

PatientCareAnalyst™

Your Tool to Drill Down to the Most
Detailed Patient-Level Information Available

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PCA Tutorial and Manual

Version 4.0(updated 05.11.2015)

See our newest products:

PCA PLUS™

PCA Plus:

The new and improved PCA user interface to enhance your data mining experience. PCA Plus displays the same data available in the original PCA software in a more contemporary and user-friendly way. The dynamic interface offers autofill text input fields, one-window viewing, and various design layouts for quick and easy data comparison. Like PCA, customers use PCA Plus for healthcare planning, strategic management, market research and competitive analysis, and improving productivity and profitability within service lines.

PCA PLUS™ Executive Reports

PCA Plus Executive Reports:

A real-time, visual approach to data reporting and the most dynamic version of PCA to date. PCA Plus Executive Reports increases usefulness and efficiency in data analysis and discussion. This software sits on a live database for quick comparison of service lines, time periods, and market areas. Using Tableau data visualization software, PCA Plus Executive Reports presents data in visually appealing and easily understood maps, graphs, and charts.

For more information regarding these products, please contact:

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Introducing the Patient Care Analyst (PCA)

SMA Informatics has extensive experience with health care financial, operational, and utilization data. These data are provided to increase efficiency and overall performance across health care delivery systems nationally and internationally.

The PCA evolved from over twenty years of critical research, market analysis, new technology, and user feedback. The online Windows® PCA is designed to assist CEOs, strategic planners, financial analysts, business developers, and other health care professionals form valuable strategies based on market trends and variances. The PCA traces out-migration of patients in service areas, provides insight to future needs for new services, compares market shares and product lines, and performs DRG, ICD, and CPT code analysis by physician, payer and patient demographics.

Data Sources

Because of its design, the PCA can easily accommodate any State's or health system's patient level database such as inpatient discharges or ambulatory surgery data.

Accessing the PCA

You must be using Microsoft Internet Explorer Version 7.0 or higher to run the Patient Care Analyst. You may also use Mozilla Firefox 10.0 or higher to access PCA. If you do not have Internet Explorer or Firefox on your system, it can be downloaded directly from Microsoft website at www.microsoft.com or www.mozilla.org.

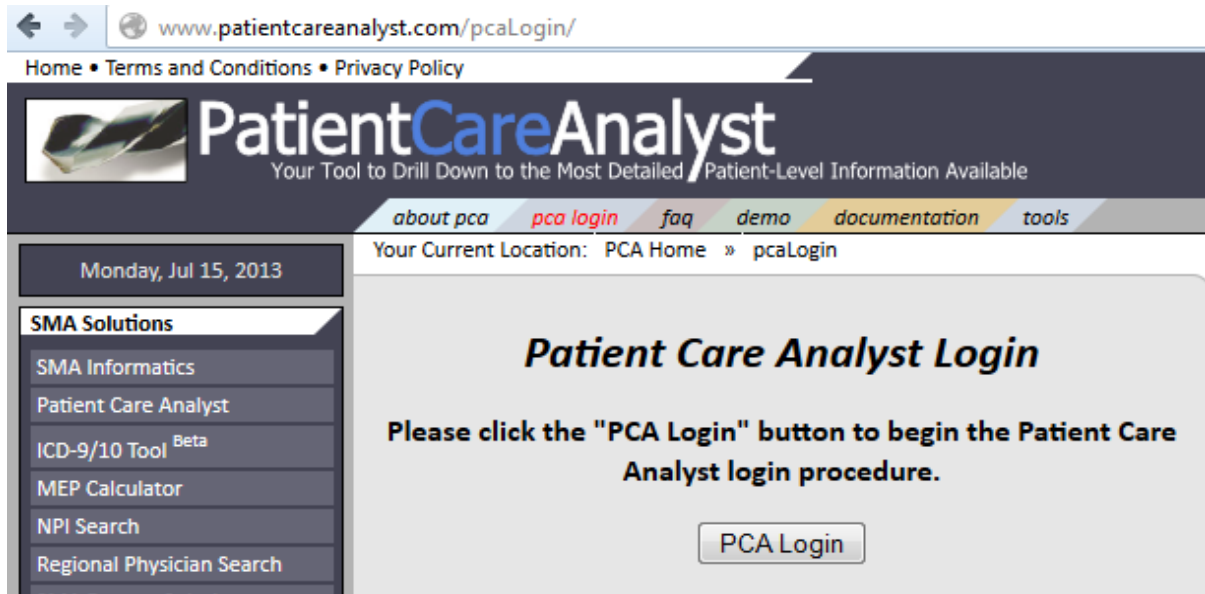
Note: If you have a firewall or a proxy server, ports 1494 and 1604 must be open (try below first before contacting your network administrator).

Note: Your computer may require you to have administrator rights to install PCA. To check whether you are signed in under administrator mode, right click on START button on your computer. If the first option says "open all users", that means you are logged in under the administrator account. If you just see "open", you are signed in under limited account. Please contact your network administrator for temporary administrator rights.

Patient Care Analyst (PCA) allows you to track the migration of patients in service areas, compare market share among competitors and perform DRG, ICD and CPT™ code analysis by payer, facility, physician, patient age group and ZIP code of origin.

