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## L - Food Prescription

### L.1 Food Prescription Panel

The Food Prescription panel of the Participant Folder allows the user to view food prescriptions that have been assigned to the participant. Food prescriptions may only be added, modified, or deleted if the participant is currently certified or the user is in the process of certifying the participant.

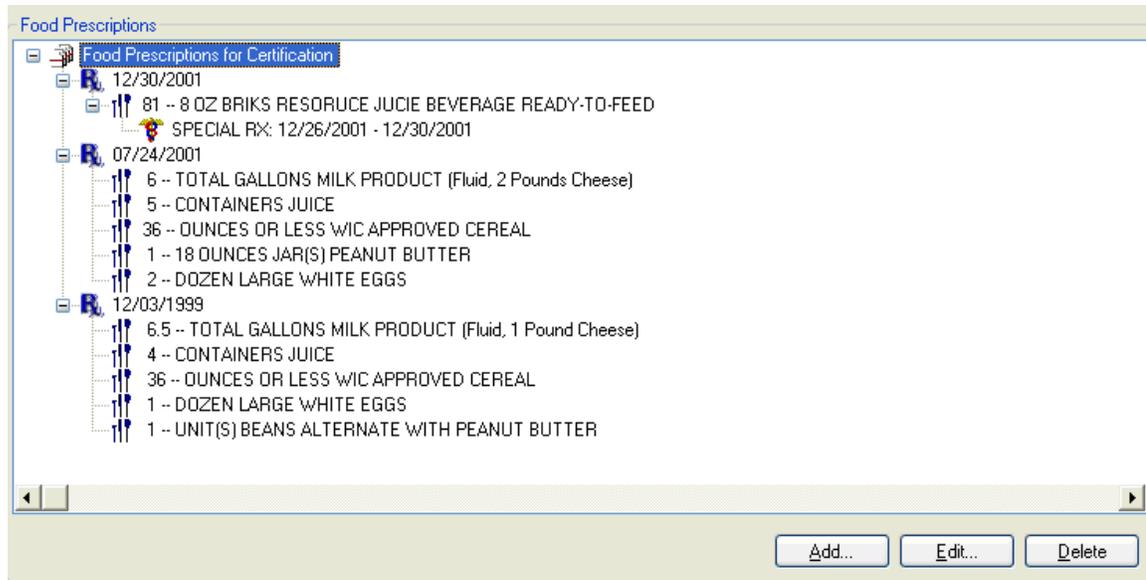


Figure 1 - Food Prescription panel

#### L.1.1 Controls

This section describes the behavior of the controls on the Food Prescription panel of the Participant Folder.

##### L.1.1.1 Food Prescription Display Tree View

This control allows the user to view the food prescriptions for the participant along with the food items that comprise the food prescriptions. The tree view will be enabled when the Food Prescription panel is active. It will consist of the following hierarchical structure:

```
Food Prescriptions Root
|
|_Food Prescription Node
|
|_Food Item
|_Food Item
|
```

### |\_Special Prescription Node

When invoked from the Participant Folder, the panel will display all existing food prescriptions for the participant. If none exist, the root node of the tree will display the text “No food prescriptions exist for this participant”.

When invoked from the Certification Guided Script, the panel will display all existing food prescriptions for the participant where the prescription date is greater than or equal to the most recent certification effective date. If there are no food prescriptions greater than the most recent certification effective date and risk codes have been assigned to the participant, the system will automatically create a default prescription from the appropriate food package. (See section L.2.2.2 Creating a Default Food Prescription) If no food prescriptions are greater than the most recent certification effective date and risk codes have not been assigned to the participant, the system will display a message “There are no risk factors on which to base a default food prescription. The defaulting feature will not be functional.”. After the user selects OK on the message, the root node of the tree will display the “No food prescriptions exist for this participant”.

The food prescriptions will display in chronological order with the most recent prescription (determined by the prescription date) appearing at the top of the list. The most recent food prescription will default to expanded. The data values on the tree view will be read-only.

The list of food prescriptions is selected from the database by joining the FoodPrescription, and FoodPrescriptionItem tables.

#### *L.1.1.2 Food Prescription Tree View Node*

This node of the Food Prescription Display tree view allows the user to view the date on which the food prescription is to take effect. The node will consist of an appropriate icon and text in the format of {food prescription effective date (MM/DD/CCYY)}. The food prescription closest to the current system date (equal to or greater than the current system date) will default to expanded. All other food prescription nodes will be collapsed.

#### *L.1.1.3 Food Item Tree View Node*

This node of the Food Prescription Display tree view allows the user to view the food items that comprise a food prescription. The node will consist of an appropriate icon and text in the format of {quantity of food item} -- {description of food item}.

Item within each prescription will be sorted by base food category in the following order (note that some categories may not appear if not applicable to the participant based on their WIC category and age category):

- Formula

- Milk
- Cheese
- Eggs
- Infant Cereal
- Adult Cereal
- Infant Juice
- Adult Juice
- Legumes
- Tuna
- Carrots

#### *L.1.1.4 Special Prescription Tree View Node*

This node of the Food Prescription Display tree view allows the user to view the special prescription date range for a food item. The node will consist of an appropriate icon and text in the format of {SPECIAL RX: special prescription start date (MM/DD/CCYY) – special prescription end date (MM/DD/CCYY)}.

#### *L.1.1.5 Add Food Prescription Button*

This control allows the user to add a food prescription for the participant. The Add Food Prescription button will be enabled when the participant is in a current certification period. It has a mnemonic of “A” and is the default button for the dialog.

#### *L.1.1.6 Edit Food Prescription Button*

This control allows the user to edit the food prescription selected on the Food Prescription Display tree view. In the Participant Folder, the Edit button will only be enabled when the participant is in a current certification period, and the food prescription node (or a child node of the prescription) selected has a prescription date greater than or equal to the current system date. In the Certification Guided Script, the Edit button will be enabled when the participant is being certified, and the food prescription node (or a child node of the prescription) selected has a prescription date greater than or equal to the current system date. It has a mnemonic of “E”.

#### *L.1.1.7 Delete Food Prescription Button*

This control allows the user to delete the food prescription selected on the Food Prescription Display tree view. In the Participant Folder, the Delete button will only be enabled when the participant is in a current certification period, and the food prescription node (or a child node of the prescription) selected has a prescription date greater than or equal to the current system date. In the Certification Guided Script, the Delete button will be enabled when the participant is being certified, and the food prescription node (or a child node of the prescription) selected has a prescription date greater than or equal to the current system date. It has a mnemonic of “D”

## L.1.2 Processes

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

### *L.1.2.1 Initializing the Interface*

The Food Prescription tree view will display food prescriptions assigned to the participant as described earlier.

