# Form Export

## General

A form export file is a plain text file that consists of three record types: a signature line, a form identification line, and lines of form items. Each line is terminated with a standard Windows ENTER. Strings are enclosed in double quotes.

## Form Signature

The form signature record consists of the string, "MedcinForm-V1.1". The signature string version portion may change with future revisions.

## Form Identification

The form identification line consists of four fields that are comma delimited:

1. The FormName, with the FormID number appended following a tilde.
2. The FormGroup.
3. The FormOwner.
4. The FormSID.

An example of this line is: "Adult URI~88","AAA","System","ebb5b3ab-2799-4bdb-9bd1-2108c0dcd3ff"

## Form Items

The remainder of the form export file consists of lines of information where each line contains the comma-delimited data of a form item. The data fields are:

1. Page: Contains the page number of the page to render the form item.
2. PositionLeft: The position fields describe the rectangular boundary of the form item, in pixels.
3. PositionTop
4. PositionRight
5. PositionBottom
6. MedcinID: Contains the Medcinid for Medcin finding items; the PickListID for PickList items.
7. Flags: Contains a composite value that describes the components making up the item. See the FormComponent Enum of this object for a list of distinct values.
8. Prefix: Contains the prefix code of a Medcin finding object. Starting with MedcinForms version 1.0.1, this property contains the following qualifiers and fields, each delimited with a “|” character: Prefix, Modifier, Result, Status, Value, LinkGroup, Box offset, Inline textbox width, custom component sequence, index to reference list, specified narrative group assignment, “Yes control” caption, “No control” caption, and automatic browse flag (bits 0-1) combined with disable HPI-ROS toggle (bit 2) combined with Disable Gender Checking (bit 3) combined with ValueSum (bit 4), limit max, limit min, ribbon trigger ID, Cluster ID, Parent Ribbon ID, Radio Button Group, Image ID, HotSpotSet identifier, Parent Frame for all objects other than boxes or grids., code mapping, user assigned subgroup.
9. ItemData: Contains packed data and possibly a string usually used for logic expressions.
10. Description: Contains optional packed data and the item’s caption.

### Notes

1. Length of strings assigned by the Form’s Designer to the Description, ItemData, and Prefix properties will be limited to the field sizes for these properties passed by the Forms Designer host application. This will default to 255 if the host application does not set these properties. The TestGUI application obtains the sizes from the FormItem table’s definition.
2. Flags: These are values assigned to various components of a form design.

* fc\_LEFT = 1: Left alignment, where applicable
* fc\_RIGHT = 2: Right alignment, where applicable
* fc\_LINE = 1: Line object
* fc\_BOX = 2: Frame object
* fc\_TREE = 4: Data entry Tree object
* fc\_IP = 8: IP buttons on toolbar (Version <1)
* fc\_GRID = 8: Grid object (Version 1)
* fc\_ANEG = 16: &H10: Autoneg button on toolbar (Version <1)
* fc\_RIBBON = 16: &H10: Ribbon Bar object (Version 1)
* fc\_TABSTRIP = 32: &H20: Form has page control
* fc\_PICTURE = 64: &H40: Picture object
* fc\_REQ = 128: &H80: Medcin Finding entry is required
* fc\_CHKY = 256: &H100: Medcin Yes checkbox component
* fc\_CHKN = 512: &H200: Medcin No checkbox component
* fc\_ROS = 1024: &H400: Medcin ROS state
* fc\_VALUE = 2048: &H800: Medcin Textbox to enter value
* fc\_BROWSE = 4096: &H1000: Medcin Button to browse children findings
* fc\_NOTE = 8192: &H2000: Medcin Note button to popup note box for Medcinid > 0. When the flag value is identical to fc\_Note and the Medcinid is 0, the record either: (Page=0) the pre-defined chapter headings in the description and itemdata properties (substrings are delimited with a tilde character), or (Page=1) the pre-defined Encounter-specific User SubGroup headings in the description and itemdata properties (substrings are Tab delimited)
* fc\_LINK = 16384: &H4000: Button to link another form
* fc\_LABEL = 32768: &H8000: Label for captions
* fc\_UPDOWN = &H10000: Medcin UpDown button
* fc\_HASDATA =65536: &H20000: Logic display indicator
* fc\_REFERENCE =262144: &H40000: Reference document, or finding reference button
* fc\_ONSET =524288: &H80000: Medcin Onset combo
* fc\_FORM = 1048576: &H100000: Form size
* fc\_SEARCH = 2097152: &H200000: Word search toolbar
* fc\_ACTION = 2097152: &H200000: Action component
* fc\_TEXTBOX = 4194304: &H400000: Medcin Free text entry box
* fc\_DROPBOX = 8388608: &H800000: Medcin|Picklist Drop down list box
* fc\_LISTBOX = 16777216: &H1000000: Medcin|Picklist Full list box
* fc\_LISTVIEW = &H1400000: Medcin|Picklist multi-column listview
* fc\_INLINENOTE = &H2000000: Medcin Inline textbox
* fc\_RICHTEXTBOX = 20971520: &H2400000: Medcin rich textbox
* fc\_PICKLIST = 134217728: &H8000000: Picklist
* fc\_ROSTGL = 268435456: &H10000000: Medcin ROS toggle button
* fc\_WINDOW = 536870912: &H20000000: Window
* fc\_TIMING = 1073741824: &H40000000: Timing Button component