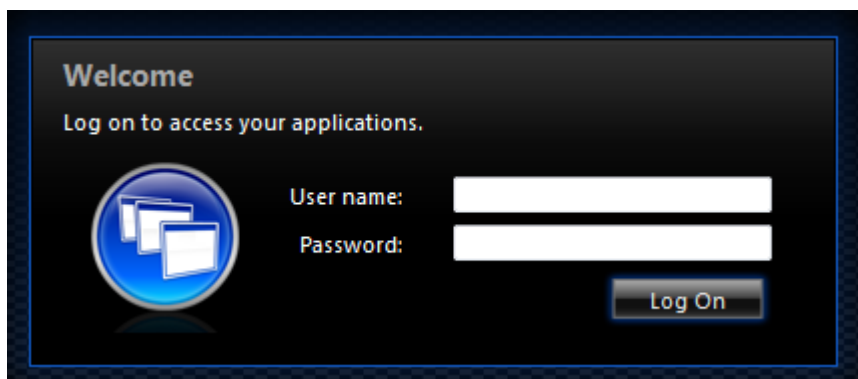
These instructions will help you to log into the PCA system through our Citrix server.

1. Open your web browser and go to <http://www.patientcareanalyst.com/>
2. Click on the “PCA Login” menu item.

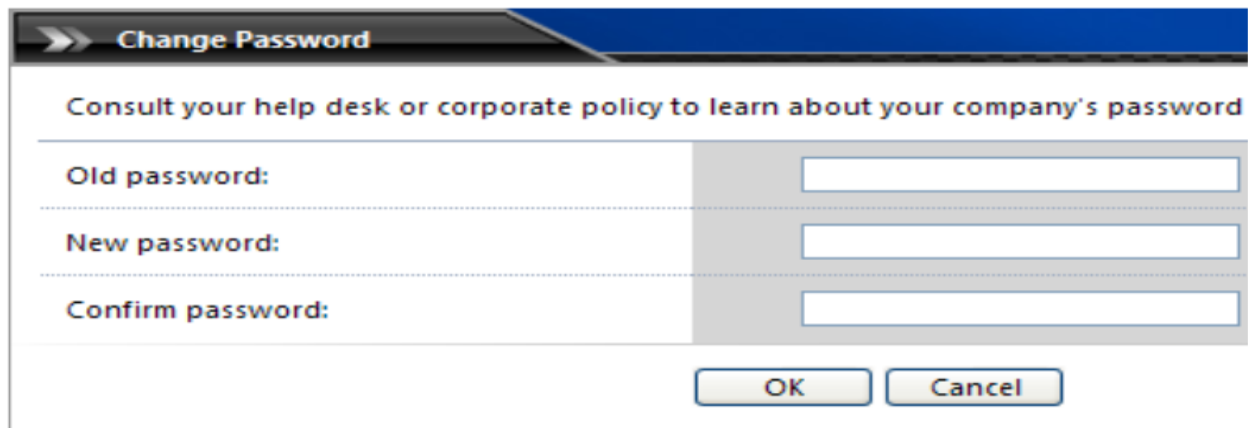


3. On the next page, click on the “Login” button. You may be required to accept an SLL Certificate which you should accept.
4. Enter your PCA username (your Tier 2 username) and Tier 1 password in the Citrix XenApp login window. If this is your first time logging in to the new system, you will have a temporary password. Call SMA Informatics at (804) 344 – 8111 ext. 4 for the password.

NOTE: *DO NOT ADD @smainformatics.com TO YOUR THIS USERNAME*

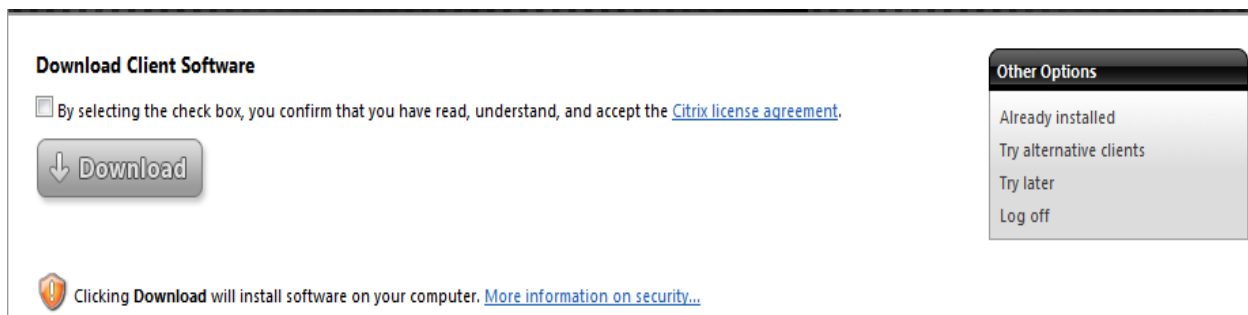


5. After you click “Log On” for the first time, you will be presented with the “Change Password Screen”:

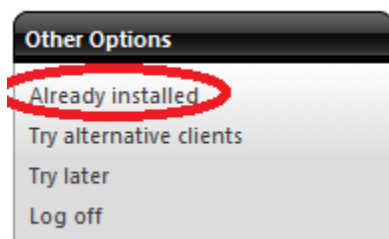
A screenshot of a web-based "Change Password" form. The title bar at the top says "Change Password". Below the title bar, there is a line of text: "Consult your help desk or corporate policy to learn about your company's password". The form contains three input fields: "Old password:", "New password:", and "Confirm password:". Each field has a corresponding text input box to its right. At the bottom right of the form, there are two buttons: "OK" and "Cancel".

Enter your initial password which was emailed to you then fill in your new password and confirm it by typing your new password again.

