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- Inventory tracking units
- Labels for blood products
- Converting antibody/transfusion history card information
- Donor processing

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Revision List

The following list provides the most current revision number and date for each chapter in this manual.

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Chapter 1

Result Report Route Table, ^nt("rrr")

Overview

The Result Report Route Table, ^nt("rrr"), is used to define the various scenarios and pathways that can be used to print results. The following information can be specified in this table:

- Print one or more reports when results are entered
- Send result notifications to various patient care areas
- Print notices reminding departmental personnel to call results to the ordering physician
- Print result reports when requested from chart review
- Print notices when an event is canceled

Results for a specific procedure can be routed to a specific printer(s) by linking a route defined in this table to the procedure in the Procedure Table, ^t, Result Review Information Screen, Result Report Route field.

Table Attributes

| Table Relationship | Links TO Menu Functions FROM ^nt("rrr"):
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>None</td>
</tr>
</tbody>
</table>

| Links TO other Tables FROM ^nt("rrr"):
| Procedure Table, ^t
| Result Review Information Screen |
The following fields display on the Table Builder Definition Screen:

### Result Report Route Name

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Identifies the name of the result report route.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Free-text</td>
</tr>
<tr>
<td></td>
<td>Greater than 40 characters is impractical for display purposes.</td>
</tr>
<tr>
<td></td>
<td>Required</td>
</tr>
<tr>
<td>System Use</td>
<td>Displays this name for selection when defining the Procedure Table, rt, Result Review Information Screen, Result Report Route field.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

### Result Report Route Short Name

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Identifies the result report route name in abbreviated terms.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Free-text</td>
</tr>
<tr>
<td></td>
<td>10 character limit</td>
</tr>
</tbody>
</table>
### Result Report Route Short Name (Continued)

<table>
<thead>
<tr>
<th>System Use</th>
<th>Currently not used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impact of Change</td>
<td>None</td>
</tr>
</tbody>
</table>

### Result Report(s)

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the result report(s) generated when results are filed. Each report can have one or more associated print queues.</th>
</tr>
</thead>
</table>
| Input   | Add/Delete Editor  
|         |   ◆ Displays the following subfields for definition:  
|         |     Result Report  
|         |     Print Queue(s)  
|         | Partial Event Print Criteria |
| System Use | Generates each report and routes the report to the associated print queue(s) when results are filed for a procedure that has this route defined.  
|           | A result report route is defined for a procedure in the Procedure Table, Result Review Information Screen, Result Report Route field. |
| Impact of Change | Edits and additions are effective immediately. |

### Result Report

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the result report that prints the result data.</th>
</tr>
</thead>
</table>
| Input   | Report definition  
|         | Required |
| System Use | Generates this result report when results are filed for a procedure linked to this route, based on how the Partial Event Print Criteria subfield is defined. |
| Impact of Change | Edits and additions are effective immediately. |
### Print Queue(s)

**Purpose**
Defines the print queue(s) to which the result report is routed for printing.

**Input**
Add/Delete Editor
- (D) Terminal Default
- Partial name match
  - Single selection
  - Links from the Print Spooler Queue Table, *apsq

**System Use**
Routes the result report to the print queue defined in this subfield. When multiple print queues are defined, the report is routed to each print queue.

- **(D) Terminal default** – Routes the result report to the default print queue for the terminal where the event is resulted. The default print queue is linked to the printer group defined for the terminal in the Device Table, *ad, Printer Group field. The default print queue is defined for a printer group in the Print Spooler Group Table, *apsg, Default Queue field.

**Impact of Change**
Edits and additions are effective immediately.
Affects previously documented print queues.

### Partial Event Print Criteria

**Purpose**
Defines the conditions that determine whether the result report is generated for an event statused as partial.

**Input**
- (A) Always
- (S) STAT only
- (C) Critical only
- (B) STAT/Critical
- (N) Never

Defaults to never

**System Use**

- **(A) Always** – Always generates the result report when the event is statused as partial.
- **(S) STAT only** – Generates the result report when the event is statused as partial and the procedure was ordered with a STAT priority.
- **(C) Critical only** – Generates the result report when the event is statused as partial and the result contains a critical value.
- **(B) STAT/critical** – Generates the result report when the event is statused as partial AND the procedure was ordered with STAT priority OR the result contains a critical value.
Partial Event Print Criteria (Continued)

(N) Never – Indicates the result report does not print for a partial event. The System generates the result report only when the event is statused as complete.

Impact of Change
Edits and additions are effective immediately.

Result Notification(s)

Purpose
Defines the report specifications that determine when (i.e., under what conditions) and where a temporary (i.e., not a chart copy) report is generated.

Input
Add/Delete Editor

Displays the following subfields for definition:
Visit Type
Visit Status(es)
Location
Resource(s)
Terminal Location
Specimen Association
Result Report
Print Queue
STAT/Critical Print
Partial Event Print Criteria

System Use
Scans the information contained in each report specification and generates the result notification report based on the conditions defined in each subfield. Each defined condition must be met for the report to print.

Impact of Change
Edits and additions are effective immediately.

Visit Type

Purpose
Defines the visit type that determines whether the result notification report is generated. For example, temporary reports can be printed only for emergency patients (EP); a different notice can be sent for each visit type; or a facility can elect to not send notifications for a specific visit type.

Input
Single selection

Links from the Visit Type Table, *rt("vt")

Required
### Visit Type (Continued)

**System Use**
- Generates the result notification report when the patient's visit type matches the visit type defined in this subfield.

**Impact of Change**
- Edits and additions are effective immediately.

---

### Visit Status(es)

**Purpose**
- Defines the visit status(es) that determines whether the result notification report is generated.

**Input**
- Multiple selection from the following hard-coded options:
  - Active
  - Discharged
  - LOA
  - Interrupted
  - Pre-admit testing
- Defaults to all statuses

**System Use**
- Generates the result notification report when the status of the patient's visit matches a visit status defined in this subfield.

**Impact of Change**
- Edits and additions are effective immediately.

---

### Location

**Purpose**
- Defines the patient location that determines whether the result notification report is generated. This subfield can be used to allow different temporary result reports to print for patients at different locations in the facility.

**Input**
- Visit location name. Lookup names are defined in the Area Table, ^afa, Area or Sub-area level, Look-up Name(s) field.

**EXPD key**
- Single selection of an area
- Links from the Area Table, ^afa, Area level
  - Single selection of a sub-area
  - Links from the Area Table, ^afa, Sub-area level
- (C) Currently selected location
Location (Continued)

- Location name. Lookup names are defined in the Area Table, ^afa, Area or Sub-area level, Look-up Name(s) field.
  - (N) No location
  - (A) All locations

(N) No location
(A) All locations
Defaults to all locations

System Use
Generates the result notification report when the patient's home, transport to, or visit location is included in the area/sub-area defined in this subfield.

- (N) No location – Generates the result notification report only when the patient does not have a home, transport to, or visit location.
- (A) All locations – Generates the result notification report for all locations.
- (C) Currently selected location – Allows the most recent area location to be selected. The System prompts to select a location until a sub-area is selected or this processing option is chosen.

Impact of Change
Edits and additions are effective immediately.

Resource(s)

Purpose
Defines the resource(s) that determines whether the result notification report is generated.

Input
Add/Delete Editor
- Partial name match
  - Multiple selection
    - Links from the Resource Table, ^nt("rc")

Defaults to all resources

System Use
Generates the result notification report when a resource(s) documented for the event matches a resource(s) defined in this subfield. Only one resource documented for the event needs to match a resource defined in this subfield for the report to print.

- All resources – Generates the result notification report regardless of the resource defined for the event.

Impact of Change
Edits and additions are effective immediately.
### Terminal Location

**Purpose**
Defines the terminal location that determines whether the result notification report is generated.

**Input**
Terminal location name. Lookup names are defined in the Area Table, ^afa, Area, Sub-area, or Sub-sub-area level, Look-up Name(s) field.

**EXPD key**
- Single selection of an area
- Links from the Area Table, ^afa, Area level
  - Single selection of a sub-area
    - Links from the Area Table, ^afa, Sub-area level
      - Single selection of a sub-sub-area
      - Links from the Area Table, ^afa, Sub-sub-area level
  - Terminal location name. Lookup names are defined in the Area Table, ^afa, Area, Sub-area, or Sub-sub-area level, Look-up Name(s) field.

(C) Currently selected location
Defaults to all terminal locations

**System Use**
Generates the result notification report when the result location (i.e., the terminal at which the event was resulted) matches a location defined in this subfield. The terminal location is defined in the Device Table, ^ad, Location field.

(C) Currently selected location – Allows the most recent location to be selected. The System prompts to select a location until a sub-sub-area is selected or this processing option is chosen.

All terminal locations – Generates the result notification report regardless of the terminal location where the event is resulted.

**Impact of Change**
Edits and additions are effective immediately.

### Specimen Association

**Purpose**
Defines whether the result notification report is generated for events associated with a specimen. An event is associated with a specimen in the Procedure Table, ^t, Specimen Information Screen, Specimen Collection field.

**Input**
- (A) Always
- (S) Only if associated with a specimen
- (N) Only if not associated with a specimen

Defaults to always
### Specimen Association (Continued)

<table>
<thead>
<tr>
<th>System Use</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>(A) Always</strong></td>
<td>Always generates the result notification report regardless of specimen association.</td>
</tr>
<tr>
<td><strong>(S) Only if associated with a specimen</strong></td>
<td>Generates the result notification report only when a specimen is associated with the event.</td>
</tr>
<tr>
<td><strong>(N) Only if not associated with a specimen</strong></td>
<td>Generates the result notification report only when a specimen is not associated with the event.</td>
</tr>
</tbody>
</table>

| Impact of Change | Edits and additions are effective immediately. |

### Result Report

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the result notification report that prints the result data.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Report definition Required</td>
</tr>
<tr>
<td>System Use</td>
<td>Generates the result notification report when results are filed and all conditions defined for the report specification are met.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

### Print Queue

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the print queue to which the result notification report is routed for printing.</th>
</tr>
</thead>
</table>
| Input   | **(A) Order author**  
|         | **(P) Patient default**  
|         | **(D) Terminal default** |
|         | Partial name match  
|         | - Single selection  
|         | - Links from the Print Spooler Queue Table, ^apsq  
|         | Defaults to terminal default |
| System Use | Routes the result notification report to the print queue defined in this subfield. |
|           | **(A) Order author**  - Routes the report to a dial-up printer with a telephone number defined for the order author in the Employee/Provider Table, ^ae, Facility-specific level, Business Telephone(s) field. |
Print Queue (Continued)

- **(P) Patient default** – Routes the report to the print queue defined for the patient's home location. The default print queue for a location is defined in the Area Table, *afa*, Area level, Print Queue field.

- **(D) Terminal default** – Routes the result report to the default print queue for the terminal. The default print queue is linked to the printer group defined for the terminal in the Device Table, *ad, Printer Group* field. The default print queue is defined for a printer group in the Print Spooler Group Table, *apsg, Default Queue* field.

**Impact of Change**

Edits and additions are effective immediately.

---

**STAT/Critical Print**

**Purpose**

Defines whether results print when the procedure was ordered with a STAT priority or the event contains a critical result.

**Input**

- **(S) STAT only**
- **(C) Critical only**
- **(B) STAT/critical**
- **(A) Always**

Defaults to **always**

**System Use**

- **(S) STAT only** – Generates the result notification report only when the procedure was ordered with a STAT priority.

- **(C) Critical only** – Generates the result notification report only when the event contains a critical result.

- **(B) STAT/Critical** – Generates the result notification report when the procedure was ordered with a STAT priority OR the event contains a critical result.

- **(A) Always** – Indicates the System generates the specified report for all orders, regardless of the STAT or critical marking.

**Impact of Change**

Edits and additions are effective immediately.

---

**Partial Event Print Criteria**

**Purpose**

Defines the conditions that determine whether the result notification report is generated for an event statused as **partial**.

**Input**

- **(A) Always**
- **(S) STAT only**
- **(C) Critical only**
Partial Event Print Criteria (Continued)

- **(B) STAT/Critical**
  - Always generates the result notification report regardless of the event status.
- **(S) STAT only**
  - Generates the result notification report when the event is statused as *partial* and the procedure was ordered with a STAT priority.
- **(C) Critical only**
  - Generates the result notification report when the event is statused as *partial* and the result contains a critical value.
- **(B) STAT/Critical**
  - Generates the result notification report when the event is statused as *partial* AND the procedure was ordered with STAT priority OR the result contains a critical value.
- **(N) Never**
  - Indicates the result notification report does not print for a *partial* event. The System generates the report only when the event is statused as *complete*.

Impact of Change: Edits and additions are effective immediately.

---

Call Notification(s)

**Purpose**: Defines the report(s) printed to remind department personnel to call results to the ordering physician.

**Input**: Add/Delete Editor
- Displays the following subfields for definition:
  - Result Report
  - Print Queue(s)

**System Use**: Generates the call notification report(s) for results ordered with a call priority. A priority is defined as call when the Priority Table, *nt("p")*. CALL Priority? field is defined as yes.

Impact of Change: Edits and additions are effective immediately.

---

Result Report

**Purpose**: Defines the call notification report that prints the result data.

**Input**: Report definition
- Required
### Result Report (Continued)

**System Use**
Generates this call notification report when the results are filed, and the procedure was ordered with a call priority. A priority is defined as call when the `Priority Table, *nt("p")`, `CALL Priority?` field is defined as `yes`.

**Impact of Change**
Edits and additions are effective immediately.

---

### Print Queue(s)

**Purpose**
Defines the print queue(s) to which the call notification report is routed for printing.

**Input**
Add/Delete Editor
- *(D) Terminal Default*
- Partial name match
  - Single selection
  - Links from the `Print Spooler Queue Table, *apsq`

**System Use**
Routes the call notification report to the print queue defined in this subfield. When multiple print queues are defined, the report is routed to each print queue.

*(D) Terminal default* – Routes the result report to the default print queue for the terminal where the event is resulted. The default print queue is linked to the printer group defined for the terminal in the `Device Table, *ad, Printer Group` field. The default print queue is defined for a printer group in the `Print Spooler Group Table, *apsg, Default Queue` field.

**Impact of Change**
Edits and additions are effective immediately.

---

### Result Report Copy(s)

**Purpose**
Defines the result report copy generated when the print processing option is chosen during result entry, result verification, or chart review. Multiple reports can be defined but only one report can be printed.

**Input**
Add/Delete Editor
- Report definition

**System Use**
Generates a copy report when the print processing option is chosen during result entry, result verification, or chart review.

When this field is not defined, the System prints the report defined in the `System Parameter Table, *%z, OrderComm System Parameters` subfile, Facility-specific level, `Chart Review Parameters Screen`, `Chart Review Print Report` or `Chart Review Trend Report` field.
### Result Report Copy(s)

This copy report is routed to the print queue defined for the terminal being used for resulting. The default print queue is linked to the printer group defined for the terminal in the Device Table, ^ad, Printer Group field. The default print queue is defined for a printer group in the Print Spooler Group Table, ^apsg, Default Queue field.

Although multiple reports can be defined in this field, the System generates and prints only one report. This allows several different variations of a copy report to be defined, but only one report is printed based on the terminal print queue. When a copy report is initiated to print, the System compares the form defined for the report and the form defined for the printer.

The System then prints the first report with a matching form. Forms are defined in the Print Spooler Form Table, ^apsf, and linked to a printer in the Print Spooler Printer Table, ^apsp, Form field. A form is defined for a report in the Hierarchical Filing Structure (HFS), Report Definition Screen, Printer Form field.

**Impact of Change**
Edits and additions are effective immediately.

### Canceled Event Report(s)

**Purpose**
Defines the report(s) generated when an event is canceled.

**Input**
Add/Delete Editor
- Displays the following subfields for definition:
  - Result Report
  - Print Queue(s)

**System Use**
Generates this result report(s) when an event for a procedure linked to this result report route is canceled. A result report route is defined for a procedure in the Procedure Table, ^t, Result Review Information Screen, Result Report Route field.

**Impact of Change**
Edits and additions are effective immediately.

### Result Report

**Purpose**
Defines the report generated when an event is canceled.

**Input**
- Report definition
- Required

**System Use**
Generates this canceled event report when an event for a procedure linked to this result report route is canceled.

**Impact of Change**
Edits and additions are effective immediately.
### Print Queue(s)

**Purpose**
Defines the print queue(s) to which the canceled event report is routed for printing.

**Input**
Add/Delete Editor
- **(D) Terminal Default**
- Partial name match
  - Single selection
  - Links from the Print Spooler Queue Table, *apsq

**System Use**
Routes the canceled event report to the print queue defined in this subfield. When multiple print queues are defined, the report is routed to each print queue.

- **(D) Terminal default** – Routes the canceled event report to the default print queue for the terminal where the event is resulted. The default print queue is linked to the printer group defined for the terminal in the Device Table, *ad, Printer Group field. The default print queue is defined for a printer group in the Print Spooler Group Table, *apsg, Default Queue field.

**Impact of Change**
Edits and additions are effective immediately.

### Historical Result Report

**Purpose**
Defines the historical report generated when historical events are created using the Historical Event menu function.

**Input**
Report definition

**System Use**
Generates this historical event report when the event is defined as an historical event in the Historical Event menu function. When a report is defined, the System displays the Historical Result Report Print Queue field for definition.

**Impact of Change**
Edits and additions are effective immediately.

### Historical Result Report Print Queue

**Purpose**
Defines the print queue to which the historical result report is routed for printing.

**Input**
- **(D) Terminal Default**
  - Partial name match
    - Single selection
    - Links from the Print Spooler Queue Table, *apsq
  - Defaults to terminal default queue
## Historical Result Report Print Queue (Continued)

<table>
<thead>
<tr>
<th>System Use</th>
<th>Routes the historical result report to the print queue defined in this subfield.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>(D) Terminal default</strong></td>
<td>Routes the historical event report to the default print queue for the terminal where the event is resulted. The default print queue is linked to the printer group defined for the terminal in the Device Table, ^ad, Printer Group field. The default print queue is defined for a printer group in the Print Spooler Group Table, ^apsg, Default Queue field.</td>
</tr>
</tbody>
</table>

| Impact of Change | Edits and additions are effective immediately. |
Chapter 2

Chart Review Group Table, ^nt("cg")

Overview

The Chart Review Group Table, ^nt("cg"), is used to place divider tabs in facility charts in order to organize and locate information in the manual (paper) chart. These tabs represent sections or groups of information that are usually filed together. Since only one group of divider tabs must suffice for all persons who review the paper chart, there are usually only a few tabs that cover large, general areas.

One of the advantages of an electronic medical record is that any number of these groups can be established for use by various providers, and a different organization of data can be presented to each provider. Also, these groups can be used to allow providers access to information they are authorized to see, without providing access to the entire chart.

QuadraMed Computerized Patient Records (QuadraMed CPR) provides this enhanced functionality through chart review groups, which are the electronic equivalent of divider tabs in the paper chart. Chart review groups are defined in this table and linked to each procedure in the Procedure Table, ^t, Chart Review Information Screen, Chart Review Group(s) field. Chart review groups can then be linked to selections on the Chart Review menu function, Chart Review Selection Screen. When an item is selected, the System displays all the events for the patient that have procedures linked to the chart review group(s) specified in the selection option.

Since chart review group selection can be based on a list of groups, the most efficient use of this table is achieved by creating small discrete groups, rather than large umbrella type groups.

For example, chart review groups for the laboratory can be created at the level of the various groupings of tests (for example, chemistry, hematology, immunology, and so on.). A single selection on a nursing unit chart review selection screen called Laboratory can be linked to all the chart review groups representing laboratory procedures. When the Laboratory option is selected in chart review, all the laboratory procedure events are listed. However, a laboratory chart review selection screen might contain selections for each grouping, with each selection linked to a single laboratory chart review group. This enables nursing to select and view all the laboratory work on a patient, while users in the hematology section of the laboratory can focus on their work.
Data review groups are used to customize the electronic medical record (that is, chart review). Data review groups create groups of patient data that provide access to specific data in the patient’s chart across traditional departmental boundaries. Defining a data review group allows a variety of information (that is, data from different sections of the chart) and display formats (that is, department order profile, trend or graph, and event) to be accessed with a single keystroke. It is a powerful tool for providers who need to see a variety of data as quickly as possible. For example, a provider needs to see all information related to a patient’s respiratory condition. A data review group can be defined that contains all information related to the patient’s respiratory medications, respiratory-related laboratory results, and chest x-rays. The medications can be viewed in a department order profile format, while the laboratory data can be viewed in a trend or graph format, and radiology events can be viewed in event detail format.

Table Attributes

<table>
<thead>
<tr>
<th>Table Relationship</th>
<th>Links TO Menu Functions FROM ^nt(&quot;cg&quot;):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Chart Review</td>
</tr>
<tr>
<td></td>
<td>Department Processor</td>
</tr>
<tr>
<td></td>
<td>Event Cancel/Resolve Reversal</td>
</tr>
<tr>
<td></td>
<td>Event Time Correction</td>
</tr>
<tr>
<td></td>
<td>Health Maintenance Record</td>
</tr>
<tr>
<td></td>
<td>Historical Event</td>
</tr>
<tr>
<td></td>
<td>HMR Event List</td>
</tr>
<tr>
<td></td>
<td>HMR Event Summary</td>
</tr>
<tr>
<td></td>
<td>IV Administration</td>
</tr>
<tr>
<td></td>
<td>Medication/IV Administration</td>
</tr>
<tr>
<td></td>
<td>Resource Schedule Department Processor</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Links TO other Tables FROM ^nt(&quot;cg&quot;):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chart Review Group Data Type Table, ^nt(&quot;cgd&quot;)</td>
</tr>
<tr>
<td>Clinical Outcome Guideline Outcome Table, ^nt(&quot;cogo&quot;)</td>
</tr>
<tr>
<td>Employee/Provider Table, ^ae</td>
</tr>
<tr>
<td>Face Sheet Table, ^nt(&quot;fs&quot;)</td>
</tr>
<tr>
<td>Intensive Care Activity Table, ^nt(&quot;ica&quot;)</td>
</tr>
<tr>
<td>Interface Table, ^at(&quot;i&quot;)</td>
</tr>
<tr>
<td>Personal Procedure Selection Tree Table, ^nt(&quot;psp&quot;)</td>
</tr>
<tr>
<td>Priority List Table, ^rt(&quot;ppl&quot;)</td>
</tr>
<tr>
<td>Priority List Type Table, ^rt(&quot;pplt&quot;)</td>
</tr>
<tr>
<td>Problem List Selection Tree Table, ^nt(&quot;pilt&quot;)</td>
</tr>
<tr>
<td>Procedure Selection Tree Table, ^nt(&quot;ps&quot;)</td>
</tr>
<tr>
<td>Procedure Table, ^t</td>
</tr>
<tr>
<td>Chart Review Information Screen</td>
</tr>
<tr>
<td>Result Review Information Screen</td>
</tr>
</tbody>
</table>
## Facility Specific?
No

## Database Standards
The database standards used to build/validate this table are described in two chapters in the *QuadraMed® CPR Database Standards Table Reference*—Category/Group/Profile and Display Groups.

## Table Organization
The **Chart Review Group Table**, `^nt("cg")`, is a multiple-level table. When this table is accessed, the following Subfile Options display:

- **Chart Review Groups**
  The Chart Review Groups subfile option defines the chart review groups used in the QuadraMed CPR System. When this subfile is accessed, the System displays a list of previously defined Chart Review Groups Options, if any. An option can be selected to edit or the following buttons are available:
  - **(A) Add** – Allows a new option to be added to the list. Clicking **(A) Add** guides the user through a series of fields that collect information needed for each option.
(D) Delete – Allows an option to be removed from the list. Clicking (D) Delete causes the System to prompt for the number(s) of the item(s) to delete. When an item number(s) is entered, the System highlights the entry and asks for verification to delete the item(s). Once verified, the System deletes the item(s) from the list and redisplays the list minus the deleted item(s).

Selection Screens

The Selection Screens subfile option defines the chart review selection screens that can be used to view customized chart review groupings. Chart review selection screens can be defined according to employee and/or department requirements. The Selection Screens subfile is a multiple-level subfile. It is composed of the Selection Screen Name and Selection Screen Definition levels.

When this subfile is accessed, the System displays a list of previously defined Selection Screen Options, if any. An option can be selected to edit or the following buttons are available:

(A) Add – Allows a new option to be added to the list. Clicking (A) Add guides the user through a series of fields that collect information needed for each option.

(C) Copy – Allows a previously defined option to be copied.

(D) Delete – Allows an option to be removed from the list. Clicking (D) Delete causes the System to prompt for the number(s) of the item(s) to delete. When an item number(s) is entered, the System highlights the entry and asks for verification to delete the item(s). Once verified, the System deletes the item(s) from the list and redisplays the list minus the deleted item(s).

Selecting an option to edit displays the information for the Selection Screen Name level. This information can be edited by clicking (E) Edit Current Level. The Selection Screen Definition level can be accessed by clicking (C) Continue To Sub-Level.

When adding a new option, the information for the Selection Screen Name level must be defined and accepted before the information for the Selection Screen Definition level can be accessed.

After the Selection Screen Name level is defined, the System displays the Selection Screen Definition level. After clicking (E) Edit to edit, an option can be selected to edit or the following buttons are available:

(C) Change Column Display – Allows the column display to be changed. Initially, when a selection screen/tree is accessed, the System displays the selection screen/tree in three columns across the screen. This button allows the column display to be changed from one to nine columns. Clicking this button causes the System to prompt for the number of columns to display in the list editor. An integer from 1 to 9 can be entered. The System defaults to the previously entered number. When an integer is entered, the System redisplays the selection screen/tree in the number of specified columns.

(D) Delete – Allows an option to be removed from the list. Clicking this button causes the System to prompt for the number(s) of the item(s) to delete. When an item number(s) is entered, the System highlights the entry and asks for verification to delete the item(s). Once verified, the System deletes the item(s) from the list and redisplays the list minus the deleted item(s).
**Chapter 2  Chart Review Group Table, *txt("cg")***

- **(H) Edit Screen Heading** – Allows the screen heading to be created or edited. The screen heading displays in the upper left-hand corner of the list display in underlined text. Database standards indicate this should always end with the word *Options* (for example, Physician Chart Review Options).

- **(I) Insert** – Allows a new option to be inserted into any position on the list. Clicking this button causes the System to prompt for the location to which the option is to be inserted. The option can be placed before an already existing option or at the end of the list. The System defaults to end. For example, when the new option is inserted before option number 3, the new option becomes option number 3, option number 3 becomes number 4, and so forth. Once a position is established, the System displays the Table Builder Definition Screen.

- **(M) Move** – Allows an option(s) to be moved to any location on the list. Clicking this button causes the System to prompt for an option(s) to move. When an option(s) is selected, the System prompts for the location to which the option(s) is to be moved. The option can be placed before an already existing option or at the end of the list. Once a location is specified, the System inserts the option(s) at the specified location. When multiple options are selected to move, the System places the options in the specified location in the order in which they were selected.

- **(S) Sort** – Allows a specified range of options to be sorted by display text in ASCII sequence. Clicking this button causes the System to prompt for the options to sort or click *(A) All*. The System sorts the selected option(s) in ASCII sequence.

  **NOTE:** When sorting, the System treats headings and subheadings as regular text. When clicking *(A) All*, headings and subheadings will **NOT** be placed above the appropriate text.

- **(V) View Actual Display** – Allows the selection screen/tree to be viewed in display windows of various sizes. By viewing the selection screen/tree, the display text and option display order can be adjusted to create a list that displays properly on the user side.

  Clicking this option causes the System to prompt for a window size. Once the window size is defined, the System displays the selection screen/tree in the window of the selected size. The maximum window size is 19 lines. Most selection screen/trees display in windows of 10 to 15 lines. The first line of the window always contains the screen heading.

**Data Review Groups**

The Data Review Groups subfile option defines the data review groups used in the QuadraMed CPR System.

When this subfile is accessed, the System prompts for a partial name. After a partial name has been entered, the System displays a list of matching Data Review Group Options, if any.

An option can be selected to edit or the following buttons are available:

- **(A) Add** – Allows a new option to be added to the list. Clicking *(A) Add* guides the user through a series of fields that collect information needed for each option.
| Department Usage          | Cardiology – Cardiology uses the chart review selection screens and data review groups defined in this table to extract information from the patient record pertinent to the interpretation of cardiographic tracings. Chart review selection screens and data review groups can be defined for electrocardiogram technicians to allow them to determine what medication, if any, a patient may be taking that would interfere with cardiographic results.

Laboratory – The laboratory uses the chart review selection screens and data review groups defined in this table to allow laboratory clerks to look up laboratory test results for telephone inquiries.

Chart review selection screens and data review groups can be defined for laboratory technicians, medical technologists, and laboratory assistants to allow them to review previous laboratory studies and other pertinent patient data when analyzing an irregular result.

Chart review selection screens and data review groups can also be defined for pathologists to allow them to review the patient’s record, while interpreting anatomical or clinical pathology studies.

Medical Staff – The medical staff uses the chart review selection screens and data review groups defined in this table to allow physicians to review patient progress and assess the need for further diagnostic workups or therapeutic intervention.

Nursing – Nursing uses the chart review selection screens and data review groups defined in this table to allow nurses to keep current on the patient’s progress and assess patient compliance and tolerance of various therapeutic regimens.

Pharmacy – The pharmacy uses the chart review selection screens and data review groups defined in this table to allow pharmacists to review patient tolerance of drug therapy, analyze the appropriateness of drug therapy, and ensure that proper laboratory and radiographic procedures have been performed, prior to releasing certain medications for use.

Radiology – Radiology uses the chart review selection screens and data review groups defined in this table to allow radiology technicians to review patient allergies, the patient’s history of other radiographic procedures, and other pertinent information in preparation for patient exams.

Chart review selection screens and data review groups can be defined for radiologists to access patient information needed for proper interpretation of radiographic images.

Social Work – Social work uses the chart review selection screens and data review groups defined in this table to determine any special needs the patient may have. |
Table Builder Definition Screen

Chart Review Groups Subfile

The following fields display on the Table Builder Definition Screen for the Chart Review Groups subfile:

---

**Active?**

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines whether the chart review group name displays for selection in menu functions and in other tables.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Yes/No</td>
</tr>
<tr>
<td></td>
<td>Defaults to yes</td>
</tr>
<tr>
<td>System Use</td>
<td>Yes – Indicates the chart review group name is available. The option displays for selection in menu functions and in other tables.</td>
</tr>
<tr>
<td></td>
<td>No – Indicates the chart review group name is inactive. The chart review group name displays in dim text in the table and does not display for selection in menu functions or other tables.</td>
</tr>
</tbody>
</table>

**Impact of Change**

Edits and additions are effective immediately.

---

**Chart Review Group Name**

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Identifies the name of the chart review group.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Free-text</td>
</tr>
<tr>
<td></td>
<td>100 character limit, although greater than 50 is impractical for display purposes. Required</td>
</tr>
</tbody>
</table>

**System Use**

Displays this name for selection in the Chart Review Group Data Type Table, ^nt("cgd"). Chart Review Group(s) field.

Displays this name for selection in the Selection Screens subfile, Selection Screen Definition level, Review Type field, Chart Review Group and Chart Review Group(s) subfields of this table.

Displays this name for selection in the Face Sheet Table, ^nt("fs"). Categories/Data Elements subfile, Data Elements level, Chart Review Group field.

Displays this name for selection in the Intensive Care Activity Table, ^nt("ica"). Chart Review Group(s) field.

Displays this name for selection in the Interface Table, ^at("i"). Misys Connect Query, Transmitter-specific Data field, Procedure Mapping subfield.
Chart Review Group Name (Continued)

Displays this name for selection in the following sub-subfields of the Interface Table, *at("i") , Misys Connect Query, Transmitter-specific Data field, Result Mapping subfield:
- Laboratory Result Mapping
- Microbiology Result Mapping
- Pathology Result Mapping
- Radiology Result Mapping
- Cardiology Result Mapping
- Other Result Mapping
- Immunization Result Mapping
- Exam/MD Notes Mapping
- Consults/Referrals Mapping
- History & Physical Mapping
- Discharge Summary Mapping
- Other Notes Mapping

Displays this name for selection in the Personal Procedure Selection Tree Table, *nt("psp"), Selection Tree Line Definition level, DC Chart Review Group(s) field.

Displays this name for selection in the Priority List Table, *rt("ppl"), Referral Order data element, Dictionary Constants field, Referral Chart Review Group subfield.

Displays this name for selection in the Procedure Selection Tree Table, *nt("ps"), Selection Tree Line Definition level, DC Chart Review Group(s) field.

Displays this name for selection in the Procedure Table, *t, Chart Review Information Screen, Chart Review Group(s) field.

Displays this name for selection in the Procedure Table, *t, Result Review Information Screen, Result Entry Data Review field, Chart Review Group and Chart Review Group(s) subfields.

Displays this name for selection in the System Parameter Table, *%z, Order Comm System Parameters subfile, System-specific level, Miscellaneous Parameters Screen, Problem List Parameters field, Allied Health Prob Chart Rev Group(s) and Medical Prob Chart Review Group(s) subfields.

Displays this name for selection in the Visit Type Table, *rt("vt"), Referral Order data element, Referral Chart Review Group Constants field.

Displays this name for selection in the Department Processor menu function, Patient Specific Definition push parameter, Expand Chart Review Group(s) field.

Displays this name for selection in the Event Cancel/Resolve Reversal menu function, Chart Review Group(s) push parameter.

Displays this name for selection in the Event Time Correction menu function, Chart Review Group(s) push parameter.

Displays this name for selection in the Health Maintenance Record menu function, Add'l Menu Options push parameter, Chart Review Group(s) field.

Displays this name for selection in the Historical Event, HMR Event List, and HMR Event Summary menu functions, Chart Review Group(s) push parameter.

Displays this name for selection in Medication/IV Administration and IV Administration menu functions, Chart Review Group(s) push parameter.
## Chart Review Group Name (Continued)

- **Purpose**: Displays this name for selection in the Resource Schedule Department Processor menu function, Patient Specific Definition push parameter, Expand Chart Review Group(s) field.
  - Displays this name for selection in Web Desktop Application Table, ^at("dtaw"), Chart Search Desktop Application Class, Non-Facility Parameters field, Chart Review Group(s) subfield.
  - Displays this name for selection in the Web Desktop Application Table, ^at("dtaw"), Event Review Desktop Application Class, Non-Facility Parameters field, Chart Review Group(s) subfield.
  - Displays selection screen names.

| Impact of Change | Edits and additions are effective immediately. |

## Interface Code

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines information that can be transmitted to another system. The interface code also defines how the System interprets data received from another system.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input</strong></td>
<td>Displays the screen driver defined for the table in the Interface Code Screen Driver Table, ^atei. When a screen driver is not defined for the table, the input for this field is entered as free-text. The ASCII key can be used to generate non-printable characters.</td>
</tr>
<tr>
<td><strong>System Use</strong></td>
<td>Passes the information defined in this field to another system, such as a financial system, that interacts with the QuadraMed CPR System. Determines how the System interprets data received from another system.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

## Selection Screens Subfile

The following Table Builder Definition Screens display for the Selection Screens subfile:

### Selection Screen Name Level

The following field displays on the Table Builder Definition Screen for the Selection Screens subfile, Selection Screen Name level:

<table>
<thead>
<tr>
<th>Selection Screen Name</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Purpose</strong></td>
</tr>
</tbody>
</table>
Selection Screen Name

<table>
<thead>
<tr>
<th>Input</th>
<th>Free-text</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 character limit, although greater than 50 is impractical for display purposes.</td>
</tr>
<tr>
<td></td>
<td>Required</td>
</tr>
</tbody>
</table>

System Use

Displays this name for selection in the Employee/Provider Table, ^ae, Employee-specific level, Chart Rev Profile Scrn field.

Displays this name for selection in the System Parameter Table, ^%z, Order Comm System Parameters subfile, System-specific level, Miscellaneous Parameters Screen, Prog Mode Chart Review Screen field.

Displays this name for selection when defining the Linked Tree field in the Selection Screens subfile of this table.

Impact of Change

Edits and additions are effective immediately.