1. ItemData: Information is packed into this property as sub-fields delimited with a vertical bar “|” character. Where a logic expression is included, it is always placed last. Thus if present, it must be parsed first since the logic string may contain the vertical bar character. Sub-fields are as follows:

* A=n Specifies the Parent Frame of a grid object.
* B=c Specifies the Font Bold attribute, c is T or F. For a tree object, this specifies the availability of mouse browsing. For a ribbon object, this specifies the bottom offset.
* C=n Specifies the ForeColor of the object’s caption, or the collapse offset of a ribbon object.
* E=n Specifies the Even Row back color (grid object)
* F=s Specifies the Font Name for the caption text.
* G=n Specifies the RibbonID for a ribbon bar; specifies the comma-delimited list of chart column item enum values for listview associated with Medcin or Picklist objects..
* H=n Specifies a chapter assignment for a ribbon or frame component. When assigned, findings that are contained within the frame or ribbon will be given the chapter number assigned.
* I=c Specifies the Font Italic attribute, c is T or F. For a tree object, this specifies the availability of intelligent prompting.
* K=n Specifies the BackColor of the object.
* L=s Specifies the logic equation or other list, if any, and is always last. It may contain a list of Medcinids for use with an internal drop list pick list. It may contain a list of ImageIDs for use with an imager control object.
* M=n Integer value specifies the composite image marker style

|  |  |
| --- | --- |
| **Bits** | **Description** |
| 0-2 | Fill Style |
| 3-5 | Draw Width |
| 6-8 | Draw Style |
| 9-10 | Size: 0=full, 1=3/4, 2=1/2, 3=1/4 |
| 11 | Shape: 0=rectangular, 1=ovoid |

* N=n Unique numeric object identifier of the form item.
* O=n Specifies the value of the options property, or the Odd Row back color (grid object).