The Edit Food Prescription button will be disabled.

The Delete Food Prescription button will be disabled.

If the participant is in a current certification the Add button will be enabled.

### *L.1.2.2 Edits*

There are no updateable controls on the Food Prescription panel; therefore, no edits are performed.

### *L.1.2.3 Saving the Data*

There are no updateable controls on the Food Prescription panel; therefore, no data is written to the database.

### *L.1.2.4 Adding a Food Prescription*

Upon selection of the Add Food Prescription button

- The system will check the permissions of the currently logged-on user. If the user does not have the appropriate permissions (Food Prescriptions.Add or FullControl) to add a food prescription, the system will invoke a standard error message with the text “You do not have the necessary permissions to add a food prescription. Please see the supervisor.”
- If the user has the appropriate permissions, the system will invoke the [Food Prescription Entry dialog](#) in Add mode.
- Upon returning from the dialog, if a prescription was added the tree view will be refreshed.

### *L.1.2.5 Edit Food Prescriptions*

Upon selection of the Edit Food Prescription button:

- The system will check the permissions of the currently logged-on user. If the user does not have the appropriate permissions (Food Prescriptions.FullControl) to edit a food prescription, the system will invoke a standard error message with the text “You do not have the necessary permissions to edit a food prescription. Please see the supervisor.”
- If the user has the appropriate permissions, the system will invoke the [Food Prescription Entry dialog](#) in Edit mode.

- Upon returning from the dialog, if the prescription was changed the tree view will be refreshed.

#### *L.1.2.6 Delete Food Prescriptions*

Upon selection of the Delete Food Prescription button

- The system will check the permissions of the currently logged-on user. If the user does not have the appropriate permissions (Food Prescriptions.FullControl) to delete a food prescription, the system will invoke a standard error message with the text “You do not have the necessary permissions to delete a food prescription. Please see the supervisor.”
- If the user has the appropriate permissions, the system will invoke a standard warning message with the text “Do you want to delete this food prescription?” The options of Yes and No will be available.
  - If the user selects ‘Yes’ the system will dismiss the message and delete the food prescription selected on the Food Prescription Display tree view.
  - If the user selects ‘No’ the system will dismiss the message and return to the Food Prescription panel without deleting the food prescription.

## L.2 Food Prescription Dialog

The Food Prescription dialog allows the user to add a new food prescription or update the selected food prescription on the Food Prescription Display tree view on the Food Prescription panel. The Food Prescription Entry dialog is invoked in response to the following user actions:

- Selection of the Add Food Prescription button on the Food Prescription panel described above.
- Selection of the Edit Food Prescription button on the Food Prescription panel described above.