Selection Screen Definition Level

The following fields can display on the Table Builder Definition Screen for the Selection Screens subfile, Selection Screen Definition level:

Line Type

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the item or line that creates the information that displays on the chart review selection screen.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>(H) Line Type: Heading</td>
</tr>
<tr>
<td></td>
<td>(S) Subheading</td>
</tr>
<tr>
<td></td>
<td>(I) Interior Option</td>
</tr>
<tr>
<td></td>
<td>(K) Linked Interior Option</td>
</tr>
<tr>
<td></td>
<td>(L) Leaf Option</td>
</tr>
<tr>
<td></td>
<td>Defaults to Leaf Option</td>
</tr>
<tr>
<td></td>
<td>Required</td>
</tr>
</tbody>
</table>
### Line Type

<table>
<thead>
<tr>
<th>System Use</th>
<th><strong>(H)</strong> Line Type: Heading – Allows a heading to display on the chart review selection screen. Headings display centered in dim reverse text and extend the length of the display column. Headings cannot be selected on the user side.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>(S)</strong> Subheading – Allows a subheading to display on the chart review selection screen. Subheadings display centered in dim underlined text in the display column. Subheadings cannot be selected on the user side.</td>
</tr>
<tr>
<td></td>
<td><strong>(I)</strong> Interior Option – Allows an interior option to display on the chart review selection screen. Interior options display in dim text in this table and on the user side. When an interior option is selected, the System displays another list of options. Generally, interior options are used as a category to group common procedures (for example, Laboratory, Radiology, and so on).</td>
</tr>
<tr>
<td></td>
<td><strong>(K)</strong> Linked Interior Option – Allows another chart review selection screen defined in this table to be accessed. Linked interior options display in dim text in this table and on the user side. When a linked interior option is selected, the System displays the selection tree defined in the <strong>Linked Tree</strong> field. Choosing this option causes the <strong>Linked Tree</strong> field to display for definition.</td>
</tr>
<tr>
<td></td>
<td><strong>(L)</strong> Leaf Option – Allows an option to display on the chart review selection screen. Options display in bright text in this table and on the user side. Choosing this option causes the <strong>Review Type</strong> field to display for definition.</td>
</tr>
</tbody>
</table>

| Impact of Change | Edits and additions are effective immediately. |

### Linked Tree

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the selection tree linked to this chart review selection screen. This field allows a commonly used selection screen to be defined once and linked to multiple chart review selection screens. This field displays only when the <strong>Line Type</strong> field is defined as <strong>linked interior option</strong>.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Partial name match</td>
</tr>
<tr>
<td></td>
<td>Single selection</td>
</tr>
<tr>
<td></td>
<td>Links from the Selection Screen Name level of this subfile</td>
</tr>
<tr>
<td>System Use</td>
<td>Displays the linked selection screen when the option is selected from the chart review selection screen. A linked tree option displays in dim text in this table and on the chart review selection screen.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

### Review Type

| Purpose | Defines the chart review parameters that determine the manner in which events display in chart review. This field displays only when the **Line Type** field is defined as **leaf option**. |
### Review Type

**Input**
Displays the following subfields for definition:

- Review Type
- Summary Display Type
- Chart Review Group(s)
- Chart Review Relative Time Range

Defaults to Chart Review Group(s)

**System Use**
Uses the parameters defined in this field to determine the manner in which events display in chart review.

**Impact of Change**
Changes the type of patient data display available in chart review.

Edits and additions are effective immediately.

---

### Review Type

**Purpose**
Defines the type of chart review that displays when this option is selected from the chart review selection screen.

**Input**
Single selection from the following hard-coded options:

- Chart review group(s) (This is the default)
- Graphic display
Review Type (Continued)

- Trend display
- I&O display
- Order display
- Assessment review
- Department profile
- Data review group(s)
- IV order review
- Active problem list
- Medication summary
- Outpatient medication profile
- Procedure(s)
- Medication administration record (not supported)
- IV administration record (not supported)
- Face sheet
- Care plan
- Conditional orders
- Order activity
- Visit history
- Interface query
- Report query
- Multimedia review
- Abstract
- Priority List

System Use  Allows patient data to display in following modes:

Chart review group(s) – Displays patient care events in chronological order. The display is limited to those events whose procedure(s) is linked to a chart review group(s) defined in the Chart Review Group(s) or Chart Review Group subfield of this subfile. A chart review group(s) is linked to a procedure in the Procedure Table, ^t, Chart Review Information Screen, Chart Review Group(s) field. When a chart review group does not contain data to review, that option is unavailable for selection from the Chart Review menu function, Chart Review Selection Screen.

Causes the following additional subfields to display for definition:

- Summary Display Type
- Chart Review Group(s)
- Chart Review Relative Time Range

Graphic display – Displays patient data in graphic format. When a graphic display option does not contain data to review, that option is unavailable for selection from the Chart Review menu function, Chart Review Selection Screen. Causes the Result Storage Option(s) subfield to display for definition. For a complete description of graphing, see the Graphics Review chapter in the QuadraMed® CPR Patient Data Review Function Reference.
Review Type (Continued)

Trend display – Displays patient data in tabular (or cumulative trend) format. When a trend display option does not contain data to review, that option is unavailable for selection from the Chart Review menu function, Chart Review Selection Screen.

Causes the Result Storage Option(s) subfield to display for definition. For a complete description of trending, see the Trend Review chapter in the QuadraMed® CPR Patient Data Review Function Reference.

I&O display – Displays the current state of fluid intake and output.

Causes the following additional subfields to display for definition:
- Initial Display Mode
- Number Of Periods
- Period Start Time(s)

For a complete description of fluid calculations, see the I/O Display chapter in the QuadraMed® CPR Patient Data Review Function Reference.

Order display – Displays a list of all current orders for the patient with access to active/inactive orders.

Causes the following additional subfields to display for definition:
- Order Display Type
- Display Primary Orders Only?
- Display Non-Primary Care Plan Orders?

For a complete description of order review, see the Order Display chapter in the QuadraMed® CPR Patient Data Review Function Reference.

Assessment review – Displays patient data stored in various assessment data elements. The data elements for which data displays are defined in the Assessment Element(s) subfield of this subfile.

Causes the following additional subfields to display for definition:
- Assessment Element(s)
- Assessment Relative Time Range

NOTE: When the Review Type subfield is defined as assessment review, the System displays an asterisk (*) when displaying free-text allergy information in reviewing documented event information from the Chart Review menu function.

For a complete description of Assessment Review, see the Chart Review chapter in the QuadraMed® CPR Patient Data Review Function Reference.

Department profile – Displays a department order profile containing orders for procedures linked to the Kardex Group(s) subfield of this subfile. This review type is used to review a specified set of orders for a patient based on the department responsible for performing the procedure. The department order profile can be accessed as a chart review group or data review group option in the Chart Review menu function.

When the department order profile does not contain data to review, the option is unavailable for selection from the Chart Review menu function, Chart Review Selection Screen.
Review Type (Continued)

Causes the following additional subfields to display for definition:

- Display Products?
- Display First/Last Events?
- Display Order Groups?
- Kardex Group(s)
- Face Sheet Review Screen

For a complete description of department order profiles, see the Department Order Profile chapter in the QuadraMed® CPR Order Processing Function Reference.

**Data review group(s)** – Displays data associated with one or more chart review data review groups for review, in the specified order. The data review groups that display for selection are defined in the Data Review Group(s) subfield of this subfile.

When the data review group does not contain data to review, the option is unavailable for selection from the Chart Review menu function, Chart Review Selection Screen.

Causes the Data Review Group(s) subfield to display for definition.

**IV order review** – Allows access to the IV Order Review menu function to review all intravenous (IV) maintenance events for a specific order.

For more information, see the Order Review chapter in the QuadraMed® CPR Patient Data Review Function Reference.

**Active problem list** – Allows review of problem(s) within specified classification and appropriate security position(s).

When the active problem list does not contain data to review, the option is unavailable for selection from the Chart Review menu function, Chart Review Selection Screen.

Causes the Problem Classification(s) subfield to display for definition.

For a complete description of reviewing a patient’s problems, see the Health Maintenance Record chapter in the QuadraMed® CPR Patient Data Review Function Reference.

**Medication summary** – Allows access to the Medication Summary menu function to review all medication and IV orders for the patient. The provider can view a complete current and historical presentation of medications/IVs ordered, scheduled and administered for a patient. The medication summary can be also accessed as a chart review group or data review group option in the Chart Review menu function.

Causes the following additional subfields to display for definition:

- Kardex Group(s)
- Face Sheet Review Screen
- I&O Definition
- Med Summary Report

**Outpatient medication profile** – Allows access to the Outpatient Medication Profile menu function to view outpatient medication prescriptions for a patient.

When the outpatient medication profile does not contain data to review, the option is unavailable for selection from the Chart Review menu function, Chart Review Selection Screen. Causes the Face Sheet Review Screen subfield to display for definition.
Review Type  (Continued)

**Procedure(s)** – Displays patient care events for a specific procedure(s) in chronological order. The procedure(s) for which events display is defined in the **Procedure(s)** subfield of this subfile. Procedures are defined in the **Procedure Table**, \(^{4\text{t}}\), Procedure Identification Screen.

When the patient does not have any events for the specified procedure(s), the option is unavailable for selection from the **Chart Review** menu function, Chart Review Selection Screen.

Causes the **Procedure(s)** subfield to display for definition.

**Medication administration record** – Currently not supported.

**IV administration record** – Currently not supported.

**Face sheet** – Allows current clinical and demographic information for a patient to be viewed.

Causes the **Face Sheet Screen Sequence** subfield to display for definition.

For a complete description of the face sheet, see the Face Sheet Display chapter in the **QuadraMed\(^{\circledR}\) CPR Patient Data Review Function Reference**.

**Care plan** – Allows a patient’s care plan(s) to be reviewed.

Causes the **Care Planning Categories** subfield to display for definition.

For a complete description of care planning, see the Care Planning chapter in the **QuadraMed\(^{\circledR}\) CPR Care Coordination Function Reference**.

**Conditional orders** – Allows all conditional orders for a patient to be viewed. A conditional order is an order that has a conditional option defined as part of its frequency (for example, start if \(\_\_\_\), stop if \(\_\_\_\) ). The System displays the procedure name, order block display expression, and condition that must be met for the order condition to become true.

For a complete description of reviewing conditional orders, see the Shift Summary chapter in the **QuadraMed\(^{\circledR}\) CPR Patient Data Review Function Reference**.

**Order activity** – Allows all order activity (for example, new orders, change orders) for a specific time period to be viewed.

Causes the **Active Orders Relative Time Range** subfield to display for definition.

**Visit history** – Allows a summary of visits for the patient to be viewed.

For a complete description of the Visit History Screen, see the Patient Identification chapter in the **QuadraMed\(^{\circledR}\) CPR Registration/Visit Function Reference**.

**Interface query** – Allows a foreign system query for patient data to be viewed. The interface query is used to query a foreign system for patient data. Causes the **Query System** subfield to display for definition.

**Report query** – Allows a report to be accessed during chart review.

When the **report query** review option is selected from the **Chart Review** menu function, Chart Review Selection Screen, the System generates a report that was created using the Chart Review Report Query hook. Causes the **Report Type** and **Report** subfields to display for definition.
**Review Type (Continued)**

**Multimedia review** – Allows multimedia results to be reviewed during chart review.

Causes the Result Storage Option(s) subfield to display for definition.

**Abstract** – Allows an abstracting screen sequence that collects information needed to report to governmental and regulatory agencies to be viewed for each visit type during chart review. In order for abstract information to display in the Chart Review menu function, this subfield must be defined with an abstracting selection screen for the patient’s visit type.

Causes the Abstract Screen Sequence subfield to display for definition.

**Priority List** – Allows the Patient Priority List Activity to be accessed during chart review.

Causes the Priority List Type subfield to display for definition. For more information, see the Patient Priority List chapter in the QuadraMed® CPR Registration/Visit Function Reference.

| Impact of Change | Edits and additions are effective immediately. |

**Summary Display Type**

**Purpose**

Defines the manner in which events display when a chart review group option is selected in chart review. This subfield displays only when the Review Type subfield of this subfile is defined as chart review group(s).

**Input**

(D) Chart Review Summary Display Type: Display Summary

(S) Skip Summary

(A) Additional Data

Defaults to Chart Review Summary Display Type: Display Summary

**System Use**

(D) Chart Review Summary Display Type: Display Summary – Displays an overview (that is, summary list) of all events for the selected chart review group(s). Displays the Chart Review Group(s) subfield for definition.

(S) Skip Summary – Bypasses the summary list of events and displays each event in detail. Displays the following additional subfields for definition:

- Chart Review Group(s)
- Event Status(es)

(A) Additional Data – Displays the patient’s free-text diagnosis(s) and SNOMED code(s) beneath the procedure name, event date/time, and status for the single chart review group that can be specified. Displays the Chart Review Group subfield for definition.

**NOTE:** In order for free-text diagnosis and SNOMED code data to display in chart review, each procedure linked to the chart review group defined in the Chart Review Group subfield must have the Result Entry Profile Table, ^nt("rp"), SNOMED II Code or SNOMED III Code data element, Display Additional Data? Constants field defined as yes.

| Impact of Change | Changes the type of patient data display available in chart review. Edits and additions are effective immediately. |
### Chart Review Group(s)

**Purpose**: Defines the chart review group(s) that displays events for the linked procedure(s) in chart review. This subfield displays only when the Summary Display Type subfield of this subfile is defined as display summary or skip summary.

**Input**: Add/Delete Editor
- Partial name match
- Multiple selection

**System Use**: Limits the display of events to the procedures linked to the chart review group(s) defined in this subfield. A chart review group(s) is linked to a procedure in the Procedure Table, Chart Review Information Screen, Chart Review Group(s) field.

**Impact of Change**: Edits and additions are effective immediately.

### Event Status(es)

**Purpose**: Defines the event status(es) that causes events to display in chart review. This subfield displays only when the Summary Display Type subfield of this subfile is defined as skip summary.

**Input**: Multiple selection from the following hard-coded options:
- Waiting for review
- Scheduled
- In progress
- Partial
- Complete
- Cancelled
- Resolved
- No show
- Supplemental

(A) All

Defaults to all

**System Use**: Checks the event status of each event that belongs to the chart review group(s) defined in the Chart Review Group(s) subfield of this subfile, and displays only those event(s) whose status matches the status(es) defined in this subfield.
### Event Status(es) (Continued)

**NOTE:** When there are no events matching the chart review display criteria that have the defined event status(es), the System displays an error message when the chart review selection screen option is selected during chart review.

**(A) All** — Displays all events that belong to the chart review group(s) defined in the Chart Review Group(s) subfield of this subfile.

<table>
<thead>
<tr>
<th>Impact of Change</th>
<th>Edits and additions are effective immediately.</th>
</tr>
</thead>
</table>

### Chart Review Group

- **Purpose**: Defines the chart review group for which the patient’s free-text diagnosis(s) and SNOMED code(s) can display. This subfield displays only when the Summary Display Type subfield of this subfile is defined as additional data.

- **Input**: Partial name match
  - Single selection
  - Links from the Chart Review Groups subfile of this table

- **System Use**: Displays the free-text diagnosis(s) and SNOMED code(s) for the procedure(s) associated with the defined chart review group beneath the procedure name, event date/time, and status.

A chart review group(s) is linked to a procedure in the Procedure Table, Chart Review Information Screen, Chart Review Group(s) field.

**NOTE:** In order for free-text diagnosis and SNOMED code data to display in chart review, each procedure linked to the chart review group defined in the Chart Review Group subfield must have the Result Entry Profile Table, SNOMED II Code or SNOMED III Code data element, Display Additional Data? Constants field defined as yes.

- **Impact of Change**: Edits and additions are effective immediately.

### Chart Review Relative Time Range

- **Purpose**: Defines the time range for which the System displays data. This subfield displays only when the Review Type subfield of this subfile is defined as chart review group(s).

- **Input**: now plus/minus specified time (for example, n-24h)
  - The following time units can be entered:
    - m, min (minutes)
    - h, hr (hours)
  - Defaults to m, min (minutes)
Chart Review Relative Time Range (Continued)

System Use: Uses the time range defined in this field to determine the length of time for which the chart review data displays. For example, if this field is defined as n-24h, the System displays data only for the future and the previous 24 hours when this chart review group is selected.

Impact of Change: Edits and additions are effective immediately.

Result Storage Option(s)

Purpose: Defines the result storage option(s) that determines the data that is graphed or trended when the user chooses to graph or trend in chart review. This subfield also defines the result storage option(s) for multimedia results. This subfield displays only when the Review Type subfield of this subfile is defined as graphic display, trend display, or multimedia review.

Input: Insert/Delete/Move Editor
- Partial name match
- Single selection

System Use: When the Review Type subfield is defined as:

Graph – The System automatically graphs the first three graphable fields in the result or assessment. When more than three graphable fields exist in the event, the System displays the (A) Additional Results button. Result Options can be selected in this field only when the Result Storage Table, *nt(“rs”), Allow On Graphic Display? field is defined as yes.

Trend – Displays the selected items in a tabular (or cumulative trend) format. Result Options can be selected in this field only when the Result Storage Table, *nt(“rs”), Allow On Trend Display? field is defined as yes. Only Trend Result Options for which data has been documented display.

During chart review, clicking Expand causes the System to display a list of options for which the employee has security. Security is defined in the Result Storage Table, *nt(“rs”), Access Security field. When a result option does not have security defined, results can be viewed by anyone with security to access graphing/trend review. Employee security is defined in the Employee/Provider Table, *ae, Facility-specific level, Security Positions field.

Multimedia – Displays multimedia results for the selected item(s). Multimedia results display only when the Result Storage Table, *nt(“rs”), Special Result Type field is defined as multimedia data.

Impact of Change: Edits and additions are effective immediately.
### Initial Display Mode

**Purpose**
Defines the default I&O display time mode. This subfield displays only when the Review Type subfield of this subfile is defined as I&O display.

**Input**
- (P) Period
- (H) Hour
- (D) Day

Defaults to period

**System Use**
- **(P) Period** – Displays the I&O data by period (that is, shift). Displays the (H) Hour and (D) Day buttons when viewing I&O data in chart review.
- **(H) Hour** – Displays the I&O data by hour. Displays the (P) Period and (D) Day buttons when viewing I&O data in chart review.
- **(D) Day** – Displays the I&O data by day. Displays the (P) Period and (H) Hour buttons when viewing I&O data in chart review.

**Impact of Change**
Edits and additions are effective immediately.

### Number Of Periods

**Purpose**
Defines the number of periods (that is, shifts) that display per day when the patient's fluid intake and output displays. This subfield displays only when the Review Type subfield of this subfile is defined as I&O display.

**Input**
Integer. The following numbers can be entered:
- 1
- 2
- 3
- 4
- 6
- 8
- 12
- 24

Defaults to 3

**System Use**
When patient fluid intake and output data is viewed by period, divides the 24-hour day into the number of periods defined in this field. For example, when this field is defined as 24, the System displays the I&O data in hourly increments over a 24 hour day.

**Impact of Change**
Edits and additions are effective immediately.
### Period Start Time(s)

**Purpose**
Defines a start time for each period defined in the **Number Of Periods** subfield. This subfield displays only when the **Review Type** subfield of this subfile is defined as **I&O display**.

**Input**
24-hour time format (for example, 0800)

It is only necessary to enter one period start time. The System automatically calculates the remaining period start times based on the number of periods defined in the **Number Of Periods** subfield.

Entered times must be **on the hour** (for example, 1200 is acceptable but 1230 is not).

Defaults to 0000 0800 1600.

**System Use**
Uses the defined time as the start time and assigns subsequent start times for each period.

For example, when the day is divided into four periods and the start time is defined as 0300, the System assigns start times of 0300, 0900, 1500, and 2100 to the four periods.

Displays one column for each period defined in the **Number Of Periods** subfield when I&O data displays in chart review. Each column represents a time range, beginning with one of the period start times.

**Impact of Change**
Edits and additions are effective immediately.

### Order Display Type

**Purpose**
Defines whether the System displays orders across all visits or only those associated with the current visit during chart review. This subfield displays only when the **Review Type** subfield of this subfile is defined as **order display**.

**Input**

- **(V) Visit**
- **(P) Patient**

Defaults to visit

**System Use**

- **(V) Visit** – Indicates only orders associated with the current visit display during chart review.
- **(P) Patient** – Indicates the System displays all orders associated with the patient across all visits.

**Impact of Change**
Edits and additions are effective immediately.
### Display Primary Orders Only?

**Purpose**
Defines whether only primary orders display in the order list. An order is considered primary when the procedure is defined as a primary procedure or the order generator is defined as a primary orderer.

A procedure is defined as primary when the Procedure Table, \(^t\), Result Review Information Screen, Primary Procedure? field is defined as yes. An order generator is considered a primary orderer when the Employee/Provider Table, \(^ae\), Employee-specific level, Primary Orderer? field is defined as yes, or the menu function being used (for example, Order Entry) has the Order Block Definition push parameter, Allow Free-Text Order Generator? field, Primary Orderer? subfield defined as yes for a free-text order generator.

This subfield displays only when the Review Type subfield of this subfile is defined as order display.

**Input**
Yes/No

Defaults to no

**System Use**
Yes – Indicates only primary orders display in the order list. This does not include care plan orders.

No – Indicates both primary and non-primary orders display in the order list.

**Impact of Change**
Edits and additions are effective immediately.

### Display Non-Primary Care Plan Orders?

**Purpose**
Defines whether care plan orders display in the order list. Care plan orders are created using the Care Planning menu function.

This subfield displays only when the Review Type subfield of this subfile is defined as order display.

**Input**
Yes/No

Defaults to no

**System Use**
Yes – Indicates all care plan orders display in the order list.

No – Indicates care plan orders do not display in the order list.

**Impact of Change**
Edits and additions are effective immediately.
### Assessment Element(s)

**Purpose**
Defines a list of assessment categories and data elements for which patient data displays in chart review. This subfield displays only when the Review Type subfield of this subfile is defined as assessment element(s).

**Input**
Add/Delete Editor
- Single selection of an assessment category
- Links from the Assessment Category/Data Element Table, \(^{nt(“ac”)}\), Assessment Category/Data Element Definitions subfile
  - Single selection of an assessment data element
  - Links from the Assessment Category/Data Element Table, \(^{nt(“ac”)}\), Assessment Category/Data Element Definitions subfile

**NOTE:** Only those data elements defined for the selected assessment category display for selection.

**System Use**
Displays the patient data in the defined assessment data element(s) when the option is selected from the chart review selection screen. Data displays in reverse chronological order according to the date and time the data was entered.

**(E) Review All Assessment Elements** – Displays all assessment data for a defined visit.

**Impact of Change**
Edits and additions are effective immediately.

### Assessment Relative Time Range

**Purpose**
Defines the time range for which the System displays data. This subfield displays only when the Review Type subfield of this subfile is defined as assessment element(s).

**Input**
now plus/minus specified time (for example, n-24h)

The following time units can be entered:
- m, min. (minutes)
- h, hr. (hours)

Defaults to m, min (minutes)

**System Use**
Uses the time range defined in this field to determine the length of time for which the System displays the assessment data. For example, if this field is defined as n-24h, the System displays data only for the previous 24 hours when reviewing assessment data during chart review.

**Impact of Change**
Edits and additions are effective immediately.
### Display Products?

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines whether the product(s) associated with an order displays in the department order profile. This subfield displays only when the <strong>Review Type</strong> subfield of this subfile is defined as department profile.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Yes/No</td>
</tr>
<tr>
<td>Defaults to</td>
<td>yes</td>
</tr>
</tbody>
</table>
| System Use                                                              | **Yes** – Displays the product(s) associated with an order in the department order profile.  
**No** – Does not display the product(s) associated with the order in the department order profile. When products do not display, the number of orders that can display on the screen increases. |
| Impact of Change                                                        | Edits and additions are effective immediately.                                                                                          |

### Display First/Last Events?

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines whether the first event and last resulted event associated with an order display in the department order profile. This subfield displays only when the <strong>Review Type</strong> subfield of this subfile is defined as department profile.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Yes/No</td>
</tr>
<tr>
<td>Defaults to</td>
<td>yes</td>
</tr>
</tbody>
</table>
| System Use                                                              | **Yes** – Displays the first event and last resulted event associated with an order in the department order profile.  
**No** – Does not display the first event and last resulted event associated with an order in the department order profile. |
| Impact of Change                                                        | Edits and additions are effective immediately.                                                                                          |

### Display Order Groups?

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines whether the orders sorted by order groups (for example, Japanese recipes) display within the department order profile. The orders are initially sorted by kardex group and within kardex group, by order group. The group names display with the name identified in the <strong>Order Group Modifier</strong> field. This subfield displays only when the <strong>Review Type</strong> subfield of this subfile is defined as department profile.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Yes/No</td>
</tr>
<tr>
<td>Defaults to</td>
<td>no</td>
</tr>
</tbody>
</table>
### Display Order Groups? (Continued)

<table>
<thead>
<tr>
<th>System Use</th>
<th>Yes – Indicates the orders on the profile display are categorized within the kardex group, based on the order group defined during order entry. Causes the Order Group Modifier subfield to display for definition. No – Indicates orders are not categorized by order group.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

### Order Group Modifier

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the modifier name used for order groups within the department order profile. This subfield displays only when the Display Order Groups? subfield is defined as yes.</th>
</tr>
</thead>
</table>
| Input   | Free-text  
25 character limit  
Defaults to Group |
| System Use | Displays this name as the heading used to separate the orders on the department order profile. |
| Impact of Change | Edits and additions are effective immediately. |

### Kardex Group(s)

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the kardex group(s) that determines the orders that display in the department order profile or medication summary. This subfield displays only when the Review Type subfield of this subfile is defined as department profile, medication summary, medication administration record, or IV administration record.</th>
</tr>
</thead>
</table>
| Input   | Multiple selection  
Links from the Kardex Group File Table, ^nt(“kg”) |
| System Use | Limits the orders that display in the department order profile or medication summary to those procedures associated with the kardex group(s) defined in this subfield. A kardex group is linked to a procedure in the Procedure Table, ^t, Department Processing Screen, Kardex Group field. |
| Impact of Change | Edits and additions are effective immediately. |
### Face Sheet Review Screen

**Purpose**
Defines the mini face sheet screen that displays in the department order profile, medication summary, or outpatient medication profile. This subfield displays only when the **Review Type** subfield of this subfile is defined as *department profile*, *medication summary*, or *outpatient medication profile*.

**Input**
Single selection

Links from the Face Sheet Table, *nt("fs"), Order/Result Review Screens subfile

**System Use**
Displays this screen above the list of orders, medications, or prescriptions in the department order profile, medication summary, or outpatient medication profile.

**Impact of Change**
The number of orders, medications, or prescriptions that display on the screen of the department order profile, medication summary, or outpatient medication profile changes, depending on the size of the face sheet review screen. The face sheet review screen is placed on top of the list of orders, thus, the amount of data that display on screen may vary.

Edits and additions are effective immediately.

### Data Review Group(s)

**Purpose**
Defines the chart review data review group(s) that displays in chart review. This subfield displays only when the **Review Type** subfield of this subfile is defined as *data review group(s)*.

**Input**
Insert/Delete/Move Editor
- Partial name match
- Multiple selection

Links from the Data Review Groups subfile of this table

**NOTE:** When a chart review data review group option has the Data Review Groups subfile, **Review Type** field, **Review Type** subfield defined as *data review group(s)*, that option does not display for selection in this subfield.

**System Use**
Displays the data associated with the chart review data review group(s) defined in this subfield, in the specified sequence, when the option is selected from the chart review selection screen.

When more than one chart review data review group is defined in this subfield, the System displays the (V) Next Review Group button while reviewing data review groups in chart review.

**Impact of Change**
Edits and additions are effective immediately.
**Problem Classification(s)**

**Purpose**
Defines the classifications of problems (for example, urgent, most severe) that display in the Active Problem List review type in chart review.

**Input**
Multiple selection

Links from the Problem List Classification Table, $nt("plc")

**System Use**
Limits the types of problems that display in chart review to only those problems with the specified classification(s) linked in this subfield. If there are no classifications linked to this subfield, the System displays all problems.

**Unclassified** – Allows problems without a defined classification to display.

**Impact of Change**
Edits and additions are effective immediately.

---

**I&O Definition**

**Purpose**
Defines the parameters used when viewing the I/O display in the IVAR. This subfield displays only when the Review Type subfield of this subfile is defined as medication summary.

**Input**
Displays the following sub-subfields for definition:

- Initial Display Mode
- Number Of Periods
- Period Start Time(s)

For a complete description of the above subfields, see page 37 through page 38 of this document.

**System Use**
Uses the parameters defined in this subfield to display the I&O information when the option is selected from the Chart Review menu function, Chart Review Selection Screen.

**Impact of Change**
Edits and additions are effective immediately.

---

**Med Summary Report**

**Purpose**
Defines the medication summary report of active/inactive medication orders that can be printed. This subfield displays only when the Review Type subfield of this subfile is defined as medication summary.

**Input**
Report definition

- This field should be defined with a report created using the Medication Summary Report hook
Med Summary Report (Continued)

- **(S) Search**

**System Use**

Allows the user to print this report by clicking **Print** when using the medication summary review type from chart review.

**(S) Search** – Allows the user to look for a specific medication summary report. Defining the **Med Summary Report** subfield causes the **Med Summary Print Queue** subfield to display for definition.

**Impact of Change**

Edits and additions are effective immediately.

---

**Med Summary Print Queue**

**Purpose**

Defines the print queue to which the medication summary report is routed for printing.

**Input**

Partial name match

- Single selection
- Links from the **Print Spooler Queue Table, ^apsq**

**(D) Terminal Default**

Defaults to *(D) Terminal Default*

**System Use**

Routes the report to the defined print queue.

**(D) Terminal Default** – Indicates the medication summary report is routed to the print queue associated with the terminal being used for chart review. The terminal default print queue is linked to the printer group defined for the terminal in the **Device Table, ^ad, Printer Group** field. The default print queue is defined for a printer group in the **Print Spooler Group Table, ^apsg, Default Queue** field.

**Impact of Change**

Edits and additions are effective immediately.

---

**Procedure(s)**

**Purpose**

Defines the procedure(s) for which events display in chart review. This subfield displays only when the **Review Type** subfield of this subfile is defined as **procedure(s)**.

**Input**

Add/Delete Editor

- Facility-specific
  - Single selection
  - Links from the **Facility Table, ^aff**
### Procedure(s) (Continued)

- Procedure(s)
  - Partial word(s) match
    - Multiple selection
    - Links from the Procedure Table, ^t, Procedure Identification Screen

**System Use**
Displays events for this procedure(s) when the option is selected from the chart review selection screen.

**Impact of Change**
Edits and additions are effective immediately.

---

### Face Sheet Screen Sequence

**Purpose**
Defines the face sheet screen sequence that displays to review face sheet data.
This subfield displays only when the Review Type subfield of this subfile is defined as face sheet.

**Input**
Single selection

- Links from the Face Sheet Table, ^nt("fs"), Screen Sequence Definitions subfile

**System Use**
Displays this face sheet screen sequence when the face sheet option is selected in chart review.

**Impact of Change**
Edits and additions are effective immediately.

---

### Care Planning Categories

**Purpose**
Defines the categories for which care plans display when reviewing care plan data in chart review. This subfield displays only when the Review Type subfield of this subfile is defined as care plan.

**Input**
Facility-specific
- Single selection
- Links from the Facility Table, ^aff

**Care plan(s)**
- Multiple selection
- Links from the Care Planning Table, ^nt("cp")
- (C) Clear
Care Planning Categories  (Continued)

System Use
When more than one care plan category is defined in this subfield, the System displays these categories for selection when the care plan option is selected in chart review.

When only one care plan category is defined in this subfield, the System displays the current active problems associated with the care plan category when the care plan option is selected in chart review.

(C) Clear – Removes all previously defined care plan categories from this subfield.

Impact of Change
Edits and additions are effective immediately.

Active Orders Relative Time Range

Purpose
Defines the time range for which the System displays order activity data. This subfield displays only when the Review Type subfield of this subfile is defined as order activity.

Input
now plus/minus specified time (for example, n-24h)

The following time units can be entered:
◆ m, min (minutes)
◆ h, hr (hours)

Defaults to m, min (minutes)

System Use
Uses the time range defined in this field to determine the length of time for which the System displays order activity data. For example, if this field is defined as n-24h, the System displays data only for the previous 24 hours when reviewing order activity.

Impact of Change
Edits and additions are effective immediately.

Query System

Purpose
Defines the foreign system to be queried for patient data during chart review. This subfield displays only when the Review Type subfield of this subfile is defined as interface query.

Input
Single selection

Links from the Interface Table, ^at("i")

NOTE: Only queries with the Interface Table, ^at("i"), Transmitter-specific Data field, Uses Inter-job Communications subfield defined as yes are selectable from the list.

System Use
Queries the foreign system when reviewing patient data in the Chart Review menu function.

Impact of Change
Edits and additions are effective immediately
### Report Type

**Purpose**
Defines the type of report that displays on the Chart Review Screen. This subfield displays only when the `Review Type` subfield is defined as `report query`.

**Input**
- *(S)* Report Type Of Standard
- *(H)* Html

Defaults to Report Type of Standard

**System Use**
- *(H)* Html – Allows the display of HTML output from URL reports in the HTML Display Window.

**NOTE:** The following requirements must be met in order for users to have the ability to generate an HTML Report:
- The Device Table, `^ad`, Allow Multimedia Edits? field must be defined as `yes` for the terminal capturing the Multimedia data element field.
- The QuadraMed CPR Graphical User Interface (GUI) must be installed.
- The Microsoft Internet Explorer 4.0 or greater must be installed.

In addition, the user must perform the following tasks in order to display the results of related tests on the same chart review screen:
- Create a report using the Chart Review Report Query hook option. The report should be defined with HTML tags (implemented using string literals).
- Print a report, manually, while the report displays in QuadraMed CPR.

**Impact of Change**
Edits and additions are effective immediately.

### Report

**Purpose**
Defines the report that can be accessed during chart review. This subfield displays only when the `Review Type` subfield of this subfile is defined as `report query`.

**Input**
- Report definition
  - This field should be defined with a report created using the Chart Review Report Query hook.

**System Use**
Allows a report to be linked that can be accessed during chart review. The linked report must be defined to return an array (that is, string of data) rather than printed output.

**Impact of Change**
Edits and additions are effective immediately.
### Abstract Screen Sequence

**Purpose**

Defines the abstracting screen sequence used to view data for each visit type. This subfield displays only when the **Review Type** subfield of this subfile is defined as **abstract**.

**Input**

- **Visit Type**
  - Single selection
  - Links from the **Visit Type Table**, ^rt(“vt”)

- **Abstracting Screen**
  - Single selection
  - Links from the **Abstracting Screen Sequence Table**, ^mt(“as”), Abstracting Screen Sequence Definitions subfile

**System Use**

- **Visit Type** – Allows a visit type to be defined.
- **Screen Sequence** – Allows an abstracting screen sequence to be defined for each visit type. Displays the abstracting screen sequence information for each visit type during Chart Review (for example, Length of Stay, Admit Date, ICD-9-CM Codes, CPT-4 Codes).

**Impact of Change**

Edits and additions are effective immediately.

### Priority List Type

**Purpose**

Defines the Patient Priority List Activity to be accessed from chart review. This subfield displays only when the **Review Type** field is defined as **priority list**.

**Input**

- Single selection

- Links from the **Patient Priority List Type Table**, ^rt(“pplt”)

**System Use**

Displays the Patient Priority List Activity when the priority list option is selected in chart review. For more information, see the Patient Priority List chapter in the *QuadraMed® CPR Registration/Visit Function Reference*.

**Impact of Change**

Edits and additions are effective immediately.

### Display Text

**Purpose**

Defines the name of the option that displays when the chart review selection screen is accessed in chart review.

**Input**

- Free-text

Greater than 30 characters is impractical for display purposes.
Display Text (Continued)

System Use      Displays this name on the Chart Review menu function, Chart Review Selection Screen.

This field must be defined in order for text to display on the Chart Review Selection Screen.

Impact of Change Edits and additions are effective immediately.

Data Review Groups Subfile
The following fields display on the Table Builder Definition Screen for the Data Review Groups subfile:

Active?

Purpose                  Defines whether the data review group name displays for selection in menu functions and in other tables.

Input                   Yes/No

Defaults to yes

System Use               Yes – Indicates the data review group name is available. The option displays for selection in menu functions and in other tables.

No – Indicates the data review group name is inactive. The chart review group name displays in dim text in the table and does not display for selection in menu functions or other tables.

Impact of Change Edits and additions are effective immediately.

Data Review Group Name

Purpose                  Identifies the name of the data review group.

Input                   Free-text

100 character limit, although greater than 50 is impractical for display purposes.

Required

System Use               Displays this name for selection in the Chart Review menu function, Data Review Group push parameter.

Displays this name for selection in the Data Review Groups subfile, Review Type field, Data Review Group(s) subfield.
Chapter 2  Chart Review Group Table, "nt("cg")

---

**Data Review Group Name (Continued)**

Displays this name for selection in the Selection Screens subfile, Selection Screen Definition level, Review Type field, Data Review Group(s) subfield.

**NOTE:** When a chart review data review group option has the Data Review Groups subfile, Review Type field, Data Review Group(s) subfield defined as data review group(s), that option does not display for selection in the Selection Screens subfile, Selection Screen Definition level, Review Type field, Data Review Group(s) subfield.