|  |  |
| --- | --- |
| **Value** | **Description** |
| 1 | Medcin object: Used internally for “Finding description has been edited” |
| 2 | Medcin object: Disable mouse browsing for this finding |
| 8 | Medcin object:: Disable cluster on Y |
| 16 | Medcin object: Disable cluster on N |
| 256 | Designer inverted concept from Medcin |
| 1 | Link button object: Fire when first logic True |
| 2 | Link button object: Raise message when first logic True |
| 4 | Link button: Button is a user button |
| 8 | Link button object: Button is an autoneg action button |
| 16 | Link button object: Button is an autopos action button |
| 32 | Link Button object: Button is a negblock action button |
| 64 | Link Button object: Button is a posblock action button |
| 128 | Link Button object: Button is a flowsheet action button |
| 256 | Link Button object: Button is a reference button |
| 1 | Ribbon object: auto expand ribbon on yes |
| 2 | Ribbon object: autocollapse on no |
| 4 | Ribbon object: hide ribbon on collapse |
| 8 | Ribbon object: show button |
| 16 | Ribbon object: autoexpand on no |
| 32 | Ribbon object: autocollapse on yes |
| 2 | Picture object: Picture is an imager component |
| 4 | Picture object: Set associated finding positive on click |
| 8 | Picture object: Set associated finding negative on click |
| 16 | Picture object: Set associated finding’s prefix on click |
| 32 | Picture object: Set associated finding’s value on click |
| 2 | List Object: Allow node expansion |
| 4 | List Object: Logic state; disabled=0, enabled=1 |
| 8 | List Object: Disable until logic true |
| 16 | List Object: Activate on first logic true |
| 32 | List Object: Relocate origin of treeview relative to object |
| 64 | List Object: Sort inline list captions |
| 128 | ListView Object: Use color |
| 156 | ListView Object: auto resize columns |

* P=s Specifies the tool tip for objects with captions.
* P=n Specifies the Parent ribbon of a Grid object.
* R=n Specifies the Row Interval property (grid object). For a ribbon component, this is the RibbonRight property.
* S=n Specifies the BorderStyle property, n is 0 or 1. For a tree object, this specifies the availability of word search. For a ribbon component, this is the ColumnSpan property.
* T=n Specifies the Back Style property, n is 0 = Transparent, 1 = Opaque. For a ribbon component, this is the RibbonLeft property. This indicates whether or not a frame object is DrawOnly.
* U=c Specifies the Font Underline attribute, c is T or F.
* V=n Specifies the ValueBoxChars enum value designating restrictions on what type of characters are allowed in a value box: 0=AllowAll, 1=AllowNumbers, 2=AllowLetters.
* W=n Specifies the Draw Width property of drawing objects.
* Y=n Specifies the style of the yes and no entry component, 0, 1, 2, 4, 5, or 6, or the TopOffset of a ribbon component.

1. For the fc\_Form component, PositionRight contains the form’s width and PositionBottom contains the form’s height. For all other presentation objects, the position properties describe the bounding rectangle of the object.
2. For a fc\_Reference object, the caption is contained in the Description property. The ItemData property contains the Logic, Doctor reference path, and Patient reference path delimited with a Tab character (e.g. “Logic^tDRP^tPRP”). You can discriminate a reference object from a Medcin object since a reference object will have only the fc\_Reference bit set.
3. The first item other than the fc\_Form item may contain the backcolor of the form in the description property. When this occurs, the string starts with a colon followed by the numeric value of the color in decimal followed by a colon (e.g. “:12632256:Page 1|Page 2”). Each vertical bar delimited sub-string is the caption for a tab page. Each sub-string can be prefixed with a number sign, less than, or greater than character which designates no browsing, left lateral, or right lateral. This can be followed by a percent sign and numeric digit that indicates the number of columns specified for the page. When the page has a narrative chapter number assigned, it will appear as a uffix delimited with a tilde character.Form global data is also contained in the ItemData property of this item. This data is as follows:

* V=versionstring If present, this contains the version of the designer at the time the form object was saved. If not present, the version is less than 1.
* DF=n Specifies the availability of the entry details frame at runtime, where n is 0 = unavailable, 1 = hidden but showable, 2 = visible but hideable.
* CB=n Specifies the default style of the yes and no entry component, where n is 0 = full checkbox, 1 = terse checkbox, 2 = box-only checkbox, 4 = full radio button, 5 = terse radio button, 6 = box-only radio button.
* EM=n Specifies the availability of the E&M button.
* FB=n Specifies the availability of the FlowSheet button.
* PB=n Specifies the availability of the auxiliary *positive* buttons, where n is 0 = none, 1 = AutoPos, 2 = Pos all on page, 3 = both AutoPos and All pos on page.
* NB=n Specifies the availability of the auxiliary *negative* buttons, where n is 0 = none, 1 = AutoNeg, , 2 = Neg all on page, 3 = both AutoNeg and Neg all on page.
* ROS=n Specifies the availability of the ROS button, where n is 0 = not available, 1 = available.
* PL=n Specifies the availability of the PickList button
* PS=n No longer used as the page button style is always TabStrip.
* TP=n Specifies the placement of tabs for TabStrip style page buttons, where n is 0 = top, 1 = bottom, 2 = left, 3 = right.
* MR=c Specifies the multi-row property for TabStrip style page buttons, where c is T or F
* BS=n Specifies the border style of the page, where n is 0 = border, 1 = no border.
* TWS=n Specifies the tab width style for TabStrip style page buttons, where n is 0 = justified, 1 = non-justified, 2 = fixed.