6. After you've changed your password, you will see the following screen:

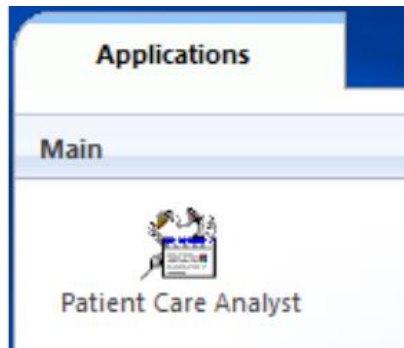
A screenshot of a web-based "Download Client Software" screen. On the left, there is a section titled "Download Client Software" with a checkbox and text: "By selecting the check box, you confirm that you have read, understand, and accept the [Citrix license agreement](#)." Below this is a "Download" button with a downward arrow icon. At the bottom left, there is a warning icon and text: "Clicking Download will install software on your computer. [More information on security...](#)". On the right, there is a panel titled "Other Options" with four links: "Already installed", "Try alternative clients", "Try later", and "Log off".

If you already have the Citrix client installed (if you've used PCA before from this machine) simply click the first option on the right “Already Installed.”

A close-up screenshot of the "Other Options" panel. The panel has a title bar "Other Options" and four links: "Already installed", "Try alternative clients", "Try later", and "Log off". The "Already installed" link is circled in red.

Otherwise, click the “Download” button and install software. You may also see a yellow - tan bar at the top of your screen if you are running Internet Explorer. It is asking you if you'd like to run the Citrix ICA Client Object from Citrix Systems, Inc. Left - click on that bar and select Run Add - on.

7. You should now see your Applications WebTop which will have a PCA icon. Click the PCA icon to open PCA and log in to the application.

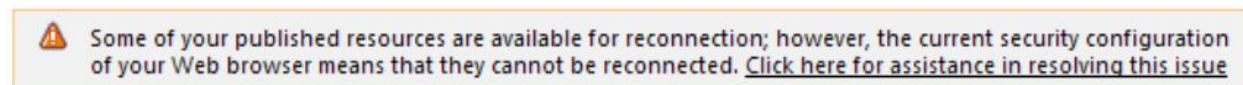


8. The login screen for PCA has not changed and if you are a client of SMA Informatics with a PCA subscription from before the upgrade to our system, your username and password is still the same as before.



9. Enter your PCA username and Tier 2 password then click OK to start using PCA!

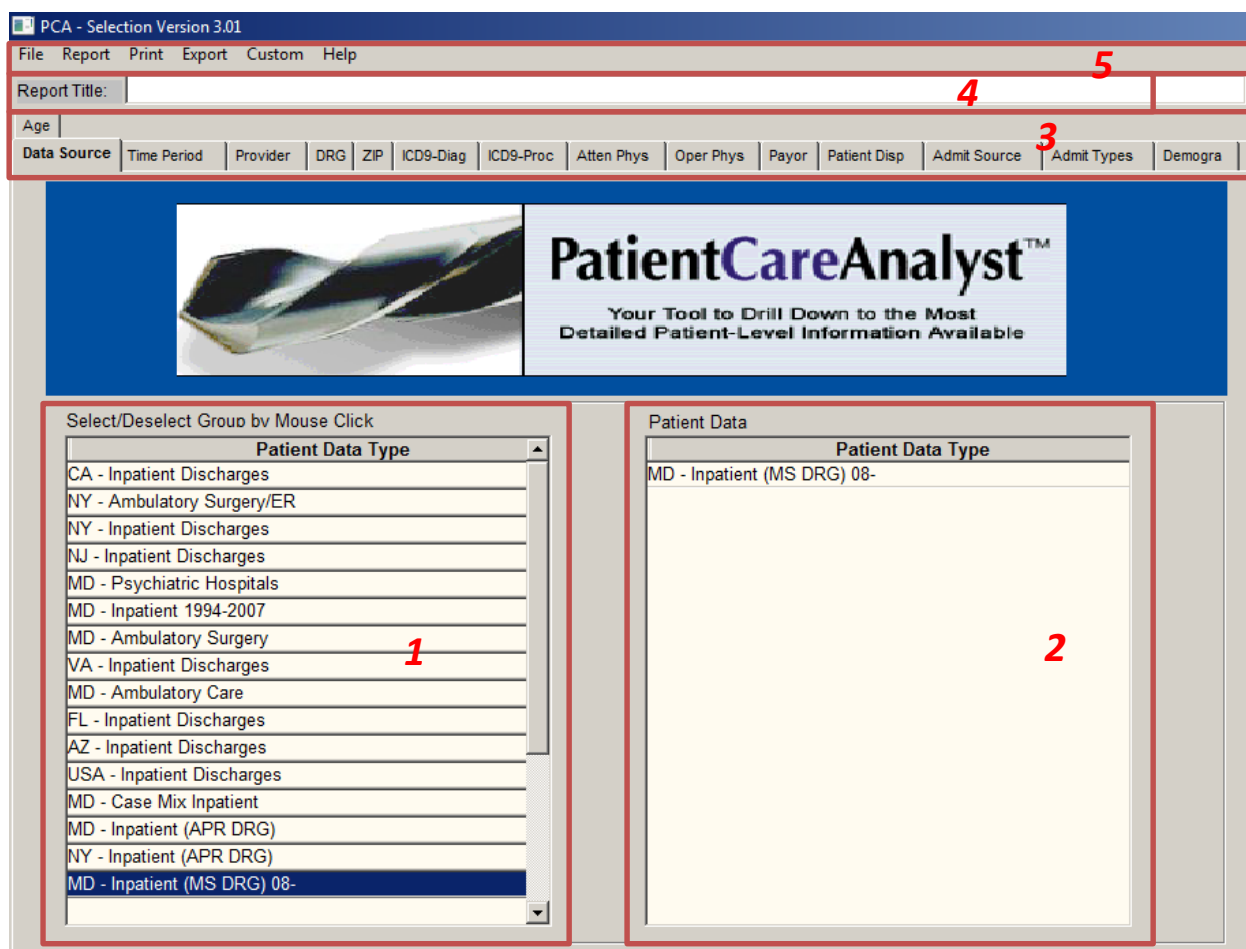
NOTE: There may be a warning box on your Applications WebTop about the trustworthiness of the Citrix server.