Displays this name for selection in the Clinical Outcome Guideline Outcome Table, "nt("cogo"), Data Review Group field.

Displays this name for selection in the Problem List Selection Tree Table, "nt("plt"), Selection Tree Line Definition level, Problem(s) field, Auto Review subfield.

**Impact of Change**  Edits and additions are effective immediately.

---

**Data Review Group Short Name**

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Identifies the data review group name in abbreviated terms.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Free-text 10 character limit</td>
</tr>
<tr>
<td>System Use</td>
<td>Currently not used</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>None</td>
</tr>
</tbody>
</table>

---

**Access Security**

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the security position(s) that determines the users who can access data within this data review group using a partial name match from the Chart Review menu function, Chart Review Selection Screen.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Single selection</td>
</tr>
<tr>
<td>Links from the Facility Table, &quot;aff&quot;</td>
<td></td>
</tr>
<tr>
<td>♦ Single selection of a security position index</td>
<td></td>
</tr>
<tr>
<td>♦ Links from the Security Position Index Table, &quot;aet(&quot;spi&quot;)</td>
<td></td>
</tr>
<tr>
<td>Multiple selection of security positions</td>
<td></td>
</tr>
<tr>
<td>Links from the Security Position Table, &quot;aet(&quot;sp&quot;)</td>
<td></td>
</tr>
</tbody>
</table>
Access Security (Continued)

System Use  Limits the data review groups that can be accessed in chart review by a partial name match. Only users who have the security defined in this field can access the data review group by a partial name match from the Chart Review menu function, Chart Review Selection Screen. Security is defined for a user in the Employee/Provider Table, Facility-specific level, Security Positions field.

When this field is not defined, the data review group cannot be accessed in chart review using a partial name match.

Impact of Change  Edits and additions are effective immediately.

Review Type

Purpose  Defines the chart review parameters that determine the manner in which events display when chart review is accessed using this data review group.

Input  Displays the following subfields for definition:

- Review Type
- Summary Display Type
- Chart Review Group(s)
- Chart Review Relative Time Range

Defaults to Chart Review Group(s)

For a complete description of the above subfield, see page 28 through page 35 of this document.

System Use  Uses the parameters defined in this field to determine the manner in which events display in chart review.

Impact of Change  Changes the type of patient data display available in chart review.

Edits and additions are effective immediately.

Alias Name(s)

Purpose  Identifies an alternate name(s) for the data review group.

Input  Add/Delete Editor

- Free-text
- Greater than 33 characters is impractical for display purposes.
<table>
<thead>
<tr>
<th>Alias Name(s) (Continued)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>System Use</strong></td>
</tr>
<tr>
<td><strong>Impact of Change</strong></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
Chapter 3

Result Storage Table, ^nt(“rs”)

Overview

The Result Storage Table, ^nt(“rs”), is used to define where data that is to be graphed, trended or analyzed is stored. When results are entered, they are stored with the corresponding event in the patient's on-line chart. These results are also stored in a separate section of the on-line chart, where data is grouped by type and organized chronologically within result storage data elements. When data needs to be graphed, trended or analyzed, the System can rapidly locate the relevant data within the result storage data elements. Result storage options are linked to data elements in the Result Entry Profile Table, ^nt(“rp”) or Assessment Category/Data Element Table, ^nt(“ac”), Result Storage Constants field of the data element.

The display of QuadraMed CPR graphs can be configured in the Desktop Application Table, ^at(“dta”): Desktop Application Class: Graph parameters and linked to a result storage option in this table. The graph parameters can be defined to view graphs as an application or applet during Graphics Review menu function.

Table Attributes

<table>
<thead>
<tr>
<th>Table Relationship</th>
<th>Links TO Menu Functions FROM ^nt(“rs”):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Graphics Review</td>
</tr>
<tr>
<td></td>
<td>Trend Review</td>
</tr>
<tr>
<td>Links TO other Tables FROM ^nt(“rs”):</td>
<td>Assessment Category/Data Element Table, ^nt(“ac”), data elements:</td>
</tr>
<tr>
<td></td>
<td>Choose</td>
</tr>
<tr>
<td></td>
<td>Face Sheet Specific Selection Screen/Tree</td>
</tr>
<tr>
<td></td>
<td>Formatted Entry</td>
</tr>
<tr>
<td></td>
<td>Free Text</td>
</tr>
<tr>
<td></td>
<td>Hard-Coded Select Screen</td>
</tr>
<tr>
<td>Measurement</td>
<td>Multimedia</td>
</tr>
<tr>
<td>----------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>Selection Screen/Tree</td>
<td>Selection Table</td>
</tr>
</tbody>
</table>

- Desktop Application Table, `^at("dta")`: Desktop Application Class: Graph
- Face Sheet Table, `^nt("fs")`. Trend Result data element
- Graph Definition Table, `^nt("g")`
- Procedure Table, `^t`
  - Chart Review Information Screen
  - Result Review Information Screen
- Product Table, `^pt("p")`
- Result Entry Profile Table, `^nt("rp")`, data elements
  - Calculation
  - Choose
  - Face Sheet Specific Selection Screen/Tree
  - Formatted Entry
  - Free Text
  - Hard-Coded Select Screen
  - Measurement
  - Multimedia
  - Numeric
  - Selection Screen/Tree
  - Selection Table

Links FROM other Tables TO `^nt("rs")`:
- Facility Table, `^aff`
- Generic Table Table, `^ntt`
- Reference Range Table, `^nt("ref")`
- Security Position Index Table, `^aet("spi")`
- Security Position Table, `^aet("sp")`

<table>
<thead>
<tr>
<th>Facility Specific?</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table Organization</td>
<td>The Result Storage Table, <code>^nt(&quot;rs&quot;)</code>, is a single-level table. Once this table is accessed, the System prompts for a partial name. After the partial name has been entered, the System displays the list of matching Result Storage Options, if any. The usual Edit, Add, and Delete processing options are available.</td>
</tr>
</tbody>
</table>
Table Builder Definition Screen
The following fields display on the Table Builder Definition Screen.

| Department Usage | Laboratory | The laboratory uses this table as part of its quality control mechanism to detect non-physiological changes in patient values. Delta check warnings prompt the laboratory technicians, medical technologists and lab assistants to verify use of the correct specimen and test the integrity of equipment before accepting a deviant result. The laboratory also uses this table to set up results for cumulative trend reporting. |
| Department Usage | Patient Care Services | Patient care services use the values from this table to provide graphic displays of patient vital parameters (e.g., temperature, pulse, respiration and various pressures) and for trended data displays for use as flowsheets. |
| Department Usage | Pharmacy | Pharmacy uses this table to define trend displays that allow medication dosages to be compared with other clinical values (e.g., Ampicillin dosage vs. Ampicillin level values). |

**Active?**

| Purpose | Defines whether the result storage option displays for selection in other menu functions or tables. |
| Input | Yes/No |
| Defaults to yes |

**System Use**

| Yes | Indicates this option is available. The option in this table displays in other menu functions or tables. |
| No | Indicates this option is inactive. The option in this table does not display for selection in other menu functions or tables. |

**Impact of Change**

Edits and additions are effective immediately.

**Result Name**

<p>| Purpose | Identifies the name of the result storage option. |
| Input | Free-text |
| 100 character limit, although greater than 40 is impractical for display purposes |
| Required |</p>
<table>
<thead>
<tr>
<th>Result Name (Continued)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>System Use</strong> Displays for selection when accessing the following:</td>
</tr>
<tr>
<td>- Assessment Category/Data Element Table, nt(ac), Result Storage Constants field for the following data elements:</td>
</tr>
<tr>
<td>- Choose</td>
</tr>
<tr>
<td>- Face Sheet Specific Selection Screen/Tree</td>
</tr>
<tr>
<td>- Formatted Entry</td>
</tr>
<tr>
<td>- Free Text</td>
</tr>
<tr>
<td>- Hard-Coded Select Screen</td>
</tr>
<tr>
<td>- Measurement</td>
</tr>
<tr>
<td>- Multimedia</td>
</tr>
<tr>
<td>- Numeric</td>
</tr>
<tr>
<td>- Selection Screen/Tree</td>
</tr>
<tr>
<td>- Selection Table</td>
</tr>
<tr>
<td>- Desktop Application Table, at(dta), Desktop Application Class: Graph, Non-Facility Parameters field, Graph Result Storage List subfield</td>
</tr>
<tr>
<td>- Face Sheet Table, nt(fs), Trend Result data element Trend Result field</td>
</tr>
<tr>
<td>- Graph Definition Table, nt(g), Graph Definition Options, Result Storage List field, Result Storage subfield</td>
</tr>
<tr>
<td>- Graphics Review menu function, Graph Result(s) push parameter</td>
</tr>
<tr>
<td>- Procedure Table, t, Chart Review Information Screen, Multimedia Parameters field</td>
</tr>
<tr>
<td>- Procedure Table, t, Chart Review Information Screen, Trend Graph Parameters field</td>
</tr>
<tr>
<td>- Procedure Table, t, Result Review Information Screen, Procedure Trend Result field</td>
</tr>
<tr>
<td>- Product Table, pt(p), Product Definition Screen</td>
</tr>
<tr>
<td>- Result Storage field</td>
</tr>
<tr>
<td>- Premix? field, Additive Product Category(s) subfield, Result Storage sub-subfield</td>
</tr>
<tr>
<td>- Result Entry Profile Table, nt(rp), Result Storage Constants field for the following data elements:</td>
</tr>
<tr>
<td>- Calculation</td>
</tr>
<tr>
<td>- Choose</td>
</tr>
<tr>
<td>- Face Sheet Specific Selection Screen/Tree</td>
</tr>
<tr>
<td>- Formatted Entry</td>
</tr>
<tr>
<td>- Free Text</td>
</tr>
<tr>
<td>- Hard-Coded Select Screen</td>
</tr>
<tr>
<td>- Measurement</td>
</tr>
<tr>
<td>- Multimedia</td>
</tr>
<tr>
<td>- Numeric</td>
</tr>
<tr>
<td>- Selection Screen/Tree</td>
</tr>
<tr>
<td>- Selection Table</td>
</tr>
<tr>
<td>- Trend Review menu function, Trend Result(s) push parameter</td>
</tr>
</tbody>
</table>

**Impact of Change** Edits and additions are effective immediately.
**Result Short Name**

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Identifies the result storage name in abbreviated terms.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Free-text</td>
</tr>
<tr>
<td></td>
<td>10 character limit</td>
</tr>
<tr>
<td>System Use</td>
<td>Currently not used</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>None</td>
</tr>
</tbody>
</table>

**Special Result Type**

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines how the data stored in the result storage data element is interpreted by the System.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>(N) None</td>
</tr>
<tr>
<td></td>
<td>(M) Measurement</td>
</tr>
<tr>
<td></td>
<td>(T) Table</td>
</tr>
<tr>
<td></td>
<td>(D) Dosage</td>
</tr>
<tr>
<td></td>
<td>(O) Multimedia Data</td>
</tr>
<tr>
<td>Defaults to</td>
<td>none</td>
</tr>
</tbody>
</table>

| System Use | (N) None – Causes all stored data to be processed without interpretation. |
|            | (M) Measurement – Causes the stored data to be processed as a measurement type.             |
|            | (T) Table – Causes the stored data to be processed as a table entry.                         |
|            | (D) Dosage – Causes the medication dosage to be displayed as a trend format. When a        |
|            | medication event is auto-completed by the System, the System stores the dosage in the       |
|            | same way that events documented by a user are stored. The result storage option can be      |
|            | linked to a product in the Product Table, "pt{"p"}, Product Definition Screen, Result Storage |
|            | field or Premix? field.                                                                     |
|            | (O) Multimedia Data – Causes the System to identify multimedia result storage definitions.  |
|            | Enables multimedia objects to be viewed in Chart Review and Trend Review menu functions.    |
|            | Displays the Data Comparison Format field for definition. When the Special Result Type field is defined as none, measurement, table, or dosage, the following additional fields display for definition: |
|            |   ◆ Allow On Graphic Display?                                                                |
|            |   ◆ Delta Check Expiration Time                                                              |
Special Result Type (Continued)

- Delta Check Type
- Delta Check Absolute Value
- Delta Check Percentage Value

Impact of Change: Edits and additions are effective immediately.

Allow On Trend Display?

Purpose: Defines whether the data associated with the result storage data element can be displayed in trend format.

Input: Yes/No
Defaults to no

System Use:
- Yes – Allows the data defined for the data element to display in trend format.
- No – Does not allow the data associated with the data element to be displayed in trend format.

Impact of Change: Edits and additions are effective immediately.

Allow On Graphic Display?

Purpose: Defines whether the data associated with the result storage data element can be displayed in graphic format.

Input: Yes/No
Defaults to no

System Use:
- Yes – Allows the data defined for the data element to display in graphic format.
- No – Does not allow the data associated with the data element to be displayed in graphic format.
### Display Unit

**Purpose**
Defines the unit of measure used to interpret the value in the trend or graph display. This field displays for definition only when the Allow On Trend Display? field is defined as yes, and the Special Result Type field is defined as none.

**Input**
Free-text
Greater than 5 characters is impractical for display purposes.

**System Use**
Displays on the y-axis of graphs and in the parameter column in trends.

**Impact of Change**
Edits and additions are effective immediately.

---

### Trend Column Width

**Purpose**
Defines the character limit for data displayed in trend format. This field displays only when the Allow On Trend Display? field is defined as yes.

**Input**
Numeric entry between 1-79
Defaults to 3

**System Use**
Determines the column width for the data in trend review. Should be defined with enough space to display the display unit or dose and strength unit.

**Impact of Change**
Edits and additions are effective immediately.
Affects previously documented data that displays after a change to the trend column width has been made.

---

### Trend Column Decimal Location

**Purpose**
Defines the placement and alignment of decimal points for numbers in a column, in trend display. This field displays for definition only when the Allow On Trend Display? field is defined as yes.

**Input**
Numeric entry between 1 and the number defined in the Trend Column Width field.

(L) Left Justify
Defaults to left justify
<table>
<thead>
<tr>
<th><strong>Trend Column Decimal Location (Continued)</strong></th>
<th></th>
</tr>
</thead>
</table>
| **System Use** | **Numeric entry** – The System aligns all numbers to the decimal point position defined in this field. For example, when a column width of 10 is specified with a decimal position of 7, the System aligns the numbers so 3 of the numbers display to the right of the decimal point as follows:  
  123456.789  
  1234.678  
  1.234  

  **(L) Left Justify** – The System left justifies data in the column and truncates any data that extends to the right of the column as in the example below:  
  123456.789  
  1234.678  
  1.234 |
| **Impact of Change** | **Edits and additions are effective immediately.** |

<table>
<thead>
<tr>
<th><strong>Trend Column Header</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Purpose</strong></td>
<td>Defines the heading that displays at the top of the column in the trend display. This field displays for definition only when the <strong>Allow On Trend Display?</strong> field is defined as <strong>yes.</strong></td>
</tr>
</tbody>
</table>
| **Input** | Free-text  
Limited to the number of characters specified in the **Trend Column Width** field. |
| **System Use** | The System underlines this text and places it, left justified, at the top of the data column. |
| **Impact of Change** | **Edits and additions are effective immediately.** |

<table>
<thead>
<tr>
<th><strong>Choose/Hard-Coded Values</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Purpose</strong></td>
<td>Defines an internal numeric value for each item on a choose or hard-coded selection screen. This field is designed to enable choose and hard-coded selection screen data to be graphed and trended. This field displays for definition only when the <strong>Allow On Trend Display?</strong> field is defined as <strong>yes,</strong> and <strong>Special Result Type</strong> field is defined as <strong>none.</strong></td>
</tr>
</tbody>
</table>
| **Input** | Add/Delete Editor  
  - **Internal value** – Defines the internal number associated with a value on a choose or hard-coded selection screen. For data to display properly, the internal values defined in this field should match the internal value defined in the data element.  
  - **Display text** – Defines the display text associated with the internal value. |
### Choose/Hard-Coded Values (Continued)

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>System Use</strong></td>
<td>Accepts the internal value from a choose or hard-coded selection screen and displays the text associated with the internal value in the trend display.</td>
</tr>
<tr>
<td><strong>Impact of Change</strong></td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

### Measurement Type

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Purpose</strong></td>
<td>Defines the type of measurement that displays. This field displays for definition only when the Allow On Trend Display? field is defined as yes, and Special Result Type field is defined as measurement.</td>
</tr>
</tbody>
</table>
| **Input**          | Single selection from the following hard-coded options:  
  - Length  
  - Mass  
  - Temperature  
  - Time  
  - Volume  
  - Pressure  
  Required  
  System Use Causes the Primary Unit field to display.  
  Defines the type of measurement option that displays for definition in the Primary Unit field. |
| **Impact of Change** | Edits and additions are effective immediately. |
|                    | Editing this field immediately causes the Primary Unit field to change its default measurement type(s). |

### Primary Unit

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Purpose</strong></td>
<td>Defines the primary unit of measure in which the measurement displays. This field displays for definition only when the Measurement Type field is defined.</td>
</tr>
</tbody>
</table>
| **Input**          | Single selection from hard-coded Primary Unit Options (see the Measurement Units by Type Table below).  
  Primary Unit Options are dependent on the measurement type defined in the Measurement Type field. |
|                    | The Measurement Units by Type Table illustrates the units that are associated with each measurement type. The default unit is indicated by an asterisk (*). |
The following table outlines the measurement units by type:

<table>
<thead>
<tr>
<th>MEASUREMENT TYPE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>millimeters*</td>
</tr>
<tr>
<td></td>
<td>centimeters</td>
</tr>
<tr>
<td></td>
<td>meters</td>
</tr>
<tr>
<td></td>
<td>inches</td>
</tr>
<tr>
<td></td>
<td>feet</td>
</tr>
<tr>
<td>Mass</td>
<td>milligrams*</td>
</tr>
<tr>
<td></td>
<td>grams</td>
</tr>
<tr>
<td></td>
<td>kilograms</td>
</tr>
<tr>
<td></td>
<td>ounces</td>
</tr>
<tr>
<td></td>
<td>pounds</td>
</tr>
<tr>
<td></td>
<td>stones</td>
</tr>
<tr>
<td>Temperature</td>
<td>Fahrenheit*</td>
</tr>
<tr>
<td></td>
<td>Celsius</td>
</tr>
<tr>
<td></td>
<td>Kelvin</td>
</tr>
<tr>
<td>Time</td>
<td>seconds*</td>
</tr>
<tr>
<td></td>
<td>minutes</td>
</tr>
<tr>
<td></td>
<td>hours</td>
</tr>
<tr>
<td></td>
<td>days</td>
</tr>
<tr>
<td></td>
<td>milliseconds</td>
</tr>
<tr>
<td>Volume</td>
<td>milliliters*</td>
</tr>
<tr>
<td></td>
<td>liters</td>
</tr>
<tr>
<td></td>
<td>cubic centimeters</td>
</tr>
<tr>
<td></td>
<td>ounces</td>
</tr>
<tr>
<td></td>
<td>pints</td>
</tr>
<tr>
<td></td>
<td>quarts</td>
</tr>
<tr>
<td></td>
<td>gallons</td>
</tr>
<tr>
<td>Pressure</td>
<td>mmHg*</td>
</tr>
<tr>
<td></td>
<td>cmH2O</td>
</tr>
</tbody>
</table>

System Use: Defaults a primary unit that is dependent on the type of measurement defined in the Measurement Type field. Displays the primary unit as a suffix to the data when displaying the data in trend format.

Impact of Change: Edits and additions are effective immediately.
### Table

**Purpose**
Defines the result entry selection table from which values are passed to the result storage data element. This field displays for definition when the Allow On Trend Display? field is defined as yes and Special Result Type field is defined as table.

**Input**
- Partial name
  - Single selection
  - Links from the Generic Table Table, ^ntt

**System Use**
Stores the internal number from the defined selection table in the result storage data element. It then uses this table to determine the text that is associated with the internal number. This text displays during trend review.

**Impact of Change**
Edits and additions are effective immediately.

### Delta Check Expiration Time

**Purpose**
Defines the time interval allocated for performing a delta check during result entry. Delta checks compare a current result to a previous result, within the time range specified in this field, in order to detect non-physiological changes in patient values. When a deviation exceeds the defined limits, the System displays a delta check warning. Limits on deviations are defined in the Delta Check Absolute Value and/or Delta Check Percentage Value fields of this table. This field displays for definition only when the Special Result Type field is defined as none, measurement, table, or dosage.

**Input**
Time expressed as an integer, along with one of the following time units of measure:
- minutes (m, min)
- hours (h, hour)
- days (d, day, days)

Defaults to days

**System Use**
When a result is accepted during result entry, the System compares the new result(s) with the previous result(s) stored in the result storage data element. When the previous result(s) was recorded within the specified time frame, and the new result(s) deviates from the old result(s) by more than the amount specified in the Delta Check Absolute Value and/or Delta Check Percentage Value fields of this table, the System displays a warning with a list of the data items that failed the delta check.

**Impact of Change**
Edits and additions are effective immediately.

When this field is not defined, delta checking is disabled.
Delta Check Type

**Purpose**
Defines the type of delta check the System performs. This field displays when the Special Result Type field is defined as none, measurement, table, or dosage.

**Input**
- (N) Numeric
- (E) Non-Equal

Defaults to numeric

**System Use**
- **(N) Numeric** – The System compares the entered numeric value with the previous value entered within the time range specified in the Delta Check Expiration Time field. Differences in these values that exceed the defined limits cause the System to display a delta check warning. Defining this field as numeric causes the following additional fields to display for definition:
  - Delta Check Absolute Value
  - Delta Check Percentage Value

- **(E) Non-Equal** – The System compares the entered non-numeric value with the previously entered value, regardless of the length of time that has elapsed since the previous value was entered. When the compared values are not identical, the System displays a delta check warning (e.g., this method of delta checking is used to compare a current blood type result with a previous blood type result. Any change in blood type causes the System to display a delta check warning).

**Impact of Change**
Edits and additions are effective immediately.

Delta Check Absolute Value

**Purpose**
Defines the maximum absolute change in the data that can occur without causing a delta check warning. This field displays only when the Delta Check Type field is defined as numeric.

**Input**
Numeric

**System Use**
After performing a delta check, the System displays a warning when the absolute value of the expression \( \text{current value} - \text{last value} \) is greater than the defined delta check absolute value.

**Impact of Change**
Edits and additions are effective immediately.

Delta Check Percentage Value

**Purpose**
Defines the percentage value that represents the maximum deviation from previous values, within the time period defined in the Delta Check Expiration Time field. This field displays only when the Delta Check Type field is defined as numeric.

**Input**
Numeric
Delta Check Percentage Value (Continued)

System Use
After performing a delta check, the System displays a warning when the absolute value of the following expression is greater than the number entered in this field:

\[
\left( \frac{\text{current value} - \text{last value}}{\text{last value}} \right) \times 100
\]

Impact of Change
Edits and additions are effective immediately.

Reference Range Option

Purpose
Defines the reference/critical range to be used for this result storage option.

Input
Partial name
- Single selection
- Links from the Reference Range Table, \(^{nt("ref")}\)

(C) Customize
Defaults to customized

System Use
Allows the System to select a reference/critical range defined within an effective date/time.

(C) Customize – Allows the reference and critical ranges to be defined in the result profile Constants fields. Defining this field as customized causes the Display Range(s) field to display for definition. The System uses the reference range defined in the Display Range(s) field in the graphical display. A reference range is indicated on a graph as broken lines.

NOTE: For the Result Entry Profile Table, \(^{nt("rp")}\), data elements that contain the User Specified Reference Range Constants field, defining this field as yes, suppresses the display of the Reference Range Option and Reference Range Text Constants fields.

Impact of Change
Edits and additions are effective immediately.

Display Range(s)

Purpose
Defines the explanatory text associated with a result storage field. This field displays only when the Reference Range Option field is defined as customized.

Input
Single selection from the following hard-coded options:
- Sex specific
- Age specific
- None
- Both
Display Range(s) (Continued)

When sex specific is selected:
- Single selection from the following hard-coded options:
  - Male
  - Female
(C) Copy
  - Lower Limit
    - Low range floating point
  - Higher Limit
    - High range floating point
  - Field Display Text
    QuadraMed CPR™ word processor
  Maximum input 60 characters per line. Limiting characters per line is necessary to accommodate display without truncation in space restricted areas such as the (R) Ranges display from Trend or Graphics Review.
  Pressing Keep exits the word processor.

When age specific is selected:
- Add/Delete Editor
  - Upper Age Limit
    - Integer
    - Days, months, years
    - (U) Unlimited Age
  Lower Limit
    - Floating point
  Higher Limit
    - Floating point
  Field Display Text
    QuadraMed CPR™ word processor
    Pressing Keep exits the word processor.

When none is selected:
- Lower Limit
  - Low range floating point
- Higher Limit
  - High range floating point
- Field Display Text
  QuadraMed CPR™ word processor
  Pressing Keep exits the word processor.
Display Range(s)  (Continued)

When both is selected:

- Sex
  Single selection from the following hard-coded options:
  - Male
  - Female

Age

- Add/Delete Editor
- Upper Age Limit
  - Integer
  - Days, months, years
- (U) Unlimited Age
- Lower Limit
  - Floating point
- Higher Limit
  - Floating point
- Field Display Text
  QuadraMed CPR™ word processor
  Pressing Keep exits the word processor.

System Use

Allows the reference range to be defined in this result storage field instead of choosing a pre-defined reference range from the Reference Range Table, "nt("ref")".

(C) Copy — Copies all reference range data from one sex to the other when defining sex specific reference data.

Sex specific — Indicates the reference range is sex specific for each sex. The reference range that displays is based on the sex of the patient.

Age specific — Indicates the reference range is specific for different age groups. The reference range that displays is based on the age of the patient.

Each entered age represents the upper limit of the age group for which the reference range is being defined. For example, when a critical/reference range is defined for an age range whose upper limit is 5 years, the range displays for patients 0 to 5 years old. When the next range is defined for an age whose upper limit is 10 years, the range displays for an age range between 6 and 10 years old. When an age range is defined (e.g., 6 years to 10 years), the age range is inclusive (i.e., it includes all patients between the ages of 6 years and 10 years old, as well as 6 year olds and 10 year olds).

(U) Unlimited — Indicates there is no upper age limit for the reference/critical range (i.e., unl).

None — Indicates the reference/critical range is the same for all patients, regardless of sex or age.

Both — Indicates the reference/critical range(s) can be defined for patients based on both age and sex. The reference/critical range that displays is based on the sex and age of the patient.

Upper Age Limit — Determines the upper most age limit that can be considered normal/critical.
### Display Range(s) (Continued)

- **Lower Limit** – Determines the lowest possible number that can be considered normal/critical.
- **Higher Limit** – Determines the highest value that can be considered normal/critical.

**NOTE:** The values defined for the low and high ranges are inclusive (i.e., they include all values within the specified boundaries, as well as the outer ranges).

- **Field Display Text** – Defines an explanatory text associated with the reference range(s). Field display text displays during graph and trend review. The System uses the reference ranges to place horizontal lines that delineate the area of a graph containing normal data. The y position of the x-axis is determined as the midpoint between the high and low reference ranges. When both low range and high range text are specified, values lower than the low range or higher than the high range are abnormal. When only the low range is specified, any value greater than or equal to the low range is considered within the reference range and, therefore, normal. When only the high range is specified, any value less than or equal to the high range is considered to be within the reference range and, therefore, normal.

#### Impact of Change
- Edits and additions are effective immediately.

### Access Security

- **Purpose**
  - Defines the population of users who have access to trends and graphs for a particular result storage data element.

- **Input**
  - Facility Definition
    - Single selection
    - Links from the Facility Table, ^aff
  - Security Definition
    - Single selection
    - Links from the Security Position Index Table, ^aet("spi")
    - (C) Clear
  - Security Position(s)
    - Multiple selection
    - Links from the Security Position Table, ^aet("sp")
    - (C) Clear

- **System Use**
  - Limits the display of the result storage data element to those users for whom access security is defined. When no security positions are defined in this field, the result storage data element has no security, allowing all users access to it.

  **(C) Clear** – Clears all previously selected security position indexes and/or security positions from this field.

- **Impact of Change**
  - Edits and additions are effective immediately.
Data Comparison Format

**Purpose**
Defines how the window is to be configured when displaying the multimedia object(s) during chart or trend multimedia review. This field displays for definition only when the Special Result Type field is defined as multimedia data.

**NOTE:** Allows the initial orientation of a split window, when viewing multimedia objects in Chart Review or Trend Review menu function, to be pre-configured.

**Input**
(V) Vertical
(H) Horizontal

Defaults to vertical

**System Use**
(V) Vertical – Displays the window vertically.
(H) Horizontal – Displays the window horizontally.

**Impact of Change**
Edits and additions are effective immediately.

---

**Alias Name(s)**

**Purpose**
Identifies an alternate name(s) for the result storage data element.

**Input**
Add/Delete Editor
- Free-text
- Greater than 60 characters is impractical for display purposes.

**System Use**
Provides an alternative method for identifying the result storage option(s). The alias name is used as an alternative index to identify the result storage name on both the user side and the builder side. When an alias name(s) is defined the System displays the alias name with the result storage name in parentheses (e.g., Indocin (Indomethacin Rx)).

**Impact of Change**
Edits and additions are effective immediately.
Affects the way in which a result storage name can be identified during standard result processing.
Chapter 4
Problem List Classification Table, \texttt{^nt("plc")}

Overview
The Problem List Classification Table, \texttt{^nt("plc")}, is used to define classifications relating to a patient’s medical and/or allied health problem(s). Problem classifications determine the problems that display to the user and the order in which a primary problem displays on the patient’s problem list. The patient's problem list can be reviewed and processed according to classification. Classifications are linked to problems in the QCPR database and are found in the following areas:

- Clinical Desktop: Problem List application
- Clinical Desktop: Order Entry application, Order Information window, Reason for Orders field
- Health Maintenance Record menu function
- In the field created from the Order Entry Profile Table, \texttt{^nt("op")}, Active Problem(s) data element
- In the field created from the Result Entry Profile Table, \texttt{^nt("rp")}, Active Problem(s) data element
- In the field created from the Assessment Category/Data Element Table, \texttt{^nt("ac")}, Active Problem(s) data element
- In the field created from the Patient Priority List Table, \texttt{^rt("ppl")}, Active Problem(s) data element
- In the field created from the Visit Type Table, \texttt{^rt("vt")}, Diagnosis data element
- Reviewing problems in Chart Review based on the Chart Review Group Table, \texttt{^nt("cg")}, Selection Screens and Data Review Groups subfiles: Active Problem List review type
- Reviewing problems during Result Review based on the Procedure Table, \texttt{^t}, Result Review Information Screen, Result Entry Data Review field: Active Problem List review type
- Web Desktop Application Table, \texttt{^at("dtaw")}, Problem List application class
Security Definition for Problem Classifications

Each classification contains security to further filter the problems that display to the user during problem list processing. The addition of security in the problem classification is used to limit the display and processing of problems to ensure patient confidentiality.

Ability to Display Problems Based on Classifications in Chart Review and Result Review

The Active Problem List review type is used in Chart Review and Result Review to display a list of problems for review. This review type can limit the types of problems that display in Chart Review and Result Review to only those problems with specified classification(s) linked. The user’s security and the security for the classification must match in order to view the problem.
# Table Attributes

<table>
<thead>
<tr>
<th>Table Relationship</th>
<th>Links TO Menu Functions FROM ^nt(&quot;plc&quot;):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>◦ Health Maintenance Record</td>
</tr>
<tr>
<td></td>
<td>◦ Assessment Category/Data Element Table, ^nt(&quot;ac&quot;)</td>
</tr>
<tr>
<td></td>
<td>◦ Chart Review Group Table, ^nt(&quot;cg&quot;)</td>
</tr>
<tr>
<td></td>
<td>◦ Desktop Application Table, ^at(&quot;dta&quot;)</td>
</tr>
<tr>
<td></td>
<td>◦ Interface Table, ^at(&quot;i&quot;)</td>
</tr>
<tr>
<td></td>
<td>◦ Order Entry Profile Table, ^nt(&quot;op&quot;)</td>
</tr>
<tr>
<td></td>
<td>◦ Patient Priority List Table, ^rt(&quot;ppl&quot;)</td>
</tr>
<tr>
<td></td>
<td>◦ Procedure Table, ^t</td>
</tr>
<tr>
<td></td>
<td>◦ Result Review Information Screen</td>
</tr>
<tr>
<td></td>
<td>◦ Result Entry Profile Table, ^nt(&quot;rp&quot;)</td>
</tr>
<tr>
<td></td>
<td>◦ Visit Type Table, ^rt(&quot;vt&quot;)</td>
</tr>
<tr>
<td></td>
<td>◦ Web Desktop Application Table, ^at(&quot;dtaw&quot;)</td>
</tr>
<tr>
<td></td>
<td>Links FROM other Tables TO ^nt(&quot;plc&quot;):</td>
</tr>
<tr>
<td></td>
<td>◦ Facility Table, ^aff</td>
</tr>
<tr>
<td></td>
<td>◦ Security Position Index Table, ^aet(&quot;spi&quot;)</td>
</tr>
<tr>
<td></td>
<td>◦ Security Position Table, ^aet(&quot;sp&quot;)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Facility Specific?</th>
<th>No</th>
</tr>
</thead>
</table>

| Table Organization | The Problem List Classification Table, ^nt("plc"), is a single level table. Once this table is accessed, the System displays a list of previously defined Problem List Classification Options, if any. The usual Edit, Add, and Delete processing options are available. |
The following fields display on the Table Builder Definition Screen:

- **Active?**
  - **Purpose**: Defines whether this classification displays for selection in applications, menu functions, and in other tables.
  - **Input**: Yes/No
    - Defaults to yes
  - **System Use**: Yes – Indicates this classification is active and displays for selection in the above listed applications, menu functions, and other tables.
### Problem List Classification Table, "nt("plc")"

**Active? (Continued)**

No – Indicates the classification is inactive. The classification displays in dim text in this table and problems with this classification DO NOT display for selection in the above-listed applications, menu functions, or other tables.

**NOTE:** Care must be taken when inactivating a problem classification that has been used in a live environment. When a problem has a classification that is inactive (that is, this field is defined as no), that problem does not display in the Problem List, regardless of whether the problem is active or not.

**NOTE:** When a problem has multiple classifications linked to it, only the problems that have classifications that are active (that is, this field defined as yes) display in the Problem List.

<table>
<thead>
<tr>
<th>Impact of Change</th>
<th>Edits and additions are effective immediately.</th>
</tr>
</thead>
</table>

### Problem List Classification Name

**Purpose**
Identifies the name of the problem classification.

**Input**
Free-text
100 character limit, although greater than 50 is impractical for display purposes.
Required

**System Use**
Displays this name in the field created from the Active Problem(s) data element in the following areas:

- Classification(s) field
- Medical Parameters field, Additional Problem List View(s) subfield, Classification(s) sub-subfield
- Problem Information Screen, Classification field
- Problem List Screen, Class column for Additional or All Problem List views

The Active Problem(s) data element is found in the following tables:

- Assessment Category/Data Element Table, "nt("ac")"
- Order Entry Profile Table, "nt("op")"
- Patient Priority List Table, "rt("ppl")"
- Result Entry Profile Table, "nt("rp")"

Displays this name in the following areas:

- Chart Review Group Table, "nt("cg")", Selection Screens and Data Review Groups subfiles: Active Problem List review type, Problem Classification(s) field
- Chart Review, reviewing problems based on the Chart Review Group Table, "nt("cg")", Selection Screens and Data Review Groups subfiles: Active Problem List review type
- Clinical Desktop: Problem List application, Problem List window, Classifications filter and Classification column in most Problem List screens
- Clinical Desktop: Order Entry application, Order Information window, Reason for Orders field

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Problem List Classification Name (Continued)

- **Desktop Application Table**, `^at("dta")`, Problem List application class, Non-Facility Parameters field, Problem Classification(s) subfield
- **Desktop Application Table**, `^at("dta")`, Order Entry application class, Non-Facility Parameters field, Problem Classification(s) subfield
- **Health Maintenance Record** menu function:
  - Class column for Additional or All Problem List views
  - Problem Information Screen, Classification field
  - Medical Parameters field, Additional Problem List View(s) subfield, Classification(s) sub-subfield
- **Visit Type Table**, `^rt("vt")`, Diagnosis data element:
  - Problem List Definition field, Additional Problem List View(s) subfield, Classification(s) sub-subfield
  - Problem Information Screen, Classification field
  - Problem Information Screen, Classification field
  - Problem Information Screen, Classification field
- **Problem List Master Table**, `^nt("plm")`, Problem Definition field, Classification(s) subfield
- **Problem List Selection Tree Table**, `^nt("plt")`, Selection Tree Line Definition level, Default Information field, Classification(s) subfield
- **Procedure Table**, `^t`, Result Review Information Screen, Result Entry Data Review field: Active Problem List review type, Problem Classification(s) field
- **Chart Review**: Result Review, reviewing problems based on Procedure Table, `^t`, Result Review Information Screen, Result Entry Data Review field: Active Problem List review type
- **Web Desktop Application Table**, `^at("dtaw")`, Problem List application class, Non-Facility Parameters field, Problem Classification(s) subfield
- **Web Access**: Web Problem List Display Screen, Classifications filter and Classification column

**Impact of Change**
Edits and additions are effective immediately.

---

Problem List Classification Short Name

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Identifies the problem classification name in abbreviated terms.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Free-text</td>
</tr>
<tr>
<td></td>
<td>10 character limit</td>
</tr>
<tr>
<td></td>
<td>Required</td>
</tr>
<tr>
<td>System Use</td>
<td>Displays this name in the <strong>Health Maintenance Record</strong> menu function, Health Maintenance Record Summary Screen, <strong>Class</strong> column.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>
### Display Order

**Purpose**
Defines the order in which a primary problem with this classification displays on the following:
- **Active Problem(s)** data element, Problem List Screen and All and Additional Problems Screen
- Clinical Desktop: **Problem List** application:
  - Problem List window
  - Problem List drop-down menu, Classifications filter
  - Problem List Edit window, Problems tab, Primary Problem pop-up window and Classifications sub-window
- **Health Maintenance Record** menu function, Health Maintenance Record Summary Screen and All Problems Screen.
- Web Access: **Problem List** application:
  - Problem List Filters window and Problem List Display Screen
  - Problem tab
- **Visit Type Table**, **Diagnosis** data element, Problem List Screen and All and Additional Problems Screen

**Input**
Single selection of a problem list classification before which to display.

(E) End
Defaults to the next display position number.