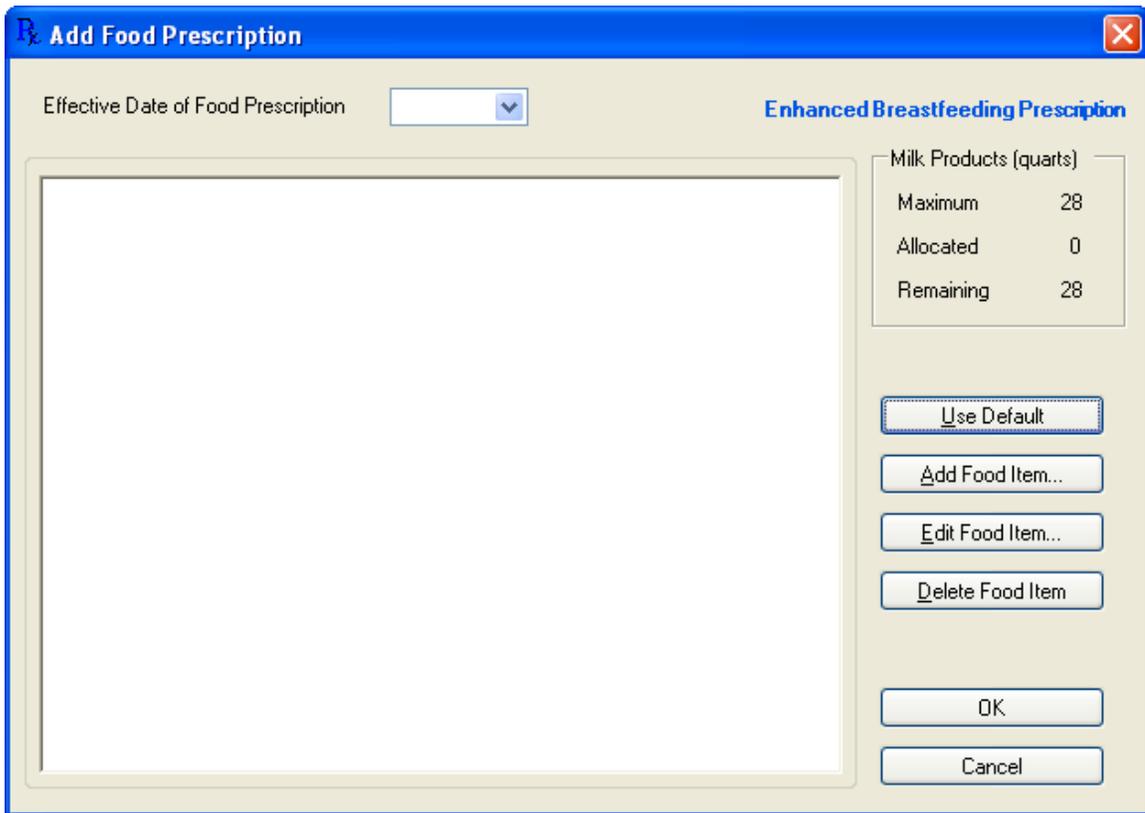


Figure 2 - Add Food Prescription Dialog

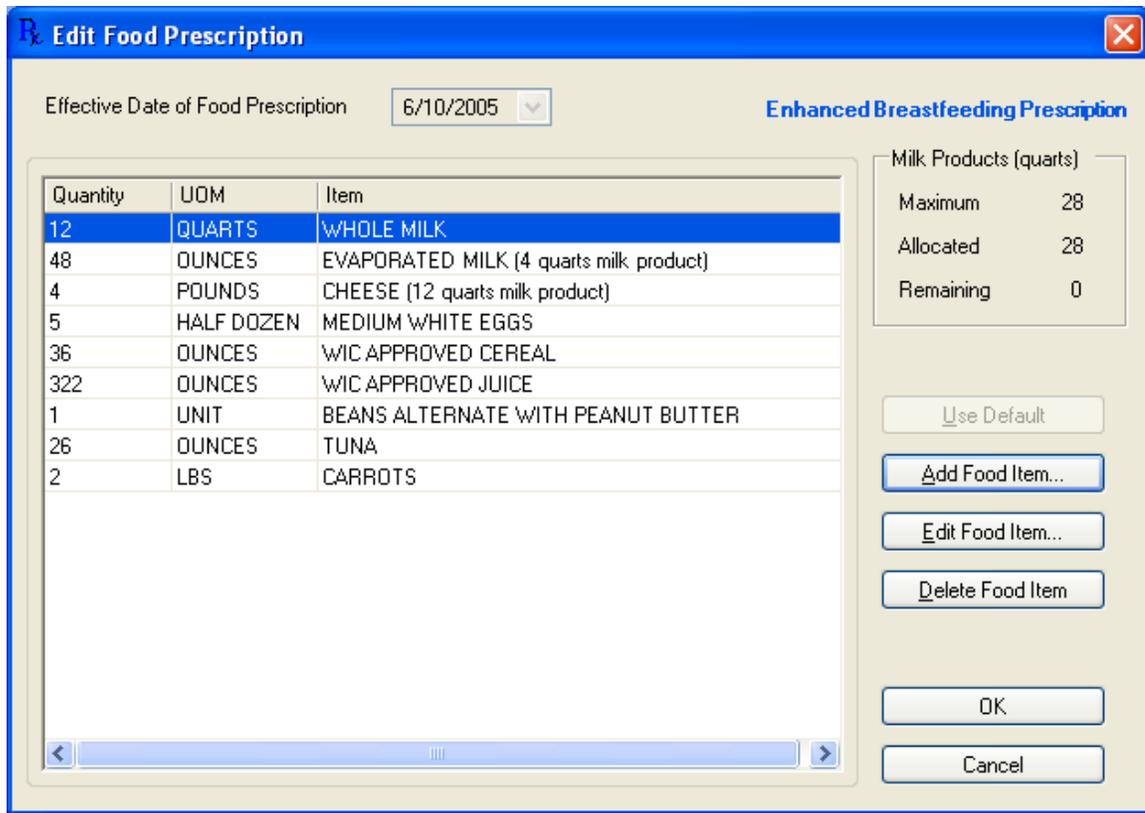


Figure 3 - Edit Food Prescription Dialog

If this dialog was called from the Add Food Prescription button of the Food Prescription panel, it is considered to be in Add mode. If the dialog was called from the Edit Food Prescription button of the Food Prescription panel, it is considered to be in Edit mode.

### L.2.1 Controls

This section describes the behavior of the controls on the Food Prescription Entry dialog.

#### L.2.1.1 Effective Date Calendar Date Control (Effective Date of Food Prescription)

This control allows the user to enter or select the date on which the food prescription is to be effective.

The control will only be enabled when the Food Prescription Entry dialog is in Add mode. The control will accept any input. When the control loses focus (i.e. the user tabs to, or clicks on another control) the control will attempt to validate the string typed into the display area of the control. If the string can not be evaluated as a date then the display area of the control will be cleared. Examples of strings that can be evaluated as dates are: "6/6/05", "06-06-05", "6-6-2005". Examples of strings that do not evaluate as dates are: "14-45-05", "abcd"

If the dialog is in Edit mode, the control will be disabled and populated with the effective date of the prescription being displayed on the dialog.

#### *L.2.1.2 Enhanced Breastfeeding Indicator*

The Enhanced Breastfeeding Indicator will be visible if the participant has been determined to be in need of an enhanced breastfeeding prescription during the certification process. When visible, the indicator will display the text “Enhanced Breastfeeding Prescription”.

#### *L.2.1.3 Milk Products Indicator*

The Milk Products Indicator will display information in regard to the maximum fluid milk quart equivalents that can be allocated based on the WIC category and age category of the participant as well the amount currently allocated on the prescription and the balance remaining.

As the user adds and/or edits milk and cheese products to the prescription the allocated amount is incremented or decremented accordingly and the remaining amount is recalculated by subtracting the allocated amount from the maximum amount. While adjusting these amounts the USDA substitution factors for the various milk products are taken into consideration. For example, if the user were to add 2 pounds of cheese to the prescription the allocated amount of milk products would be increased by 6 quarts. (One pound of cheese is the equivalent of 3 quarts of milk.) The aforementioned equivalencies for evaporated milk, dry milks, and cheese are stored in the MilkSubstitution table.

The maximum amount is determined by the state and usually maps directly to the maximum amount prescribed by the FNS for the appropriate food package.

The indicator can be used interactively to ensure that the prescription contains the proper mixture of milk and cheese items that provide the recommended amount of calcium (expressed in the form of quarts of fluid milk).

#### *L.2.1.4 Food Prescription Item Display Grid*

This control allows the user to view the items that comprise the current food prescription. The control will be enabled when the Food Prescription Entry dialog is active. It will consist of the following columns:

- Quantity
- UOM (Unit of Measure)
- Item [description]

The description of each non-fluid milk (e.g. evaporated and dry milks) and cheese item also includes the total fluid milk equivalent in quarts for that item based on the items quantity. This information follows the description and is expressed as “( n quarts of milk product)” where n is the total number of equivalent quarts of fluid milk.

If the dialog is in Add mode, the grid will initially be blank. If the dialog is in Edit mode, an entry will be added to the grid for each food item in the current food prescription. The values on the grid are read-only.

The prescription items will be sorted by base food category as follows:

- Formula
- Milk
- Cheese
- Eggs
- Infant Cereal
- Adult Cereal
- Infant Juice
- Adult Juice
- Legumes
- Tuna
- Carrots

Within each base food category the items will be sorted alphabetically by description. The list cannot be sorted by the user.

#### *L.2.1.5 Use Default Button*

This control allows the user to create a default food prescription from a food package. (See section L.2.2.2 Creating a Default Prescription.) The control will only be enabled when a valid date is displayed in the Effective Date control and the Food Prescription Item display grid is empty. It has a mnemonic of “U”.

#### *L.2.1.6 Add Food Item Button*

This control allows the user to add a food item to the current food prescription. The control will only be enabled when a valid date is displayed in the Effective Date control. It has a mnemonic of “A”.

#### *L.2.1.7 Edit Food Item Button*

This control allows the user to edit a food prescription item. The Edit Food Item button will only be enabled when a food item is selected in the Food Prescription display grid. It has a mnemonic of “E”.