1. For an fc\_Picklist object, the Medcinid property contains the list’s ListID. The description property contains the caption of the list and the list name delimited by a colon (e.g. “If you have lower back pain:LOWER BACK PAIN”). The picklist object uses the link group and box offset sub-fields of the prefix property. It may make use of the attributes packed into the ItemData property. When it is an internal drop list, the list of Medcinids is contained in the ItemData field. A ListSID value, if available, is in the 1st Prefix sub-field
2. An fc\_Line object has drawing data packed into the description property. This includes fore color, draw style, fill style, and draw width. These are delimited by a colon. The line caption, if any, follows (e.g. “0:0:1:2:This line has a caption without an arrowhead”). Fill color is always the same as fore color. For lines, fill style determines if the line has an arrow head. For horizontal lines, 5 designates a left arrow head and 4 designates a right arrow head. For vertical lines, 5 designates an up arrow head and 4 designates a down arrow head.
3. An fc\_Box object has drawing data packed into the description property. This includes fore color, draw style, fill style, and draw width. These are delimited by a colon. The box caption, if any, follows (e.g. “0:0:1:1:2 Month Milestones”). Fill color is always the same as fore color. When the fore color is 0, the box is rendered as a standard frame and may include a caption, a logic equation, and an LED component.
4. An fc\_Label object makes use of the ItemData property attributes. Alignment is interpreted based on the presence of the fc\_Left or fc\_Right flag property bits. The caption interprets the presence of single tilde characters (“~”) in the description property as a CR-LF pair.
5. An fc\_Note object with a Medcinid of 0 is used to contain string information as follows: For Page=0, the chapter heading string is split across the description and itemdata properties. For Page=1, the SubGroup heading string is split across the description and itemdata properties.
6. For an fc\_Window object, the caption and signature are packed into the description property delimited with a colon (e.g. “Sample Demographics:MedDemo.Demog”).
7. An fc\_Link object is interpreted as a button that is associated with another form object. The description property contains the button’s caption and the name of the associated form delimited with a colon. If the button has a pre-assigned message, the message string will be appended to the end of the description property delimited with a tilde (“~”) character. The Medcinid field contains the FormID of the associated form. On a multi-page form, if the Page property is 0, the button will appear on all form pages, otherwise it will appear only on the designated page. A FormSID value, if available, is in the 1st Prefix sub-field.
8. For an fc\_Picture object, the description property is expected to be the index key of the picture in the FormPictures collection. If the object is an imager control, the ItemData property is used for additional properties, and the description is empty.
9. For an fc\_Tree object, the presence of fc\_Left or fc\_Right flag bits specify the global setting of left or right lateral only attributes for tree browsing.
10. An fc\_Grid object makes use of the attributes packed into the ItemData property. The prefix property contains the number of columns. A grid object that contains row captions makes use of continuation items that are identified by a non-zero Medcinid property. Row captions are contained in the Description, Itemdata, and Prefix properties consecutively of the continuation item. More than one continuation item may be present if the captions exceed the combined allowable sizes of the property fields.
11. An fc\_Medcin object makes use of the packed prefix property and the packed ItemData property. If a free text string is pre-assigned, it will be appended to the description property delimited with a tilde (“~”) character. If the object incorporates an UpDown component, the minimum, maximum, and increment values are packed into the front of the description property delimited with colons and starting with a colon (e.g. “:0:10:1:daily coffee consumption”).