**System Use**
Displays problems defined as having this classification in the defined order position on menu function, data elements, and application screens listed in the Purpose section.

(E) End – Displays this problem list classification name in the last position in the menu function and applications listed in the Purpose section.

**Impact of Change**
Edits and additions are effective immediately.

### Interface Code

**Purpose**
Defines information that can be transmitted to another system. The interface code also defines how the System interprets data received from another system.

**Input**
Free-text

**System Use**
Passes the information defined in this field to another system that interacts with the QuadraMed CPR System.

Determines how the System interprets data received from another system.

**Impact of Change**
Edits and additions are effective immediately.
### Access Security

#### Purpose
Defines the QCPR security positions that can view/edit problems with this specific problem classification in Misys Connect and Problem List processing.

#### Input
Facility-specific

- Single selection
- Links from the Facility Table, ^aff

For each selected facility:

- Single selection
- Links from the Security Position Index Table, ^aet ("spi")
- Multiple selection
- Links from the Security Position Table, ^aet("sp")

(C) Clear

(C) Clear

#### System Use
Evaluates the securities defined in this field to determine the problems that display during problem list processing using any of the following:

- Clinical Desktop: Problem List application
- Clinical Desktop: Order Entry application, Order Information window, Reason for Orders field
- Health Maintenance menu function
- The field created from the Active Problem(s) data element in the following tables:
  - Order Entry Profile Table, ^nt("op")
  - Result Entry Profile Table, ^nt("rp")
  - Assessment Category/Data Element Table, ^nt("ac")
  - Patient Priority List Table, ^rt("ppl")
- Visit Type Table, ^rt("vt"), Diagnosis data element
- Viewing problems during chart review from options created from the Active Problem List review type in the Chart Review Group Table, ^nt("cg"), Selection Screens and Data Review Groups subfiles
- Viewing problems during result review from options created from the Active Problem List review type in the Procedure Table, ^t, Result Review Information Screen, Result Entry Data Review field

The current user must have the matching security position in order to view problems defined with this classification. When the application, menu function, data elements, or review types do not have matching security, the problem does not display.

When this field is blank, problems with the defined classification can be viewed by all users based on parameters in the Problem List application.

#### Impact of Change
Edits and additions are effective immediately.
Chapter 5

Patient Acuity Table, ^nt("pa")

Overview

The Patient Acuity Table, ^nt("pa"), is used to define all the criteria the QuadraMed CPR System uses in calculating patient-predicted care hours (PCH) and staffing requirements for a particular date and shift. The predicted care hours required of each employee type can be displayed by patient, by location or totaled for an area group.

The QuadraMed CPR acuity process periodically scans the System for patient and acuity-related information (e.g., diagnoses, scheduled procedures, time estimates, multipliers, etc.) and calculates the predicted patient care information.

Acuity Data Calculations

The QuadraMed CPR acuity process calculates predicted acuity data for the following:

- Active inpatients and short stay patients

  The System uses the following mathematical formula to calculate predicted care hour requirements by patient:

  \[
  \sum \text{procedure time standards} \times \text{all other standard patient multiplier(s)} \times \text{all other standard shift multiplier(s)} \times \text{personal fatigue and delay (PFD)} + \left( \frac{\text{shift length}}{24 \text{ hours}} \times \text{other standard patient time(s)} \times \text{PFD} \right) + \left( \frac{\text{other standard shift time(s) for shift being calculated}}{\text{unit census}} \times \text{PFD} \right) + \left( \frac{\text{other standard employee type time(s)}}{\text{number of employees}} \times \text{unit census} \right)
  \]

- Inpatients and short stay patients with a visit status of pending or pre-admit

  The System uses the following mathematical formula to calculate predicted care hour requirements by patient:

  \[
  \text{ICD-9 Diagnosis care hours} \times \text{all other standard patient multiplier(s)} \times \text{all other standard shift multiplier(s)} \times \text{personal fatigue and delay (PFD)} + \left( \frac{\text{shift length}}{24 \text{ hours}} \times \text{other standard patient time(s)} \times \text{PFD} \right) + \left( \frac{\text{other standard shift time(s) for shift being calculated}}{\text{unit census}} \times \text{PFD} \right) + \left( \frac{\text{other standard employee type time(s)}}{\text{number of employees}} \times \text{unit census} \right)
  \]
- Patients who have a dramatic change in condition following a procedure (e.g., cardio-thoracic surgery)

The System uses the following mathematical formula to calculate predicted care hour requirements by patient prior to the scheduled procedure:

\[ \sum \text{procedure time standards} \times \text{all other standard patient multiplier(s)} \times \text{all other standard shift multiplier(s)} \times \text{personal fatigue and delay (PFD)} + \left( \frac{\text{shift length}}{24 \text{ hours}} \times \text{other standard patient time(s)} \times \text{PFD} \right) + \left( \frac{\text{other standard shift time(s) for shift being calculated}}{\text{unit census}} \times \text{PFD} \right) + \left( \frac{\text{other standard employee type time(s) \times number of employees}}{\text{unit census}} \right) \]

For the initial predicted care hour requirements following a procedure with a defined post procedure acuity, the System uses the post procedure acuity time(s) defined in the Procedure Table, Department Processing Screen, Patient Acuity Information field, Post Procedure Acuity and Procedure and Recovery Time subfields. The System then performs the routine mathematical formula defined above.

### Table Attributes

<table>
<thead>
<tr>
<th>Table Relationship</th>
<th>Links TO Menu Functions FROM ^nt(&quot;pa&quot;):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>◆ Patient Acuity Display</td>
</tr>
<tr>
<td></td>
<td>Links TO other Tables FROM ^nt(&quot;pa&quot;):</td>
</tr>
<tr>
<td></td>
<td>◆ None</td>
</tr>
<tr>
<td></td>
<td>Links FROM other Tables TO ^nt(&quot;pa&quot;):</td>
</tr>
<tr>
<td></td>
<td>◆ Area Table, ^afa</td>
</tr>
<tr>
<td></td>
<td>◆ Employee Type Table, ^aet(&quot;et&quot;)</td>
</tr>
<tr>
<td></td>
<td>◆ Face Sheet Table, ^nt(&quot;fs&quot;)</td>
</tr>
<tr>
<td></td>
<td>◆ ICD-9 Diagnosis Codes Table, ^ricd</td>
</tr>
</tbody>
</table>

| Facility Specific? | Yes |

<table>
<thead>
<tr>
<th>Table Organization</th>
<th>The Patient Acuity Table, ^nt(&quot;pa&quot;), is a multiple-level table. It is composed of the following levels:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>◆ General Acuity</td>
</tr>
<tr>
<td></td>
<td>Once this table is accessed, the System displays the General Acuity level. This information can be edited by choosing (E) Edit or the Subfile Options level can be accessed by pressing the ENTER key. When editing the General Acuity level, the following fields display:</td>
</tr>
<tr>
<td></td>
<td>◆ Personal Fatigue and Delay</td>
</tr>
<tr>
<td></td>
<td>◆ Rounding Adjustment</td>
</tr>
<tr>
<td></td>
<td>The information for the General Acuity level must be defined and accepted before the Subfile Options level can be accessed.</td>
</tr>
</tbody>
</table>
Subfile Options

Within the subfile options, the Classification Systems subfile and the Shift Schedules subfile should be defined before the Area Group Definition subfile.

The Subfile Options include the following:

- **Area Group Definitions**
  
  Defines the areas within the facility that have the same shift schedules and classification systems.

  Typically, areas with a homogeneous patient population (e.g., medical, surgical, etc.) have the same shift length, shift start times and classification categories. When this is true, those areas would comprise an area group.

  This is a multiple level subfile. It consists of the following levels: Area Group Definition and Other Standard Options.

  When this subfile is accessed, the System displays a list of previously defined Area Group Options, if any.

  The following processing options display:

  - **Edit**
  - **Add**
  - **Delete**

  Selecting an option to edit displays the information for the Area Group Definition level. This information can be edited by choosing (E) Edit or the Other Standard Options level can be accessed by pressing the ENTER key.

  When adding or editing the Area Group Definition level, the following fields display:

  - **Active?**
  - **Area Group Name**
  - **Area Group Short Name**
  - **Shift Schedule**
  - **Classification System**
  - **Default Admit Acuity**
  - **Areas**

When adding a new option, the information for the Area Group Definition level must be defined and accepted before the information for the Other Standard Options level can be accessed.

After the Area Group Definition level is defined, the System displays a list of previously defined Other Standard Options, if any.

The following processing options display:

- **Edit**
- **Add**
- **Delete**
When adding or editing the Other Standard Options level, the following fields, subfields and sub-subfields can display:

- Active?
- Other Standard Name
- Other Standard Short Name
- Standard Type
- Variable Type
- Face Sheet Data Element
- Other Standard Data
  - Age Cutoff
  - Default Multiplier
  - Face Sheet Specific Values
- Multiplier
- Performed By
  - Shift
  - Multiplier
  - Default Performed By
  - Performed By
- Paid?

- Classification Systems
  Defines the classification categories, including time ranges, associated with each area group.

  This is a multiple level subfile. It consists of the following levels: Classification System Name and Patient Classification Options.

  When this subfile is accessed, the System displays a list of previously defined Classification System Options, if any. The following processing options display:

  - Edit
  - Add
  - Delete

Selecting an option to edit displays the information for the Classification System Name level. This information can be edited by choosing (E) Edit or the Patient Classification Options level can be accessed by pressing the ENTER key. When editing the Classification System Name level, the following fields display:

- Active?
- Classification System Name
- Classification System Short Name
When adding a new option, the information for the Classification System Name level must be defined and accepted before the information for the Patient Classification Options level can be accessed.

After the Classification System Name level is defined, the System displays a list of previously defined Patient Classification Options, if any. The following processing options display:
- Edit
- Add
- Delete

When adding or editing the Patient Classification Options level, the following fields display:
- Classification Name
- Classification Short Name
- Classification Display Name
- Care Work Cutoff
- Diagnosis Based Acuities
  Defines the default predicted care hours by employee type for pre-admit and pending inpatient and short stay visits based on ICD-9 diagnosis codes.
  When this subfile is accessed, the System displays a list of previously defined Currently Defined Diagnosis Based Acuities, if any. The following processing options display:
  - Edit
  - Add
  - Delete

When adding or editing the Diagnosis Based Acuities subfile, the following fields display:
- ICD-9 Diagnosis
- Care Hours
- Shift Schedules
  Defines the shift schedules, including shift length and shift start times associated with each area group.
  This is a multiple level subfile. It consists of the following levels: Shift Schedule Name and Shift Options.
  When this subfile is accessed, the System displays a list of previously defined Shift Schedule Options, if any. The following processing options display:
  - Edit
  - Add
  - Delete
Table Builder Definition Screen

The following Table Builder Definition Screens display:

General Acuity Level

The following fields display on the Table Builder Definition Screen for the General Acuity Level:

<table>
<thead>
<tr>
<th>Department Usage</th>
<th>Nursing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing</td>
<td></td>
</tr>
</tbody>
</table>

Nursing uses this table to determine the parameters for the calculation of predicted care hour requirements.

This calculated acuity data is then displayed by the Patient Acuity Display menu function.
### Personal Fatigue and Delay

**Purpose**
Defines the mathematical value that is used in the acuity calculation for personal fatigue and delay. Personal fatigue and delay includes the following:
- Time delays for elevators, supplies, etc.
- Personal time for trips to the lavatory, personal telephone calls, personal business, etc.
- Time delays caused by the architectural design of the facility (e.g. lengthy hallways that separate supplies from the patient, a nursing station that is removed from the patient's room).

**Input**
Numeric

**System Use**
Uses this numeric value in the acuity calculation. A value of less than 1.0 causes the acuity result to decrease. A value of greater than 1.0 causes the acuity result to increase. For example, to apply a personal fatigue and delay factor of 15% to the acuity calculation, 1.15 must be entered.

**Impact of Change**
Edits and additions are effective immediately.

Does not affect previously calculated acuity data.

---

### Rounding Adjustment

**Purpose**
Defines a rounding adjustment that is used when there is a preference for the display of predicted staff in integers rather than floating points.

**Input**
Numeric

Decimal point less than one

**System Use**
Only applies this value to the calculation of predicted staff requirements when the Patient Acuity Display menu function, Display Non-Paid Time? push parameter is defined as no. This value signifies the portion of one provider's workload that can be absorbed among other members of the staff.

For example, when the rounding adjustment is defined as .4 and the predicted staff requirement is 3.3, the System applies the rounding adjustment and displays the required staff as 3.0. On the other hand, when the predicted staff requirement is 3.41, the System applies the rounding adjustment and displays the required staff as 4.0.

**Impact of Change**
Edits and additions are effective immediately.

Does not affect previously calculated results.
Subfile Options Level
The following subfile options display:

Area Group Definitions Subfile
The following fields display on the Table Builder Definition Screen for the Area Group Definitions subfile:

Area Group Definition Level
The following fields display on the Table Builder Definition Screen for the Area Group Definitions subfile, Area:

<table>
<thead>
<tr>
<th>Area Group Short Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purpose: Identifies the name of the area group in abbreviated terms.</td>
</tr>
<tr>
<td>Input: Free-text</td>
</tr>
<tr>
<td>10 character limit</td>
</tr>
<tr>
<td>Required</td>
</tr>
<tr>
<td>System Use: Currently not used</td>
</tr>
<tr>
<td>Impact of Change: None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Shift Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purpose: Defines the shift schedule (i.e., shift length) for the area group.</td>
</tr>
<tr>
<td>Input: Single selection</td>
</tr>
<tr>
<td>Links from the Shift Schedules subfile of this table</td>
</tr>
<tr>
<td>Required</td>
</tr>
<tr>
<td>System Use: Uses the shift schedule (i.e., shift length) in the acuity calculation to determine the appropriate predicted care hours and the predicted staff requirements for each area, by shift.</td>
</tr>
<tr>
<td>Impact of Change: Edits and additions are effective immediately.</td>
</tr>
<tr>
<td>Does not affect previously calculated acuity data.</td>
</tr>
</tbody>
</table>
## Classification System

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the classification classes/categories for the area group.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Single selection</td>
</tr>
<tr>
<td></td>
<td>Links from the Classification Systems subfile of this table</td>
</tr>
<tr>
<td>System Use</td>
<td>Displays this classification system in the Patient Acuity Display menu function when the Display Classification? push parameter is defined as yes.</td>
</tr>
<tr>
<td></td>
<td>Sorts patients into the appropriate classification category based on their predicted care hour requirements.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
<tr>
<td></td>
<td>Does not affect previously calculated acuity data.</td>
</tr>
</tbody>
</table>

## Default Admit Acuity

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the amount of time, by employee type, that is posted to the unit at the time of admission, when a diagnosis based acuity is not in effect. Diagnosis based acuities are defined in the Diagnosis Based Acuities subfile of this table.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Add/Delete Editor</td>
</tr>
<tr>
<td></td>
<td>◦ Partial name match</td>
</tr>
<tr>
<td></td>
<td>◦ Single selection</td>
</tr>
<tr>
<td></td>
<td>◦ Links from the Employee Type Table, ^aet(&quot;et&quot;)</td>
</tr>
<tr>
<td></td>
<td>◦ Numeric (time per 24 hours)</td>
</tr>
<tr>
<td>System Use</td>
<td>Uses the values defined in this field to determine predicted care hour requirements by employee type, for pre-admit or pending inpatient or short stay visits, when a diagnosis based acuity is not in effect.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
<tr>
<td></td>
<td>Does not affect previously calculated acuity data.</td>
</tr>
</tbody>
</table>

## Areas

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the area(s) included in the area group.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Add/Delete Editor</td>
</tr>
<tr>
<td></td>
<td>◦ Area location look-up name</td>
</tr>
<tr>
<td></td>
<td>◦ Free-text</td>
</tr>
</tbody>
</table>
Areas (Continued)

- **EXPD** key
  
  Single selection

  Links from the Area Table, `^afa`

  Area location look-up name

**System Use**

Totals the predicted care hours, for the areas defined in this field, for display in the Patient Acuity Display menu function.

**Impact of Change**

Edits and additions are effective immediately.

Does not affect previously calculated acuity data.

---

**Other Standard Options Level**

The following fields display on the Table Builder Definition Screen for the Area Group Definitions subfile, Other Standard Options level:

### Other Standard Name

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Identifies the name of the other standard (i.e., Patient Indirect Time, Unit Constant Activities).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Free-text</td>
</tr>
<tr>
<td></td>
<td>Greater than 25 characters is impractical for display purposes.</td>
</tr>
<tr>
<td></td>
<td>Required</td>
</tr>
<tr>
<td>System Use</td>
<td>Displays on the Patient Acuity Display menu function, Patient Acuity Summary Screen.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
<tr>
<td></td>
<td>Does not affect previously calculated acuity data.</td>
</tr>
</tbody>
</table>

### Other Standard Short Name

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Identifies the other standard name in abbreviated terms.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Free-text</td>
</tr>
<tr>
<td></td>
<td>10 character limit</td>
</tr>
<tr>
<td></td>
<td>Required</td>
</tr>
<tr>
<td>System Use</td>
<td>Currently not used</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>None</td>
</tr>
</tbody>
</table>
### Standard Type

**Purpose**
Defines the characteristics of the standard.

**Input**
Single selection from the following hard-coded options:
- Multplier
- Time

**Required**

**System Use**
- **Multiplier** – Indicates the System utilizes this value as a multiplier in the acuity calculation. Displays the **Variable Type** field for definition. Displays patient and shift options for selection in the **Variable Type** field.
- **Time** – Indicates the System utilizes this value as an additive in the acuity calculation. Displays the **Variable Type** field for definition. Displays employee, patient and shift options for selection in the **Variable Type** field.

**Impact of Change**
Edits and additions are effective immediately.

Does not affect previously calculated acuity data.

### Variable Type

**Purpose**
 Defines the characteristics of the variable.

**Input**
Single selection from the following hard-coded options:
- Employee
- Patient
- Shift

**Required**

**System Use**
- **Employee** – Defines employee-related times such as paid breaks, lunch, inservice time, etc. Indicates the time is applied to all employees that are included in the acuity calculation. This field only displays when the **Standard Type** field is defined as time. Displays the following fields for definition:
  - Other Standard Data
  - Paid?

- **Patient** – Defines patient time categories that are not included in direct patient time. Indirect patient time includes patient care conferences, telephone calls related to patient care, significant other support time, etc. Indicates that the time is applied to each patient included in the acuity calculation. Displays the following fields for definition:
  - Face Sheet Data Element
  - Other Standard Data
### Variable Type (Continued)

**Shift** – Defines shift-related time. Shift constant time includes counting narcotics, stocking supplies, transporting specimens to the laboratory, etc. Indicates that the time is applied to the shift and divided among all patients included in the acuity calculation. Displays the Other Standard Data field for definition.

<table>
<thead>
<tr>
<th>Impact of Change</th>
<th>Edits and additions are effective immediately.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Does not affect previously calculated acuity data.</td>
</tr>
</tbody>
</table>

### Face Sheet Data Element

**Purpose**
Defines the face sheet data elements that are utilized in the acuity calculation. This field only displays when the Variable Type field is defined as patient.

**Input**
Single selection of a face sheet category

Links from the Face Sheet Table, ^nt("fs"), Categories/Data Element subfile
- Single selection of a face sheet data element
- Links from the Face Sheet Table, ^nt("fs"), Categories/Data Element subfile

**System Use**
Indicates which face sheet data elements are included in the acuity calculation.

<table>
<thead>
<tr>
<th>Impact of Change</th>
<th>Edits and additions are effective immediately.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Does not affect previously calculated acuity data.</td>
</tr>
</tbody>
</table>

### Other Standard Data

**Purpose**
Defines the amount of time for each other standard that is applied in the acuity calculation.

**Input**
Add/Delete Editor

**System Use**
Displays the following subfields for definition:
- Age Cutoff
- Default Multiplier
- Face Sheet Specific Values
- Shift
- Multiplier
- Default Performed By
- Performed By

Applies the defined time to the acuity calculation.

<table>
<thead>
<tr>
<th>Impact of Change</th>
<th>Edits and additions are effective immediately.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Does not affect previously calculated acuity data.</td>
</tr>
</tbody>
</table>
### Age Cutoff

**Purpose**
Defines the patients to which the time is applied, by age. This subfield only displays when the *Variable Type* field is defined as *patient*.

**Input**
- **Age cutoff**
  - Integer
  - The following age modifiers can be used:
    - d (days)
    - w (weeks)
    - m (months)
    - y (years)
  - When no age modifier is entered, defaults to *years*.
  - *(N)* No age limit

**System Use**
- Applies the appropriate time value to each patient, by age.
  - *(N)* No age limit – Applies the appropriate time value to each patient without respect to age.

  When the *Standard Type* field is defined as *multiplier* and the *Variable Type* field is defined as *patient*, this value is used in the other standard patient multiplier(s) portion of the acuity calculation.

  When the *Standard Type* field is defined as *time* and the *Variable Type* field is defined as *patient*, this value is used in the other standard patient time(s) portion of the acuity calculation.

**Impact of Change**
- Edits and additions are effective immediately.
- Does not affect previously calculated acuity data.

### Default Multiplier

**Purpose**
Defines the multiplication value that is applied to each patient in the acuity calculation. This subfield only displays when the *Standard Type* field is defined as *multiplier* and the *Variable Type* field is defined as *patient*.

**Input**
- Numeric

**System Use**
- Applies this value to the acuity calculation, by patient.
- Uses this value in the other standard patient multiplier(s) portion of the acuity calculation.

**Impact of Change**
- Edits and additions are effective immediately.
- Does not affect previously calculated acuity data.
### Face Sheet Specific Values

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the time that is applied to the acuity calculation for each face sheet value. This subfield only displays when the <strong>Face Sheet Data Element</strong> field is defined.</th>
</tr>
</thead>
</table>
| Input   | Add/Delete Editor  
- Single selection  
- Links from the **Face Sheet Table**, ^nt("fs"), Categories/Data Element subfile |
| System Use | Applies the appropriate time to the acuity calculation based on documentation of the defined face sheet values.  
When the **Standard Type** field is defined as **multiplier** and the **Variable Type** field is defined as **patient**, this value is used in the other standard patient multiplier(s) portion of the acuity calculation.  
When the **Standard Type** field is defined as **time** and the **Variable Type** field is defined as **patient**, this value is used in the other standard patient time(s) portion of the acuity calculation.  
When a subfield value is selected, displays the **Performed By** sub-subfield for definition. |
| Impact of Change | Edits and additions are effective immediately.  
Does not affect previously calculated acuity data. |

### Shift

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the shift to which the value is applied. This subfield only displays when the <strong>Variable Type</strong> field is defined as <strong>shift</strong>.</th>
</tr>
</thead>
</table>
| Input   | Single selection of a Shift Option  
Links from the **Shift Schedule** field of this table  
(D) Default  
Required |
| System Use | Applies this value to the acuity calculation, by shift.  
When the **Standard Type** field is defined as **multiplier** and the **Variable Type** field is defined as **shift**, this value is used in the other standard shift multiplier(s) portion of the acuity calculation.  
When the **Standard Type** field is defined as **time** and the **Variable Type** field is defined as **shift**, this value is used in the other standard shift time(s) portion of the acuity calculation. |
| Impact of Change | Edits and additions are effective immediately.  
Does not affect previously calculated acuity data. |
### Multiplier

**Purpose**
Defines the value that is applied to each shift. This subfield only displays when the Standard Type field is defined as multiplier and the Variable Type field is defined as shift. This subfield also displays as a sub-subfield when the Standard Type field is defined as multiplier, the Variable Type field is defined as patient and the Face Sheet Specific Values subfield is defined.

**Input**
Numeric

**System Use**
Applies the value to the acuity calculation for the shift defined.

When the Standard Type field is defined as multiplier and the Variable Type field is defined as shift, this value is used in the other standard shift multiplier(s) portion of the acuity calculation.

When the Standard Type field is defined as multiplier and the Variable Type field is defined as patient, this value is used in the other standard patient multiplier(s) portion of the acuity calculation.

**Impact of Change**
Edits and additions are effective immediately.

Does not affect previously calculated acuity data.

---

### Default Performed By

**Purpose**
Defines the time value to be applied to the acuity calculation, by employee type. This subfield only displays when the Standard Type field is defined as time and the Variable Type field is defined as patient.

**Input**
Add/Delete Editor

- Partial name match
  - Single selection
    - Links from the Employee Type Table, ^aet("et")
- Numeric (time per 24 hours)

**System Use**
Applies the appropriate time value to the acuity calculation, by employee type.

When the Standard Type field is defined as time and the Variable Type field is defined as patient, this value is used in the other standard patient time(s) portion of the acuity calculation.

**Impact of Change**
Edits and additions are effective immediately.

Does not affect previously calculated acuity data.
**Performed By**

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the time value to be applied to the acuity calculation, by employee type. This subfield only displays when the <strong>Standard Type</strong> field is defined as <strong>time</strong> and the <strong>Variable Type</strong> field is defined as <strong>shift</strong>. This subfield also displays as a sub-subfield when the <strong>Standard Type</strong> field is defined as <strong>time</strong>, the <strong>Variable Type</strong> field is defined as <strong>patient</strong> and the <strong>Face Sheet Specific Values</strong> subfield is defined.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Add/Delete Editor</td>
</tr>
<tr>
<td></td>
<td>✦ Partial name match</td>
</tr>
<tr>
<td></td>
<td>Single selection</td>
</tr>
<tr>
<td></td>
<td>Link from the Employee Table, <em>aet(&quot;et&quot;)</em></td>
</tr>
<tr>
<td></td>
<td>✦ Numeric (time per 24 hours)</td>
</tr>
<tr>
<td>System Use</td>
<td>Applies the appropriate time value to the acuity calculation, by employee type.</td>
</tr>
<tr>
<td></td>
<td>When the <strong>Standard Type</strong> field is defined as <strong>time</strong> and the <strong>Variable Type</strong> field is defined as <strong>shift</strong>, this value is used in the other standard shift time(s) portion of the acuity calculation.</td>
</tr>
<tr>
<td></td>
<td>When the <strong>Standard Type</strong> field is defined as <strong>time</strong> and the <strong>Variable Type</strong> field is defined as <strong>patient</strong>, this value is used in the other standard patient time(s) portion of the acuity calculation.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
<tr>
<td></td>
<td>Does not affect previously calculated acuity data.</td>
</tr>
</tbody>
</table>

**Paid?**

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines whether the employee type time is paid or non-paid. This field only displays when the <strong>Standard Type</strong> field is defined as <strong>time</strong>, the <strong>Variable Type</strong> field is defined as <strong>employee</strong>.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Yes/No</td>
</tr>
<tr>
<td></td>
<td>Defaults to <strong>no</strong></td>
</tr>
<tr>
<td>System Use</td>
<td><strong>Yes</strong> – Utilizes paid time (e.g., breaks) in the acuity calculation depending on how the Display Non-Paid Time? push parameter is defined in the Patient Acuity Display menu function.</td>
</tr>
<tr>
<td></td>
<td><strong>No</strong> – Utilizes non-paid time (e.g., lunch) in the acuity calculation depending on how the Display Non-Paid Time? push parameter is defined in the Patient Acuity Display menu function.</td>
</tr>
<tr>
<td></td>
<td>When the <strong>Standard Type</strong> field is defined as <strong>time</strong> and the <strong>Variable Type</strong> field is defined as <strong>employee</strong>, this value is used in the other standard employee type time(s) portion of the acuity calculation.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
<tr>
<td></td>
<td>Does not affect previously calculated acuity data.</td>
</tr>
</tbody>
</table>
Classification Systems Subfile
The following fields display on the Table Builder Definition Screen for the Classification Systems subfile:

Classification System Name Level
The following fields display on the Table Builder Definition Screen for the Classification Systems subfile, Classification System Name level:

<table>
<thead>
<tr>
<th>Classification System Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purpose</td>
</tr>
<tr>
<td>Identifies the name of the classification system.</td>
</tr>
<tr>
<td>Input</td>
</tr>
<tr>
<td>Free-text</td>
</tr>
<tr>
<td>Greater than 25 characters is impractical for display purposes.</td>
</tr>
<tr>
<td>Required</td>
</tr>
<tr>
<td>System Use</td>
</tr>
<tr>
<td>Displays this name in the Area Group Definition subfile of this table.</td>
</tr>
<tr>
<td>Impact of Change</td>
</tr>
<tr>
<td>Edits and additions are effective immediately.</td>
</tr>
<tr>
<td>Does not affect previously calculated acuity data.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Classification System Short Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purpose</td>
</tr>
<tr>
<td>Identifies the classification system name in abbreviated terms.</td>
</tr>
<tr>
<td>Input</td>
</tr>
<tr>
<td>Free-text</td>
</tr>
<tr>
<td>10 character limit</td>
</tr>
<tr>
<td>Required</td>
</tr>
<tr>
<td>System Use</td>
</tr>
<tr>
<td>Currently not used</td>
</tr>
<tr>
<td>Impact of Change</td>
</tr>
<tr>
<td>None</td>
</tr>
</tbody>
</table>
Patient Classification Options Level
The following fields display on the Table Builder Definition Screen for the Classification Systems subfile, Patient Classification Options level:

<table>
<thead>
<tr>
<th>Classification Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purpose</td>
</tr>
<tr>
<td>Input</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>System Use</td>
</tr>
<tr>
<td>Impact of Change</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Classification Short Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purpose</td>
</tr>
<tr>
<td>Input</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>System Use</td>
</tr>
<tr>
<td>Impact of Change</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Classification Display Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purpose</td>
</tr>
<tr>
<td>Input</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>System Use</td>
</tr>
<tr>
<td>Impact of Change</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
### Care Work Cutoff

**Purpose**
Defines the maximum number of hours in the category, in hours per day.

**Input**
Numeric (maximum care work hours)
- Floating point

**System Use**
Uses this number to determine the range of hours in each classification category.

**Impact of Change**
Edits and additions are effective immediately.

**System Use**
Uses this hard-coded option to indicate no upper limit to a classification category.

**Impact of Change**
Edits and additions are effective immediately.

### Diagnosis Based Acuities Subfile

The following fields display on the Table Builder Definition Screen for the Diagnosis Based Acuities subfile:

### ICD-9 Diagnosis

**Purpose**
Defines the ICD-9 code for inpatient or short stay visits, statused as pre-admit or pending.

**Input**
Single selection of an ICD-9 diagnosis category

**System Use**
Uses the defined codes in the acuity calculation to predict care hour requirements, by ICD-9 diagnosis code, by employee type, for pending and pre-admitted patients.

**Impact of Change**
Edits and additions are effective immediately.
Care Hours

Purpose
Defines the number of care hours, by employee type, needed for this diagnosis.

Input
Add/Delete Editor
- Partial name match
- Single selection
  Links from the Employee Type Table, ^aet("et")
- Numeric (time per 24 hours)

System Use
Uses the defined times in the acuity calculation to predict care hour requirements, by ICD-9 diagnosis code, by employee type, for pending and pre-admitted patients.

Impact of Change
Edits and additions are effective immediately.

Does not affect previously calculated acuity data.

Shift Schedules Subfile

The following fields display on the Table Builder Definition Screen for the Shift Schedules subfile:

Shift Schedule Name Level

The following fields display on the Table Builder Definition Screen for the Shift Schedules subfile, Shift Schedule Name level:

Shift Schedule Name

Purpose
Identifies the shift schedule name.

Input
Free-text
Greater than 25 characters is impractical for display purposes.

System Use
Displays the shift schedule name in the Area Group Definition subfile, Shift Schedule field of this table.

Impact of Change
Edits and additions are effective immediately.

Does not affect previously calculated acuity data.
Shift Schedule Short Name

Purpose  Identifies the shift schedule name in abbreviated terms.

Input  Free-text
10 character limit
Required

System Use  Currently not used

Impact of Change  None

Shift Options Level

The following fields display on the Table Builder Definition Screen for the Shift Schedules subfile, Shift Options level:

Shift Name

Purpose  Identifies the shift name.

Input  Free-text
Greater than 25 characters is impractical for display purposes.
Required

System Use  Displays this name for selection in the Area Group Definition subfile, Shift Schedule field.

Impact of Change  Edits and additions are effective immediately.
Does not affect previously calculated acuity data.

Shift Short Name

Purpose  Identifies the shift name in abbreviated terms.

Input  Free-text
10 character limit
Required

System Use  Currently not used

Impact of Change  None
## Shift Start Time

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the start time of the shift.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Standard time format</td>
</tr>
<tr>
<td></td>
<td>Required</td>
</tr>
<tr>
<td>System Use</td>
<td>Uses this time to determine the shifts for appropriate display of predicted patient care hours.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
<tr>
<td></td>
<td>Does not affect previously calculated acuity data.</td>
</tr>
</tbody>
</table>
Chapter 6
Chart Review Data Type Table, \(^nt("cgd")\)

Overview
The \textit{Chart Review Group Data Type Table, \(^nt("cgd")\)}, is used to define the chart review groups used to view special types of non-procedure events (e.g., physician change of service, series visit admit, etc.) for a patient. The chart review groups used to view procedure events are defined in the \textit{Chart Review Group Table, \(^nt("cg")\)}, Chart Review Groups subfile and linked to each procedure in the Procedure Table, \(^t\), Chart Review Information Screen, Chart Review Group(s) field.

Some events that display in the electronic medical record are automatically created by the System. For example, when the attending physician, consulting physician, preceptor, resident, or additional responsible physician for a patient is edited, the System creates a physician change of service event for the patient's visit. A physician change of service event is a non-procedure event. Therefore, a chart review group(s) must be associated with the Physician Change of Service chart review group data type option in order for the event to be viewed in chart review. The chart review group(s) associated with each chart review group data type option is defined in this table.

Table Attributes

<table>
<thead>
<tr>
<th>Table Relationship</th>
<th>Links TO Menu Functions FROM (^nt(&quot;cgd&quot;)):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>◦ None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Links TO other Tables FROM (^nt(&quot;cgd&quot;)):</th>
</tr>
</thead>
<tbody>
<tr>
<td>◦ None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Links FROM other Tables TO (^nt(&quot;cgd&quot;)):</th>
</tr>
</thead>
<tbody>
<tr>
<td>◦ Chart Review Group Table, (^nt(&quot;cg&quot;))</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Facility Specific?</th>
<th>No</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Table Organization</th>
<th>The Chart Review Group Data Type Table, (^nt(&quot;cgd&quot;)), is a single-level table. Once this table is accessed, the System displays a list of hard-coded Chart Review Group Data Type Options. These options correspond to the special non-procedure events created by the System.</th>
</tr>
</thead>
</table>
The following Chart Review Group Data Type Options display:

- **Order Block**
  When orders are entered for a patient, the System creates an order block event. This event is similar to a written series of orders on a physician's order sheet in the patient record. When a surgery DC is performed in the Surgery DC menu function, the System creates a Surgery DC Orders order block event. In addition, when a transfer/change of service DC or discharge DC is performed, the System creates a Transfer DC Orders or Discharge DC Orders order block event.