#### *L.2.1.8 Delete Food Item Button*

This control allows the user to delete a food item from the food prescription. The Delete Food Item button will only be enabled when a food item is selected in the Food Prescription Item display grid. It has a mnemonic of “D”.

When all items have been removed from the Food Prescription display grid and a valid date is displayed in the Effective Date control, the Use Default button will become enabled.

### *L.2.1.9 OK Button*

This control allows the user to instruct the system to edit the values of the controls, save the changes, and exit the Food Prescription dialog. The OK button will be enabled when the Food Prescription dialog is active. (See *Saving the Food Prescription* in the Processing section below).

Characteristics for the OK button are defined in *Consistencies*.

### *L.2.1.10 Cancel Button*

This control allows the user to discard any changes made to the food prescription and exit the dialog. The Cancel button will be enabled when the Food Prescription dialog is active. Characteristics for the Cancel button are defined in *Consistencies*.

## **L.2.2 Processes**

This section describes the processes (navigation) that take place as a result of the actions taken on the Food Prescription dialog.

### *L.2.2.1 Initializing the Interface*

In Add Mode:

- The title bar text will be set to “Add Food Prescription”
- The Effective Date will be blank
- The grid will be blank
- If the participant has been designated as needing enhanced breastfeeding supplements the Enhanced Breastfeeding indicator is visible.
- The following controls will be disabled
  - Use Default button
  - Add Food Item button
  - Edit Food Item button
  - Delete Food Item button

In Edit Mode:

- The title bar text will be set to “Edit Food Prescription”
- The Effective Date will be populated with the effective date of the selected food prescription
- The Effective Date will be disabled
- The grid will display the food prescription items contained on the selected prescription.
- The first food item in the grid will be selected.
- If the participant has been designated as needing enhanced breastfeeding supplements the Enhanced Breastfeeding indicator is visible.
- The Use Default button will be disabled.

### *L.2.2.2 Creating a Default Food Prescription*

A default food prescription is created from an appropriate food package. The food package to be used is determined by assessing the risk factors associated with the current certification of the participant. Each risk factor is associated with a food package. This risk factor/food package relationship is assigned a food package priority. (These relationships are setup and managed by the state office.) Using this list, the application selects the food package having the highest priority. This food package is then used to create the food prescription. If a food package cannot be identified based on the aforementioned risk factors the application will display the following error message: “No default food prescription is possible given the risk factor(s) currently assigned this participant”.

If the food package used to create the prescription requires a formula then the application will immediately display the Select Formula dialog.

### *L.2.2.3 Adding a Food Item*

Pressing the Add Food Item button will allow the user to add a food item to the prescription by invoking the [Add Food Item Dialog](#). Upon returning from the dialog if an item was added to the prescription the list will be refreshed to include the new item.

### *L.2.2.4 Editing a Food Item*

Pressing the Edit Food Item button will allow the user to edit the selected list item by invoking the [Edit Food Item Dialog](#). Upon returning from the dialog if the selected item was modified the list will be refreshed to include any changes made the item.

### *L.2.2.5 Deleting a Food Item*

Pressing the Delete Food Item button will allow the user to remove the selected food item from the prescription. Prior to removing the item the system will display a standard warning message with the text “Do you want to delete this food item?” The options of Yes and No will be available.

- If the user selects ‘Yes’, the system will delete the selected food item from the food item list.
- If the user selects ‘No’, the selected item will not be deleted from the list.

### *L.2.2.6 Saving the Food Prescription*

Pressing the OK Button will invoke the following edits:

- If an effective date has not been specified (i.e. the control is empty), the system will invoke a standard error message with the text “An entry is required for the {control label}”.

- If the effective date is less than the system date, the system will invoke a standard error message with the text “The date entered must be equal to or greater than today’s date.”
- If the effective date is greater than the date on which the participant is categorically ineligible, the system will invoke a standard error message with the text “The date entered cannot be greater than the categorical ineligibility date.”
- If there is another food prescription assigned to the participant that has a more recent effective date, the system will invoke a standard error message with the message text, “The date may not precede any previous contact dates.”
- If the effective date of the prescription is the same as the effective data of another food prescription assigned to the participant, the system will invoke a standard error message with the message text, “The food prescription effective date already exists for the participant. Please select another date or modify the existing food prescription for that date.”
- If there are no food items in the prescription (i.e. the list is empty), the system will invoke a standard error message with the text “At least one item must exist in the Food Prescription display grid.”

If all of the above edits “pass”, meaning no error messages are displayed, the food prescription will be saved by either inserting or updating records in the FoodPrescription, FoodPrescriptionItem, and FoodPrescriptionItemReason tables as indicated in the Data Map section below.

Once the information has been saved the dialog is dismissed. If an error occurs while the information is being saved the system will display the error to the user and the dialog will not be dismissed.

#### *L.2.2.7 Food Prescription Data Map*

This dialog and the dialogs invoked from it manage the food prescription information from within the software, locally. The prescription is only persisted to the database when the use presses the OK button on this dialog as described in the above section Saving the Food Prescription.

A food prescription is potentially stored across 3 related tables. The FoodPrescription table is used to store the effective date and links the participant to the specific food items stored in the FoodPrescriptionItem table. Each food item in the prescription has a unique record in the FoodPrescriptionItem table. This record maintains a link to the specific food item in the master list of food items stored in the FoodItem table as well as the specific quantity of the item to be distributed to the participant. If the food item is a special prescription item, the prescription start and end dates as well as the prescribing physician's name and an indicator as to whether the prescription was verbally prescribed to the participant are also stored in the record. If the food item is a special prescription food item, a record is stored in the FoodPrescriptionItemReason table for each reason selected in regard to why the item was prescribed.

### L.3 Select Formula

The Select Formula Dialog allows the user to add a formula food item to a food prescription. It is invoked from:

- The Use Default button on the [Food Prescription dialog](#) if the food package used to create the default prescription requires a formula.
- The Certification Guided Script process if the food package used to create the default prescription requires a formula.