## Form Export File Example:

"MedcinForm-V1.1"

"Imager hot spots~376","Test forms","System","583b3333-5bd2-4072-8b77-efe348fc1b38"

0,0,0,720,400,0,1048576,"","",""

2,0,0,0,0,0,32," |||||||0|0||0|0|||0|||0|0|0|0|0|0|||","V=12:DF=2:PS=1:TP=0:MR=F:BS=0:TWS=0:PB=0:NB=1:ROS=0:PL=1:FB=1:EM=1:CB=1",":-2147483633:Page 1|Page 2"

0,365,5,715,395,0,4,"","I=TS=TB=F",""

1,10,10,350,30,10,135936," |||||||19|80||0|0|||0|||0|0|0|0|25|0|||","","Headache"

1,10,40,350,60,90,135936," |||||||19|80||0|0|||0|||0|0|0|0|0|0|||","","Sinus Pain"

1,10,70,350,90,1613,135936," |||||||19|80||0|0|||0|||0|0|0|0|0|0|||","","Lightheadedness"

1,380,30,700,350,0,64," |||||||0|0||0|0|||0|||0|0|0|0|0|0|||","O=2|M=0|C=32768|L=25,85",""

1,10,100,350,120,3726,135936," |||||||19|80||0|0|||0|||0|0|0|0|-1|0|||","","Reported Prior Thyroid Disease"

2,380,20,700,380,0,64," |||||||0|0||0|0|||0|||0|0|0|0|0|0|||","O=2|M=0|C=32768|L=-4",""

2,10,10,230,30,281441,135936," |||||||19|80||0|0|||0|||0|0|0|0|-4|0|||","","Abdominal Bloating"List Export Format

## General

A list export file is a plain text file that consists of three record types: a signature line, a list identification line, and lines of list items. Each line is terminated with a standard Windows ENTER.

## List Signature

The list signature record consists of the string, "MedcinList-V1.2". The signature string version portion may change with future revisions.

## List Identification

The form identification line consists of four fields that are comma delimited:

1. The ListName, with the ListID number appended following a tilde.
2. The ListGroup.
3. The ListOwner.
4. The ListSID.

An example of this line is: "Autoneg~111","Tests","Division","8bde3dbb-ebc6-49ae-a528-73ad0c7a66df".

## List Items

The remainder of the list export file consists of a line for each item of the list. Each line is a comma-delimited set of fields as follows:

1. Item sequence.
2. MedcinID: This is the unique Medcin identifier.
3. Flag: This contains a combination of flag bits:

* DoNotEnter = 0: Do not automatically enter the item.
* EnterROS = 1: The symptom item should be entered into the ROS narrative group.
* EnterNegative = 256: Auto-enter the item as negative.
* EnterPositive = 512: Auto-enter the item as positive.
* ListSize2 = 1024: Item is in list size 2 - default is 1.
* ListSize3 = 2048: Item is in list size 3 - default is 1.
* AllChildFindings = 512: When used as a custom flow sheet, include all children findings.
* ShowEmpty = 256: When used as a custom flow sheet, show even if no historical data

1. Prefix: This is the Medcin prefix qualifier code to be applied to the finding
2. Tag: This is a string form of the application’s Tag property; it is not used by Medcin presentation objects.
3. Note: This is a free-text note that is attached to the Medcin finding.
4. Group: This is used to pre-assign a narrative group; use 0 for the Medcin default

## List Export File Example:

"MedcinList-V1.2"

"Autoneg~111","Tests","Division","8bde3dbb-ebc6-49ae-a528-73ad0c7a66df"

1,279,0," ","","",0

2,290,0," ","","",0

# Chart Export Format

## General

A chart export file is a plain text file that consists of various record types: a signature line, a record type line, and records of particular types: patient, encounter, chapter headings, sub-group headings, chart finding, Rx info, and summary records. Each line is terminated with a standard Windows ENTER. A file can contain export data of a single encounter or multiple encounters.