- **Care Plan Block**
  Care plan block events contain the documentation associated with the review, modification, and resolution of care plans as part of the care planning process.

- **Care Plan Review Event**
  The System creates care plan review events to remind the user to review the care plan. QuadraMed CPR creates one event for each care planning category defined in the Care Planning Table, for which a patient problem has been defined. Each care plan review event is scheduled based on the review frequency specified for the goals established for the patient. It represents the next time one of the care plan problems within that category requires review. The System reschedules care plan review events every night so they remain on the current schedule.

  Documenting a care plan review event creates a care plan block event and causes the System to reschedule the care plan review event to the time of the next required review.

- **IV Change Event**
  IV change events are used to document the progress of one or more currently infusing intravenous (IV) solutions. This event lists all currently running IVs and allows the user to document the status of the IV. As a result of this documentation, the System records the IV intake, recalculates the time the next solution is due, and reschedules the IV change event.

- **Admit Event**
  When a patient's visit is activated, the System creates an admit event that documents the beginning of the patient encounter. When an admit event is reviewed, the System provides access to patient registration and visit information collected during the process of admitting the patient for the current visit.

- **Series Visit Admit Event**
  The System generates a series visit admit event for each encounter a patient has during a series visit. A series visit is a single visit in which the patient has multiple encounters with the facility. For example, a patient having physical therapy treatments three times per week for six weeks would have a single series visit. Each separate session results in a series visit admit event.

- **Physician Change of Service**
  The System generates a physician change of service event when the attending physician, consulting physician, preceptor, resident, or additional responsible physician assignment for a patient is edited.
<table>
<thead>
<tr>
<th>Department Usage</th>
<th>Admitting/Registration – Admitting/registration uses the information defined in this table to view admit, series visit admit, physician change of service, and System down events.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Clinic – The clinic uses the information defined in this table to view order blocks and System down events.</td>
</tr>
<tr>
<td></td>
<td>Dietary – Dietary uses the information defined in this table to view order blocks and System down events.</td>
</tr>
<tr>
<td></td>
<td>Emergency – Emergency uses the information defined in this table to view order blocks and System down events.</td>
</tr>
<tr>
<td></td>
<td>Housekeeping – Housekeeping uses the information defined in this table to view System down events.</td>
</tr>
<tr>
<td></td>
<td>Information Services – Information services use the information defined in this table to view System down events.</td>
</tr>
<tr>
<td></td>
<td>Laboratory – The laboratory uses the information defined in this table to view order blocks and System down events.</td>
</tr>
<tr>
<td></td>
<td>Medical Records – Medical records uses the information defined in this table to view order blocks, physician change of service events, and System down events.</td>
</tr>
<tr>
<td></td>
<td>Medical Staff – The medical staff uses the information defined in this table to view physician change of service events and System down events.</td>
</tr>
<tr>
<td></td>
<td>Nursing – Nursing uses the information defined in this table to view care plan blocks, care plan review events, physician change of service events, IV change events, order blocks, and System down events.</td>
</tr>
<tr>
<td></td>
<td>Pharmacy – The pharmacy uses the information defined in this table to view IV change events, order blocks, and System down events.</td>
</tr>
<tr>
<td></td>
<td>Physical Therapy – Physical therapy uses the information defined in this table to view order blocks, care plan blocks, care plan review events, and System down events.</td>
</tr>
<tr>
<td></td>
<td>Radiology – Radiology uses the information defined in this table to view order blocks, physician change of service events, and System down events.</td>
</tr>
<tr>
<td></td>
<td>Respiratory Care – Respiratory care uses the information defined in this table to view order blocks, physician change of service events, and System down events.</td>
</tr>
<tr>
<td></td>
<td>Social Services – Social services use the information defined in this table to view order blocks, care plan blocks, care plan review events, physician change of service events, and System down events.</td>
</tr>
<tr>
<td></td>
<td>Surgery – Surgery uses the information defined in this table to view order blocks, physician change of service events, and System down events.</td>
</tr>
</tbody>
</table>
Table Builder Definition Screen
The following field displays on the Table Builder Definition Screen:

<table>
<thead>
<tr>
<th>Chart Review Group(s)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Purpose</td>
<td>Defines the chart review group(s) that can be used to view events having this chart review group data type.</td>
</tr>
<tr>
<td>Input</td>
<td>Add/Delete Editor</td>
</tr>
<tr>
<td></td>
<td>• Partial name match</td>
</tr>
<tr>
<td></td>
<td>• Multiple selection</td>
</tr>
<tr>
<td></td>
<td>• Links from the Chart Review Group Table, ^nt(&quot;cg&quot;), Chart Review Groups subfile</td>
</tr>
<tr>
<td>System Use</td>
<td>Places all events having this chart review group data type into the defined chart review group(s).</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>
Chapter 7

Procedure Mapping Group Table, ^nt("pm")

Overview

The Procedure Mapping Group Table, ^nt("pm"), is used to link similar procedures across multiple facilities for display in the Health Maintenance Record menu function, Procedure Summary menu option(s) as a universal procedure.

Table Attributes

| Table Relationship | Links TO Menu Functions FROM ^nt("pm"):
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>◦ Health Maintenance Record</td>
</tr>
</tbody>
</table>
|                    | Links TO other Tables FROM ^nt("pm"):
|                    | ◦ Procedure Table, ^t                   |
|                    |                                            |
|                    | Department Processing Screen            |
|                    | Links FROM other Tables TO ^nt("pm"):
|                    | ◦ None                                  |
| Facility Specific? | No                                      |
| Table Organization | The Procedure Mapping Group Table, ^nt("pm"), is a single-level table. Once this table is accessed, the System displays a list of previously defined Procedure Mapping Group Options, if any. The usual Edit, Add, and Delete processing options are available. |
| Department Usage   | Cardiology – Cardiology uses procedure mapping groups to allow similar cardiology procedures across multiple facilities to be associated and viewed in the Health Maintenance Record menu function, Procedure Summary menu option(s) as a universal procedure. |
Table Builder Definition Screen

The following fields display on the Table Builder Definition Screen:

<table>
<thead>
<tr>
<th>Procedure Mapping Group Name</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Purpose</strong></td>
</tr>
<tr>
<td><strong>Input</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
## Procedure Mapping Group Name (Continued)

| System Use | Displays this name for selection in the Health Maintenance Record menu function, Add'l Menu Options push parameter, Display Order field when choosing to insert a procedure mapping group. Displays this name for selection in the Procedure Table, *t, Department Processing Screen, Procedure Mapping Group field. Displays this name on the Health Maintenance Record menu function, Procedure Summary Screen when this procedure mapping group is defined in the Add'l Menu Options push parameter, Display Order field. |
| Impact of Change | Edits and additions are effective immediately. Affects previously documented procedure mapping groups. |

### Procedure Mapping Group Short Name

| Purpose | Identifies the procedure mapping group name in abbreviated terms. |
| Input | Free-text 10 character limit |
| System Use | Currently not used |
| Impact of Change | None |
Chapter 8
Intake/Output Table, ^nt("io")

Overview
The Intake/Output Table, ^nt("io"), is used to define the storage categories for intake and output result data. These categories are used to display intake and output summary data in the Intake/Output menu function.

The Assessment Category/Data Element Table, ^nt("ac"), Calculation, Numeric, and Measurement data elements all contain I/O identification Constants fields, which use the categories defined in this table.

Medication products with fluid concentration can also be linked to these categories to automatically update the intake when medications are administered.

Table Attributes

<table>
<thead>
<tr>
<th>Table Relationship</th>
<th>Links TO Menu Functions FROM ^nt(&quot;io&quot;):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>None</td>
</tr>
<tr>
<td>Links TO other Tables FROM ^nt(&quot;io&quot;):</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Assessment Category/Data Element Table, ^nt(&quot;ac&quot;)</td>
</tr>
<tr>
<td></td>
<td>Product Table, ^pt(&quot;p&quot;)</td>
</tr>
<tr>
<td>Links FROM other Tables TO ^nt(&quot;io&quot;):</td>
<td></td>
</tr>
<tr>
<td></td>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Facility Specific?</th>
<th>No</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Database Standards</th>
<th>The database standards used to build/validate this table are described in two chapters in the QuadraMed® CPR Database Standards Table Reference – Category/Group/Profile and Display Groups.</th>
</tr>
</thead>
</table>
The Intake/Output Table, ^nt("io"), is a single-level table. Once this table is accessed, the System prompts to choose either intake or output. After an option is chosen, the System displays a list of previously defined Category Options, if any.

The usual **Edit**, **Add**, and **Delete** processing options are available.

**Department Usage**

- **Dietary** – Dietary uses this table to track the amount of fluids and solids that a patient consumes.
- **Nursing** – Nursing uses this table to define appropriate categories for recording intake and output data for a patient.
- **Pharmacy** – The pharmacy uses this table to monitor the effects of IV fluid therapy.

**Table Builder Definition Screen**

The following fields display on the Table Builder Definition Screen:

<table>
<thead>
<tr>
<th><strong>I/O Category Name</strong></th>
<th>Purpose</th>
<th>Input</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Identifies the name of the intake or output category.</td>
<td>Free-text</td>
</tr>
<tr>
<td></td>
<td>Greater than 70 characters is impractical for display purposes.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td><strong>System Use</strong></td>
<td>Displays the category name in selection lists for linking to other tables and in the <strong>I/O Display</strong> menu function for display of the input or output for that category.</td>
<td></td>
</tr>
<tr>
<td><strong>Impact of Change</strong></td>
<td>Changing the name of the category changes the name that displays in database linkages and in the name that displays in the <strong>I/O Display</strong> menu function.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Deleting a category removes that category from the <strong>I/O Display</strong> menu function and unlinks the data elements originally linked to that category. When those elements are not reassigned to a different I/O category(s), their data is not updated in the I/O display. A category should not be deleted until all elements and products linked to that category have been reassigned.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Edits and additions are effective immediately.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Does not affect previously documented intake/output data.</td>
<td></td>
</tr>
</tbody>
</table>
Chapter 9

Problem List Selection Tree Table, ^nt("plt")

Overview

The Problem List Selection Tree Table, ^nt("plt"), is used to define the problem list selection trees and personal problem list selection trees that display during problem list processing. Personal problem list selection trees are defined specific to a provider. Problem list selection trees are used to simplify adding a problem in QuadraMed CPR, providing indexed lists of predefined problems from which a problem(s) can be selected. Since the problems on the selection trees are partially or completely defined, the user needs to complete only the unspecified portion(s) of the problem.

Problem list selection trees can be used as catalogs of problems and are often organized by physiological systems for easy reference. Typically, a given list of problems may be needed in several problem list selection trees. Therefore, QuadraMed CPR allows a previously defined tree to be linked as a selection at any level in another tree. Therefore, it is a good strategy to create commonly used lists as separate trees then link them into other problem list selection trees as needed. When the user selects an item that is linked to another tree, the System displays the first screen of that tree as if it had been selected instead. For example, a problem list selection tree for a primary care clinic contains a list of problems frequently encountered in the clinic. However, that selection tree can also include a link to the dermatology clinic's problem list selection tree to provide access to that catalog. In addition, a clinical pathway can be defined for a problem that facilitates initiating/activating a clinical pathway when adding or maintaining the patient's problem list.
# Table Attributes

| Table Relationship | Links TO Menu Functions FROM ^nt("plt"):<br><ul><li>Health Maintenance Record</li></ul><br>Links TO other Tables FROM ^nt("plt"):<br><ul><li>Employee/Provider Table, ^ae</li></ul><br>Links FROM other Tables TO ^nt("plt"):<br><ul><li>American College Of Radiology (ACR) Table, ^acr</li><li>Chart Review Group Table, ^nt("cg")</li><li>Clinical Outcome Guideline Table, ^nt("cog")</li><li>Current Procedural Terminology (CPT) Table, ^rcpt</li><li>ICD-9 Diagnosis Codes Table, ^ricd</li><li>ICD-9 Procedure Codes Table, ^ricp</li><li>ICD-10 Diagnosis Codes Table, ^ricd10</li><li>Problem List Classification Table, ^nt("plc")</li><li>Problem List Master Table, ^nt("plm")</li><li>SNOMED II File Table, ^rsno2</li></ul> |
| Facility Specific? | No |
| Database Standards | The database standards used to build/validate this table are described in the Selection Screens and Trees chapter in the QuadraMed® CPR Database Standards Table Reference. |
| Table Organization | The Problem List Selection Tree Table, ^nt("plt"), is a multiple-level table. It is composed of the following levels:<br><ul><li>Problem List Tree Name</li><li>Selection Tree Line Definition</li></ul>Once this table is accessed, the System prompts for a partial name. After a partial name has been entered, the System displays a list of matching Problem List Selection Tree Options, if any. An option can be selected to edit or the following processing options are available:<br><ul><li>Add</li><li>Delete</li></ul>Selecting an option to edit displays the information for the Problem List Tree Name level. This information can be edited by choosing *(E) Edit Current Level* or the Selection Tree Line Definition level can be accessed by choosing *(C) Continue To Sub-Level.* |
When adding a new option, the information for the Problem List Tree Name level must be defined and accepted before the information for the Selection Tree Line Definition level can be accessed.

After the Problem List Tree Name level is defined, the System displays the Selection Tree Line Definition level. The user can select an option or choose Edit. Only interior options or linked trees can be selected. Choosing Edit displays the following processing options for selection:

- **Change Column Display** – Allows the number of columns in the display to be changed. Clicking this button causes the System to prompt for the number of columns to display in the editor window. The System defaults to three columns.

- **Delete** – Allows an option to be removed from the list. Clicking Delete causes the System to prompt for the number(s) of the item(s) to delete. When an item number(s) is entered, the System highlights the entry and asks for verification to delete the item(s). Once verified, the System deletes the item(s) from the list and redisplays the list minus the deleted item(s).

- **Edit Screen Heading** – Allows a screen heading to be edited. Clicking Edit Screen Heading causes the System to prompt the user to enter the screen heading.

- **Insert** – Allows a new option to be inserted into any position on the list. Clicking (I) Insert causes the System to prompt for the location to which the option is to be inserted. The option can be placed before an already existing option or at the end of the list. The System defaults to end. For example, when the new option is inserted before option number 3, the new option becomes option number 3, option number 3 becomes number 4, and so forth. Once a position is established, the System prompts for an option to be selected.

- **Move** – Allows an option(s) to be moved to any location on the list. Clicking (M) Move causes the System to prompt for the location to which the option(s) is to be moved. The option(s) can be placed before an already existing option or at the end of the list. Once a location is specified, the System moves the option(s) to the specified location. When multiple options are selected to move, the System places the options in the specified location in the order in which they were selected.

- **Sort** – Allows specific options, group of options, or all options on the list to be sorted in alpha order. Clicking (S) Sort causes the System to prompt the user to select the option(s) to sort. Multiple options can be sorted by pressing CTRL+Click or a range of options can be selected by pressing SHIFT+Click. All options can be sorted by choosing (A) All.

- **View Actual Display** – Allows the screen to be viewed in display windows of various sizes, as it will display on the user's screen. Clicking (V) View Actual Display causes the System to prompt for the number of lines in the display window to be entered.
**Department Usage**

<table>
<thead>
<tr>
<th>Department Usage</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiology</td>
<td>Cardiologists use the selection trees defined in this table to add common cardiology problems in the health maintenance record.</td>
</tr>
<tr>
<td>Clinics</td>
<td>Physicians in the clinics use the selection trees defined in this table to add patient problems in the health maintenance record.</td>
</tr>
<tr>
<td>Emergency</td>
<td>Emergency room physicians use the selection trees defined in this table to quickly add patient problems in the health maintenance record.</td>
</tr>
<tr>
<td>Medical Staff</td>
<td>Physicians use the selection trees defined in this table to add patient problems in the health maintenance record and to initiate clinical pathways.</td>
</tr>
<tr>
<td>Nursing</td>
<td>Nurse practitioners use this table to define the most common allied health problems encountered on each nursing unit.</td>
</tr>
<tr>
<td>Physical Therapy</td>
<td>Physical therapists use this table to define the most common physical therapy problems.</td>
</tr>
<tr>
<td>Respiratory Care</td>
<td>Respiratory care uses this table to define the most common respiratory problems.</td>
</tr>
<tr>
<td>Social Services</td>
<td>Social services use this table to define the most common allied health problems encountered during treatment.</td>
</tr>
<tr>
<td>Surgery</td>
<td>Surgeons use the selection trees defined in this table to add a patient's medical problems.</td>
</tr>
</tbody>
</table>

**Table Builder Definition Screen**

**Problem List Tree Name Level**

The following fields display on the Table Builder Definition Screen for the Problem List Tree Name level:
Problem List Tree Name

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Identifies the name of the problem list selection tree.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Free-text</td>
</tr>
<tr>
<td></td>
<td>Greater than 50 characters is impractical for display purposes.</td>
</tr>
<tr>
<td></td>
<td>Required</td>
</tr>
<tr>
<td>System Use</td>
<td>Displays this name for selection in the Health Maintenance Record menu function, Medical Parameters push parameter, Medical View Selection Tree field.</td>
</tr>
<tr>
<td></td>
<td>Displays this name for selection in the Health Maintenance Record menu function, Medical Parameters push parameter, All Problem List View field, Selection Tree subfield.</td>
</tr>
<tr>
<td></td>
<td>Displays this name for selection in the Employee/Provider Table, ^ae, Facility-specific level, Problem Select Tree field.</td>
</tr>
<tr>
<td></td>
<td>Displays this name for selection in the Linked Tree field of this table.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
<tr>
<td></td>
<td>Affects previously documented problem list selection tree linkages.</td>
</tr>
</tbody>
</table>

Alias Name(s)

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Identifies alternative names by which the problem list selection tree can be accessed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Add/Delete Editor</td>
</tr>
<tr>
<td></td>
<td>◆ Free-text</td>
</tr>
<tr>
<td></td>
<td>◆ Greater than 50 characters is impractical for display purposes.</td>
</tr>
<tr>
<td>System Use</td>
<td>Provides an alternative method for identifying the problem list selection tree. When an alias name or partial alias name is defined, the System displays the alias name with the problem list name in parentheses (e.g., Card (Cardiology)).</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
<tr>
<td></td>
<td>Affects the way in which a problem list selection tree can be identified.</td>
</tr>
</tbody>
</table>

Selection Tree Line Definition Level

The following fields can display on the Table Builder Definition Screen for the Selection Tree Line Definition level:

Line Type

| Purpose | Defines the items or lines that create the information that displays on the selection tree. |
## Line Type (Continued)

<table>
<thead>
<tr>
<th>Input</th>
<th>(H) Line Type: Heading</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(S) Subheading</td>
</tr>
<tr>
<td></td>
<td>(I) Interior Option</td>
</tr>
<tr>
<td></td>
<td>(K) Linked Interior Option</td>
</tr>
<tr>
<td></td>
<td>(L) Leaf Option</td>
</tr>
</tbody>
</table>

**Required**

### System Use

- **(H) Line Type: Heading** – Allows a heading to display on the selection tree. Headings display centered, in dim reverse text and extend the length of the display column. Headings cannot be selected on the user side.

- **(S) Subheading** – Allows a subheading to display on the selection tree. Subheadings display centered, in dim underlined text in the display column. Subheadings cannot be selected on the user side.

- **(I) Interior Option** – Allows an interior option to display on the selection tree. Interior options display in dim text in this table and on the user side. When an interior option is selected, the System displays another list of options. Generally, interior options are used as a category to group common problems (e.g., cardiology, respiratory, etc.).

- **(K) Linked Interior Option** – Allows another problem list selection tree defined in this table to be accessed. Linked interior options display in dim text in this table and on the user side. When a linked interior option is selected, the System displays the selection tree defined in the **Linked Tree** field. Displays the **Linked Tree** field for definition.

- **(L) Leaf Option** – Allows an option to display on the selection tree. Options display in bright text in this table and on the user side. Displays the following additional fields for definition:
  - Option Type
  - Problem(s)

### Impact of Change

Edits and additions are effective immediately.

## Linked Tree

### Purpose

Defines the selection tree that is linked to this interior option. This field displays only when the **Line Type** field is defined as **linked interior option**.

### Input

- Partial word match
  - Single selection
  - Links from the Problem List Tree Name level of this table

### System Use

- Allows linkage to another problem list selection tree defined in this table.
- Displays this linked selection tree when this option is selected during problem list processing.
- Displays a linked tree option in dim text in this table and during problem list processing.
Linked Tree (Continued)

Impact of Change  Edits and additions are effective immediately.

Option Type

Purpose  Defines the type of option that displays on the problem list selection tree. This field displays only when the Line Type field is defined as leaf option.

Input  
(P) Problem
(D) Default Problem Information

System Use  
(P) Problem – Displays a specific problem on the problem list selection tree. Displays the Problem(s) field for definition.

(D) Default Problem Information – Displays default problem information on the problem list selection tree.

Default problem information is used to allow one time entry of common problem information that can be applied to multiple problems (e.g., classification). Displays the Default Information field for definition.

Impact of Change  Edits and additions are effective immediately.

Problem(s)

Purpose  Defines the name of the problem(s). This field displays only when the Option Type field is defined as problem.

Input  Insert/Delete Editor

- Partial word match

  Single selection

  Links from the Problem List Master Table, ^nt("plm")

Required
**Problem(s) (Continued)**

| System Use | Defaults the name of the first defined problem into the **Display Text** field.  
| Defaults this problem in the **Health Maintenance Record** menu function, **Problem Information Screen**, **Problem** field when this problem is selected from the selection tree.  
| Defaults this problem name in the **Problem** field when adding this problem as the reason for ordering a procedure. This field displays when adding a problem in the field created from the **Order Entry Profile Table**, \(^{nt(“op”)}\), **Active Problem(s)** data element.  
| Defaults this problem in the **Problem** field when associating this problem with procedure results. This field displays when adding a problem in the field created from the **Result Entry Profile Table**, \(^{nt(“rp”)}\), **Active Problem(s)** data element. |

| Impact of Change | Edits and additions are effective immediately. |

---

**Default Information**

| Purpose | Defines the problem information that displays when a default information option is selected for a problem from the selection tree. This field displays only when the **Option Type** field is defined as **default problem information**. |

| Input | Displays the following subfields for definition:  
| Onset Date  
| Start Date  
| Stop Date  
| Classification(s)  
| Clinical Pathway(s)  
| Auto Review  
| ICD9 Diagnosis  
| ICD9 Procedure  
| ICD10 Diagnosis  
| CPT4  
| ACR  
| SNOMED  
| Required |
### Default Information (Continued)

<table>
<thead>
<tr>
<th>System Use</th>
<th>Allows common data to be entered once and displayed for multiple problems.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NOTE:</strong></td>
<td>Selecting the Default Problem Information option with a specific problem(s) on the problem list selection tree causes the System to override any problem information defined in the Problem List Master Table, <code>nt(&quot;plm&quot;)</code>, Problem Definition field, Onset Date, Start Date, Stop Date, Classification(s), Clinical Pathways(s), Auto Review, ICD9 Diagnosis, ICD9 Procedure, ICD10 Diagnosis, CPT4, ACR and SNOMED subfields.</td>
</tr>
<tr>
<td></td>
<td>If the default information option is not selected, the System displays the default problem information defined in the Problem List Master Table, <code>nt(&quot;plm&quot;)</code>.</td>
</tr>
</tbody>
</table>

| Impact of Change | Edits and additions are effective immediately. |

### Onset Date

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines a default date the problem(s) began.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input</strong></td>
<td>Relative date (i.e., ( t, t-1 ))</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>System Use</th>
<th>Allows a default onset date to display as an option on the problem list selection tree. This option is used when multiple problems are defined using the same onset date.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NOTE:</strong></td>
<td>When the selected problem(s) has information defined in the Problem List Master Table, <code>nt(&quot;plm&quot;)</code>, Problem Definition field, Onset Date subfield and the Default Information field, Onset subfield in this table, the System displays the default information defined in this table.</td>
</tr>
<tr>
<td></td>
<td>For example, the Problem List Master Table, <code>nt(&quot;plm&quot;)</code>, Problem Definition field, Onset Date subfield is defined with an onset date of ( t ) for the problem of pneumonia. When pneumonia is selected from the problem list selection tree and a default problem onset date of ( t-1 ) is also selected, the onset date of ( t-1 ) overrides the onset date of ( t ).</td>
</tr>
</tbody>
</table>

| Impact of Change | Edits and additions are effective immediately. |

### Start Date

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the default date the provider began following the problem(s).</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input</strong></td>
<td>Relative date (i.e., ( t, t-1 ))</td>
</tr>
</tbody>
</table>

---

*Determine the problem information that displays when a default information option is selected with a problem(s) from the selection tree. When a default information option is selected with a problem(s) from the problem list selection tree, the problem(s) must be selected before the default information option.*
Start Date  (Continued)

System Use  Allows a default start date to display as an option on the problem list selection tree. This option is used when multiple problems are defined using the same start date.

For example, when several respiratory problems are selected from the problem list selection tree with a start date of t-1, the System evaluates the date defined in this field against the current System date and defaults the calculated date in the Health Maintenance Record menu function, Problem Information Screen, Start Date field for each selected problem.

NOTE: When the selected problem(s) has information defined in the Problem List Master Table, *nt("plm"), Problem Definition field, Start Date subfield and the Default Information field, Start Date subfield in this table, the System displays the default information defined in this table.

For example, the Problem List Master Table, *nt("plm"), Problem Definition field, Start Date subfield is defined with a start date of t for the problem of pneumonia. When pneumonia is selected from the problem list selection tree and a default problem start date of t-1 is also selected, the start date of t-1 overrides the start date of t.

Impact of Change  Edits and additions are effective immediately.

Stop Date

Purpose  Defines the default date the problem was resolved or when following the problem was discontinued.

Input  Relative date (e.g., t, t+1)

Stop Date must be equal to or later than the Start Date

System Use  Allows a default stop date to display as an option on the problem list selection tree. This option is used when multiple problems are defined using the same stop date.

For example, when several respiratory problems are selected from the problem list selection tree with a stop date of t+2, the System evaluates the date defined in this field against the current System date and defaults the calculated date in the Health Maintenance Record menu function, Problem Information Screen, Stop Date field for each selected problem.

NOTE: When the selected problem(s) has information defined in the Problem List Master Table, *nt("plm"), Problem Definition field, Stop Date subfield and the Default Information field, Stop Date subfield in this table, the System displays the default information defined in this table.

For example, the Problem List Master Table, *nt("plm"), Problem Definition field, Stop Date subfield is defined with a stop date of t+2 for the problem of pneumonia. When pneumonia is selected from the problem list selection tree and a default problem stop date of t+3 is also selected, the stop date of t+3 overrides the stop date of t+2.

Impact of Change  Edits and additions are effective immediately.
### Classification(s)

<table>
<thead>
<tr>
<th><strong>Purpose</strong></th>
<th>Defines the classification(s) associated with the problem(s).</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input</strong></td>
<td>Multiple selection</td>
</tr>
<tr>
<td></td>
<td>Links from the Problem List Classification Table, ( ^nt(&quot;plc&quot;) )</td>
</tr>
<tr>
<td><strong>System Use</strong></td>
<td>Allows a default classification(s) to display as an option on the problem list selection tree.</td>
</tr>
<tr>
<td></td>
<td>This option is used when multiple problems are defined using the same classification(s).</td>
</tr>
<tr>
<td></td>
<td>For example, when several respiratory problems are selected from the problem list selection tree with a classification of urgent, the System defaults that classification in the Health Maintenance Record menu function, Problem Information Screen, Classification(s) field for each selected problem.</td>
</tr>
<tr>
<td></td>
<td><strong>NOTE:</strong> When the selected problem(s) has information defined in the Problem List Master Table, ( ^nt(&quot;plm&quot;) ), Problem Definition field, Classification(s) subfield and the Default Information field, Classification(s) subfield in this table, the System displays the default information defined in this table.</td>
</tr>
<tr>
<td></td>
<td>For example, the Problem List Master Table, ( ^nt(&quot;plm&quot;) ), Problem Definition field, Classification(s) subfield is defined with a classification of severe for the problem of pneumonia. When pneumonia is selected from the problem list selection tree and a default problem classification of urgent is also selected, the classification of urgent overrides the classification of severe.</td>
</tr>
<tr>
<td><strong>Impact of Change</strong></td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

### Clinical Pathway(s)

<table>
<thead>
<tr>
<th><strong>Purpose</strong></th>
<th>Defines the clinical outcome guidelines associated with the problem.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input</strong></td>
<td>Add/Delete Editor</td>
</tr>
<tr>
<td></td>
<td>‣ Partial word(s) match</td>
</tr>
<tr>
<td></td>
<td>‣ Single selection</td>
</tr>
<tr>
<td></td>
<td>Links from the Clinical Outcome Guideline Table, ( ^nt(&quot;cog&quot;) )</td>
</tr>
<tr>
<td><strong>System Use</strong></td>
<td>Allows a default clinical pathway(s) to display as an option on the problem list selection tree.</td>
</tr>
<tr>
<td></td>
<td>This option is used when multiple problems are linked to the same clinical pathway(s).</td>
</tr>
<tr>
<td></td>
<td>For example, when several respiratory problems are selected from the problem list selection tree with a clinical pathway of pneumonia, the System defaults that clinical pathway in the Health Maintenance Record menu function, Problem Information Screen, Clinical Pathway(s) field for each selected problem.</td>
</tr>
<tr>
<td></td>
<td><strong>NOTE:</strong> When the selected problem(s) has information defined in the Problem List Master Table, ( ^nt(&quot;plm&quot;) ), Problem Definition field, Clinical Pathway(s) subfield and the Default Information field, Clinical Pathway(s) subfield in this table, the System displays the default information defined in this table.</td>
</tr>
</tbody>
</table>
### Clinical Pathway(s) (Continued)

For example, the problem of pneumonia has a clinical pathway of pneumonia defined in the Problem List Master Table, ^nt("plm"), Problem Definition field, Clinical Pathway(s) subfield.

When pneumonia is selected from the problem list selection tree and a default clinical pathway of uncomplicated pneumonia is also selected, the clinical pathway of uncomplicated pneumonia overrides the clinical pathway of pneumonia.

<table>
<thead>
<tr>
<th>Impact of Change</th>
<th>Edits and additions are effective immediately.</th>
</tr>
</thead>
</table>

### Auto Review

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the data review group(s) for which events automatically display in association with the problem(s).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Add/Delete Editor</td>
</tr>
<tr>
<td></td>
<td>◆ Partial name match</td>
</tr>
<tr>
<td></td>
<td>◆ Multiple selection</td>
</tr>
<tr>
<td></td>
<td>Links from the Chart Review Group Table, ^nt(&quot;cg&quot;), Data Review Groups subfile</td>
</tr>
<tr>
<td>System Use</td>
<td>Allows a default data review group(s) to display as an option on the problem list selection tree. This option is used when multiple problems are defined using the same data review group(s).</td>
</tr>
<tr>
<td></td>
<td>For example, when several respiratory problems are selected from the problem list selection tree with an automatic review group(s) definition of respiratory, the System defaults that data review group in the Health Maintenance Record menu function, Problem Information Screen, Auto Review field for each selected problem.</td>
</tr>
<tr>
<td></td>
<td><strong>NOTE:</strong> When the selected problem(s) has information defined in the Problem List Master Table, ^nt(&quot;plm&quot;), Problem Definition field, Auto Review subfield and the Default Information field, Auto Review subfield in this table, the System displays the default information defined in this table.</td>
</tr>
<tr>
<td></td>
<td>For example, the problem of pneumonia has an automatic review definition of respiratory. When pneumonia is selected from the problem list selection tree and an automatic review group of breathing is also selected, the automatic review group of breathing overrides the automatic review group of respiratory.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

---

QuadraMed Corporation
ICD9 Diagnosis

Purpose
Defines the ICD-9 diagnosis code(s) automatically associated with the problem(s). ICD-9 diagnosis codes consist of codes used in the International Classification of Diseases. The ICD-9 system is a classification of therapeutic, diagnostic, and prophylactic procedures in medicine, covering surgery, radiology, laboratory and other procedures.

Input
Add/Delete Editor
- ICD-9 diagnosis code
  Single selection
  Links from the ICD-9 Diagnosis Codes Table, *ridc, ICD-9 Diagnosis Codes subfile
  (V) View Comments

Lookup name
- Partial word(s) match
  Single selection
  Links from the ICD-9 Diagnosis Codes Table, *ridc, ICD-9 Diagnosis Codes subfile
  (V) View Comments
- Expand
  Single selection of an ICD-9 diagnosis category
  Links from the ICD-9 Diagnosis Codes Table, *ridc, Diagnosis Selection Tree subfile
  - Single selection of an ICD-9 diagnosis code
  - Links from the ICD-9 Diagnosis Codes Table, *ridc, Diagnosis Selection Tree subfile
  (V) View Comments

System Use
Allows a default ICD-9 diagnosis code(s) to display as an option on the problem list selection tree. This option is used when multiple problems are defined using the same ICD-9 diagnosis code(s).

For example, when several respiratory problems are selected from the problem list selection tree with an ICD-9 code definition of 012.8, the System defaults that ICD-9 diagnosis code in the Health Maintenance Record menu function, Problem Information Screen, ICD9 Diagnosis field for each selected problem.

NOTE: When the selected problem(s) has information defined in the Problem List Master Table, *nt(“plm”), Problem Definition field, ICD9 Diagnosis subfield and the Default Information field, ICD9 Diagnosis subfield in this table, the System displays the default information defined in this table.

For example, the problem of pneumonia has an ICD-9 diagnosis code of 480.0. When pneumonia is selected from the problem list selection tree and a default ICD-9 diagnosis code of 480.2 is also selected, the ICD-9 diagnosis code of 480.2 overrides the diagnosis code of 480.0.

(V) View Comments – Allows comments regarding the code to be viewed. Displays specific comments pertaining to this code (i.e., instructions, diseases that should not be coded with this code and specific diseases that should be coded with this code) when the ICD-9 Diagnosis Codes Table, *ridc, ICD-9 Diagnosis Codes subfile, Display Comment, Exclusion Comment, or Inclusion Comment field for the selected code is defined, and the code is not at the leaf (i.e., final) level. When the code is at the leaf level, the comments automatically display.
ICD9 Diagnosis (Continued)

**Expand** – Provides a list of ICD-9 disease categories as defined in the **ICD-9 Diagnosis Codes Table**, *^rid*, Diagnosis Selection Tree subfile.

**Impact of Change**
Edits and additions are effective immediately.

---

**ICD9 Procedure**

**Purpose**
 Defines the ICD-9 procedure code(s) automatically associated with the problem(s). ICD-9 procedure codes consist of codes used in the International Classification of Diseases. The ICD-9 system is a classification of therapeutic, diagnostic, and prophylactic procedures in medicine, covering surgery, radiology, laboratory and other procedures.

**Input**
Add/Delete Editor
- ICD-9 procedure code
  Single selection
  Links from the **ICD-9 Procedure Codes Table**, *^ricp*, ICD-9 Procedure Codes subfile
  (V) View Comment
- Lookup name
- Partial word(s) match
  Single selection
  Links from the **ICD-9 Procedure Codes Table**, *^ricp*, ICD-9 Procedure Codes subfile
  (V) View Comments
- Expand
  Single selection of an ICD-9 procedure category
  Links from the **ICD-9 Procedure Codes Table**, *^ricp*, Procedure Selection Tree subfile
  - Single selection of an ICD-9 procedure code
  - Links from the **ICD-9 Procedure Codes Table**, *^ricp*, Procedure Selection Tree subfile

**System Use**
Allows a default ICD-9 procedure code(s) to display as an option on the problem list selection tree. This option is used when multiple problems are defined using the same ICD-9 procedure code.

For example, when several respiratory problems are selected from the problem list selection tree with an ICD-9 procedure code(s) definition of **93.99**, the System defaults that ICD-9 procedure code in the **Health Maintenance Record** menu function, Problem Information Screen, **ICD9 Procedure** field for each selected problem.

**NOTE:** When the selected problem(s) has information defined in the **Problem List Master Table**, *^nt("plm")*, **Problem Definition** field, **ICD9 Procedure** subfield, and the **Default Information** field, **ICD9 Procedure** subfield in this table, the selected default information overrides any information defined for a specific problem(s).
### ICD9 Procedure (Continued)

For example, the problem of pneumonia has an ICD-9 procedure code of 32.5. When pneumonia is selected from the problem list selection tree and a default ICD-9 procedure code of 33.1 is also selected, the ICD-9 procedure code of 33.1 overrides the procedure code of 32.5.