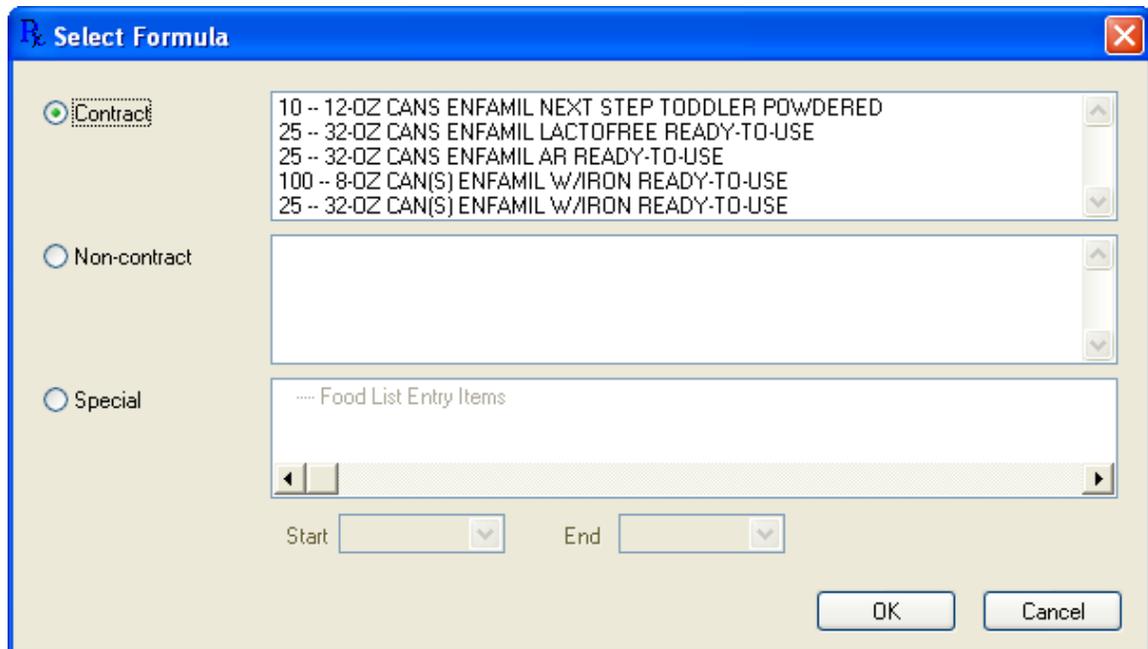


Figure 4 – Select Formula Dialog

#### L.3.1 Controls

This section describes the behavior of the controls on the Select Formula Dialog.

##### L.3.1.1 Formula Type Radio Button Group

This control allows the user to specify the type of formula food item to add to the food prescription. The radio button group will be enabled when the Select Formula Dialog is active. It will consist of the following radio buttons:

- Contract
- Non-contract
- Special

The Contract radio button will initially be selected.

Upon selection of the Contract radio button the Contract list box will be enabled and the following controls will be disabled:

- Non-contract Formula list box

- Special Formula Display tree view
- Special Formula Start Date control
- Special Formula End Date control

Upon selection of the Non-contract radio button the non-contract list box will be enabled and the following controls will be disabled:

- Contract Formula list box
- Special Formula Display tree view
- Special Formula Start Date control
- Special Formula End Date control

Upon selection of either the Contract or Non-contract radio buttons the system will also clear the value of the following controls:

- Special Formula Start Date control
- Special Formula End Date control

Upon selection of the Special radio button the following controls will be enabled:

- Special Formula Display tree view
- Special Formula Start Date control
- Special Formula End Date control

Upon selection of the Special radio button the following controls will be disabled:

- Contract Formula list box
- Non-contract Formula list box

### *L.3.1.2 Contract Formula List Box (Contract)*

This control allows the user to select the contract formula food item to add to the food prescription. The list box will be enabled when the Contract radio button is selected. A single selection may be made by the user.

The list of items is selected from the database by joining the FoodItem table to the FoodItemFormula table where the FormulaType is contract.

### *L.3.1.3 Non-contract Formula List Box (Contract)*

This control allows the user to select the non-contract formula food item to add to the food prescription. The list box will be enabled when the Non-contract radio button is selected. A single selection may be made by the user.

The first time the non-contract radio button is selected the list of non-contract items will be retrieved and displayed in the list box. Once the items have been added to the list box, the first item in the list will be selected.

The list of items is selected from the database by joining the FoodItem table to the FoodItemFormula table where the FormulaType is non-contract.

### *L.3.1.4 Special Formula Display Tree View (Special)*

This control allows the user to select the special formula food item to add to the food prescription. The tree view will be enabled when the Special radio button is selected. It will consist of the following hierarchical structure:

```
Food List Root
|
|_ Food Sub-category Node
   |
   |__ Special Formula Node
   |__ Special Formula Node
```

The first time the special radio button is selected the list of contract items will be retrieved and displayed in the tree view.

The list of items is selected from the database by joining the FoodItem table to the FoodItemFormula table where the FormulaType is special. The list is ordered alphabetically by the formula classification and subsequently the food item description.

### *L.3.1.5 Food Sub-Category Tree View Node*

This node of the Special Formula Display tree view allows the user to view the sub-categories that contain special formula food items. The node will consist of an appropriate icon and text in the format of {food sub-category description}. All food sub-category nodes will be collapsed. The data values on the tree view will be read-only.

A sub-category node is added to the list for each distinct formula classification found in the list of formula items retrieved from the database as described earlier.

### *L.3.1.6 Special Formula Tree View Node*

This node of the Food Item Display tree view allows the user to select a special formula food item for addition to the default food prescription. The node will consist of an appropriate icon and text in the format of {description of special formula food item}.

A special formula node is added to the list for each food item found in the list of formula items retrieved from the database as described earlier. Each item is inserted as a child node of the appropriate sub-category node.

### *L.3.1.7 Special Formula Start Date Calendar Date Control (Start)*

This control allows the user to enter the starting date for the special formula food item. The masked edit box will be enabled when a special formula node is selected in the Special Formula Display tree view. The control will accept any input. When the control loses focus (i.e. the user tabs to, or clicks on another control) the control will attempt to validate the string typed into the display area of the control. If the string can not be evaluated as a date then the display area of the control will be cleared. Examples of strings that can be evaluated as dates are; “6/6/05”, “06-06-05”, “6-6-2005”. Examples of strings that do not evaluate as dates are: “14-45-05”, “abcd”. It will initially be blank.

### *L.3.1.8 Special Formula End Date Calendar Date Control (End)*

This control allows the user to enter the ending date for the special formula food item. The masked edit box will be enabled when a special formula node is selected in the Special Formula Display tree view. The control will accept any input. When the control loses focus (i.e. the user tabs to, or clicks on another control) the control will attempt to validate the string typed into the display area of the control. If the string can not be evaluated as a date then the display area of the control will be cleared. Examples of strings that can be evaluated as dates are; “6/6/05”, “06-06-05”, “6-6-2005”. Examples of strings that do not evaluate as dates are: “14-45-05”, “abcd”. It will initially be blank.