## Chart Signature

The chart signature record consists of the string, "MedcinChartt-V2.4". The signature string version portion may change with future revisions. The following finding instance properties were added to the chart export format in moving from version 2.3 to 2.4: EditDateTime, Codes, Specifier, and Timing

## Chart Record Types

A record type line consists of a single number that indicates the type of the record that immediately follows this line. Record types are:

* 1 indicates a patient record follows
* 31 indicates a record containing tab-delimited chapter strings for the preceding encounter; when present, this record type always follows the respective encounter record.
* 32 indicates a record containing tab-delimited miscellaneous group sub-group headings for the preceding encounter; when present, this record type always follows the respective encounter record.
* 5 indicates an Rx record; when present it immediately precedes the chart record to which it belongs.
* 4 indicates a chart finding record.
* 9 indicates a summary record. It is present only when the export file contains multiple encounters and the patient has a summary.

## Patient Record

The patient record consists of the following comma-delimited fields:

1. PID: This is the patient identification string used to identify the patient.
2. LastName: This is the patient’s last name.
3. FirstName: This is the patient’s first name.
4. Birthdate in YYYYMMDD format. This is the patient’s date of birth.
5. Gender: This is a one-character string that contains the gender code that is one of the codes obtained from the Medcin QualifierList for “GENDER”.

| **code** | **description** |
| --- | --- |
| F | Female |
| M | Male |
| U | Unknown |

1. Ethnic: This is a one-character string that contains the ethnic code that is one of the codes obtained from the Medcin QualifierList for “ETHNIC”.

| **code** | **description** |
| --- | --- |
| B | African |
| C | Chinese |
| G | German |
| H | Hispanic |
| I | Indian |
| J | Japanese |
| K | Aus. Aborigine |
| M | Mediterranean |
| P | Pacific Islander |
| R | Arab |
| S | Sephardic Jew |
| T | Iranian |
| U | Unknown |
| V | Scandinavian |
| Y | Slavic |
| Z | Slovak |

1. Religion: This is a one-character string that contains the religion code that is one of the codes obtained from the Medcin QualifierList for “RELIGION”.

| **code** | **description** |
| --- | --- |
| B | Buddhism |
| C | Catholic |
| H | Hindu |
| I | Islam |
| J | Judaism |
| M | Mormon |
| N | None |
| P | Protestant |
| R | Christ Scientist |
| S | Shinto |
| U | Unknown |
| W | Jehovah's Witness |

1. Race: This is a one-character string that contains the race code that is one of the codes obtained from the Medcin QualifierList for “RACE”.

| **code** | **description** |
| --- | --- |
| A | Am. Indian |
| B | Black |
| C | Caucasian |
| J | Ashkenazi Jew |
| O | Oriental |
| U | Unknown |

1. MaritalStatus: This is a one-character string that contains the marital status code that is one of the codes obtained from the Medcin QualifierList for “MARITAL”.

| **code** | **description** |
| --- | --- |
| D | Divorced |
| L | Legally Separated |
| M | Married |
| S | Single |
| U | Unknown |
| W | Widowed |

1. LastUniqueID: This is the last unique identifier used for this patient in storing chart records.

## Encounter Record

The encounter record consists of the following comma-delimited fields:

1. EncounterTime in Medcin date format (YYYYMMDDHHNNSS).
2. BaseDate in Medcin date format (YYYYMMDDHHNNSS). This is used to associate a collection of encounters to a single date.
3. EncounterCodeNumber: This is a reference number for the EncounterCodeName.
4. EncounterCodeName: This is a description for the type of encounter.
5. ProviderID: This is the ID of the provider responsible for this encounter.
6. Tag: This is the string form of an application provided tag. It is not used by Medcin presentation objects but is provided as a reference for your hosting program.

## Chapter Headings Record

The chapter headings record is used to provide a string that contains headings for each chapter in this encounter. It is a tab-delimited string where each sub-string is a heading of a chapter; the position of the sub-string identifies the number of the chapter it is a heading for.