**V) View Comments** – Allows comments regarding the code to be viewed. Displays specific comments pertaining to this code (i.e., instructions, procedures that should not be coded with this code and specific procedures that should be coded with this code) when the ICD-9 Procedure Codes Table, ^ricp, ICD-9 Procedure Codes subfile, Display Comment, Exclusion Comment, or Inclusion Comment field for the selected code is defined, and the code is not at the leaf (i.e., final) level. When the code is at the leaf level, the comments automatically display.

| Impact of Change | Edits and additions are effective immediately. |

### ICD10 Diagnosis

**Purpose**

Defines the ICD-10 diagnosis code(s) automatically associated with this problem. The ICD-10 diagnosis system is designed for the classification of morbidity and mortality information for statistical purposes. It is also used to index hospital records by disease and operations for data storage and retrieval.

**Input**

- **Add/Delete Editor**
  - **(C) Current**
  - ICD-10 diagnosis code
    - Enter the exact ICD-10 code as defined in the ICD-10 Diagnosis Codes Table, ^ricd10, ICD-10 Diagnosis Codes subfile
    - Partial code(s) match
      - Single selection
      - Links from the ICD-10 Diagnosis Codes Table, ^ricd10, ICD-10 Diagnosis Codes subfile
  - Lookup name
    - The lookup name must exactly match the name defined in the ICD-10 Diagnosis Codes Table, ^ricd10, ICD-10 Diagnosis Codes subfile, Lookup Name(s) field.
  - Partial word(s) match
    - Single selection
    - Links from the ICD-10 Diagnosis Codes Table, ^ricd10, ICD-10 Diagnosis Codes subfile
  - **(V) View Comments**
  - Expand
    - Single selection of an ICD-10 disease category
    - Links from the ICD-10 Diagnosis Codes Table, ^ricd10, Diagnosis Selection Tree subfile
      - Single selection of an ICD-10 diagnosis code
      - Links from the ICD-10 Diagnosis Codes Table, ^ricd10, Diagnosis Selection Tree subfile
ICD10 Diagnosis (Continued)

System Use

Allows a default ICD-10 diagnosis code(s) to display as an option on the problem list selection tree.

This option is used when multiple disorders of tooth development problems are selected from the problem list selection tree with an ICD-10 code definition of K00.4, the System defaults that ICD-10 diagnosis code in the Health Maintenance Record menu function, Problem Information Screen, ICD10 Diagnosis field for each selected problem.

**NOTE:** When the selected problem(s) has information defined in the Problem List Master Table, *nt("plm"), Problem Definition field, ICD10 Diagnosis subfield and the Default Information field, ICD10 Diagnosis subfield in this table, the System displays the default information defined in this table.

For example, the problem of disorders of tooth development has an ICD-10 diagnosis code of K00. When disorders of tooth development is selected from the problem list selection tree and a default ICD-10 diagnosis code of K00.2 is also selected, the ICD-9 diagnosis code of K00.2 overrides the diagnosis code of K00.

(V) View Comments – Allows specific comments regarding the code to be viewed. Displays specific comments pertaining to this code (i.e., instructions, diseases that should not be coded with this code and specific diseases that should be coded with this code) when the ICD-10 Diagnosis Codes Table, *ricd, ICD-10 Diagnosis Codes subfile, Display Comment, Exclusion Comment, or Inclusion Comment field for the selected code is defined, and the code is not at the leaf (i.e., final) level.

When the code is at the leaf level, the comments automatically display.

Impact of Change

Edits and additions are effective immediately.

CPT4

Purpose

Defines the CPT4 code(s) automatically associated with the problem(s). CPT-4 (Current Procedure Terminology) codes consist of a descriptive term and an identifying five-digit code for reporting medical services and procedures performed by physicians.

Input

Add/Delete Editor

- Single selection of a CPT-4 category

Single selection of a subsection

Chapter 9  Problem List Selection Tree Table, *nt("plt")

CPT4 (Continued)

- Single selection of a CPT code
  Enter modifier code(s)
  Expand
  - Multiple selection of modifier(s)
  - (C) Clear

Enter C with code (e.g., C90000)
Enter keyword(s)

System Use
Allows a default CPT-4 code(s) to display as an option on the problem list selection tree. This option is used when multiple problems are defined using the same CPT-4 code.

For example, when several respiratory problems are selected from the problem list selection tree with a CPT-4 code definition of 78599, the System defaults that CPT-4 code in the Health Maintenance Record menu function, Problem Information Screen, CPT4 field for each selected problem.

NOTE: When the selected problem(s) has information defined in the Problem List Master Table, *nt("plm"), Problem Definition field, CPT4 subfield and the Default Information field, CPT4 subfield in this table, the System displays the default information defined in this table.

For example, the problem of pneumonia has a CPT-4 code of 00524. When pneumonia is selected from the problem list selection tree and a default CPT-4 code of 01904 is also selected, the CPT-4 code of 01904 overrides the CPT-4 code of 00524.

Expand – Provides a list of CPT-4 modifier codes as defined in the Current Procedural Terminology (CPT) Table, *rcpt, Modifier Codes subfile.

(C) Clear – Removes all previously selected CPT-4 categories, subsections and codes.

Impact of Change
Edits and additions are effective immediately.

ACR

Purpose
Defines the ACR code(s) automatically associated with the problem(s). ACR (American College of Radiology) codes consist of an anatomical code followed by a pathological code, separated by a decimal.

Input
Add/Delete Editor
- Partial anatomical code
  Single selection of an anatomical code
  Links from the American College Of Radiology (ACR) Table, *racr, Anatomical Codes subfile
ACR (Continued)

- Single selection of pathological code
- Links from the American College Of Radiology (ACR) Table, *racr, Pathological Codes subfile
- (C) Current
  Fifth digit modifier
  (N) None
- Enter keyword

System Use

Allows an ACR code(s) to display as an option on the problem list selection tree. This option is used when multiple problems are defined using the same ACR code.

For example, when several respiratory problems are selected from the problem list selection tree with an ACR code 69.99, the System defaults that ACR code in the Health Maintenance Record menu function, Problem Information Screen, ACR field for each selected problem.

NOTE: When the selected problem(s) has information defined in the Problem List Master Table, ^nt("plm"), Problem Definition field, ACR subfield and the Default Information field, ACR subfield in this table, the System displays the default information defined in this table.

For example, the problem of pneumonia has an ACR code of 61.211.

When pneumonia is selected from the problem list selection tree and a default ACR code of 61.2516 is also selected, the ACR code of 61.2516 overrides the ACR code of 61.211.

(C) Current – Allows the user to code at a less specific level than defined in the American College Of Radiology (ACR) Table, *racr.

(N) None – The System does not select a fifth digit modifier for an ACR code.

Impact of Change

Edits and additions are effective immediately.

SNOMED

Purpose

Defines the SNOMED code(s) automatically associated with the problem(s). SNOMED is an acronym for Systematized Nomenclature of Medicine and consists of codes copyrighted by the College of American Pathologists (CAP). The SNOMED system is a classification of diseases, etiologies, functions, occupations, morphologies, procedures and topography.

Input

Add/Delete Editor

- Single selection of an axis
- Links from the SNOMED II File Table, *rsno2
  SNOMED code
  Must be prefixed with identifying letter (i.e., D, E, F, J, M, P, T)
  Partial word match
- Single selection of SNOMED code
- Links from the SNOMED II File Table, *rsno2, Codes subfile
### SNOMED (Continued)

**System Use**

Allows a SNOMED code(s) to display as an option on the problem list selection tree. This option is used when multiple problems are defined using the same SNOMED code.

For example, when several respiratory problems are selected from the problem list selection tree with a SNOMED code definition of **E-31520**, the System defaults that SNOMED code in the Health Maintenance Record menu function, Problem Information Screen, **SNOMED Code** field for each selected problem.

**NOTE:** When the selected problem(s) has information defined in the Problem List Master Table, `*nt(``plm```), Problem Definition field, SNOMED subfield and the Default Information field, SNOMED subfield in this table, the System displays the default information defined in this table.

For example, the problem of pneumonia has a SNOMED code of **D-01640**. When pneumonia is selected from the problem list selection tree and a default SNOMED code of **D-02410** is also selected, the SNOMED code of **D-02410** overrides the SNOMED code of **D-01640**.

| Impact of Change | Edits and additions are effective immediately. |

---

### Display Text

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the text that displays on the problem list selection tree.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Free-text</td>
</tr>
<tr>
<td></td>
<td>Greater than 50 characters is impractical for display purposes.</td>
</tr>
<tr>
<td></td>
<td>Required</td>
</tr>
<tr>
<td>System Use</td>
<td>Displays this text as an option on the problem list selection tree.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>
Chapter 10
Result Storage Category Table, \(^{\text{nt("rsc")}}\)

Overview
The Result Storage Category Table, \(^{\text{nt("rsc")}}\), allows Result Storage Options to be grouped together to speed trend displays. When the System stores trend data for an event, the data can also be stored in a result storage category for the given patient.

This result storage category contains the same data that is maintained in the trend file, but the System can access the data in the result storage category faster when displaying trends.

Table Attributes

| Table Relationship | Links TO Menu Functions FROM \(^{\text{nt("rsc")}}\):
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>✷ None</td>
</tr>
</tbody>
</table>
|                    | Links TO other Tables FROM \(^{\text{nt("rsc")}}\):
|                    | ✷ None                           |
|                    | Links FROM other Tables TO \(^{\text{nt("rsc")}}\):
|                    | ✷ Result Storage Table, \(^{\text{nt("rs")}}\) |

<table>
<thead>
<tr>
<th>Facility Specific?</th>
<th>No</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Database Standards</th>
<th>The database standards used to build/validate this table are described in the Category/Group/Profile chapter in the QuadraMed® CPR Database Standards Table Reference.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Table Organization</th>
<th>The Result Storage Category Table, (^{\text{nt(&quot;rsc&quot;)}}), is a single-level table. Once this table is accessed, the System prompts for a partial name. After a partial name has been entered, the System displays a list of matching Result Storage Category Options, if any. The usual Edit, Add, and Delete processing options are available.</th>
</tr>
</thead>
</table>
**Department Usage**

| Laboratory | The laboratory uses the result storage categories defined in this table to categorize groups of results for cumulative trend reporting. |
| Patient Care Services | Patient care services use the result storage categories defined in this table to quickly access trend displays of patient vital parameters (for example, temperature, pulse, respiration, and various pressures) for use as flowsheets. |

---

**Table Builder Definition Screen**

The following fields display on the Table Builder Definition Screen:

| Active? | Defines whether this result storage category is available to display trend data. |
| Purpose | Yes/No |
| System Use | Yes – Indicates this result storage category is available to display trend data. |
| Impact of Change | Edits and additions are effective immediately. |

---

**Result Storage Category Name**

| Purpose | Identifies the name of the result storage category. |
| Input | Free-text |
| System Use | Stores trend data in this result storage category record for the given patient. This result storage category record contains the same data that is maintained in the trend record of the Result Storage Table, ^nt("rs"), but is stored more efficiently for the trend display to access. |
| Impact of Change | Edits and additions are effective immediately. |
### Result Storage Category Short Name

**Purpose**
Identifies the name of the result storage category in abbreviated terms.

**Input**
Free-text
10 character limit

**System Use**
Currently not used

**Impact of Change**
None

### Result Storage Option(s)

**Purpose**
Defines the Result Storage Options included in this result storage category.

**Input**
Add/Delete Editor
- Partial name match
- Multiple selection
- Links from the Result Storage Table, \(^\text{nt}(\text{rs})\)

**System Use**
Groups the defined Result Storage Options to speed trend displays.

**Impact of Change**
Edits and additions are effective immediately.

### Alias Name(s)

**Purpose**
Identifies an alternate name(s) for the result storage category.

**Input**
Add/Delete Editor
- Free-text
- Greater than 60 characters is impractical for display purposes.

**System Use**
Provides an alternative method for identifying the result storage category. The alias name is used as an alternative index to identify the result storage name on both the user side and the builder side. When an alias name(s) is defined, the System displays the alias name with the result storage name in parentheses (for example, Indocin (Indomethacin Rx)).

**Impact of Change**
Edits and additions are effective immediately.
Chapter 11

Problem List Master Table, ^nt("plm")

Overview

The Problem List Master Table, ^nt("plm"), is used to define a standard enterprise-wide list of patient problems that can be used in the Health Maintenance Record menu function and the Problem List application. The predefined information contained in this table is used to build patient problem screens. Problem selection screens are defined in the Problem List Selection Tree Table, ^nt("plt"). This table provides the necessary tools to streamline the problem selection screen building process.

Table Attributes

<table>
<thead>
<tr>
<th>Table Relationship</th>
<th>Links TO Menu Functions FROM ^nt(&quot;plm&quot;):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>♦ Health Maintenance Record</td>
</tr>
<tr>
<td></td>
<td>♦ Problem List</td>
</tr>
<tr>
<td></td>
<td>♦ Problem List Selection Tree Table, ^nt(&quot;plt&quot;)</td>
</tr>
<tr>
<td>Links TO other Tables FROM ^nt(&quot;plm&quot;):</td>
<td>♦ Chart Review Group Table, ^nt(&quot;cg&quot;)</td>
</tr>
<tr>
<td></td>
<td>♦ Clinical Outcome Guideline Table, ^nt(&quot;cog&quot;)</td>
</tr>
<tr>
<td></td>
<td>♦ Current Procedural Terminology (CPT) Table, ^rcpt</td>
</tr>
<tr>
<td></td>
<td>♦ ICD-9 Diagnosis Codes Table, ^rcid</td>
</tr>
<tr>
<td></td>
<td>♦ ICD-9 Procedure Codes Table, ^ricp</td>
</tr>
<tr>
<td></td>
<td>♦ ICD-10 Diagnosis Codes Table, ^ricd10</td>
</tr>
<tr>
<td></td>
<td>♦ Problem List Classification Table, ^nt(&quot;plc&quot;)</td>
</tr>
<tr>
<td></td>
<td>♦ Selection Screen/Tree Table, ^nts</td>
</tr>
<tr>
<td></td>
<td>♦ System Parameter Table, ^%z</td>
</tr>
</tbody>
</table>

Facility Specific? No
### Table Organization

The **Problem List Master Table**, \(^{nt(\text{plm})}\), is a single-level table. Once this table is accessed, the System prompts for a partial problem word to be entered. Once a partial problem word has been entered, the System displays a list of previously defined Problem Options.

The usual **Edit**, **Add**, **Copy**, and **Delete** processing options are available.

### Department Usage

- **Cardiology** – Cardiologists use the information in this table to add patient problems in the health maintenance record.
- **Clinic** – Physicians in a clinic setting use the information in this table to add problems in the patient’s problem list.
- **Emergency** – Emergency room physicians use the information in this table to quickly add patient problems in the health maintenance record.
- **Medical Staff** – Physicians use the information in this table to add patient problems in the health maintenance record and to initiate clinical pathways.
- **Nursing** – Nurse practitioners use the information in this table to define the most common allied health problems encountered on each unit.
- **Physical Therapy** – Physical therapists use the information in this table to define the most common physical therapy problems.
- **Respiratory Care** – Respiratory care uses the information in this table to define the most common respiratory problems.
- **Social Services** – Social service workers use the information in this table to define the most common allied health problems encountered during case management.
- **Surgery** – Surgeons use the information in this table to add a patient’s medical problems.

### Table Builder Definition Screen

The following fields display on the Table Builder Definition Screen:

#### Active?

**Purpose**

Defines whether this option displays for selection in menu functions and in other tables.

**Input**

Yes/No

Defaults to yes

**System Use**

- **Yes** – Indicates the option is available. The option displays for selection in menu functions and in other tables.
- **No** – Indicates the option is inactive. The option displays in dim text in the table and does not display for selection in menu functions or other tables.

**Impact of Change**

Edits and additions are effective immediately.
# Problem Name

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Identifies the name of the problem.</th>
</tr>
</thead>
</table>

## Input

100 character limit, although greater than 50 is impractical for display purposes.

The use of three underscore characters (____) within the text activates additional question processing (AQP). Additional question processing is used to indicate where data, in a fill-in-the-blank mode, can be entered in order to further define a problem. For example, a problem of **asthma** can be further defined to include the type **adult onset** when the additional question **type** option is defined as **free text** in this table (for example, **asthma____**). The data that can be entered in response to additional question processing is controlled by the additional question processing parameters defined in this field.

- Single selection from the following hard coded AQP options:
  - Numeric (integer)
  - Numeric (floating point)
  - Free-text
  - Date
  - Date/Time
  - Time
  - Choose
  - Hard-coded selection screen
  - Selection screen/tree

## System Use

Uses this name to identify a patient's problem in various places in the **Health Maintenance Record** menu function and/or the **Active Problem(s)** data element during problem processing if no code is defined. If a code is defined, the name is updated with the description of the code selected. The areas where this name displays in the **Healthcare Maintenance Record** menu function and/or the **Active Problem(s)** data element include:

- Health Maintenance Record Summary Screen, **Problem** column
- **Health Maintenance Record** menu function, Problem Information Screen, **Problem** field.

Displays this name for selection in the **Health Maintenance Record** menu function, Problem Information Screen, **Problem** field when a partial name is entered to identify a problem.

Displays this name in the **Problem List Selection Tree Table, ^nt("plt")**, Selection Tree Line Definition level, **Problem(s)** field, when a partial name is entered to identify a problem.

Displays this name in the following areas in the **Problem List** application:

- Problem List tab, **Problem Column**
- **Problem Sets** tab, **Problem Set Search Filter**

### Additional Question Processing Options:

**NOTE:** Additional Question Processing is used only when adding a problem in the **Health Maintenance Record** menu function or **Active Problem(s)** data elements and is not applicable to the **Problem List** application.
Problem Name (Continued)

- **Numeric (integer)** – Allows an integer (for example, 10) to be entered on the user side. Displays the following subfields for definition:
  - Message Modifier
  - Low Range
  - High Range

- **Numeric (floating point)** – Allows a floating point number (for example, 10.2) to be entered on the user side. Displays the following subfields for definition:
  - Message Modifier
  - Low Range
  - High Range

- **Free-text** – Allow comments or other unformatted data to be entered. Displays the Message Modifier subfield for definition.

- **Date** – Allows a date to be entered in standard date format (for example, 10 May 1997, 5/10/97, t+2d). Displays the following subfields for definition:
  - Message Modifier
  - Allow Approximate?

- **Date/Time** – Allows a date and time to be entered in standard date/time format (for example, 10 May 1997 1200, 5/10/97 1200, now). When only a time is entered, the System defaults the current date. Displays the following subfields for definition:
  - Message Modifier
  - Allow Approximate?

- **Time** – Allows a time to be entered in standard time format (for example, 1100). Displays the following subfields for definition:
  - Message Modifier
  - Allow Approximates?

- **Choose** – Allows a single letter that represents an option on the transaction line to be entered. Displays the following subfields for definition:
  - Prompt
  - Choose Value

- **Hard-coded selection screen** – Allows data to be entered by selecting an item from a user-defined list of options. Displays the following subfields for definition:
  - Message Modifier
  - Display Text

- **Selection screen/tree** – Allows data to be entered by selecting an item(s) from a list of options. Displays the following subfields for definition:
  - Message Modifier
  - Screen Type/Name
  - Window Preference
  - Multi-Select?
  - Allow Free-Text?

Impact of Change

Edits and additions are effective immediately.
### Message Modifier

**Purpose**
Defines the text that completes the transaction line when answering additional question processing on the user side. In some instances, the message modifier also provides a header to a selection list. This subfield displays when the additional question is defined using a **numeric (integer)**, **numeric (floating point)**, **free-text**, **date**, **date/time**, **time**, **hard-coded selection screen**, or **selection screen/tree** option.

**Input**
- Free-text
  - Greater than 50 characters is impractical for display purposes.
  - Required

**System Use**
Displays this text as part of the transaction line when the System prompts for completion of the additional question.

**Impact of Change**
Edits and additions are effective immediately.

### Low Range

**Purpose**
Defines the lowest acceptable value that can be entered when answering additional question processing on the user side. This feature is designed to avoid keyed input errors. This subfield displays only when the additional question is defined using the **numeric (integer)** or **numeric (floating point)** option.

**Input**
- Integer or floating point (depending on selected option)

**System Use**
Uses this subfield in conjunction with the **High Range** subfield to determine the acceptability of the entered value. When the value is not within the defined low and high range, the System displays an **Error: Entry out of range!** message.

When this subfield is not defined, the System disables low value checking.

**Impact of Change**
Edits and additions are effective immediately.

### High Range

**Purpose**
Defines the highest acceptable value that can be entered when answering additional question processing on the user side. This feature is designed to avoid keyed input errors. This subfield displays only when the additional question is defined using the **numeric (integer)** or **numeric (floating point)** option.

**Input**
- Integer or floating point (depending on selected option)
### High Range (Continued)

| System Use | Uses this subfield in conjunction with the Low Range subfield to determine the acceptability of the entered value. When the value is not within the defined low and high range, the System displays an Error: Entry out of range! message. When this subfield is not defined, the high range is 999,999,999,999,999. |
| Impact of Change | Edits and additions are effective immediately. |

#### Allow Approximate

| Purpose | Defines whether an approximate date and/or time can be entered when answering additional question processing on the user side. This subfield displays only when the additional question is defined using the date, date/time, or time option. |
| Input | Yes/No |
| System Use | Yes – Indicates approximate dates/times can be entered. The System accepts the date/time prefixed by a tilde (~), indicating an approximate date/time. When approximate dates/times are allowed, entering a time is optional. In addition, when a month offset is entered with the t (today) atom (for example, t+3m), the System displays only the month and year. Similarly, when a year offset is entered (for example, t+2y), only the year displays (for example, 2001). When only a time is entered that can be either a time or a date, the System displays the time in the possible formats and prompts the user to select a date/time. For example, when 0915 is entered, the System displays the <current date> 0915 and Thu, 15 Sep 2001 options and prompts for one to be selected. No – Indicates approximate dates and/or times are not allowed. The System allows only exact (that is, absolute) dates to be entered (for example, 17 December 2001 0800). In this case when 0915 is entered, the System displays <current date> 0915. |
| Impact of Change | Edits and additions are effective immediately. |

#### Prompt

| Purpose | Defines the text that displays as the transaction line when answering additional question processing on the user side. This subfield displays only when the additional question is defined using the choose option. |
| Input | Free-text |
| Greater than 50 characters is impractical for display purposes. |
Prompt (Continued)

System Use Displays this text as the transaction line when the System prompts for completion of the additional question. Each defined option should be reflected in the transaction line (that is, prompt) as a descriptor/letter pair. For example, when the following choose values are defined:

<table>
<thead>
<tr>
<th>VALUE</th>
<th>DISPLAY TEXT</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>alpha</td>
</tr>
<tr>
<td>B</td>
<td>beta</td>
</tr>
</tbody>
</table>

The transaction line in the Prompt subfield could be defined as follows:

Choose alpha(A) or beta(B)

Alternatively, when the choose values are defined for a yes/no field:

<table>
<thead>
<tr>
<th>VALUE</th>
<th>DISPLAY TEXT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>yes</td>
</tr>
<tr>
<td>N</td>
<td>no</td>
</tr>
</tbody>
</table>

The transaction line in the Prompt subfield should be defined as follows:

Patient responding?

Impact of Change Edits and additions are effective immediately.

Choose Values

Purpose Defines the character value(s) accepted as input when answering additional question processing on the user side. This subfield displays only when the additional question is defined using the choose option.

Input Add/Delete Editor

- Value
  - Alphabetic character
    - Each alphabetic character must be unique
  - Display text
    - Free-text
    - Greater than 20 characters is impractical for display purposes.

Required
Choose Values  (Continued)

System Use  

**Value** – Determines the alphabetic character used to define an allowable option. The user can enter the selection letter as either upper or lower case. The System capitalizes all lower case entries.

**Display text** – Determines the text associated with the choose option that displays when the associated character value is chosen. Each defined option should be reflected in the transaction line (that is, prompt) as a descriptor/letter pair. For example, when the following choose values are defined:

<table>
<thead>
<tr>
<th>VALUE</th>
<th>DISPLAY TEXT</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>alpha</td>
</tr>
<tr>
<td>B</td>
<td>beta</td>
</tr>
</tbody>
</table>

The transaction line in the **Prompt** subfield should be defined as follows:

**Choose alpha(A) or beta(B)**

Alternatively, when the choose values are defined for a yes/no field:

<table>
<thead>
<tr>
<th>VALUE</th>
<th>DISPLAY TEXT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>yes</td>
</tr>
<tr>
<td>N</td>
<td>no</td>
</tr>
</tbody>
</table>

The transaction line in the **Prompt** subfield could be defined as follows:

**Patient responding?**

**Impact of Change**  
Edits and additions are effective immediately.

---

**Display Text**

**Purpose**  
Defines the text describing the options that display for selection when answering additional question processing. This subfield displays only when the additional question is defined using the **hard-coded selection screen** option.

**Input**  
Insert/Delete Editor

- Free-text
- Greater than 50 characters is impractical for display purposes.

**System Use**  
Displays this text in association with the value selected when answering additional question processing.

**Impact of Change**  
Edits and additions are effective immediately.
### Screen Type/Name

**Purpose**
Defines the selection screen/tree that displays when answering additional question processing on the user side. This subfield displays only when the additional question is defined using the *selection screen/tree* option.

**Input**

- **(S) Select Screen**
  - Partial name match
  - Single selection
  - Links from the *Selection Screen/Tree Table, ^nts*, Miscellaneous subfile, Selection Screens sub-subfile

- **(T) Tree**
  - Partial name match
  - Single selection
  - Links from the *Selection Screen/Tree Table, ^nts*, Miscellaneous subfile, Selection Trees sub-subfile

**System Use**

- **(S) Select Screen** – Displays this selection screen when adding a problem in the Health Maintenance Record.
- **(T) Tree** – Displays this selection tree when adding a problem in the Health Maintenance Record.

**Impact of Change**
Edits and additions are effective immediately.

### Window Preference

**Purpose**
Defines the amount of screen space (that is, window) allotted to display the selection screen/tree.

This subfield displays only when the additional question is defined using the *selection screen/tree* option.

**Input**

- **(E) Entire Screen**
  - Defaults to *Entire Screen*
  - Any number greater than 16 is the same as choosing *(E) Entire Screen*
### Window Preference (Continued)

| System Use | Displays the selection screen/tree in a window the number of lines defined in this field. Lines are counted from the first line above the bottom of the screen.  

The optimal window size is the smallest window that properly displays the contents of the selection screen/tree on one screen. The effect of varying window sizes can be seen by clicking (V) View Actual Display in the Selection Screen/Tree Table, ^nts, Miscellaneous subfile, Selection Screens or Selection Trees sub-subfile, Selection Screen Definition or Selection Tree Definition level.  

**(E) Entire Screen** – Uses the entire screen to display the selection screen/tree.  

When the selection screen/tree does not fit in the window preference size, the selection screen/tree displays on multiple pages. |
| Impact of Change | Edits and additions are effective immediately. |

### Multi-Select?

| Purpose | Defines whether multiple options can be selected from the selection screen/tree. This subfield displays only when the additional question is defined using the selection screen/tree option. |
| Input | Yes/No  

Defaults to no |
| System Use | **Yes** – Allows multiple options to be selected. By convention, when multiple selections are allowed, the descriptor in the message modifier should be suffixed with an (s) to indicate multiple selections are available.  

**No** – Allows only one option to be selected. |
| Impact of Change | Edits and additions are effective immediately. |

### Allow Free-Text?

| Purpose | Defines whether free-text data can be entered when completing the additional question in place of or in addition to selecting an option from the selection screen/tree. This field displays only when the additional question is defined using the selection screen/tree option. |
| Input | Yes/No  

Defaults to no |
Allow Free-Text? (Continued)

| System Use | Yes – Allows free-text data to be entered when completing the additional question in addition to selecting an option from the selection screen/tree. For example, an option number may be selected from the selection screen/tree, followed by a comma and free-text data: (for example, 1, rare occurrences). By convention, when free-text data is allowed, the phrase or Enter free-text should be added to the message modifier to indicate free-text data can be entered.

| No – Indicates free-text data cannot be entered when completing the additional question. When free-text data is entered, the System displays an Error: Invalid format for this field! message. |

| Impact of Change | Edits and additions are effective immediately. |

Aliases

| Purpose | Defines alternative names by which the problem can be accessed. |

| Input | Add/Delete Editor

| Free-text

| Greater than 50 characters is impractical for display purposes. |

| System Use | Provides an alternative method for identifying the problem. The alias name is used as an alternative index to identify the problem. When an alias name is defined for a problem, the System displays the alias name with the problem name in parentheses (for example, MI (Myocardial Infarction)). Displays the same problem for selection multiple times on the list of Problem Options in this table and in the Health Maintenance Record. The problem displays in alphabetical order using the alias name with the problem name in parentheses and also as the problem name without the alias. |

| Impact of Change | Edits and additions are effective immediately. Affects the way in which a problem can be identified during problem processing. |

Problem Definition

| Purpose | Defines a complete description of the problem. |

| Input | Displays the following subfields for definition:

| Onset Date

| Start Date

| Stop Date

| Classification(s)

| Clinical Pathway(s) |
### Problem Definition (Continued)

- **Auto Review**
- **ICD9 Diagnosis**
- **ICD9 Procedure**
- **ICD10 Diagnosis**
- **CPT4**
- **CMV Diagnosis**

**System Use**

Defaults this information into the appropriate fields on the **Health Maintenance Record** menu function, Problem Information Screen, when this problem is defined for a patient.

**Impact of Change**

Edits and additions are effective immediately.

---

### Onset Date

**Purpose**

Defines the date the problem began.

**Input**

Relative date (for example, t, t-1)

**System Use**

Defaults this date into the **Health Maintenance Record** menu function, Problem Information Screen, **Onset Date** field when this problem is defined for a patient.

Defaults this date into the **Problem List** application, Problem List Edit Window, **Onset Date** field/pull-down window when this problem is defined for a patient.

When no date is defined, the System defaults the current date.

**Impact of Change**

Edits and additions are effective immediately.

---

### Start Date

**Purpose**

Defines the date the provider began following the problem.

**Input**

Relative date (for example, t, t-1)

**System Use**

Defaults this date into the **Health Maintenance Record** menu function, Problem Information Screen, **Start Date** field when this problem is defined for a patient.

When no date is defined, the System defaults the current date.

**Impact of Change**

Edits and additions are effective immediately.
## Stop Date

**Purpose**
Defines the date the problem was resolved or when following the problem was discontinued.

**Input**
Relative date (for example, t, t-1)

Stop Date must be equal to or later than the Start Date.

**System Use**
Defaults this date into the Health Maintenance Record menu function, Problem Information Screen, Stop Date field when this problem is defined for a patient.

Defaults this date into the Problem List application, Problem List Edit Window, Stop Date field/pull-down window when this problem is defined for a patient.

Automatically statuses the problem as resolved on this date.

**Impact of Change**
Edits and additions are effective immediately.

## Classification(s)

**Purpose**
Defines the classification(s) (for example, medical, nursing, behavioral health and so on) associated with this problem. Classification is a method of sorting problems by their clinical category and/or degree of severity.

**Input**
Add/Delete Editor
- Multiple selection
- Links from the Problem List Classification Table, nt(“plc”)

**System Use**
Defaults this classification into the Health Maintenance Record menu function, Problem Information Screen, Classification(s) field when this problem is defined for a patient.

Defaults a checkmark next to this classification in the Problem List application, Problem List Edit Window, Classification(s) Sub-window when the classification is defined to display in the Desktop Application Table, at(“dta”), Problem List Desktop Application Class, Non-Facility Parameters field, Problem Classification(s) subfield.

Problem classifications determine the order in which a primary problem displays on the patient’s problem list, and allows the patient’s problem list to be reviewed and accessed according to classification. User views of the Problem List application can be further limited by classification securities.

Determines problems that can be viewed in Misys Connect.

**Impact of Change**
Edits and additions are effective immediately.
### Clinical Pathway(s)

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the clinical outcome guidelines associated with this problem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Add/Delete Editor&lt;br&gt;• Partial word match&lt;br&gt;Single selection&lt;br&gt;Links from the Clinical Outcome Guideline Table, &quot;nt(&quot;cog&quot;)</td>
</tr>
<tr>
<td>System Use</td>
<td>Defaults this clinical pathway into the Health Maintenance Record menu function, Problem Information Screen, Clinical Pathway(s) field when this problem is defined for a patient.&lt;br&gt;When this field not defined, the Health Maintenance Record menu function, Problem Information Screen, Clinical Pathway(s) field is starred out (*** ) and inaccessible to the user.&lt;br&gt;Initiates the clinical pathway (that is, a patient care protocol specific to a problem).&lt;br&gt;Clinical pathways allow care practitioners to administer patient care on a pre-defined basis, intervene when orders or procedures are not performed, and to measure outcomes easily and effectively.&lt;br&gt;Clinical pathways are described in the Clinical Outcome Guidelines Case Management menu function.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

### Auto Review

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the data review group(s) that displays for selection in association with this problem in the Health Maintenance Record menu function.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Add/Delete Editor&lt;br&gt;• Partial name match&lt;br&gt;Multiple selection&lt;br&gt;Links from the Chart Review Group Table, &quot;nt (&quot;cg&quot;), Data Review Groups subfile</td>
</tr>
<tr>
<td>System Use</td>
<td>Allows the data associated with this data review group(s) to be reviewed by clicking (D) Review Related Data from the Health Maintenance Record menu function, Problem History Screen.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>
ICD9 Diagnosis

Purpose
Defines the ICD-9-CM diagnosis code(s) automatically associated with this problem. ICD-9-CM diagnosis codes consist of codes used in the International Classification of Diseases Clinical Modification. The ICD-9-CM diagnosis system is designed for the classification of morbidity and mortality information for statistical purposes. It is also used for indexing of hospital records by disease and operations for data storage and retrieval.

Input
Add/Delete Editor
- ICD-9-CM diagnosis code
  - Enter the exact ICD-9-CM code as defined in the ICD-9 Diagnosis Codes Table, ^ricd, ICD-9 Diagnosis Codes subfile
  - Partial code(s) match
    - Single selection
    - Links from the ICD-9 Diagnosis Codes Table, ^ricd, ICD-9 Diagnosis Codes subfile
  - Lookup name
    - The lookup name must exactly match the name defined in the ICD-9 Diagnosis Codes Table, ^ricd, ICD-9 Diagnosis Codes subfile, Lookup Name(s) field.
  - Partial word(s) match
    - Single selection
    - Links from the ICD-9 Diagnosis Codes Table, ^ricd, ICD-9 Diagnosis Codes subfile
  - (V) View Comments
  - Expand
    - Single selection of an ICD-9-CM disease category
    - Links from the ICD-9 Diagnosis Codes Table, ^ricd, Diagnosis Selection Tree subfile
    - Single selection of an ICD-9-CM diagnosis code
    - Links from the ICD-9 Diagnosis Codes Table, ^ricd, Diagnosis Selection Tree subfile
    - (R) Lookup By Range

System Use
Displays this ICD-9-CM Diagnosis code in the Health Maintenance Record menu function, Problem Information Screen, ICD9 Diagnosis field when this problem is defined for a patient and the ICD-9 diagnosis coding scheme is allowed in the Health Maintenance Record menu function, Problem Type push parameter, Coding Scheme(s) field. Displays in the Problem List application, Problem List Edit Window, Codes tab.

(V) View Comments – Allows comments regarding the code to be viewed. Displays specific comments pertaining to this code (that is, instructions, diseases that should not be coded with this code and specific diseases that should be coded with this code) when the ICD-9 Diagnosis Codes Table, ^ricd, ICD-9 Diagnosis Codes subfile, Display Comment, Exclusion Comment, or Inclusion Comment field for the selected code is defined, and the code is not at the leaf (that is, final) level. When the code is at the leaf level, the comments automatically display.
Expand – Provides a list of ICD-9-CM disease categories as defined in the ICD-9 Diagnosis Codes Table, ^ricd, Diagnosis Selection Tree subfile.
ICD9 Diagnosis (Continued)

(R) Lookup By Range – Allows a lower and upper range code number to be specified to search for ICD9 Diagnosis Codes. The System accumulates the active codes between the ranges. The user can edit a previously defined codes.

When multiple codes are linked for a problem, a multiple code selection screen displays on the user side when defining a new problem for a patient or updating an inactive/invalid problem code.

Impact of Change Edits and additions are effective immediately.

ICD9 Procedure

Purpose Defines the ICD-9-CM procedure code(s) automatically associated with this problem. ICD-9-CM procedure code(s) consists of codes used in the International Classification of Diseases Clinical Modification. ICD-9-CM procedure system is designed for the classification of morbidity and mortality information for statistical purposes. It is also used for the indexing of hospital records by disease and operations for data storage and retrieval.