### *L.3.1.9 OK Button*

This control allows the user to instruct the system to edit the values of the controls, save the changes, and exit the Select Formula Dialog. The OK button will be enabled when the Select Formula Dialog is active. (See Selecting the Formula in the Processing section below). Characteristics for the OK button are defined in *Consistencies*.

### *L.3.1.10 Cancel Button*

The Cancel button will be enabled when the Select Formula Dialog is active. Characteristics for the Cancel button are defined in *Consistencies*.

## **L.3.2 Processes**

This section describes the processes (navigation) that take place as a result of the actions taken on the Select Formula dialog.

### *L.3.2.1 Initializing the Interface*

Upon initial display of the dialog:

- The title bar text will be set to “Select Formula”
- The Contract radio button will be selected.
- The Non-contract radio button will be enabled.
- The Special radio button will be enabled.

- The Contract Formula List will be enabled.
- The first item in the Contract formula List will be selected.
- The Non-Contract and Special Formula Lists will be blank and disabled.

### *L.3.2.2 Selecting the Formula*

Pressing the OK button will perform the following edits:

- If the Contract radio button is selected, the system will check that a selection has been made in the Contract Formula list box
- If the Non-contract radio button is selected, the system will check that a selection has been made in Non-contract Formula list box
- If the Special radio button is selected, the system will check to ensure that:
  - A special prescription food item node has been selected from the Special Formula Display tree view
  - A special prescription start and end date have been provided.
  - The start and end dates are greater than or equal to the starting date of the current certification period but not greater than the ending date of the current certification period.
  - The end date is greater than or equal to the start date.

If an item is not selected in the appropriate list the system will display a standard error message with the text “An item must be selected from the list.”

If a special start and end date is required but not provided, the system will display a standard error message with the text “An entry is required for the {control label}”.

If no errors or warnings were encountered while performing the edits mentioned above the system will dismiss the dialog and update the food prescription accordingly based on the values specified on the dialog.

### *L.3.2.3 Canceling the Dialog*

If the dialog is cancelled the system will dismiss the dialog without making any changes to the food prescription.

### *L.3.2.4 Data Map*

All changes to a food prescription are saved when the user presses the OK button on the Food Prescription dialog. Please refer to section L.2.2.7 Food Prescription Data Map for information regarding the manner in which this information is stored in the database.

## L.4 Add Food Item

The Add Food Item Dialog allows the user to add a food item to a food prescription. It is invoked when the user selects the Add Food Item button on the Food Prescription Entry dialog.

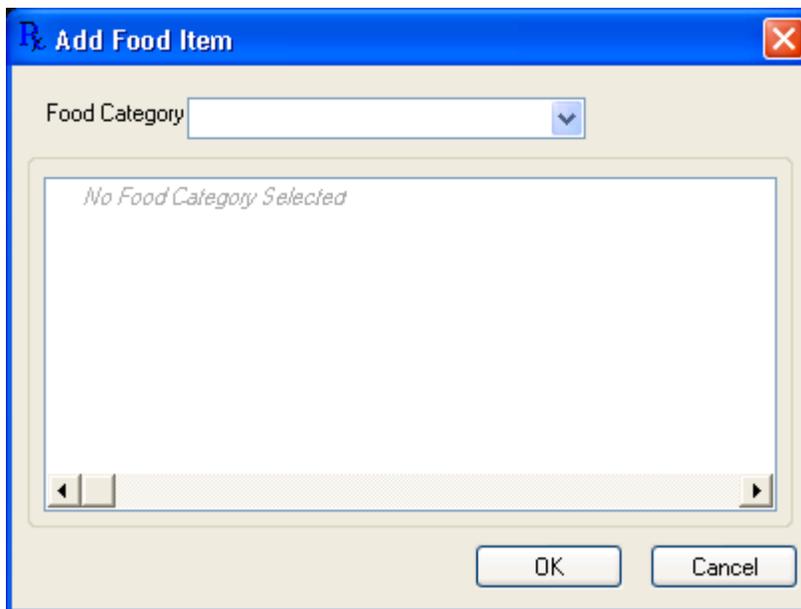


Figure 5 - Add Food Item Dialog

### L.4.1 Controls

This section describes the behavior of the controls on the Add Food Item Dialog.

#### L.4.1.1 Food Category Dropdown

This control allows the user to select the food category of the item to be added to the food prescription. The Dropdown will be enabled when the Add Food Item Dialog is active. It will display a list of food categories valid for the WIC Category of the participant. These food categories are defined by your state agency.

Upon selection of a food category, the system will update the contents of the Food Item Display tree view.

The list of food categories is populated by selecting a distinct list of base food categories referenced in the FoodItemQty table based on the WIC category and age category of the participant.

#### L.4.1.2 Food Item Display Tree View

This control allows the user to select the food item to be added to the current food prescription. The tree view will be enabled when the Add Food Item Dialog is active. It will consist of the following hierarchical structure:

```
Food Sub-categories Root
|
|_ Food Sub-category Node
   |
   |__Food Item Node
   |__Food Item Node
```

The data values on the tree view will be read-only.

#### *L.4.1.3 Food Sub-Category Tree View Node*

This node of the Food Item Display tree view allows the user to view the sub-categories of the food category selected in the Food Category Dropdown. The node will consist of an appropriate icon and text in the format of {food sub-category description}. All food sub-category nodes will be collapsed.

#### *L.4.1.4 Food Item Tree View Node*

This node of the Food Item Display tree view allows the user to select a food item for addition to the current food prescription. The node will consist of an appropriate icon and text in the format of {description of food item}.

#### *L.4.1.5 OK Button*

The OK button will be enabled when the Add Food Item Dialog is active. (See Edits and Saving the Data in the Processing section below). Characteristics for the OK button are defined in *Consistencies*.

#### *L.4.1.6 Cancel Button*

The control will be enabled when the Add Food Item Dialog is active. Characteristics for the Cancel button are defined in *Consistencies*.

### **L.4.2 Processes**

This section describes the processes (navigation) that take place as a result of the actions taken on the Add Food Item Dialog.

#### *L.4.2.1 Initializing the Interface*

Upon initial display of the dialog:

- The title bar text will be set to “Add Food Item”
- The Food Category dropdown will be blank.
- Food Item Display tree view will be blank.