## Sub-Group Headings Record

The sub-group headings record headings record consists of the tab-delimited string of sub-group headings. SubGroup captions are contained in a tab-delimited string with each caption having the syntax: 'sgn-caption'. 'sgn' is the value of the subgroup number for which the 'caption' applies. The sequence of the substrings within the string determines the presentation order of subgroups to which they apply. Note that these captions are applicable only to findings where the application has assigned one of the miscellaneous narrative groups

## Chart Finding Record

The chart finding record consists of the following comma-delimited fields:

1. UniqueID: is the unique identifier required for data entry.
2. Seq: contains the user’s assigned sequence for a finding in the assessment narrative group.
3. Medcinid: is the permanent Medcin identification number.
4. Flag: stores a bit structure used by the GUI modules to further classify the finding. Bit assignments are as follows:

* None = 0: no flag bit set.
* ROS = 1: Show finding as ROS, not HPI.
* ChiefComplaint = 2: Show finding as a Chief Complaint.
* TextFirst = 4: Show free text finding to be narrated at beginning of group.
* Active = 8: Show finding as active problem.
* Chronic = 16: Show finding as chronic.
* NewProblem = 32: Show finding as new to provider
* WorkupPlanned = 64: Show finding as additional workup planned.
* Form = 128: Show finding as entered from a pop-up form.
* Changed = 256: Used internally; finding has been changed..

1. Prefix: is the Medcin prefix qualifier code string.
2. Modifier: is the Medcin modifier qualifier code string.
3. Result: is the Medcin result qualifier code string.
4. Status: is the Medcin status qualifier code string.
5. Episode: is a string that contains a packed version of the episode fields; the format is “expression|FreqFm|FreqTo|DurFm|DurTo”. Expression is “F” for *frequency* or “I” for *interval*. Each additional field is formatted as a series of digits followed by a time unit character (“N” minute, “H” hour, “D” day, “W” week, “M” month, “Y” year). The string is converted to presentation format for narration.
6. Onset: is the onset of the observation in Medcin date format, (YYYYMMDDHHNN).
7. Duration: is the duration of the finding maintained as a unit of time (a number followed by a unit of time specification character).
8. QualifierLink: is the code string assigned for linking two findings, the link group code assigned when grouping two or more related findings, or a CCC code indicating a linkage to an RNDx finding.
9. QualifierLinkSequence: is the UniqueID number of the linked finding.
10. Referid: is the id number assigned to a physician who is referred the patient for this finding.
11. Value: is the measurement value assigned.
12. Unit: is the unit for the value field.
13. RangeNormalLow: is the normal low value of the range.
14. RangeNormalHigh: is the normal high value of the range.
15. RangeScale: is the calculated range scale.
16. eDocId: used to set the DoctorID when the doctor entering the data is not the DoctorID as specified in the Encounter record for the encounter.
17. ReferenceID: is the reference identification for tests and therapies.
18. Note: contains the free-text note attached to the finding.
19. Group: stores the Narrative group if assigned by the application or pre-assigned in a form, otherwise the value stored is 0.
20. Chapter: is available for storing an encounter chapter assignment.
21. UserSubGroup: is a property an application assigns to a chart object provided the Group property is one of the miscellaneous narrative groups.
22. EditDateTime: This contains the last date and time that a property of this object was changed. It is up to the application to maintain this property
23. Codes: This property contains codelink codes assigned during user session. The syntax of a Codes string is as follows: “codetype,code[;codetype,code]”
24. Specifier: This is a semicolon delimited list of codespec lists. A codespec list is a comma-delimited list of codes. The specifier property can contain more than one list of codes, with each list delimited using a semicolon. The specifier starts with a field indicating the codetype of the code used to obtain the lists (ex: 23;A,B,D;AB,C,DA). The specifier is used in conjunction with a DSM-IV code to add additional uncoded textual content to commonly used in a finding's narration. The lists would be in sequence with a corresponding codespec record for the DSM-IV code in question.
25. Timing: This is the HL7 timing component assigned for special orders; it is currently used in the nursing module for the assignment of a SIG to RNOx nurse orders.