Input Add/Delete Editor

- ICD-9-CM procedure code
  Enter the exact ICD-9-CM procedure as defined in the ICD-9 Procedure Codes Table, *ricp, ICD-9 Procedure Codes subfile
  - Partial code(s) match
    Single selection
    Links from the ICD-9 Procedure Codes Table, *ricp, ICD-9 Procedure Codes subfile
  - (V) View Comments
- Lookup name
  The lookup name must exactly match the name defined in the ICD-9 Procedure Codes Table, *ricp, ICD-9 Procedure Codes subfile, Lookup Name(s) field.
  - Partial word(s) match
    Single selection
    Links from the ICD-9 Procedure Codes Table, *ricp, ICD-9 Procedure Codes subfile
  - (V) View Comments
- Expand
  Single selection of an ICD-9-CM procedure category
  Links from the ICD-9 Procedure Codes Table, *ricp, Procedure Selection Tree subfile
  - Single selection of an ICD-9-CM procedure code
  - Links from the ICD-9 Procedure Codes Table, *ricp, Procedure Selection Tree subfile

Displays this ICD-9-CM Procedure code in the Health Maintenance Record menu function, Problem Information Screen, ICD9 Procedure field, when this problem is defined for a patient and the ICD-9 procedure coding scheme is allowed in the Health Maintenance Record menu function, Problem Type push parameter, Coding Scheme(s) field.
### ICD9 Procedure (Continued)

**System Use**

(V) View Comments – Allows comments regarding the code to be viewed. Displays specific comments pertaining to this code (that is, instructions, procedures that should not be coded with this code and specific procedures that should be coded with this code) when the ICD-9 Procedure Codes Table, *ricp*, ICD-9 Procedure Codes subfile, Display Comment, Exclusion Comment, or Inclusion Comment field for the selected code is defined, and the code is not at the leaf (that is, final) level. When the code is at the leaf level, the comments automatically display.

Expand – Provides a list of ICD-9-CM procedure categories as defined in the ICD-9 Procedure Codes Table, *ricp*, Procedure Selection Tree subfile.

**Impact of Change**

Edits and additions are effective immediately.

### ICD10 Diagnosis

**Purpose**

Defines the ICD-10 diagnosis code(s) automatically associated with this problem. The ICD-10 diagnosis system is designed for the classification of morbidity and mortality information for statistical purposes. It is also used to index hospital records by disease and operations for data storage and retrieval.

**Input**

Add/Delete Editor

- ICD-10 diagnosis code
  
  Enter the exact ICD-10 code as defined in the ICD-10 Diagnosis Codes Table, *ricd10*, ICD-10 Diagnosis Codes subfile
  
  Partial code(s) match
  
  - Single selection
  
  - Links from the ICD-10 Diagnosis Codes Table, *ricd10*, ICD-10 Diagnosis Codes subfile

- Lookup name
  
  The lookup name must exactly match the name defined in the ICD-10 Diagnosis Codes Table, *ricd10*, ICD-10 Diagnosis Codes subfile, Lookup Name(s) field.
  
- Partial word(s) match
  
  Single selection
  
  Links from the ICD-10 Diagnosis Codes Table, *ricd10*, ICD-10 Diagnosis Codes subfile

(V) View Comments

- Expand
  
  Single selection of an ICD-10 disease category
  
  Links from the ICD-10 Diagnosis Codes Table, *ricd10*, Diagnosis Selection Tree subfile
  
  - Single selection of an ICD-10 diagnosis code
  
  - Links from the ICD-10 Diagnosis Codes Table, *ricd10*, Diagnosis Selection Tree subfile
ICD10 Diagnosis  (Continued)

System Use Displays this ICD-10 Diagnosis code in the Health Maintenance Record menu function, Problem Information Screen, ICD10 Diagnosis field when this problem is defined for a patient and the ICD-10 diagnosis coding scheme is allowed in the Health Maintenance Record menu function, Problem Type push parameter, Coding Scheme(s) field.

(V) View Comments – Allows comments regarding the code to be viewed. Displays specific comments pertaining to this code (that is, instructions, diseases that should not be coded with this code and specific diseases that should be coded with this code) when the ICD-10 Diagnosis Codes Table, *ricd, ICD-10 Diagnosis Codes subfile, Display Comment, Exclusion Comment, or Inclusion Comment field for the selected code is defined, and the code is not at the leaf (that is, final) level. When the code is at the leaf level, the comments automatically display.

Expand – Provides a list of ICD-10 disease categories as defined in the ICD-10 Diagnosis Codes Table, *ricd10, Diagnosis Selection Tree subfile.

Impact of Change Edits and additions are effective immediately.

CPT4

Purpose Defines the CPT-4 code(s) automatically associated with this problem. CPT-4 (Physicians’ Current Procedural Terminology, Fourth Edition) codes are a systematic listing and coding of procedures and services performed by physicians. Each procedure or service is identified with a five-digit code. With this coding and recording system, the procedure or service rendered by the physician is accurately identified.

Input Add/Delete Editor

◆ Category
  Single selection of a CPT-4 category
  ◆ Single selection of a CPT-4 subsection
    Single selection of CPT code
    Multiple selection of a modifier code(s)
    Enter the exact modifier code as defined in the Current Procedural Terminology (CPT) Table, *rcpt, Modifier codes subfile
    Expand
    (C) Clear
    ◆ CPT (C) with code
      Enter C and the CPT code, as defined in the Current Procedural Terminology (CPT) Table, *rcpt, CPT Selection Tree subfile (for example, C90000).
    ◆ Enter keywords
# CPT4 (Continued)

<table>
<thead>
<tr>
<th>System Use</th>
<th>Defaults this CPT-4 code into the Health Maintenance Record menu function, Problem Information Screen, CPT-4 field, when this problem is defined for a patient and the CPT-4 coding scheme is allowed in the Health Maintenance Record menu function, Problem Type push parameter, Coding Scheme(s) field.</th>
</tr>
</thead>
</table>
|            | **(C) Clear** – Removes all previously selected CPT-4 categories, subsections, and codes.  
**Expand** – Provides a list of CPT Modifier Options as defined in the Current Procedural Terminology (CPT) Table, *rcpt*, Modifier codes subfile. |
| Impact of Change | Edits and additions are effective immediately. |

## CMV Diagnosis

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the controlled medical vocabulary code(s) associated to a problem.</th>
</tr>
</thead>
</table>
| Input   | Add/Delete Editor  
- Single selection  
- Partial word search  
- Multiple selection  
- Links from the System Parameter Table, ^%z, Order Comm System Parameters subfile, System-specific level, Miscellaneous Parameters Screen, Problem List Parameters field, Problem List Add Coding Scheme subfield.  
- Accesses the controlled medical vocabulary application database  
**(C) Direct Code Search**  
- Partial code search  
- When performing a partial name search enter at least two numbers prior to the dash (for example, 215-)  
- Multiple selection  
- Accesses the controlled medical vocabulary application database |

| System Use | Allows capturing of a controlled medical vocabulary diagnosis that can be associated with a patient’s problem. Allows definition of multiple codes from multiple coding schemes.  
Displays the multiple codes defined in this subfield for selection when a problem is added in the Active Problem(s) data element, Health Maintenance Record menu function and Problem List application.  
**(C) Direct Code Search** – Allows multiple codes to be entered and selected.  
When multiple codes are linked to a problem, a multiple code selection screen displays on the user side when defining a new problem for a patient or updating an inactive/invalid problem code. |
| Impact of Change | Edits and additions are effective immediately. |
## Associated Problem(s)

**Purpose**
Defines a list of problems that can be associated with the current problem.

**Input**
Add/Delete Editor
- Partial word match
  - Single selection
  - Links from the Problem Options list in this table
- Auto Resolve
  - Yes/No
  - Defaults to no

**System Use**
Displays this name(s) for selection in the Health Maintenance Record menu function, Health Maintenance Record Summary Screen, when the (E) Evolve button is clicked and this name(s) is associated to the current problem.

- **Yes** – Allows the System to automatically resolve the problem (for example, the problem of pregnancy evolves to delivery, which resolves the problem).
- **No** – Indicates the problem is not be automatically resolved.

**Impact of Change**
Edits and additions are effective immediately.

## Interface Code

**Purpose**
Defines the information that can be transmitted to another system.

**Input**
When a screen driver is not defined for the table, the input for this field is entered as free-text. The ASCII key can be used to generate non-printable characters.

**System Use**
Passes the information defined in this field to another system that interacts with the QuadraMed CPR System.

  - Determines how the System interprets data received from another system.

**Impact of Change**
Edits and additions are effective immediately.
Chapter 12

Duplicate Code/CMV Group Table, \(^{nt}(“dcg”)\)

Overview

The *Duplicate Code/CMV Group Table, \(^{nt}(“dcg”)\)*, is a user-defined table used to define diagnosis-based groups of codes. The System checks codes defined in this table against the codes already defined for a patient’s problem.

Process Flow

During problem add in the *Problem List* application, *Health Maintenance Record* menu function, and *Active Problem(s)* data element, the System checks against codes previously defined in the Problem List for possible duplicates. Only active problems are checked for duplicate codes (active problems have a status of *active* or *rule out*). The System checks for duplicate codes only for those problems that the user has security to view based on classification.

When a duplicate code is detected, the System displays a warning message. The System displays a list of all codes defined for the patient and prompts the user to add the duplicate problem. The user must respond to continue processing. When the user chooses to create a duplicate problem, the System displays the *Problem List* application, *Health Maintenance Record* menu function, or *Active Problem(s)* data element Problem Edit Screen for definition. When the user chooses not to create a duplicate problem, the System returns the user to the previous screen.
Table Attributes

<table>
<thead>
<tr>
<th>Table Relationship</th>
<th>Links FROM other Tables TO (^{nt(&quot;dcg&quot;)}:)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>IC-9 Diagnosis Codes Table, (^{rdc})</td>
</tr>
</tbody>
</table>

| Facility Specific? | No |

| Table Organization | The Duplicate Code/CMV Group Table, \(^{nt("dcg")}\), is a single-level table. Once this table is accessed, the System prompts the user to select a duplicate code/CMV group to edit. The usual **Add** and **Delete** processing options are also available. |

Table Builder Definition Screen
The following fields display on the Table Builder Definition Screen:

**Active?**

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines whether this option displays for selection in applications, menu functions, and in other tables.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Yes/No</td>
</tr>
<tr>
<td></td>
<td>Defaults to yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>System Use</th>
<th><strong>Yes</strong> – Indicates the option is available and displays for selection in applications, menu functions, and other tables.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>No</strong> – Indicates the option is inactive. The option name displays in dim text in the table and does not display for selection in applications, menu functions, or other tables.</td>
</tr>
</tbody>
</table>

| Impact of Change | Edits and additions are effective immediately. |

**Duplicate Group Name**

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the name of the duplicate code/CMV group.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Free text</td>
</tr>
<tr>
<td></td>
<td>Greater than 100 characters is not recommended for display purposes.</td>
</tr>
<tr>
<td></td>
<td>Required</td>
</tr>
</tbody>
</table>

| System Use | Displays this group name in the table when the user chooses to create a duplicate problem. |
| Impact of Change | Edits and additions are effective immediately. |
## ICD9 Diagnosis

**Purpose**
Defines the ICD-9 Diagnosis codes associated with this duplicate code group.

**Input**
Add/Delete Editor
- Enter ICD9 diagnosis code, lookup name, or partial name lookup
- Links from the ICD-9 Diagnosis Codes Table, \(^{nt} \text{ricd}\)
- (R) Lookup by Range
- Expand

**System Use**
Displays the ICD-9 Diagnosis codes associated with this duplicate code group. This field displays only when the ICD-9 Diagnosis code is defined in the System Parameter Table, \(^{nt} \%z\), Order Comm System Parameters subfile, System-specific level, Miscellaneous Parameters Screen, Problem List Parameters field, Problem List Add Coding Scheme field.

(R) Lookup By Range – When an ICD-9 diagnosis coding scheme is selected, the System allows a lower and upper range code to be specified. The System accumulates the active codes between the ranges. The user can edit a previously defined range of codes. The System checks for inactive codes in the range and inactivates any codes linked to this field (for codes inactivated in the ICD-9 Diagnosis Codes Table, \(^{nt} \text{ricd}\)). For example, if the Diabetes problem (with the ICD-9 Diagnosis code of 250.1) is selected from the Problem List application, Problem Sets tab, the System checks the 42 active ICD-9 Diagnosis codes between 250 to 250.93 linked to this field against the codes linked to the problems in the Problem List.

Expand – Allows a code to be specified from a list of code categories.

**Impact of Change**
Edits and additions are effective immediately.

## CMV Diagnosis

**Purpose**
Defines Controlled Medical Vocabulary (CMV) diagnosis codes associated with this duplicate code group.

**Input**
Add/Delete Editor
- Single selection
- Links from the codes defined in a customer-specific table
  Partial name search
  (C) Direct Code Search

**System Use**
Displays CMV diagnosis codes associated with this duplicate code group. The System checks the active codes linked to this field to determine if a duplicate code exists.

(C) Direct Code Search – Allows diagnosis codes to be specified by code.

**Impact of Change**
Edits and additions are effective immediately.
Chapter 13

Multimedia Object Catalogue Table, ^mmt("oc")

Overview

The Multimedia Object Catalogue Table, ^mmt("oc"), is used to define multimedia catalogue objects. Users can default scanned/photographic image(s) (i.e., multimedia catalog objects) into an order profile during order entry, a result/assessment profile during documentation, or into a registration/visit screen during registration processing. One or more multimedia catalogue objects can be defaulted into a list of predefined objects that can be selected from within the Media Manager client application.

For example, the user can predefine multimedia objects (i.e., anatomy images on which a physician can mark an area of concern, etc.) for use in order processing. Multimedia catalogue objects can default into the Multimedia data element within the following QuadraMed CPR applications:

- Order Entry
- Result or assessment documentation
- Registration, visit and insurance processing

This table allows the user to edit existing multimedia catalogue objects or to capture new ones. The multimedia catalogue objects defined in this table display in the field created from the Multimedia data element.
## Table Attributes

<table>
<thead>
<tr>
<th>Table Relationship</th>
<th>Links TO other Tables FROM <code>^mmt(&quot;oc&quot;)</code>:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>- Assessment Category/Data Element Table, <code>^nt(&quot;ac&quot;)</code></td>
</tr>
<tr>
<td></td>
<td>Multimedia data element</td>
</tr>
<tr>
<td></td>
<td>- Insurance Payor/Profile Table, <code>^rt(&quot;ipp&quot;)</code></td>
</tr>
<tr>
<td></td>
<td>Generic Multimedia data element</td>
</tr>
<tr>
<td></td>
<td>- Order Entry Profile Table, <code>^nt(&quot;op&quot;)</code></td>
</tr>
<tr>
<td></td>
<td>Multimedia data element</td>
</tr>
<tr>
<td></td>
<td>- Personal Procedure Selection Tree Table, <code>^nt(&quot;ps&quot;)</code></td>
</tr>
<tr>
<td></td>
<td>Multimedia Order Entry element</td>
</tr>
<tr>
<td></td>
<td>- Procedure Selection Tree Table, <code>^rt(&quot;ps&quot;)</code></td>
</tr>
<tr>
<td></td>
<td>Multimedia Order Entry element</td>
</tr>
<tr>
<td></td>
<td>- Product Table, <code>^pt(&quot;p&quot;)</code></td>
</tr>
<tr>
<td></td>
<td>- Registration Screen Sequence Table, <code>^rt(&quot;rs&quot;)</code></td>
</tr>
<tr>
<td></td>
<td>Generic Multimedia data element</td>
</tr>
<tr>
<td></td>
<td>- Result Entry Profile Table, <code>^nt(&quot;rp&quot;)</code></td>
</tr>
<tr>
<td></td>
<td>Multimedia data element</td>
</tr>
<tr>
<td></td>
<td>- Visit Type Table, <code>^rt(&quot;vt&quot;)</code></td>
</tr>
<tr>
<td></td>
<td>Generic Multimedia data element</td>
</tr>
<tr>
<td></td>
<td>Links FROM other tables TO <code>^mmt(&quot;oc&quot;)</code>:</td>
</tr>
<tr>
<td></td>
<td>- Multimedia Server Type Table, <code>^mmt(&quot;st&quot;)</code></td>
</tr>
<tr>
<td></td>
<td>- Multimedia Type Table, <code>^mmt(&quot;t&quot;)</code></td>
</tr>
</tbody>
</table>

| Facility Specific? | No |

<table>
<thead>
<tr>
<th>Table Organization</th>
<th>The Multimedia Object Catalogue Table, <code>^mmt(&quot;oc&quot;)</code>, is a single-level table. Once this table is accessed, the System prompts for a partial name. After a partial name is entered, the System displays a list of matching Multimedia Object Catalogue Options, if any.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>The usual Edit, Add, and Delete processing options are available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department Usage</th>
<th>Hospital IT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hospital IT technicians use the information defined in this table to create multimedia catalogue objects used to default into the Multimedia data element for use on registration screens, assessment, order or result profiles and in product processing. Physicians can use multimedia catalogue objects to create annotated results, pictures for patient teaching, and drawings for documentation of exam findings. Hospital Registration departments can use multimedia catalogue objects to create template documents for patient signature.</td>
</tr>
</tbody>
</table>
Table Builder Definition Screen
The following fields are displayed on the Table Builder Definition Screen:

| **Active?** | Defines whether this multimedia object catalogue option displays for selection in other tables. |
| **Purpose** | Yes/No |
| **Input** | Defaults to yes |
| **System Use** | Yes – Indicates this multimedia object catalogue option is available. The option displays for selection in other tables. |
| | No – Indicates this multimedia object catalogue option is inactive. The option displays in dim text in this table and does not display for selection in other tables. |
| **Impact of Change** | Edits and additions are effective immediately. |

| **Multimedia Object Name** | Identifies the multimedia catalogue object. |
| **Purpose** | The definition of a multimedia catalogue object is only available for the Scanned/Photographic Imaging multimedia type. |
| **Input** | Free-text |
| | 100 character limit, although greater than 60 is impractical for display purposes |
| **System Use** | Displays this name for selection in the following tables/data elements when the multimedia type is Scanned/Photographic Imaging: |
| | - Assessment Category/Data Element Table, ^nt("ac"), Multimedia data element, Multimedia Definition Constants field, Multimedia Catalogue Object(s) subfield |
| | - Insurance Payor/Profile Table, ^rt("ipp"), Generic Multimedia data element, Multimedia Definition Constants field, Multimedia Catalogue Object(s) subfield |
| | - Order Entry Profile Table, ^nt("op"), Multimedia data element, Multimedia Definition Constants field, Multimedia Catalogue Object(s) subfield |
| | - Personal Procedure Selection Tree Table, ^nt("psp"), Selection Tree Line Definition level, Default Information field, default order field definition, for the Multimedia order entry element option, Order Field Constants subfield, Multimedia Definition sub-subfield, Multimedia Catalogue Object(s) sub-sub-subfield |
| | - Procedure Selection Tree Table, ^nt("ps"), Selection Tree Line Definition level, Default Information field, default order field definition, for the Multimedia order entry element option, Order Field Constants subfield, Multimedia Definition sub-subfield, Multimedia Catalogue Object(s) sub-sub-subfield |
Multimedia Object Name (Continued)

- Product Table, ^pt("p"), Product Identification Screen, Product Image field
- Registration Screen Sequence Table, ^rt("rs"), Generic Multimedia data element, Multimedia Definition Constants field, Multimedia Catalogue Object(s) subfield
- Result Entry Profile Table, ^nt("rp"), Multimedia data element, Multimedia Definition Constants field, Multimedia Catalogue Object(s) subfield
- Visit Type Table, ^rt("vt"), Generic Multimedia data element, Multimedia Definition Constants field, Multimedia Catalogue Object(s) subfield

Impact of Change
Edits and additions are effective immediately.

Multimedia Object Short Name

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Identifies the multimedia object in abbreviated terms.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Free-text</td>
</tr>
<tr>
<td></td>
<td>12 character limit</td>
</tr>
<tr>
<td></td>
<td>Required</td>
</tr>
<tr>
<td>System Use</td>
<td>Currently not used</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

Multimedia Object Description

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the multimedia object in detail (e.g., This is a line drawing of the front, left, and right profile view of a face, suitable for documentation of lacerations and lesions).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Free-text</td>
</tr>
<tr>
<td></td>
<td>Greater than 60 characters is impractical for display purposes</td>
</tr>
<tr>
<td>System Use</td>
<td>Currently not used</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>
## Multimedia Type

**Purpose**
Defines the multimedia type (i.e., scanned/photographic image) associated with this multimedia catalogue object.

**Input**
Single selection

Links from the following Multimedia Type Table, `*mmt("t")` options:
- Scanned/Photographic Imaging

**NOTE:** The Scanned/Photographic Imaging multimedia type option is the only option available for selection.

**NOTE:** Multimedia types for which the customer has no license are unavailable for selection.

**System Use**
Determines the type of multimedia object that defaults into the multimedia client application in the field created from the Multimedia data element.

When this field is defined as Scanned/Photographic Imaging, causes the Additional Object Data String field to display.

**Impact of Change**
Edits and additions are effective immediately.

Any image documentation prior to changes is not affected.

---

## Multimedia Server Type(s)

**Purpose**
Defines the server type(s) (i.e., groups of servers) that stores multimedia objects. Multiple servers can be defined in order to balance the load when a large number of multimedia objects are stored for a facility. The order of servers in a server type group can be changed, or the order of the server types linked to a data element can be changed to provide load balancing among the available object servers in an enterprise. For example, different departments may want to have their own server, (e.g., Radiology: to store chest/heart diagrams for annotation for order profiles; Surgery: to store pre-operative diagrams for result/assessment profiles, etc.).

**Input**
Insert/Delete Editor
- Single selection
- Links from the Multimedia Server Type Table, `*mmt("st")`

**Client-Based Media Manager application** – For the current client level-based Media Manager application implementation, multiple servers are not supported for a single data element based upon the definition of this field; however, multiple servers can be supported by the Media Manager client and server applications, if necessary.

**Server-Based Image Manager application** – Server-based implementations are expected to support multiple servers for a single Multimedia data element.
System Use

The System stores the object on a specific server based on the following order:
- First Server Type (e.g., Clinical Image Server)
  - First Server
  - Second Server
  - Third Server
- Second Server Type (e.g., Medical Image Server)
  - First Server
  - Second Server
  - Third Server

For example, a facility has two server types, Clinical Image Server and Medical Image Server. The System looks first to store the image on the first server type defined, Clinical Image Server, and stores the image on the first server. If the first server is unavailable, the System stores the image on the second server, and so on. If all the servers are busy on the Clinical Image Server type, the System goes to the second server type defined, Medical Image Server, and continues searching the servers until it locates one that is available to store the image (i.e., first server, second server, etc.).

Impact of Change

Edits and additions are effective immediately.

---

**Additional Object Data String**

**Purpose**

- **Image Manager Server-based application** – Defines a user-defined data string that enables the System to configure the way an image within a third-party client application or an image server is handled. This field displays only when the Multimedia Type field is defined as Scanned/Photographic Imaging.

- **Media Manager Client-based application** – This field can define scanning operation control for the QuadraMed CPR Media Manager client application that overrides the definition of the Media Manager, File menu, Preferences menu point, TWAIN tab.

**Input**

Free-text

**NOTE:** The exact format required for the values entered into this field is determined by QuadraMed Corporation.

**NOTE:** The functionality that can be achieved with this field is determined by the application programming interface that is available for the specific image server or third-party client application. Depending on the image server software at a given installation of the Media Manager, this field may not be used at all. This field should be left blank, unless specified by QuadraMed Corporation.

- **Media Manager Client-based application** – The scanning operation of the Media Manager client application is controlled by TWAIN settings. The string defined in this field can be used by QuadraMed CPR™ to pass TWAIN settings to the new Media Manager client application.
Additional Object Data String (Continued)

The `m_extradata` string for the **Media Manager client** application takes the form: `<parameter_name>=<value>` and uses the `^` character to delimit the pairs.

The string can be prepared as in the following sample:

- `Image_byte_type=GRAY (8bit)`
- `^x_resolution=120`
- `^y_resolution=120`
- `^select_TWAIN_source=true`
- `^show_device_ui=false`
- `^UPDATE=true`

**System Use**

- **Image Manager Server-based application** – Provides a means to pass parameters to an image server or a third-party image client. These parameters enable the System to configure the way an image within a third-party client application or an image server is handled.

- **Media Manager Client-based application** – This field can override the following Preferences defined in the **Media Manager client** application, File menu, Preference menu point:
  - Image byte type
  - Default resolutions (i.e., horizontal and vertical resolution (dpi))
  - TWAIN source (i.e., the image acquisition device used if the **Media Manager client** application is not used for image acquisition)
  - Whether or not the image acquisition device’s user interface displays for configuration to the user

**Impact of Change**

Edits and additions are effective immediately.

Any image documentation prior to changes is not affected.

---

**Object Definition**

**Purpose**

Defines the object (e.g., scanned photographic image) used as a default multimedia catalogue object.

**Input**

Accesses the **Media Manager (client-based)** or the **Image Manager (server-based)** application, when applicable to the customer.

**NOTE:** This field is accessible only when the **Device Table, ^ad, Allow Multimedia Edits?** field is defined as **yes**.

**System Use**

Displays this object in the field created from the **Multimedia** data element for annotation during registration, assessment, order, result, or product processing.
Object Definition (Continued)

**Media Manager Client-Based application** – When more than one multimedia catalogue object is defined, and the Media Manager client application is in Capture/Edit Mode, the client defaults the object defined first. It is recommended to limit the number of catalog objects on one Multimedia data element.

**Impact of Change**

**Image Manager Server-Based application** – Editing an existing object replaces the catalogue object definition (i.e., the original object on the server will no longer be linked to the Multimedia Object Catalogue Table, `*mmt("oc")`, entry; however, changes do not affect any patient data documented using the previous catalogue object definition).

**Media Manager Client-Based application** – No multimedia object is ever overwritten in the imaging server. If any change is made to an existing multimedia object, a new multimedia object key is saved to the imaging server and a new multimedia object key is generated and passed to QuadraMed CPR™. The old image remains and the pointer is archived in the QuadraMed CPR™ database.
Chapter 14
Multimedia Rubber Stamp Table, \(^\text{mmt("rs")}\)

Overview
The Multimedia Rubber Stamp Table, \(^\text{mmt("rs")}\), is used to define predefined text and symbols (virtual rubber stamps) that can be placed on an image (i.e., patient identification number, date/time stamp, arrow, dot, etc.) when a field created from a Multimedia data element is accessed.

Table Attributes

| Table Relationship | Links TO other Tables FROM \(^\text{mmt("rs")}\):
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>◆ Assessment Category/Data element Table, (^\text{nt(&quot;ac&quot;)}) Multimedia data element</td>
</tr>
<tr>
<td></td>
<td>◆ Insurance Payor/Profile Table, (^\text{rt(&quot;ipp&quot;)}) Generic Multimedia data element</td>
</tr>
<tr>
<td></td>
<td>◆ Registration Screen Sequence Table, (^\text{rt(&quot;rs&quot;)}) Generic Multimedia data element</td>
</tr>
<tr>
<td></td>
<td>◆ Result Entry Profile Table, (^\text{nt(&quot;rp&quot;)}) Multimedia data element</td>
</tr>
<tr>
<td></td>
<td>◆ Visit Type Table, (^\text{rt(&quot;vt&quot;)}) Generic Multimedia data element</td>
</tr>
</tbody>
</table>

| Facility Specific? | No |

| Table Organization | The Multimedia Rubber Stamp Table, \(^\text{mmt("rs")}\), is a single-level table. Once this table is accessed, the System displays a list of Multimedia Rubber Stamp Options. The usual Edit, Add, and Delete processing options are available. |

### Department Usage

| Diagnostic/Therapeutic Services | Technicians use the information defined in this table to create predefined text or symbols to mark positioning of images (e.g., R or L to indicate right or left side, date/time to make comparison of multiple images, etc.). |
| Medical Records | Medical Records use the information defined in this table to create predefined text for surgical consents and other forms in patient medical records. |
| Nursing | Nursing uses the information defined in this table to create predefined text for use in documentation. |
| Physicians | Physicians use the information defined in this table to create predefined text for use in the documentation process. |
| Radiology | Radiologists use the information defined in this table to create predefined text to help clarify technique and/or orientation of images (e.g., 15 minutes on IVP, R on CXR). |
| Registration | Registration uses the information defined in this table to create predefined text for annotation of insurance cards (e.g., Authorization Required). |

### Table Builder Definition Screen

The following fields display on the Table Builder Definition Screen:

#### Rubber Stamp Name

| Purpose | Identifies the name of the rubber stamp option (i.e., finger point, right arrow, date/time, patient identification, etc.). |
| Input | Free-text |
| 100 character limit, although greater than 40 is impractical for display purposes |
| Required |

#### System Use

Displays this name for selection in the following tables/data elements:

- Assessment Category/Data Element Table, "nt("ac"), Multimedia data element, Multimedia Definition Constants field, Multimedia Rubber Stamp(s) subfield
- Insurance Payor/Profile Table, "rt("ipp"), Generic Multimedia data element, Multimedia Definition Constants field, Multimedia Rubber Stamp(s) subfield
- Registration Screen Sequence Table, "rt("rs"), Generic Multimedia data element, Multimedia Definition Constants field, Multimedia Rubber Stamp(s) subfield
- Result Entry Profile Table, "nt("rp"), Multimedia data element, Multimedia Definition Constants field, Multimedia Rubber Stamp(s) subfield
- Visit Type Table, "rt("vt"), Generic Multimedia data element, Multimedia Definition Constants field, Multimedia Rubber Stamp(s) subfield

#### Impact of Change

Edits and additions are effective immediately.
### Rubber Stamp Short Name

**Purpose**
Identifies the rubber stamp option in abbreviated terms.

**Input**
Free-text

- 15 character limit
- Required

**System Use**
Displays in the annotation toolbar on the Multimedia Client Application screen.

**Impact of Change**
None

### Rubber Stamp Type

**Purpose**
Defines the format of the rubber stamp.

**Input**
Single selection from the following hard-coded options:

- Text
- Patient id
- Current date/time

Defaults to **text**

**System Use**

- **Text** – Creates a rubber stamp annotation item using the information defined in the Rubber Stamp Text field and makes it available in the Multimedia Client application. Causes the Rubber Stamp Text field to display for definition.

- **Patient id** – Creates a rubber stamp type annotation item using the current patient identification and makes it available in the Multimedia Client application.

- **Current date/time** – Creates a rubber stamp type annotation using the current date/time and makes it available in the Multimedia Client application.

**Impact of Change**
Edits and additions are effective immediately.

### Rubber Stamp Text

**Purpose**
Defines the free-text that can be used to annotate an image (e.g., Abnormal EKG). This field displays for definition when the Rubber Stamp Type field is defined as **text**.

**Input**
Free-text

Greater than 40 characters is impractical for display purposes
Rubber Stamp Text (Continued)

Some characters from a supported font-set cannot be entered directly into the Rubber Stamp Text field through the use of the keyboard, however, these characters can be entered into this field using the following process:

- After accessing this field, press CTRL A from the keyboard. The transaction line prompt changes to Enter ASCII character number(s).
- Insert the keyboard number as shown below that corresponds to the desired ASCII code (e.g., 231). When entering the ASCII code, do not enter any leading zeros.
- Press ENTER twice. The appropriate character (representing the ASCII code) will be inserted into the Rubber Stamp Text field.
- The character that displays on the rubber stamp in the Multimedia Client Application toolbar depends on the font defined in the Multimedia Rubber Stamp Table, ^mmt("rs"), Rubber Stamp Text field (i.e., the ASCII code 231 displays a different character in Arial than the ASCII code 231 in Wingdings).
- ASCII codes can be defined by using the Character Map Utility Application in Microsoft Windows 95™. Clicking the desired character on the character map screen as shown below, causes a keystroke sequence (i.e., numeric ASCII code) to appear in the lower right corner of the character map application.

The following is an example of entering a character symbol using the Wingdings font character map:

- Select left arrow from the character map. The character map keystroke sequence for this character is ALT+ 0231.
- From the Multimedia Rubber Stamp Table, ^mmt("rs"), Rubber Stamp Text field, press CTRL A, to obtain the ASCII character transaction line.
- Insert 231 and press ENTER twice as shown below.
- This action launches a character representing ASCII Code 231 into the Rubber Stamp Text field, which is the code for the selected left arrow character as shown on page 174.

System Use

Creates a rubber stamp annotation item using this text and makes it available in the Multimedia Client application.

Impact of Change

Edits and additions are effective immediately.
### Multimedia Rubber Stamp Table

<table>
<thead>
<tr>
<th>Entry</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last Edit ID</td>
<td>Blackmon, Charlene T</td>
</tr>
<tr>
<td>Last Edit Time</td>
<td>Thu, 11 Jun 98 10:35</td>
</tr>
<tr>
<td>Active?</td>
<td>yes</td>
</tr>
<tr>
<td>Rubber Stamp Name</td>
<td>Left Arrow</td>
</tr>
<tr>
<td>Rubber Stamp Short Name</td>
<td>Left Arrow</td>
</tr>
<tr>
<td>Rubber Stamp Type</td>
<td>Text</td>
</tr>
<tr>
<td>Rubber Stamp Text</td>
<td>Wingdings</td>
</tr>
<tr>
<td>Rubber Stamp Style</td>
<td>bold, underline</td>
</tr>
<tr>
<td>Rubber Stamp Font Size</td>
<td>10</td>
</tr>
<tr>
<td>Rubber Stamp Color</td>
<td>blue</td>
</tr>
</tbody>
</table>

Enter ASCII character number(s) 231
### Rubber Stamp Font

**Purpose**: Defines the multimedia rubber stamp font associated with this multimedia rubber stamp option.

**Input**: Single selection from the following font options:

- Arial
- Courier New
- HDS Arial
- Times New Roman
- Wingdings

Defaults to **default font**. The current default font is **HDS Arial**.

**System Use**: Displays the rubber stamp option in this font.

**Impact of Change**: Edits and additions are effective immediately.

### Rubber Stamp Style

**Purpose**: Defines how the font is to display.

**Input**: Multiple selection

- Bold
- Italic
- Underline

Defaults to **normal** if a style is not selected

**System Use**: Displays the font using the specified style(s) (e.g., in bold, underlined text).

**Impact of Change**: Edits and additions are effective immediately.

### Rubber Stamp Point Size

**Purpose**: Defines the point size attributed to the selected font.

**Input**: Integer from 6 to 72

Defaults to **10**
### Rubber Stamp Point Size (Continued)

<table>
<thead>
<tr>
<th>System Use</th>
<th>Displays the rubber stamp in the specified point size.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

### Rubber Stamp Color

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the color associated with this rubber stamp option.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Single selection from the following options:</td>
</tr>
<tr>
<td></td>
<td>◆ Black</td>
</tr>
<tr>
<td></td>
<td>◆ Dark Red</td>
</tr>
<tr>
<td></td>
<td>◆ Dark Green</td>
</tr>
<tr>
<td></td>
<td>◆ Dark Yellow</td>
</tr>
<tr>
<td></td>
<td>◆ Dark Blue</td>
</tr>
<tr>
<td></td>
<td>◆ Dark Magenta</td>
</tr>
<tr>
<td></td>
<td>◆ Dark Cyan</td>
</tr>
<tr>
<td></td>
<td>◆ Dark Gray</td>
</tr>
<tr>
<td></td>
<td>◆ Light Gray</td>
</tr>
<tr>
<td></td>
<td>◆ Red</td>
</tr>
<tr>
<td></td>
<td>◆ Green</td>
</tr>
<tr>
<td></td>
<td>◆ Yellow</td>
</tr>
<tr>
<td></td>
<td>◆ Blue</td>
</tr>
<tr>
<td></td>
<td>◆ Magenta</td>
</tr>
<tr>
<td></td>
<td>◆ Cyan</td>
</tr>
<tr>
<td></td>
<td>◆ White</td>
</tr>
</tbody>
</table>

Defaults to black

<table>
<thead>
<tr>
<th>System Use</th>
<th>Displays the rubber stamp in this color.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

---

*QuadraMed Corporation*
Chapter 15
Multimedia Server Type Table, ^mmt("st")

Overview
The Multimedia Server Type Table, ^mmt("st"), is used to organize the multimedia servers that are available to the System. Defining multiple servers within one server type definition provides a level of redundancy for documentation of multimedia data while still supporting the preferential use of a particular server for specific kinds of data (i.e., if one server (the first choice server) fails, the System can send the multimedia object file to another server defined in this table).