This warning will not affect the security of your connection to the Patient Care Analyst application nor our server. If you click on the link in the warning, you can add our site to your trusted sites list, however, it would be best to speak with your IT department or System administrator concerning the addition of our site to the list of trusted sites for your browser.

If nothing goes wrong, you should be able to connect to PCA now. If you are experiencing difficulty with the Patient Care Analyst Demo or would like further product information, please call (804) 344-8111.

Areas of a PCA Window



Item #	Item Name	Description
1	Data Type	In this window will be listed the databases available to you. Only one database may be used at a given time.
2	Data Selection	In this window will be the database selected for query.
3	Tabs	Data elements are fields used to set criteria and parameters for reports and analyses. All database elements available for query are placed on a tab.
4	Report Title	Every report must be titled if you plan to save, print, or export it. The title remains visible as you move throughout the tabs.
5	Menu Bar	The menu bar organizes all other aspects of your analyses such as layout options and output options.

Creating a Report

Step 1 – Selecting a Database

Once you have logged on to the PCA you will find yourself at the Data Source tab. Only one database may be used at a time. The databases available to you will be listed in the box to the left of the screen. From this list, highlight the database you wish to work with. Your selection will appear in the box to the right.

Step 2 – Selecting a Time Period

After selecting a database, click the Time Period tab. Here you are able to select a single time period (thus, a single report) or multiple time periods (thus, multiple reports). Please note that you will be unable to preview multiple reports before printing or exporting. You may, however, preview a mock layout of the reports.

Step 3 – Setting Report Parameters

All remaining tabs allow users to produce reports based on explicit criteria. Each of the remaining tabs represents a Data Element in the patient record such as Provider, Payer, Patient Disposition, Admission Source, Nature of Admission, Race, Gender, Age Group, Zip Code, Attending or Operating Physician, DRG, ICD code, or CPT code. Where applicable, users are able to create, save, modify, rename, and delete groups of data elements. Please refer to the 'How to...' section of this manual for instructions on creating, saving, modifying, renaming, and deleting.

Step 4 – Report Output

a) Print Preview/Report Preview

To view your report on the computer screen, select the Print Preview option from the Print menu at the top of the screen. From the print preview you will have the option of printing the entire report, printing certain pages of the report, or exporting the report.

b) Printing the Report

To print the report without viewing it, first on the computer screen, select the Print option from the Print menu at the top of the screen. Specify the number of copies and the print range and press OK to print.

c) Exporting the Report

To export the report to your local hard drive, select the Export Report option from the Export menu at the top of the screen. The report will be displayed on the screen (print preview) before exporting. Once the report is displayed, press the Export button located in the top right of the screen. Give the file a name, select a drive and a directory, and select the file type and press OK.

d) Exporting the Report Data Elements

Rather than exporting a report layout to your local drive, you may export the data elements directly. To export data elements, select the Export Data Elements option from the Export menu at the top of the screen. Select the data elements you wish to export by highlighting them from the list at left of the screen. All selected data elements will be listed in the window to the right. Press the Export button at the bottom of the screen. Provide a file name, file type, destination drive and directory and press OK.

Please note that the maximum worksheet size of Excel97/2003 is limited to 65,536 rows. It is strongly suggested that you always export data elements to a DBF format since it is likely for a file to consist of more than 65,535 records. These data element files can be saved as DBF and opened in FoxPro, Microsoft Access, and other software.

IMPORTANT NOTICE

The topics in this 'How to...' section may not apply to the database you are using. Since the design of the PCA is such that it can accommodate many databases from different data sources, there will undoubtedly be differences in data element fields (choice of tabs).

For example, the Maryland Inpatient Discharge database consists of an Operating Physician field (Oper Phys tab in PCA). This field is not available in the California Discharge database thus the 'Oper Phys' tab was removed. These 'removed' tabs will be replaced with other data elements when appropriate (such as APR-DRGs).

Please keep in mind that the PCA is designed to be very user friendly. The process of selecting, viewing, creating, modifying, and deleting will be consistent throughout the data element tabs of all the different databases. Always refer to the Help menu provided in the PCA for specific instructions.

For further help, do not hesitate to contact:

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Fax: (804) 344-8113
E-mail: info@smainformatics.com

Note: Many images and screenshots in this user manual are from prior versions of the PCA software. However, only certain features were altered for current Version 3.01 and should not affect the ability to use this manual.