## Rx Info Record

The Rx information record consists of the following comma-delimited fields:

1. Rxid: Is used by your application as a unique reference to the database storage of the object.
2. Pid: Your patient identifier.
3. EncounterDate: This is the encounter date of the Rx.
4. MedcinID: This is the Medcin identifier.
5. Strength: The numerical strength of the medication.
6. StrengthUnit: One of the qualifier codes identified for “RXSTRUNIT”.
7. Form: One of the qualifier codes identified for “RXFORM”.
8. IV: A string describing an intravenous injection.
9. Quantity: The numerical quantity of the medication.
10. QuantityUnit: One of the qualifier codes identified for “RXQUANUNIT”.
11. Route: One of the qualifier codes identified for “RXROUTE”.
12. Frequency: One of the qualifier codes identified for “RXFREQ”.
13. RxWhen: One of the qualifier codes identified for “RXWHEN”.
14. NumberOfDays: Number of days prescribed.
15. Amount: The numerical amount of the medication
16. FormPackage: One of the qualifier codes identified for “RXAMOUNT”.
17. NumberOfRefills: The number of refills allowed.
18. Generic: Should be “Y” or “N”.
19. Docid: This is your reference id for the responsible provider.
20. BrandName: Brand name prescribed (e.g. Bayer, Tylenol).
21. Lot: The lot number prescribed for the medication.
22. Prefix: One of the qualifier codes identified for “RXPREFIX”.
23. Site: One of the qualifier codes identified for “RXSITE\*”.
24. ManufacturerName: The name of the company making the drug.
25. Note: A free text note attached to the prescription.

## Summary Record

The summary record consists of the following comma-delimited fields:

1. BaseDate: This contains the base date of the summary record set. A summary record can be part of a set of records i.e. a set of pregnancy history records) all having the same base date. This date would be empty for a a patient summary.
2. Sequence: The sequence of the record in the list of summary records.
3. EncounterTime: This is the encounter date and time that the record was captured from.
4. Group: This is a code number indicating the summary tab to which the item belongs. The codes are: G\_PLAN, G\_PAST\_MED\_HIST, G\_ALLERGYS, G\_FAM\_HIST, G\_PER\_HIST, G\_VACCINES, G\_CURMED, or CS\_VITALS. These constants are defined in the Medicomp.Constants namespace
5. RecordID: This contains the presentation sequence of problems in the problem list
6. RecordType: This is a number that indicates the makeup of the item. It is a combination of the following constants:
7. Const c\_msotNone As Integer = 0
8. Const c\_msotProblem As Integer = 1
9. Const c\_msotPlan As Integer = 2
10. Const c\_msotNote As Integer = 4
11. Const c\_msotDate As Integer = 8
12. Const c\_msotActive As Integer = 256
13. Const c\_msotInactive As Integer = 512
14. Const c\_msotDeleted As Integer = 1024

* Const c\_msotProblemList As Integer = 2048

1. UniqueID: This identifies the chart record from which the summary record was captured.
2. Priority: This is currently unused but reserved for future use.
3. Note: This may contain a note.

## Chart Export File Example:

"MedcinChart-V2.3"

1

"97098","Alda","Alan","19450110","M","U","U","C","U",1198

3

"20080528153100","20080528153100",10,"Office Visit",1002,""

31

"Pain Problems Patient Activities Hypertension Issues Neurological Conditions"

4

1082,0,279,0," "," "," ","W","","","","",0,0,"","",0,0,0,0,"","",0,2,0

4

1083,0,10,0," "," ","N"," ","","","","",0,0,"","",0,0,0,0,"","",0,0,0

4

1084,0,90,0," "," "," ","I","","","","",0,0,"","",0,0,0,0,"","",0,0,0

4

1085,0,281130,0," "," ","N"," ","","","","",0,0,"","",0,0,0,0,"","",0,3,0

4

1086,0,281131,0," "," "," "," ","","","","",0,0,"","",0,0,0,0,"","",0,3,0

4

1087,0,281133,0," "," ","N"," ","","","","",0,0,"","",0,0,0,0,"","",0,1,0

4

1088,0,281134,0," "," "," ","E","","","","",0,0,"","",0,0,0,0,"","",0,1,0

4

1108,0,33288,0," ",""," ","U","","","","",0,0,"","",0,0,0,0,"","",0,2,0