#### L.4.2.2 Saving the Selected Food Item

Pressing the OK Button performs the following edits:

- If a food category has not been selected, the system will invoke a standard error message with the text “An entry is required in the {control label}”.
- If a food category has been selected but a food item has not been selected, the system will invoke a standard error message with the text “The selection of a food item is required”.
- If the food item selected already exists in the food prescription, the system will invoke a standard error message with the text “The selected food item already exists for the food prescription.”
- If the selected food item is a formula item and the participant is an Infant who is exclusively breastfeeding (Amount of Breastfeeding is Exclusively Breastfed), the system will invoke a standard error message with the text “A formula item cannot be added to the food prescription of an exclusively breastfeeding infant. Please select a different food item.”
- If the selected food item is a formula item and the food prescription for the participant already contains a food item that is not juice or cereal (e.g. eggs, peanut butter/beans, cheese or milk), the system will invoke a standard error message with the text “The present food prescription contains a food item that is not juice or cereal. A formula item cannot be added to the food prescription of the applicant when it contains anything other than juice or cereal. Please select a different item.”
- If the selected food item is an enhanced breastfeeding item (e.g. tuna, carrots) and there is a woman who is not linked to at least one infant born from the pregnancy that is listed as being exclusively breastfed, the system will invoke a standard error message with the text “Enhanced breastfeeding food items can only be added to the food prescription of a woman with an exclusively breastfeeding infant. Please select a different food item.”

If no errors or warnings are encountered while performing the edits listed above, the system will then inspect the selected food item to determine if it is a special prescription item the system will invoke the [Special Prescription Item dialog](#) in order to collect the additional information required when adding a special prescription item to the food prescription. If the user does not provide the additional information (i.e. the user cancels the aforementioned dialog) the selected food item will not be added to the prescription, a standard error message stating “Special prescription item information has not been provided. Operation cancelled. Please select another item to continue.” will be displayed, and the OK processing will be halted, returning the user to the dialog to make another selection.

Once the above steps have been successfully completed the system will dismiss the dialog and add the food item to prescription accordingly. While adding the food item to the prescription, the quantity of the food item will be set using the initial quantity defined for the item based on the WIC Category and Age Category of the participant.

#### *L.4.2.3 Data Map*

All changes to a food prescription are saved when the user presses the OK button on the Food Prescription dialog. Please refer to section L.2.2.7 Food Prescription Data Map for information regarding the manner in which this information is stored in the database.

## L.5 Special Prescription Item

The Special Prescription Item Dialog allows the user to add special prescription information about a food item. It is invoked when the user presses the OK button on the Add Food Item dialog and the selected item is considered to be a special prescription item.



Figure 6 - Special Prescription Item Dialog

### L.5.1 Controls

This section describes the behavior of the controls on the Special Prescription Item Dialog.

#### L.5.1.1 Start Date Calendar control

This control allows the user to enter the starting prescription date for the food item selected in the Food Item Display tree view on the Add Food Item Dialog. The masked edit box will be enabled when the Special Prescription Item Dialog is active. The control will accept any input. When the control loses focus (i.e. the user tabs to, or clicks on another control) the control will attempt to validate the string typed into the display area of the control. If the string can not be evaluated as a date then the display area of the control will be cleared. Examples of strings that can be evaluated as dates are; "6/6/05", "06-06-05", "6-6-2005". Examples of strings that do not evaluate as dates are: "14-45-05", "abcd".

### *L.5.1.2 End Date Calendar control*

This control allows the user to enter the ending prescription date for the food item selected in the Food Item Display tree view on the Add Food Item Dialog. The masked edit box will be enabled when the Special Prescription Item Dialog is active. The control will accept any input. When the control loses focus (i.e. the user tabs to, or clicks on another control) the control will attempt to validate the string typed into the display area of the control. If the string can not be evaluated as a date then the display area of the control will be cleared. Examples of strings that can be evaluated as dates are; "6/6/05", "06-06-05", "6-6-2005". Examples of strings that do not evaluate as dates are: "14-45-05", "abcd".

### *L.5.1.3 Reason List Box*

This control allows the user to select one or more reasons the special formula is being issued to the participant. The list box will be enabled when the Special Prescription Item dialog is enabled.

The list of reasons is selected from the ReferenceDictionary where the category is 'SPECIALRXREASON'.

### *L.5.1.4 Physicians Name Text Box*

This control allows the user to enter a complete or partial last name as the Physicians Name. The text box will be enabled when the Special Prescription Item dialog is enabled. The maximum size of this control will be twenty-five (25) characters. Only characters A-Z, {space}, and the following characters ( ' , - ) are allowed. It will convert all entered characters to upper case.

### *L.5.1.5 Verbal Check Box*

This control allows the user to indicate if the reason for the food item was given verbally. The check box will be enabled when Special Prescription Item dialog is active. It will initially it will be cleared.

### *L.5.1.6 OK Button*

This control allows the user to instruct the system to edit the values of the controls, save the changes, and exit the Special Prescription Item Dialog. The OK button will be enabled when the Special Prescription Item Dialog is active. (See Saving the Special Prescription Information in the Processing section below). Characteristics for the OK button are defined in *Consistencies*.

### *L.5.1.7 Cancel Button*

This control allows the user to discard any changes made to the special prescription information and exit the Special Prescription Item Dialog. The Cancel button will be enabled when the Special Prescription Item Dialog is active. Characteristics for the Cancel button are defined in *Consistencies*.

## L.5.2 Processes

This section describes the processes (navigation) that take place as a result of the actions taken on the Special Prescription Item dialog.

### *L.5.2.1 Initializing the Interface*

Upon initial display of the dialog:

- The title bar text will be set to “Special Prescription Item”.
- The Start Date will default to the current system date.
- The End Date will be blank.

### *L.5.2.2 Edits*

Pressing the OK button will perform the following edits:

- If a start date and end date have not been specified the system will invoke a standard error message with the text “An entry is required for the {control label}”.
- If the start date is less than the current system date, the system will invoke a standard error message with the text, “Start Date must be greater than or equal to today’s date.”
- If the start date is greater than the current certification ending date, the system will invoke a standard error message with the text, “Start Date cannot be greater than the current certification ending date.”
- If the end date is greater than the current certification ending date, the system will invoke a standard error message with the text, “End Date cannot be greater than the current certification ending date.”
- If the start date is greater than the end date, the system will invoke a standard error message with the text, “The Start Date must be equal to or less than the End Date.”
- If the Reason List box does not have at least one reason selected, the system will invoke a standard error message with the message text, “At least one reason must be selected in the Reason.”
- If the Physicians Name is blank, the system will invoke a standard error message with the message text, “An entry is required for the Physicians Name.”