Major Components of the PCA

PCA Menus

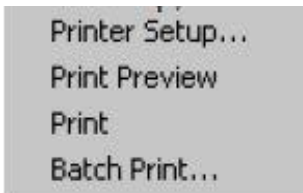
File – Option includes: Exit



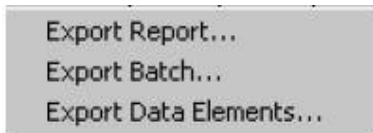
Report – Options include: New Report, Open Report, Design Report, Save Report, Delete Report, Current Report Selections



Print – Options include: Print Setup, Print Preview, Print, Batch Print



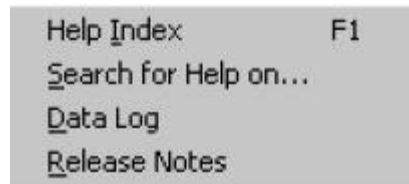
Export – Options include: Export Report, Export Batch, Export Data Elements



Custom – Options include: Custom Grouping, Show Tips, User preferences



Help – Options include: Help Index, Search for help on...., Data Log, Release Notes



PCA Tabs

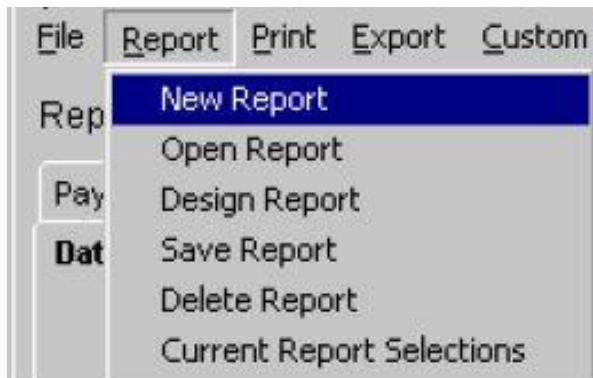
By making selections from the tabs, you are building a subset of data you wish to analyze. The tabs represent data elements or fields from different sources of patient level data. The tab contents are dependent on the data source. Examples of the data elements, or data fields, in some patient level databases would be Time Period, Provider, DRG, ICD Codes, CPT Codes, Physicians, Payers, Resident Zip Codes, Patient Demographics, Admission Source and Type, Patient Disposition upon discharge, etc.



Begin

Begin a New Report

To clear all current selections and to create/develop a new report, click on the Report menu at the top of the screen and click on the New Report option.



Select

Select a Data Source

Available databases are listed to the left of the screen under Patient Data Type. Only one database may be used at a time. Select the database to be used by highlighting and clicking with the left mouse button. The current database will be listed in the window to the right of the screen under Patient Data Selection/Patient Data Type.

The screenshot shows the PatientCareAnalyst software interface. At the top is a menu bar with 'File', 'Report', 'Print', 'Export', 'Custom', and 'Help'. Below the menu bar is a 'Report Title:' field containing 'Sample Report'. A series of tabs are visible: 'Payor', 'Patient Disp', 'Admit Source', 'Admit Types', 'Demogra', 'Age', 'Data Source' (which is selected and highlighted), 'Time Period', 'Provider', 'DRG', 'ZIP', 'ICD9-Diag', 'ICD9-Proc', 'Atten Phys', and 'Oper Phys'. The 'Data Source' tab displays a banner for 'PatientCareAnalyst™' with the tagline 'Your Tool to Drill Down to the Most Detailed Patient-Level Information Available'. Below the banner, there are two panels. The left panel, titled 'Select/Deselect Group by Mouse Click', contains a list box labeled 'Patient Data Type' with the following items: 'MD - Psychiatric Hospitals', 'MD - Inpatient Discharges' (highlighted in blue), 'MD - Ambulatory Surgery', 'VA - Inpatient Discharges', 'MD - Ambulatory Care', and 'FL - Inpatient Discharges'. The right panel, titled 'Patient Data Selection', contains a list box labeled 'Patient Data Type' with the item 'MD - Inpatient Discharges'.

Select a Saved Group

There are two ways to select a previously saved group from any of the PCA data element tabs. You may select a group by typing the group name in the box located in the upper-left corner of the screen (Select/Deselect Group by Typing or Mouse Click), or by using the left mouse button to highlight and click on the group name. The selected group or groups will be listed in the Current Selection window to the right of the screen under Group Name. Double-click on the group name to deselect.

Payor	Patient Disp	Admit Source	Admit Types	Demogra	Age			
Data Source	Time Period	Provider	DRG	ZIP	ICD9-Diag	ICD9-Proc	Atten Phys	Oper Phys

Select/Deselect Group by Typing or Mouse Click

- *SMA - Allegany County
- *SMA - Anne Arundel County
- *SMA - Baltimore City**
- *SMA - Baltimore County
- *SMA - Calvert County
- *SMA - Caroline County

Select/Deselect Value by Typing or Mouse Click

Zip	City	Co
21201	Baltimore	Ba
21202	Baltimore	Ba
21203	Baltimore	Ba
21204	Towson	Ba
21205	Baltimore	Ba

Current Selection

Group Name	Value	Value Name
*SMA - Baltimore City		

Select a Time PeriodSelecting a Single Time Period

The PCA defaults to the Single Time Period option and is highlighted on your screen. Using the left mouse button to specify “From” (starting quarter) and “To” (ending quarter). You can select any number of quarters (generally up to twelve quarters of data available at a given time).

PCA - Selection Version 2.05

File Report Print Export Custom Help

Report Title: Sample Report

Payor Patient Disp Admit Source Admit Types Demogra Age

Data Source **Time Period** Provider DRG ZIP ICD9-Diag ICD9-Proc Atten Phys Oper Phys

☒ **Single Time Period Report**

From To

2006-Q1, Jan-Mar 2006-Q4, Oct-Dec

☐ **Multiple Time Period Report**

From To

Not Selected Not Selected

Not Selected Not Selected

Not Selected Not Selected

Not Selected Not Selected

Select

Selecting Multiple Time Periods

The PCA provides you with the option of producing identical reports exhibiting data from up to four (4) different time periods. Using the left mouse button, click to highlight the Multiple Time Period Report option. Specify “From” (starting quarter) and “To” (ending quarter) for as many time periods as necessary (up to four).

