Cancel button are defined in [Consistencies](#)

1.3.2 Processes

This section describes the processes (navigation) that takes place as a result of the actions taken on the Edit Immunization Dialog.

1.3.2.1 Initializing the Interface

Upon initial display of the Edit Immunization dialog, the title bar text will be set to “Edit Immunization”

The controls on the dialog will be populated with the previously saved values as defined in the Data Map for this dialog.

1.3.2.2 Edits

Upon selection of the OK button, if the date entered in the Contact Date masked edit box must not be greater than the system date. If the date is greater than the system date, the system will invoke a standard error message with the text “The date entered must be less than the current system date.”

The date entered in the Contact Date masked edit box must not be before the date of birth of the participant. If the date is before the date of birth, the system will invoke a standard error message with the text “The date entered must be equal to or greater than the client’s date of birth.”

If an entry is not made in the Vaccine ID Dropdown is blank, the system will invoke a standard error message with the text “A selection is required for the {control label}”.

If an entry is not made in the Date masked edit box, the system will invoke a standard error message with the text “An entry is required for the {control label}”.

If an invalid date is entered into the Date masked edit box, the system will invoke a standard error message with the text “Invalid date entered.”

1.3.2.3 Saving the Data

Upon successful completion of the above-listed edits, the system will save the values as defined in the Data Map described in the processing section for Add Immunization(s)

If this is a duplicate record (series, vaccine, received date, on-site), the system will invoke an error message with the text “This is a duplicate record.”

The system will also increment the ImmunizationDose.SeriesDose value by 1 for each record of the vaccine that is added for the selected StateWICID.

The system will return to the Immunizations panel.

The Immunizations Grid is refreshed.

1.3.2.4 Cancel

Upon selection of the Cancel, the system will discard any changes and return to the Immunizations panel.

1.4 Vaccine Coverage Report (Output)

This report allows the user to print a report of the current immunization history for the client. The Vaccine Coverage Report may not be applicable to your state. This report is generated in response to the following user actions:

- Selection of the Print button on the [Immunizations panel](#) defined above.

Individual Vaccine Coverage Report

Vaccine Coverage Report
Clinic WIC Clinic
555-555-2987
Date: 10/16/1997

Name: Jane A Smith
Address: 123 West Main Street
Anytown, KS 66210-0001

Phone: 555-555-1234 Sex: F Birth Date: 10/22/1996
Next Visit: 04/02/1998
10:15AM

Rep Name: Jean R Ator

Dose	Vaccine	Date Given
1	SOJ5	12/22/1996
2	SOJ5	XX/XX/XXXX
1	IMO1	12/22/1996
1	DPTS	XX/XX/XXXX
2	DPTS	XX/XX/XXXX
3	DPTS	XX/XX/XXXX
.	.	.
.	.	.
.	.	.

Schedule in accordance with the Department of Health and Senior Services/
Immunization Program

I.4.1 Data Elements

This section describes the data elements that will print on the document.

I.4.1.1 Agency Name

This value will be the name of the agency.

I.4.1.1.1 Origin of Data Element

The value will be taken from the Agency.AgencyName.

I.4.1.1.2 Format

The value will print as its literal value.

I.4.1.2 Administrative Site Telephone Number

This value will be the telephone number of the Clinic.

I.4.1.2.1 Origin of Data Element

The value will be taken from the Telephone.Agency.

I.4.1.2.2 Format

The value will print in ###-###-#### format.

I.4.1.3 Current Date

This value will be the current system date at the time the Vaccine Coverage report was generated.

I.4.1.3.1 Origin of Data Element

The source of this value will be the internal clock of the computer generating the Vaccine Coverage report.

I.4.1.3.2 Format

The value will print in MM/DD/CCYY format.

I.4.1.4 Client Name

This value will be the full name of the client.

I.4.1.4.1 Origin of Data Element

The value will be taken from the Last-Name, First-Name, and Middle-Initial attributes of the MEMBER entity of the client.

I.4.1.4.2 Format

The value will print in {first name} {middle initial}. {last name} format.

1.4.1.5 Client Mailing Address

This value will be the mailing address of the household of the client.

1.4.1.5.1 Origin of Data Element

The value will be taken from the Mail-Address of the HOUSEHOLD entity of the client.

1.4.1.5.2 Format

The value will print as its literal value.

1.4.1.6 Client Mailing City

This value will be the mailing city of the household of the client.