### *L.5.2.3 Saving the Special Prescription Information*

If no errors or warnings are encountered while performing the edits listed above, the system will add the information specified on the dialog to the food item and dismiss the dialog.

#### *L.5.2.4 Data Map*

All changes to a food prescription are saved when the user presses the OK button on the Food Prescription dialog. Please refer to section L.2.2.7 Food Prescription Data Map for information regarding the manner in which this information is stored in the database.

## L.6 Edit Food Item

The Edit Food Item Dialog allows the user to edit a limited amount of information regarding a specified food item. It is invoked when the user selects the Edit Food Item button on the Food Prescription dialog.

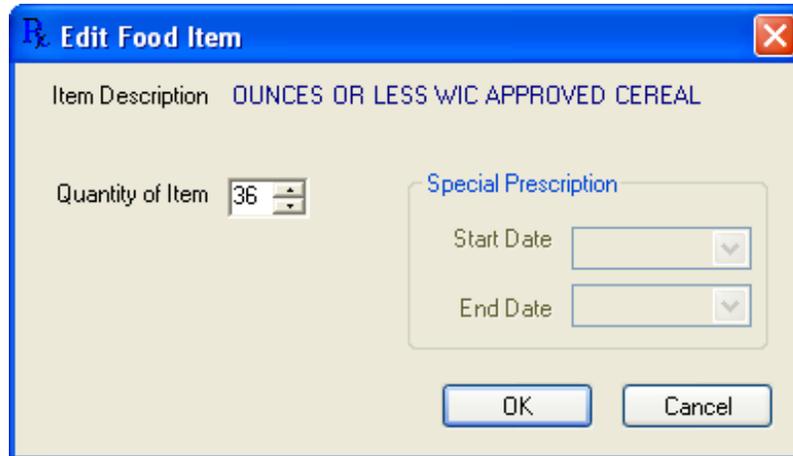


Figure 7 - Edit Food Item Dialog

### L.6.1 Controls

This section describes the behavior of the controls on the Edit Food Item Dialog.

#### L.6.1.1 Item Description Text and Value Label

This control allows the user to view the description of the food item being edited. The value label will display when the Edit Food Item Dialog is active. It will display in the inverse color of the form.

#### L.6.1.2 Quantity of Item Spin Button Control

This control allows the user to enter the quantity of the food item displayed in the Item Description value label if applicable. The control will be enabled if the food item displayed in the Item Description value label allows the quantity to be modified. The value specified must be a positive whole number. The mask of this box will be “##”. Selection of the increment or decrement buttons of the spin control will increase or decrease the value by one (1). The maximum value of the spin button control will be set to the maximum amount allowed based on the participants WIC category and age category.

### *L.6.1.3 Special Prescription Start Date Date Control*

This control allows the user to enter the starting prescription date for the food item displayed in the Item Description value label. The control will accept any input. When the control loses focus (i.e. the user tabs to, or clicks on another control) the control will attempt to validate the string typed into the display area of the control. If the string can not be evaluated as a date then the display area of the control will be cleared. Examples of strings that can be evaluated as dates are; “6/6/05”, “06-06-05”, “6-6-2005”. Examples of strings that do not evaluate as dates are: “14-45-05”, “abcd”.

### *L.6.1.4 Special Prescription End Date Date Control*

This control allows the user to enter the ending prescription date for the special formula displayed in the Food Item Description value label. The control will accept any input. When the control loses focus (i.e. the user tabs to, or clicks on another control) the control will attempt to validate the string typed into the display area of the control. If the string can not be evaluated as a date then the display area of the control will be cleared. Examples of strings that can be evaluated as dates are; “6/6/05”, “06-06-05”, “6-6-2005”. Examples of strings that do not evaluate as dates are: “14-45-05”, “abcd”.

### *L.6.1.5 OK Button*

This control allows the user to instruct the system to edit the values of the controls, save the changes, and exit the Edit Food Item Dialog. The OK button will be enabled when the Edit Food Item Dialog is active. (See Saving Food Item Changes in the Processing section below). Characteristics for the OK button are defined in *Consistencies*.

### *L.6.1.6 Cancel Button*

This control allows the user to discard any changes made to the food item and exit the Edit Food Item Dialog. The Cancel button will be enabled when the Edit Food Item Dialog is active. Characteristics for the Cancel button are defined in *Consistencies*.

## **L.6.2 Processes**

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

### *L.6.2.1 Initializing the Interface*

Upon initial display of the dialog:

- The title bar text will be set to “Edit Food Item”
- The Item Description value label will display the description of the item food item being edited.

- The Quantity of Item value will display the quantity of the food item on the prescription.
- If the food item is not a special prescription item the start date and end date controls will be emptied and disabled.
- If the food item is a special prescription item the start date and end date controls will be enabled and valued with the start and end dates as of the food item on the prescription.

#### *L.6.2.2 Saving Changes to the Food Item*

Pressing the OK button will perform the following edits:

- If the quantity is not greater than 0, the system will invoke a standard error message with the text “An entry is required for the {control label}”.
- The value of the Quantity masked edit box must not exceed the maximums specified for the WIC category and age category of the participant for the food item. If the value entered exceeds the maximum the system will invoke a standard error message with the text, ‘The item quantity cannot exceed the maximum value of n.’ where n is the appropriate maximum value as described above. (Note that the maximum value is stored in either the MaximumFoodRxQty (MaximumFoodRxQtyEnhanced if the item is part of an enhanced food prescription) attribute of the FoodRxQty table.
- If enabled, a start date and end date must be provided. If not, the system will invoke a standard error message with the text “An entry is required for the {control label}”.
- If the start date is less than the current system date, the system will invoke a standard error message with the text, “Start Date must be greater than or equal to today’s date.”
- If the start date is greater than the current certification ending date, the system will invoke a standard error message with the text, “Start Date cannot be greater than the current certification ending date.”
- If the end date is greater than the current certification ending date, the system will invoke a standard error message with the text, “End Date cannot be greater than the current certification ending date.”
- If the start date is greater than the end date, the system will invoke a standard error message with the text, “The Start Date must be equal to or less than the End Date.”

If no errors or warnings are encountered while performing the edits listed above the system will dismiss the dialog and update the food item accordingly using the values indicated on the dialog.

### *L.6.2.3 Data Map*

All changes to a food prescription are saved when the user presses the OK button on the Food Prescription dialog. Please refer to section L.2.2.7 Food Prescription Data Map for information regarding the manner in which this information is stored in the database.