PCA - Selection Version 2.05

File Report Print Export Custom Help

Report Title: Sample Report

Payor Patient Disp Admit Source Admit Types Demogra Age

Data Source **Time Period** Provider DRG ZIP ICD9-Diag ICD9-Proc Atten Phys Oper Phys

☐ **Single Time Period Report**

From To

Not Selected Not Selected

☒ **Multiple Time Period Report**

From To

2006-Q1, Jan-Mar 2006-Q4, Oct-Dec

Not Selected Not Selected

Not Selected Not Selected

Not Selected Not Selected

Select

Select Individual Values

You can select individual values by typing the name in the box located in the mid- left section of the screen (Select/Deselect Value by Typing or Mouse Click), or by highlighting and clicking the value with the left mouse button.

All selected values will be listed in the Current Selection window to the right of the screen under Value Name. Double-click individual values to deselect.

The screenshot displays the 'PCA - Selection Version 2.05' application window. At the top, there is a menu bar with 'File', 'Report', 'Print', 'Export', 'Custom', and 'Help'. Below the menu bar, a 'Report Title' field contains 'Sample Report'. A series of tabs are visible: 'Data Source', 'Time Period' (highlighted in blue), 'Provider', 'DRG', 'ZIP', 'ICD9-Diag', 'ICD9-Proc', 'Atten Phys', and 'Oper Phys'. Below these, another set of tabs includes 'Payor' (highlighted in blue), 'Patient Disp', 'Admit Source', 'Admit Types', 'Demogra', and 'Age'. The main area is divided into two sections. The left section, titled 'Select/Deselect Group by Typing or Mouse Click', contains a text box with 'all payer file 12.05' and a list box showing various payor names, with 'Blue Cross-Other State - old value' selected. The right section, titled 'Current Selection', contains a table with two columns: 'Group Name' and 'Value Name'. The table has one row with 'Individual Value' in the 'Group Name' column and 'Blue Cross-Other State - old value' in the 'Value Name' column. At the bottom right of the 'Current Selection' section are three buttons: 'Save Group', 'Delete Group', and 'Deselect All'.

Group Name	Value Name
Individual Value	Blue Cross-Other State - old value

Note: Admit Types and Demographic tabs use the left mouse button to highlight and click on values from any of the three windows across the top of the screen. Your selections will be listed in the corresponding Selections windows across the bottom of the screen. Double-click values to deselect.

Create

Create a Group

Saving groups for future use makes generating new reports easy. Saved groups can be used in future analyses and can also enhance query speed. Click on a data element tab to see values available for placing into groups.



Select or deselect individual values by typing the value names in the box located in the mid-left section of the screen (Select/Deselect Value by Typing or Mouse Click). The selected values will be listed in the Current Selection window to the right of the screen.

PCA - Selection Version 2.05

File Report Print Export Custom Help

Report Title:

Data Source Time Period Provider DRG ZIP ICD9-Diag ICD9-Proc Atten Phys Oper Phys

Payor Patient Disp **Admit Source** Admit Types Demogra **Age**

Select/Deselect Group by Typing or Mouse Click

Medicare 65+

xxx

Select/Deselect Value by Typing or Mouse Click

03

Age

0 to 9

10 to 14

15 to 17

18 to 24

25 to 34

35 to 44

45 to 54

Current Selection

Group Name	Value	Value Name
Individual Value		
	01	0 to 9
	02	10 to 14
	03	15 to 17

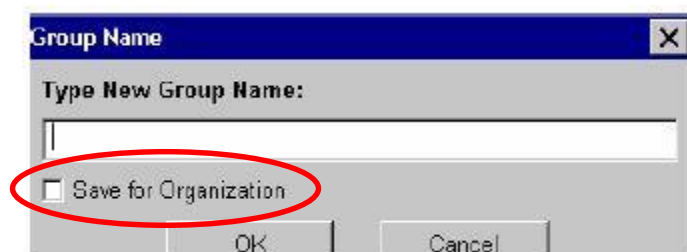
Save Group Delete Group Deselect All

When you have finished making your selections, press the Save Group button at the bottom of the screen.