1.4.1.6.1 Origin of Data Element

The value will be taken from the Mail-City of the HOUSEHOLD entity of the client.

1.4.1.6.2 Format

The value will print as its literal value.

1.4.1.7 Client Mailing State

This value will be the mailing state of the household of the client.

1.4.1.7.1 Origin of Data Element

The value will be taken from the Mail-State attribute of the HOUSEHOLD entity of the client.

1.4.1.7.2 Format

The value will print as its literal value.

1.4.1.8 Client Mailing ZIP Code

This value will be the mailing ZIP code of the household of the client.

1.4.1.8.1 Origin of Data Element

The value will be taken from the Mail-ZIP attribute of the HOUSEHOLD entity of the client.

1.4.1.8.2 Format

The value will print in #####-#### format.

1.4.1.9 Client Date of Birth (Birth Date)

The value will be the date of birth declared by the participant during enrollment.

1.4.1.9.1 Origin of Data Element

The value will be taken from the Date-Of-Birth attribute of the MEMBER entity.

1.4.1.9.2 Format

The value will print as its literal value.

1.4.1.10 Client Telephone Number (Phone)

This value will be the telephone number of the household of the participant.

1.4.1.10.1 Origin of Data Element

The value will be taken from the Telephone-1 attribute of the HOUSEHOLD entity.

1.4.1.10.2 Format

The value will print in ###-###-#### format.

1.4.1.11 Client Gender

This value will be the gender of the participant.

1.4.1.11.1 Origin of Data Element

The value will be taken from Gender attribute of the MEMBER entity.

1.4.1.11.2 Format

The value will print as its literal value.

1.4.1.12 Date of Next Scheduled Visit (Next Visit)

This value will be the date of the next scheduled appointment for the participant.

1.4.1.12.1 Origin of Data Element

The value will be taken from Appointment-Date attribute of the APPOINTMENT entity.

1.4.1.12.2 Format

The date will print in MM/DD/CCYY format.

1.4.1.13 Authorized Representative (Rep Name)

This value will be the full name of the authorized representative of the participant.

1.4.1.13.1 Origin of Data Element

The value will be taken from the Auth-Rep-Last-Name, Auth-Rep-First-Name, and Auth-Rep-Middle-Initial attributes of the MEMBER entity.

1.4.1.13.2 Format

The value will print in {first name} {middle initial}. {last name} format.

1.4.1.14 Time of Next Scheduled Visit

This value will be the time of day for the next scheduled appointment for the participant.

1.4.1.14.1 Origin of Data Element

The value will be taken from Appointment-Time attribute of the APPOINTMENT entity.

1.4.1.14.2 Format

The value will print in HH:MM{AM/PM} format.

1.4.1.15 Dose Number

This value will be the number of the dose administered to the client.

1.4.1.15.1 Origin of Data Element

The value will be taken from the Dose-Number attribute of the IMMUNIZATION entity.

1.4.1.15.2 Format

The value will print in ##.format.

1.4.1.16 Vaccine

This value will be the ID of the vaccine administered to the client.

1.4.1.16.1 Origin of Data Element

The value will be taken from the reference dictionary using the Vaccine-ID attribute found in the IMMUNIZATION entity.

1.4.1.16.2 Format

The value will print as its literal value.

1.4.1.17 Date Given

This value will be the date the dose was administered to the client.

1.4.1.17.1 Origin of Data Element

The value will be taken from the Date-Received attribute of the IMMUNIZATION entity.

1.4.1.17.2 Format

The date will print in MM/DD/CCYY format.

1.4.1.18 Static Message Text

This value will be the message printed in the footer of each page of the report.

1.4.1.18.1 Origin of Data Element

This value will be taken directly from the reference dictionary for the category "VACCVRGTXt".

1.4.1.18.2 Format

Currently the text of the message is "Schedule in accordance with the Department of Health and Senior Services/ Immunization Program."

1.4.2 Filter Criteria

1.4.2.1 Immunization Information for Active Participant

All immunization information for the currently active participant will be included in the report.

1.4.3 Sort Order

1.4.3.1 Vaccine

The report will be sorted first by vaccine name.

1.4.3.2 Dose

The report will be sorted by dose number within vaccine name.

1.4.4 Control Breaks

1.4.4.1 Vaccine

At the change of vaccine, a blank line will be printed to provide grouping for the reader.