Table Attributes

<table>
<thead>
<tr>
<th>Table Relationship</th>
<th>Links TO other Tables FROM ^mmt(&quot;st&quot;):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Assessment Category/Data element Table, ^nt(&quot;ac&quot;) Multimedia data element</td>
</tr>
<tr>
<td></td>
<td>Insurance Payor/Profile Table, ^rt(&quot;ipp&quot;) Generic Multimedia data element</td>
</tr>
<tr>
<td></td>
<td>Registration Screen Sequence Table, ^rt(&quot;rs&quot;) Generic Multimedia data element</td>
</tr>
<tr>
<td></td>
<td>Result Entry Profile Table, ^nt(&quot;rp&quot;) Multimedia data element</td>
</tr>
<tr>
<td></td>
<td>Visit Type Table, ^rt(&quot;vt&quot;) Generic Multimedia data element</td>
</tr>
</tbody>
</table>

| Facility Specific? | No |

Links FROM other Tables TO ^mmt("st"): Multimedia Server Table, ^mmt("s")
Table Builder Definition Screen
The following fields display on the Table Builder Definition Screen:

<table>
<thead>
<tr>
<th>Multimedia Server Type Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purpose</td>
</tr>
<tr>
<td>Input</td>
</tr>
<tr>
<td>100 character limit, although greater than 40 is impractical for display purposes</td>
</tr>
<tr>
<td>Required</td>
</tr>
<tr>
<td>System Use</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Impact of Change</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Multimedia Server(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purpose</td>
</tr>
<tr>
<td>Input</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>NOTE: The order in which servers are defined is important. The System stores images on the server listed first. When the server listed first is unavailable, the System stores images on the server listed second, etc.</td>
</tr>
</tbody>
</table>
### Multimedia Server(s) (Continued)

<table>
<thead>
<tr>
<th>System Use</th>
<th>Stores images on the servers identified in this field.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>
Chapter 16
Multimedia Server Table, ^mmt("s")

Overview
The Multimedia Server Table, ^mmt("s"), stores the server-specific information needed by the QuadraMed CPR System to process requests to store or retrieve multimedia objects.

Table Attributes

<table>
<thead>
<tr>
<th>Table Relationship</th>
<th>Links TO other Tables FROM ^mmt(&quot;s&quot;):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>◆ Multimedia Server Type Table, ^mmt(&quot;st&quot;)</td>
</tr>
<tr>
<td></td>
<td>Links FROM other ^mmt(&quot;s&quot;):</td>
</tr>
<tr>
<td></td>
<td>◆ Multimedia Platform Table, ^mmt(&quot;p&quot;)</td>
</tr>
<tr>
<td>Facility Specific?</td>
<td>No</td>
</tr>
<tr>
<td>Table Organization</td>
<td>The Multimedia Server Table, ^mmt(&quot;s&quot;), is a single-level table. Once this table is accessed, the System displays a list of Multimedia Server Options, if any and prompts to select a multimedia server to edit. The usual Add and Delete processing options are also available.</td>
</tr>
<tr>
<td></td>
<td>Deleting a multimedia server option can cause the multimedia application to fail and cause serious data integrity issues.</td>
</tr>
<tr>
<td>Department Usage</td>
<td>Hospital IT</td>
</tr>
<tr>
<td></td>
<td>The IT department uses this table to configure the server(s) used in the QuadraMed CPR Image and Media Manager imaging applications.</td>
</tr>
</tbody>
</table>
**Table Builder Definition Screen**

The following fields display on the Table Builder Definition Screen:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Active?</strong></td>
<td></td>
</tr>
<tr>
<td>Purpose</td>
<td>Defines whether this multimedia server option displays for selection in other tables.</td>
</tr>
<tr>
<td>Input</td>
<td>Yes/No</td>
</tr>
<tr>
<td>Defaults to yes</td>
<td></td>
</tr>
<tr>
<td>System Use</td>
<td><strong>Yes</strong> – Indicates this multimedia server option is available. The option displays for selection in other tables.</td>
</tr>
<tr>
<td></td>
<td><strong>No</strong> – Indicates this multimedia server option is inactive. The option displays in dim text in this table and does not display for selection in other tables.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

**Multimedia Server Name**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purpose</td>
<td>Identifies the site-specific name of the multimedia object server.</td>
</tr>
<tr>
<td>Input</td>
<td>Free-text</td>
</tr>
<tr>
<td></td>
<td>100 character limit, although greater than 50 is impractical for display purposes</td>
</tr>
<tr>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>System Use</td>
<td>Displays this name for selection in the Multimedia Server Type Table, &quot;mmt(&quot;st&quot;), Multimedia Server(s) field.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

**Multimedia Server Short Name**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purpose</td>
<td>Identifies the site-specific name of the multimedia object server in abbreviated terms.</td>
</tr>
<tr>
<td>Input</td>
<td>Free-text</td>
</tr>
<tr>
<td></td>
<td>12 character limit</td>
</tr>
<tr>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>System Use</td>
<td>Currently not used.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>
### Server IP Address

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the site-specific IP (Internet Protocol) address of the multimedia object server.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Free-text</td>
</tr>
<tr>
<td></td>
<td>Numeric string format (e.g., 111.111.11.11, etc.)</td>
</tr>
<tr>
<td>System Use</td>
<td><strong>Server-Based Image Manager</strong> application</td>
</tr>
<tr>
<td></td>
<td>Saves the image to the server defined in the <strong>Multimedia Definition Constants</strong> field, <strong>Multimedia Server Type(s)</strong> subfield of the corresponding <strong>Multimedia</strong> data element.</td>
</tr>
<tr>
<td></td>
<td><strong>Client-Based Media Manager</strong> application</td>
</tr>
<tr>
<td></td>
<td><strong>NOTE:</strong> This field does not apply to the <strong>Media Manager (Client-based)</strong> application. The OMCjE (OpenMed Capture javaExpress)™ Preferences menu point, C-STORE tab, <strong>Host</strong> field is defined with the IP or host name of the multimedia object server.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

### Server Port

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the server port number for the multimedia object server. A port number is the way a client program specifies a particular server program on a computer in a network.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Free-text</td>
</tr>
<tr>
<td>System Use</td>
<td><strong>Server-Based Image Manager</strong> application</td>
</tr>
<tr>
<td></td>
<td>Uses this server port number to specify the defined server</td>
</tr>
<tr>
<td></td>
<td><strong>Client-Based Media Manager</strong> application</td>
</tr>
<tr>
<td></td>
<td><strong>NOTE:</strong> This field does not apply to the <strong>Media Manager (Client-based)</strong> application. The OMCjE (OpenMed Capture javaExpress)™ Preferences menu point, C-STORE tab, <strong>Port</strong> field is defined with the port number of the multimedia object server port.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>
### Multimedia Platform

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the platform upon which this multimedia object server runs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Single selection</td>
</tr>
<tr>
<td></td>
<td>Links from the Multimedia Platform Table, ^mmt(&quot;p&quot;)</td>
</tr>
<tr>
<td>System Use</td>
<td>Uses this platform to run the multimedia object server.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>
Chapter 17
Growth Chart Table, ^nt("gc")

Overview
The Growth Chart Table, ^nt("gc") is used to create growth charts. Growth charts created in this table display for selection in the Growth Chart application.

Table Attributes

| Table Relationship | Links TO Menu Functions or Applications from ^nt("gc"):
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>✦ Growth Chart Application</td>
</tr>
</tbody>
</table>
|                   | Links TO other Tables from ^nt("gc"):
|                   | None                                             |
|                   | Links FROM other Tables to ^nt("gc"):
|                   | ✦ Growth Chart Percentile Table, ^nt("gcp")       |
|                   | ✦ Result Storage Category Table, ^nt("rsc")       |
| Facility Specific?| No                                               |
| Table Organization| The Growth Chart Table, ^nt("gc") is a single level table. Once this table is accessed, the System prompts for a partial name. After a partial name has been entered, the System displays a list of matching options, if any. An option can be selected to edit or add. |
| Department Usage  | ✦ Patient Care Services
Physicians and nurses can use the information defined in this table to display the changes to a patient’s growth in a chart format. |
## Table Builder Definition Screen

The following fields display on the Table Builder Definition Screen:

<table>
<thead>
<tr>
<th>Field</th>
<th>Purpose</th>
<th>Input</th>
<th>System Use</th>
<th>Impact of Change</th>
</tr>
</thead>
</table>
| **Active?** | Defines whether this option displays for selection in menu functions, applications, or in other tables. | Yes/No      | **Yes** – Indicates the option is available, and displays for selection in the Growth Charts application.  
**No** – Indicates the option is inactive. The option name displays in dim text in the table, and does not display for selection in the Growth Chart application. | Edits and additions are effective immediately. |
| **Input**   |                                                                         |             |                                                                          |                      |
| **System Use** |                                                                         |             |                                                                          |                      |
| **Impact of Change** |                                                                         |             |                                                                          |                      |
| **Growth Chart Name** | Identifies the growth chart in the database.                           | Free-text   | Displays this growth chart name for selection in the Desktop Application Table, "att("dta"), Growth Chart application, Non-Facility Parameters field, Selected Growth Charts subfield. | Edits and additions are effective immediately. |
| **Input**   |                                                                         | 100 character limit |                                                                          |                      |
| **System Use** |                                                                         | Required    |                                                                          |                      |
| **Impact of Change** |                                                                         |             |                                                                          |                      |
| **Display Title** | Defines the growth chart name that displays on the Growth Charts application screen. | Free-text   | Displays this text as the name of the growth chart on the user side.       | Edits and additions are effective immediately. |
| **Input**   |                                                                         | 100 character limit |                                                                          |                      |
| **System Use** |                                                                         | Required    |                                                                          |                      |
| **Impact of Change** |                                                                         |             |                                                                          |                      |
### Sub Title

**Purpose**  
Defines the growth chart name that displays as a sub-title beneath the Display Title on the Growth Charts desktop.

**Input**  
Free-text

**100 character limit**

**System Use**  
Displays the sub-title of the growth chart on the application desktop.

**Impact of Change**  
Edits and additions are effective immediately.

---

### Tab Title

**Purpose**  
Defines the text that displays in the tabs on the Growth Chart application screen.

**Input**  
Free-text

**30 character limit**

**Required**

**System Use**  
Displays this information on the tabs that display across the Growth Chart application screen. Each growth chart has its own tab.

**Impact of Change**  
Edits and additions are effective immediately.

---

### Gender

**Purpose**  
Defines whether the growth chart is for male or female patients.

**Input**

- **(M) Male**
- **(F) Female**

**Required**

**System Use**  
(M) Male – Displays the defined growth chart only for the male patients.

(F) Female – Displays the defined growth chart only for the female patients.

**Impact of Change**  
Edits and additions are effective immediately.

---

### Age Parameters

**Purpose**  
Defines the patient age parameters for the growth chart.

**Input**  
Displays the following subfields for definition:

- **Age Type**
- **Age Minimum**
- **Age Maximum**

**Required**
Age Parameters (Continued)

System Use Displays the growth chart for a patient based on the age parameters defined in this field. Information defined in this field also determines when to start and stop pulling data for the patient from the linked result storage category.

Impact of Change Edits and additions are effective immediately.

Age Type

Purpose Defines the age type parameters for the patient.

Input Displays the following options for selection:

- (D) Days
- (M) Months
- (Y) Years

Required

System Use (D) Days – Determines the age parameters in number of days.
(M) Months – Determines the age parameters in number of months.
(Y) Years – Determines the age parameters in number of years.

Impact of Change Edits and additions are effective immediately.

Age Minimum

Purpose Defines the lower limit of age for the patients that display on the growth chart as well as the date to start plotting the data for the chart.

Input Numeric Entry

3 character limit

Required

System Use Displays the growth chart only for the patients who are above the age defined in this field. System uses this information to know from when to start displaying the chart and from when to start plotting the data on the chart.

Impact of Change Edits and additions are effective immediately.

Age Maximum

Purpose Defines the upper limit of age for the patients that display on the growth chart as well as the date to stop plotting the data for the chart.

Input Numeric Entry

3 character limit

Required

NOTE: The value entered in the Age Maximum field must be higher than the value entered in the Age Minimum field.
### Age Maximum (Continued)

<table>
<thead>
<tr>
<th>System Use</th>
<th>Displays the growth chart only for the patients who are below the age defined in this field. System uses this information to know from when to stop displaying the chart and from when to stop plotting the data on the chart.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOTE: To display the charts for ages higher than that defined in the <strong>Age Maximum</strong> field, define the age in <strong>Desktop Application Table, at</strong>(&quot;dta&quot;), <strong>Facility Parameter</strong> field, <strong>Display Past Growth Charts for Patients Under (years)</strong> subfield. For example, if the <strong>Age Maximum</strong> field is defined as three years and the <strong>Display Past Growth Charts for Patients Under (years)</strong> subfield is defined as 50, then the chart will display for patients up to 50 years instead of three years.</td>
<td></td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

### Time Interval in Days Between Data Points

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the minimum number of days between two data points that are plotted on the growth chart graph.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Numeric Entry</td>
</tr>
<tr>
<td>System Use</td>
<td>Uses value entered in this field to determine the minimum number of days to pass before plotting the next data point.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

### Left (Y) Axis Parameters

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the parameters for the <strong>Left (Y) Axis</strong> of the selected growth chart.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Can display the following subfields for definition:</td>
</tr>
<tr>
<td></td>
<td>• Measurement Type</td>
</tr>
<tr>
<td></td>
<td>• Unit of Measure</td>
</tr>
<tr>
<td></td>
<td>• Result Storage Category</td>
</tr>
<tr>
<td></td>
<td>• Axis Label</td>
</tr>
<tr>
<td></td>
<td>• Axis Minimum</td>
</tr>
<tr>
<td></td>
<td>• Axis Maximum</td>
</tr>
<tr>
<td></td>
<td>• Axis Increment</td>
</tr>
<tr>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>System Use</td>
<td>Determines the information for the display of the <strong>Left (Y) Axis</strong> of the chart.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>
# Measurement Type

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the type of measurement parameters for the Left (Y) Axis of the selected growth chart.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Displays the following options for selection:</td>
</tr>
<tr>
<td></td>
<td>- (M) Mass</td>
</tr>
<tr>
<td></td>
<td>- (L) Length</td>
</tr>
<tr>
<td></td>
<td>- (A) Age</td>
</tr>
<tr>
<td></td>
<td>- (B) BMI/Other</td>
</tr>
</tbody>
</table>

**System Use**

- **(M) Mass** – Determines the measurement parameters to be in unit of Mass. Causes the Unit of Measure, Result Storage Category and Axis Label subfields to display for definition.

- **(L) Length** – Determines the measurement parameters to be in unit of Length. Causes the Unit of Measure, Result Storage Category and Axis Label subfields to display for definition.

- **(A) Age** – Determines the measurement parameters to be in unit of Age. Causes the Unit of Measure subfield to display for definition.

- **(B) BMI/Other** – Determines the measurement parameters to use BMI/Other as the unit of measure. Causes the Result Storage Category and Axis Label subfields to display for definition.

**Impact of Change**

Edits and additions are effective immediately.

---

# Unit of Measure

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the parameters to measure the age of a patient. This subfield displays for definition when the Measurement Type subfield is defined as Mass, Length, and Age.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>When the measurement type is defined as Mass, the following options display for selection:</td>
</tr>
<tr>
<td></td>
<td>- Milligrams</td>
</tr>
<tr>
<td></td>
<td>- Grams</td>
</tr>
<tr>
<td></td>
<td>- Kilograms</td>
</tr>
<tr>
<td></td>
<td>- Ounces</td>
</tr>
<tr>
<td></td>
<td>- Pounds</td>
</tr>
<tr>
<td></td>
<td>- Stones</td>
</tr>
</tbody>
</table>

When the measurement type is defined as Length, the following options display for selection:

- Millimeters
- Centimeters
- Meters
- Inches
- Feet

When the measurement type is defined as Age, the following options display for selection:

- Days
- Months
- Years

**Required**
<table>
<thead>
<tr>
<th><strong>Unit of Measure (Continued)</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>System Use</strong></td>
<td>Determines the unit of measure for the <strong>Left (Y) Axis</strong> of the growth chart.</td>
</tr>
<tr>
<td><strong>Impact of Change</strong></td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Result Storage Category</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Purpose</strong></td>
<td>Defines the result storage category from which the patient data is pulled. This subfield displays for definition when the Measurement Type subfield is defined as <strong>Mass</strong>, <strong>Length</strong>, or <strong>BMI/Other</strong>.</td>
</tr>
</tbody>
</table>
| **Input**                  | Partial Name Match
|                            | - Single Selection
|                            | - Links from the Result Storage Category Table, "nt("rsc")
|                            | **NOTE:** Result Storage Categories are limited based on the selection made in the Measurement Type subfield (see Measurement Type on page 190). |
|                            | For a result storage category to display for selection, the following Result Storage Category Table, "nt("rsc"), fields must be defined as follows:
|                            | - The Application Use field must be defined as Growth Charts. |
|                            | - The Growth Charts Measurement Type field must be equal to the measurement type defined in the Growth Charts Table, "nt("gc"), Measurement Type subfield for the **Left (Y) Axis**. |
| **System Use**             | Displays the data from the linked result storage category on the **Left (Y) Axis** of the defined growth chart. |
| **Impact of Change**       | Edits and additions are effective immediately.                |

<table>
<thead>
<tr>
<th><strong>Axis Label</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Purpose</strong></td>
<td>Defines the name of the axis that is being defined for the growth chart. This field displays for definition when the Growth Charts Table, &quot;nt(&quot;gc&quot;), Left (Y) Axis Parameters field, Measurement Type subfield is defined as <strong>Mass</strong>, <strong>Length</strong>, or <strong>BMI/Other</strong>.</td>
</tr>
<tr>
<td><strong>Input</strong></td>
<td>Defaults to the measurement type selected in the Growth Charts Table, &quot;nt(&quot;gc&quot;), Measurement Type subfield for the <strong>Left (Y) Axis</strong>.</td>
</tr>
<tr>
<td><strong>System Use</strong></td>
<td>Displays the name of the axis defined for the growth chart. The name defaults to the measurement type defined in the Growth Charts Table, &quot;nt(&quot;gc&quot;), Left (Y) Axis Parameters field, Measurement Type subfield.</td>
</tr>
<tr>
<td><strong>Impact of Change</strong></td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>
# Axis Minimum

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the lower limit value to start displaying the chart for the Left (Y) Axis of the growth chart defined.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Numeric Entry</td>
</tr>
<tr>
<td></td>
<td>10 character limit</td>
</tr>
<tr>
<td></td>
<td>Required</td>
</tr>
<tr>
<td>System Use</td>
<td>System uses this information to identify the value from where to begin the Left (Y) Axis.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

# Axis Maximum

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the upper limit value for the Left (Y) Axis of the growth chart defined.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Numeric Entry</td>
</tr>
<tr>
<td></td>
<td>10 character limit</td>
</tr>
<tr>
<td></td>
<td>Required</td>
</tr>
<tr>
<td>System Use</td>
<td>System uses this information to identify the end point for data on the Left (Y) Axis.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

# Axis Increment

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the measure (Age, Mass, Length or BMI/Other) between the tick marks on the Left (Y) Axis of the defined growth chart.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Numeric Entry</td>
</tr>
<tr>
<td></td>
<td>10 character limit</td>
</tr>
<tr>
<td></td>
<td>Defaults to 1</td>
</tr>
<tr>
<td>System Use</td>
<td>Determines the incremental value between tick marks on the Left (Y) Axis.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

# Bottom (X) Axis Parameters

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the parameters for the Bottom (X) Axis of the selected growth chart.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Can display the following subfields for definition:</td>
</tr>
<tr>
<td></td>
<td>• Measurement Type</td>
</tr>
<tr>
<td></td>
<td>• Unit of Measure</td>
</tr>
<tr>
<td></td>
<td>• Result Storage Category</td>
</tr>
<tr>
<td></td>
<td>• Axis Label</td>
</tr>
<tr>
<td></td>
<td>• Axis Minimum</td>
</tr>
</tbody>
</table>
Bottom (X) Axis Parameters (Continued)

Input
- Axis Maximum
- Axis Increment

Required

System Use
Determines the Information for the display of the Bottom (X) Axis of the growth chart.

Impact of Change
Edits and additions are effective immediately.

Measurement Type

Purpose
Defines the type of measurement parameters for the Bottom (X) Axis of the selected growth chart.

Input
Displays the following options for selection:
- (M) Mass
- (L) Length
- (A) Age
- (B) BMI/Other

Required

System Use
- (M) Mass – Determines the measurement parameters to be in unit of Mass. Causes the Unit of Measure, Result Storage Category and Axis Label fields to display for definition.

- (L) Length – Determines the measurement parameters to be in unit of Length. Causes the Unit of Measure, Result Storage Category and Axis Label fields to display for definition.

- (A) Age – Determines the measurement parameters to be in unit of Age. Causes the Unit of Measure subfield to display for definition.

- (B) BMI/Other – Determines the measurement parameters to use BMI/Other as the unit of measure. Causes the Result Storage Category and Axis Label fields to display for definition.

Impact of Change
Edits and additions are effective immediately.

Unit of Measure

Purpose
Defines the parameters to measure the age of a patient. This subfield displays for definition when the Measurement Type subfield is defined as Age.

Input
When the measurement type is defined as Mass, the following options display for selection:
- Milligrams
- Grams
- Kilograms
- Ounces
- Pounds
- Stones
### Unit of Measure (Continued)

<table>
<thead>
<tr>
<th>Input</th>
<th>When the measurement type is defined as <strong>Length</strong>, the following options display for selection:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>- Millimeters</td>
</tr>
<tr>
<td></td>
<td>- Centimeters</td>
</tr>
<tr>
<td></td>
<td>- Meters</td>
</tr>
<tr>
<td></td>
<td>- Inches</td>
</tr>
<tr>
<td></td>
<td>- Feet</td>
</tr>
</tbody>
</table>

When the measurement type is defined as **Age**, the following options display for selection:

- Days
- Months
- Years

Required

**System Use**

Determines the unit of measure for the **Bottom (X) Axis** of the growth chart.

**Impact of Change**

Edits and additions are effective immediately.

### Result Storage Category

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the result storage category from which the patient data is pulled. This subfield displays for definition when the <strong>Measurement Type</strong> field for the <strong>Bottom (X) Axis</strong> is defined as <strong>Mass</strong>, <strong>Length</strong>, or <strong>BMI/Other</strong>.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td><strong>Partial Name Match</strong></td>
</tr>
<tr>
<td></td>
<td>- <strong>Single Selection</strong></td>
</tr>
<tr>
<td></td>
<td>- <strong>Links from the Result Storage Category Table, ^nt(&quot;rsc&quot;)</strong></td>
</tr>
<tr>
<td></td>
<td><strong>NOTE:</strong> Result Storage Categories are limited based on the selection made in the <strong>Measurement Type</strong> subfield.</td>
</tr>
</tbody>
</table>

For a result storage category to display for selection, the following **Result Storage Category Table, ^nt("rsc")**, fields must be defined as follows:

- **Application Use** field must be defined as **Growth Charts**.
- **Growth Charts Measurement Type** field must be equal to the measurement type defined in the **Growth Charts Table, ^nt("gc")**, **Measurement Type** subfield for the **Bottom (X) Axis**.

Required

**System Use**

Displays the data from the linked **result storage category** on the **Bottom(X) Axis** of the defined growth chart.

**Impact of Change**

Edits and additions are effective immediately.

### Axis Label

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the name of the axis that is being defined for the growth chart. This field displays for definition when the <strong>Growth Charts Table, ^nt(&quot;gc&quot;)</strong>, <strong>Bottom(X) Axis Parameters</strong> field, <strong>Measurement Type</strong> subfield is defined as <strong>Mass</strong>, <strong>Length</strong>, or <strong>BMI/Other</strong>.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Defaults to the measurement type selected in the <strong>Growth Charts Table, ^nt(&quot;gc&quot;)</strong>, <strong>Measurement Type</strong> subfield for the <strong>Bottom (X) Axis</strong>.</td>
</tr>
</tbody>
</table>
### Axis Label (Continued)

<table>
<thead>
<tr>
<th>System Use</th>
<th>Displays the name of the axis defined for the growth chart. The name defaults to the measurement type defined in the Growth Charts Table, Bottom(X) Axis Parameters field,Measurement Type subfield.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

### Axis Minimum

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the lower limit value to start displaying the chart for the Bottom (X) Axis of the growth chart defined.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Numeric Entry</td>
</tr>
<tr>
<td></td>
<td>10 character limit</td>
</tr>
<tr>
<td>Required</td>
<td>System Use</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

### Axis Maximum

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the upper limit value for the Bottom (X) Axis of the growth chart defined.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Numeric Entry</td>
</tr>
<tr>
<td></td>
<td>10 character limit</td>
</tr>
<tr>
<td>Required</td>
<td>System Use</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

### Axis Increment

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the unit of measure (Age, Mass, Length or BMI) between the tick marks on the Bottom (X) Axis of the defined growth chart.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Free Text</td>
</tr>
<tr>
<td></td>
<td>Numeric Entry</td>
</tr>
<tr>
<td></td>
<td>10 character limit</td>
</tr>
<tr>
<td>Defaults to 1</td>
<td>System Use</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>
**Right Axis Parameters**

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the parameters to be displayed on the <strong>Right Axis</strong> of the selected growth chart.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Displays the following subfields for selection:</td>
</tr>
<tr>
<td></td>
<td>- Unit of Measure</td>
</tr>
<tr>
<td></td>
<td>- Axis Increment</td>
</tr>
<tr>
<td>System Use</td>
<td>Displays the unit of measure information on the <strong>Right Axis</strong> of the growth chart.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

**Unit of Measure**

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the unit of measure that is used on the <strong>Right Axis</strong> of the growth chart.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Single selection from list of measurement values defined in the <strong>Left (Y) Axis</strong> field, <strong>Measurement Type</strong> subfield.</td>
</tr>
</tbody>
</table>

The measurement type option selected for the **Left (Y) Axis** will determine the unit of measure list that is presented for the right axis.

| System Use | Displays the unit of measure information on the **Right Axis** of the growth chart. |
| Impact of Change | Edits and additions are effective immediately.                                      |

**Axis Increment**

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the unit of measure (Age, Mass, Length or BMI) between the tick marks on the <strong>Right Axis</strong> of the defined growth chart.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Free Text</td>
</tr>
<tr>
<td></td>
<td>Numeric Entry</td>
</tr>
<tr>
<td></td>
<td>10 character limit</td>
</tr>
<tr>
<td></td>
<td>Defaults to 1.5</td>
</tr>
<tr>
<td>System Use</td>
<td>Displays the unit of measure between the tick marks on the <strong>Right Axis</strong>.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>
**Percentiles**

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Displays the percentiles used on the growth chart for selection.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>NOTE:</strong> The Percentiles field does not display for selection until the Measurement Type subfield for the Left (Y) Axis and Bottom (X) Axis fields, and the Gender field is defined.</td>
</tr>
<tr>
<td>Input</td>
<td>Add/Delete Editor</td>
</tr>
<tr>
<td></td>
<td>• Multiple Selection</td>
</tr>
<tr>
<td></td>
<td>• Links from Growth Charts Percentile Table, ^nt(&quot;gcp&quot;)</td>
</tr>
<tr>
<td>System Use</td>
<td>Determines which percentiles are displayed on the defined growth chart.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>
Chapter 18

Growth Chart Percentile Table, ^nt("gcp")

Overview
The Growth Chart Percentile Table, ^nt("gcp") creates percentile lines that are used to reflect statistical norms of children aged between 2 to 20 years.

Table Attributes

| Table Relationship | Links TO Menu Functions from ^nt("gcp"):
|                    | None |
|                    | Links TO other Tables from ^nt("gcp"):
|                    | Growth Chart Table, ^nt("gc") |
|                    | Links FROM other Tables to ^nt("gcp"):
|                    | None |

| Facility Specific? | No |

| Table Organization | The Growth Chart Percentile Table, ^nt("gcp"), is a single-level table. Once this table is accessed, the System prompts for a partial name. After a partial name has been entered, the System displays a list of matching percentile options, if any. A percentile option can be selected to edit or a new percentile option can be added. |

| Department Usage | Nursing Department
Nursing department uses statistical norms created within this table to compare the growth of children. |
Table Builder Definition Screen

The following fields display on the Table Builder Definition Screen:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Active?</strong></td>
<td>Defines whether this option displays for selection in applications, menu functions, and in other tables.</td>
</tr>
<tr>
<td><strong>Purpose</strong></td>
<td>Yes/No</td>
</tr>
<tr>
<td><strong>Input</strong></td>
<td>Defaults to yes</td>
</tr>
<tr>
<td><strong>System Use</strong></td>
<td>Yes – Indicates the option is available and displays for selection in applications, menu functions, and other tables.</td>
</tr>
<tr>
<td></td>
<td>No – Indicates the option is inactive. The option name displays in dim text in the table and does not display for selection in applications, menu functions, or other tables.</td>
</tr>
<tr>
<td><strong>Impact of Change</strong></td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

**Growth Chart Percentile Name**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Purpose</strong></td>
<td>Identifies the name of the growth chart percentile line.</td>
</tr>
<tr>
<td><strong>Input</strong></td>
<td>Free-text</td>
</tr>
<tr>
<td></td>
<td>100 character limit</td>
</tr>
<tr>
<td></td>
<td>Required</td>
</tr>
<tr>
<td><strong>System Use</strong></td>
<td>Determines the name of the growth chart percentiles in the defined entry.</td>
</tr>
<tr>
<td><strong>Impact of Change</strong></td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

**Left (Y) Axis Parameters**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Purpose</strong></td>
<td>Defines the value of the data points being loaded into the Growth Chart for the Left (Y) Axis.</td>
</tr>
<tr>
<td><strong>Input</strong></td>
<td>Displays the Measurement Type subfield for definition.</td>
</tr>
<tr>
<td></td>
<td>Required</td>
</tr>
<tr>
<td><strong>System Use</strong></td>
<td>Determines the value of the data points loaded from the Growth Chart Percentile Load Utility into the Growth Chart Percentiles Table, &quot;nt(&quot;gcp&quot;), Male Percentiles or Female Percentiles fields, Data Point(s) subfield, Left (Y) Axis Value sub-subfield.</td>
</tr>
<tr>
<td></td>
<td>NOTE: Data can also be manually entered in the above mentioned field, however it is recommended to use the Growth Chart Percentile Load Utility to load the data into the System.</td>
</tr>
<tr>
<td><strong>Impact of Change</strong></td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>
# Measurement Type

**Purpose**: Defines the type of measurement used for the data points on the Left (Y) Axis.

**Input**: Displays the following options for selection:

- (L) Length
- (M) Mass
- (A) Age

When this field is defined as Length, Mass, or Age, the Unit of Measure subfield displays for definition.

- (B) BMI/Other

**System Use**: Filters the options that display for selection in the Unit of Measure subfield below.

**Impact of Change**: Edits and additions are effective immediately.

# Unit of Measure

**Purpose**: Defines the unit of measure to represent the values defined within the Growth Chart Percentiles Table, Male Percentiles or Female Percentiles fields, Data Point(s) subfield, Left (Y) Axis Value sub-subfield. This subfield displays when the Measurement Type field is defined as Length, Mass, or Age.

**Input**: When Length is defined in the Measurement Type field, displays the following options for selection:

- millimeters
- centimeters
- meters
- inches
- feet

When Mass is defined in the Measurement Type field, displays the following options for selection:

- milligrams
- grams
- kilograms
- ounces
- pounds
- stones

When Age is defined in the Measurement Type field, displays the following options for selection:

- days
- months
- years

**System Use**: Determines the value of the data points loaded into the System for the Left (Y) Axis.

**Impact of Change**: Edits and additions are effective immediately.
### Bottom (X) Axis Parameters

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the value of the data points being loaded into the Growth Chart for the Bottom (X) Axis.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Displays the Measurement Type subfield for definition.</td>
</tr>
<tr>
<td>System Use</td>
<td>Determines the value of the data points loaded from the Growth Chart Percentile Load Utility</td>
</tr>
<tr>
<td></td>
<td>into the Growth Chart Percentiles Table, <code>gcp</code>, Male Percentiles or Female Percentiles fields,</td>
</tr>
<tr>
<td></td>
<td>Data Point(s) subfield, Bottom (X) Axis Value sub-subfield.</td>
</tr>
<tr>
<td>NOTE:</td>
<td>Data can also be manually entered in the above mentioned field, however it is recommended to load</td>
</tr>
<tr>
<td></td>
<td>the data from the loader.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>

### Measurement Type

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Displays the type of measurement used for the data points on the Bottom (X) Axis.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Displays the following options for selection:</td>
</tr>
<tr>
<td></td>
<td>✦ (L) Length</td>
</tr>
<tr>
<td></td>
<td>✦ (M) Mass</td>
</tr>
<tr>
<td></td>
<td>✦ (A) Age</td>
</tr>
<tr>
<td></td>
<td>When the Measurement Type field is defined as Mass, Length, or Age, causes the Unit of Measure</td>
</tr>
<tr>
<td></td>
<td>subfield to display for definition.</td>
</tr>
<tr>
<td></td>
<td>✦ (B) BMI/Other</td>
</tr>
<tr>
<td>System Use</td>
<td>Filters the options that display for the Unit of Measure subfield below.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
</tr>
</tbody>
</table>
### Unit of Measure

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the unit of measure to represent the values defined within Growth Chart Percentiles Table, <code>*nt(“gcp”)</code>, Male Percentiles or Female Percentiles fields, Data Point(s) subfield, Bottom (X) Axis Value sub-subfield. This field displays when the Measurement Type field is defined as Mass, Length, or Age.</th>
</tr>
</thead>
</table>
| Input | When Length is defined in the Measurement Type field, displays the following options for selection:  
  - millimeters  
  - centimeters  
  - meters  
  - inches  
  - feet  
  When Mass is defined in the Measurement Type field, displays the following options for selection:  
  - milligrams  
  - grams  
  - kilograms  
  - ounces  
  - pounds  
  - stones  
  When Age is defined in the Measurement Type field, displays the following options for selection:  
  - days  
  - months  
  - years  |
| System Use | Determines the value of the data points loaded into the System for the Bottom (X) Axis. |
| Impact of Change | Edits and additions are effective immediately. |

### Male Percentiles

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the percentiles for the male statistical norms.</th>
</tr>
</thead>
</table>
| Input | Add/Delete Editor  
Displays the following subfields for definition:  
  - Percentile  
  - Bold?  
  - Data Points |
| System Use | Determines the percentile values and characteristics used when displaying the percentile lines. These subfields are defined multiple times, one for each percentile line on a growth chart. |
| Impact of Change | Edits and additions are effective immediately. |
Female Percentiles

Purpose: Defines the percentiles for the female statistical norms.

Input: Add/Delete Editor
 Displays the following subfields for definition:
- Percentile
- Bold?
- Data Points

System Use: Determines the percentile values and characteristics used when displaying the percentile lines. These subfields are defined multiple times, one for each percentile line on a growth chart.

Impact of Change: Edits and additions are effective immediately.

Percentile

Purpose: Defines the percentile line. This information represents the name of the string of data points defined in the Data Points subfield below (for example, 5th, 25th, 50th percentile, and so on.).

Input: Free-text
  10 character limit
  Required

System Use: Displays this name, along with the information defined in the Growth Chart Percentile Name field, for selection in the Growth Chart Table, \(^{nt("gc")},\text{ Percentiles} \) field.

Displays this name on the Growth Chart application, next to the percentile line created from the data point values.

Impact of Change: Edits and additions are effective immediately.

Bold?

Purpose: Defines whether the percentile line displays in bold typeface on the growth chart.

Input: Yes/No
  Defaults to no

System Use: Yes – Bolds the percentile lines on the growth chart.
No – Does not bold the percentile lines on the growth chart.

Impact of Change: Edits and additions are effective immediately.
### Data Points

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Defines the data points required to create the percentile line on the growth chart.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Add/Delete Editor</td>
</tr>
<tr>
<td></td>
<td>Displays the following subfields for definition:</td>
</tr>
<tr>
<td></td>
<td>‣ Bottom (X) Axis Value</td>
</tr>
<tr>
<td></td>
<td>‣ Left (Y) Axis Value</td>
</tr>
<tr>
<td>System Use</td>
<td>Uses the data points in this field to create the percentile line being defined, which displays on the growth chart.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
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### Bottom (X) Axis Value

<table>
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<th>Purpose</th>
<th>Defines the exact data point values that are used to plot on the Bottom (X) Axis.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>Free-text</td>
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<td>10 character limit</td>
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<tr>
<td></td>
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<td></td>
<td><strong>NOTE:</strong> Value entered here must be correctly represented by the Bottom (X) Axis unit of measure selected.</td>
</tr>
<tr>
<td>System Use</td>
<td>Displays the value on the Bottom (X) Axis for the growth chart.</td>
</tr>
<tr>
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<td>Edits and additions are effective immediately.</td>
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### Left (Y) Axis Value

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<th>Purpose</th>
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<td>Input</td>
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<td></td>
<td><strong>NOTE:</strong> Value entered here must be correctly represented by the Left (Y) Axis unit of measure selected.</td>
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<tr>
<td>System Use</td>
<td>Displays the value on the Left (Y) Axis for the growth chart.</td>
</tr>
<tr>
<td>Impact of Change</td>
<td>Edits and additions are effective immediately.</td>
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