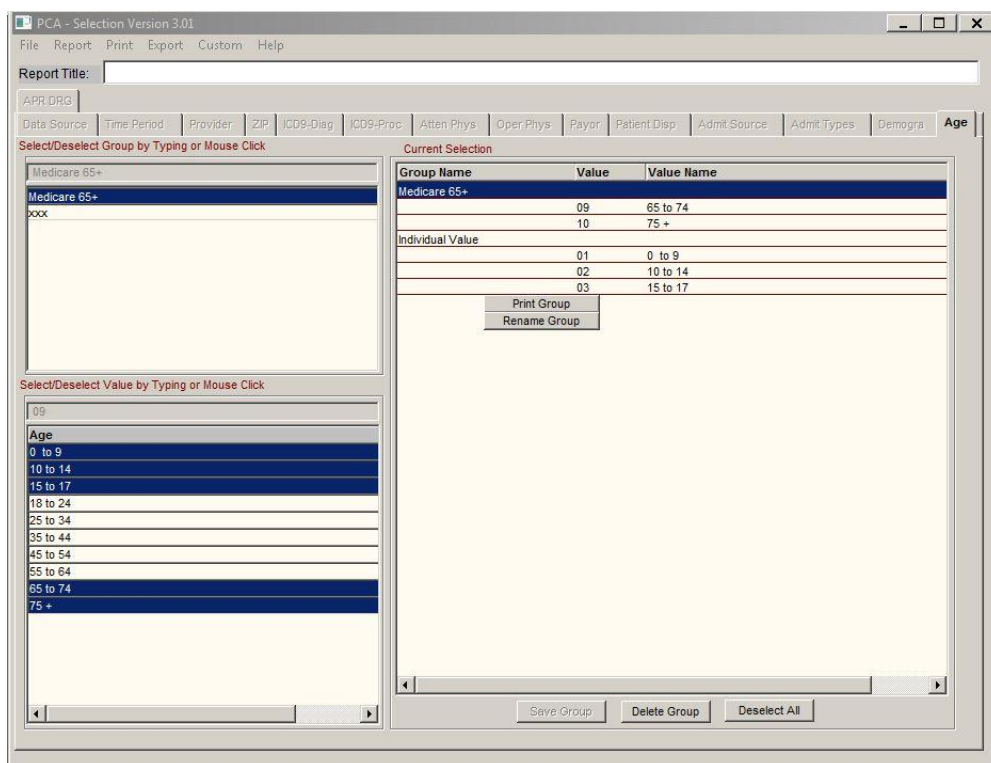
Create

If you want to allow other users in your organization to see and use this group, check “Save for Organization.” For individual use only, leave box unchecked.

Enter a name for the group and press OK.



This new group can be renamed, modified, or deleted by right-clicking on the group name in the Current Selection box.



Group Name	Value	Value Name
Medicare 65+	09	65 to 74
	10	75 +
Individual Value	01	0 to 9
	02	10 to 14
	03	15 to 17

Create

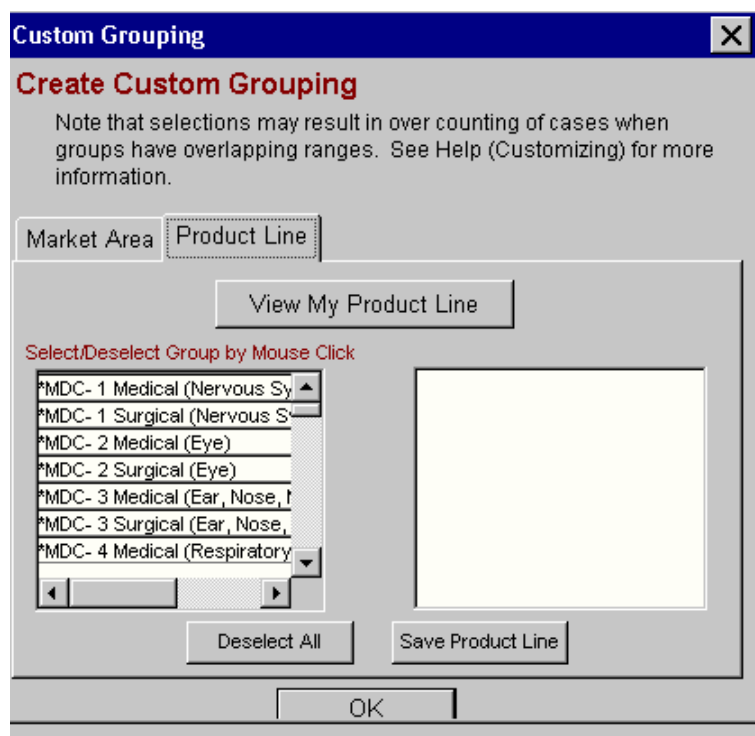
Create a Product Line

Since many organizations have product lines (DRG groupings) that differ from the national MDC groupings, the PCA provides you with the ability to create and save your own. You must first create and save your own group(s) from the DRG tab. (See 'Create a Group' for help)

Next, click on the Custom menu at the top of the screen, click on the Custom Groupings option.



Click the Product Line tab. To view the current product line, click the View My Product Line button. The existing/current selections will be listed in the box at the right.



To create a new product line from scratch, click the Deselect All button at the bottom.

Create

Using your mouse, select or deselect DRG groupings to be included in your new product line from the list in the box at the left. Your choices will appear in the box to the right.

When you have finished making your selections, press the Save Product Line button at the bottom of the screen.

Custom Grouping

Create Custom Grouping

Note that selections may result in over counting of cases when groups have overlapping ranges. See Help (Customizing) for more information.

Market Area Product Line

View My Product Line

Select/Deselect Group by Mouse Click

*MDC- 1 Medical (Nervous Sy	*MDC- 1 Surgical (Nervous Syste
*MDC- 1 Surgical (Nervous S	*MDC- 2 Medical (Eye)
*MDC- 2 Medical (Eye)	*MDC- 2 Surgical (Eye)
*MDC- 2 Surgical (Eye)	*MDC- 3 Medical (Ear, Nose, Mout
*MDC- 3 Medical (Ear, Nose, t	*MDC- 3 Surgical (Ear, Nose, Mou
*MDC- 3 Surgical (Ear, Nose,	*MDC- 4 Medical (Respiratory Sys
*MDC- 4 Medical (Respiratory	

Deselect All Save Product Line

OK

To make modifications to the existing product line, select and deselect DRG groupings by clicking once on the group name(s) listed at the left of the screen. Your choices will be listed in the box at the right.

When you have completed your new list, press the Save Product Line button at the bottom of the screen.

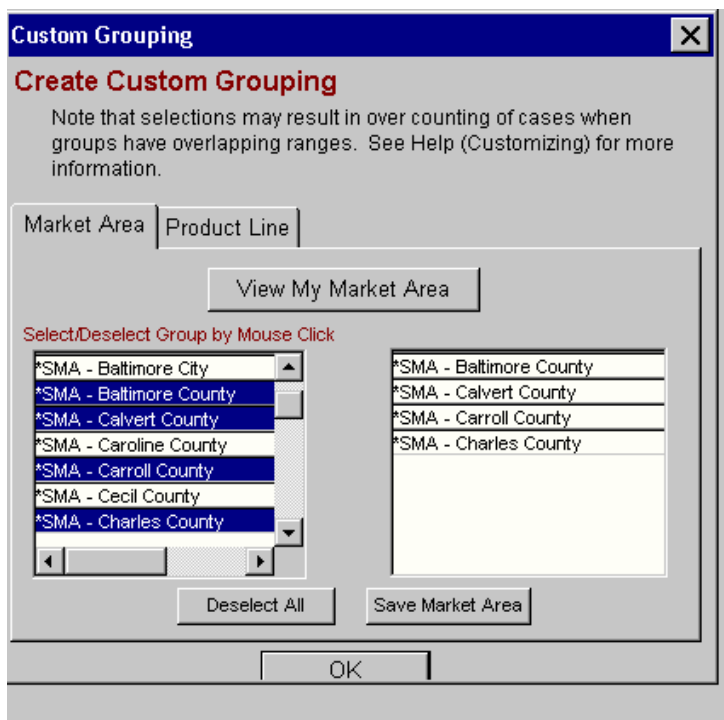
To exit the screen, press OK.

Create

Customize a Market Area

Since organizations may have market areas (zip code/county groupings) that differ from the PCA groupings provided, you have the ability to create and save your own. You must first create and save your own group(s) from the Zip Code tab. (See 'Create a Group' for help).

Next, click on the Custom menu at the top of the screen, click on the Custom Groupings option and click the Market Area tab. To view the current market area, click the View My Market Area button. The existing/current selections will be listed in the box at the right.



To create a new market area from scratch, click the Deselect All button at the bottom of the screen.

Using your mouse, select or deselect groups to be included in your new market area from the list in the box at the left. Your choices will appear in the box to the right.

Create

When you have finished making your selections, press the Save Market Area button at the bottom of the screen.

To make modifications to the existing market area, select and deselect groups by clicking once on the group name(s) listed at the left of the screen. Your choices will be listed in the box at the right.

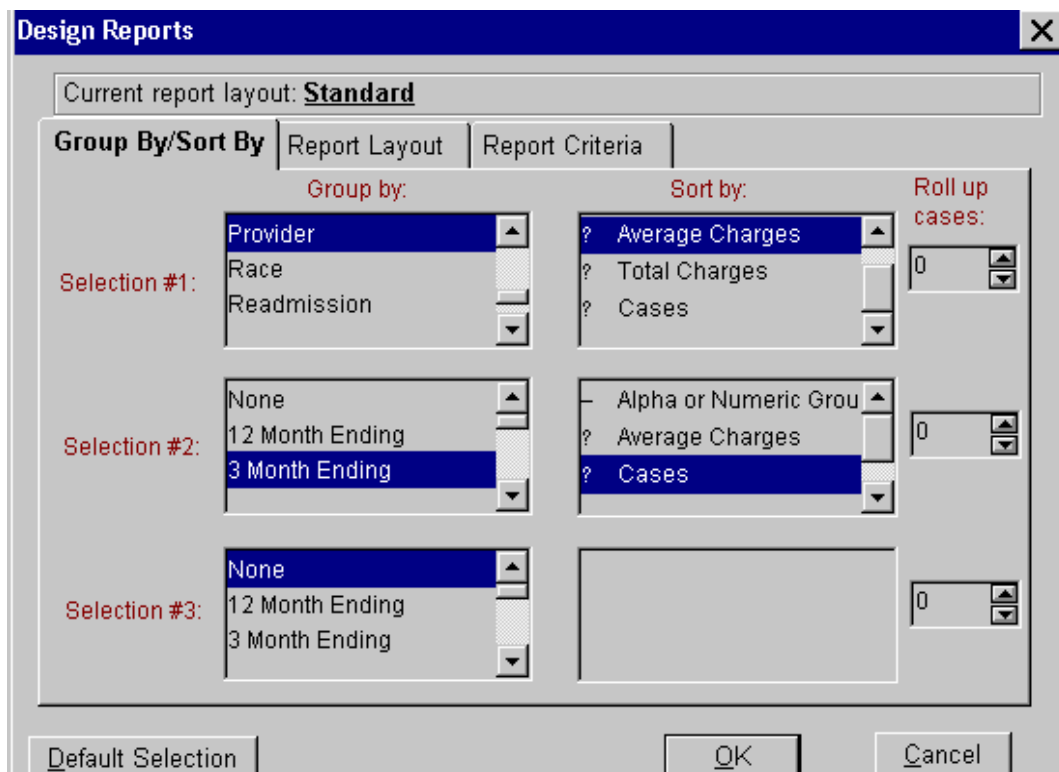
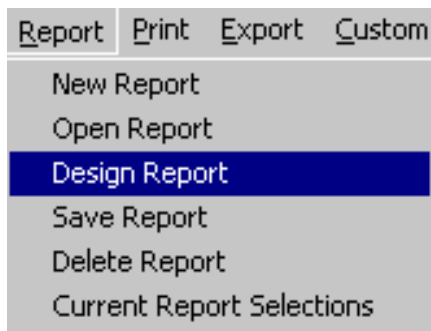
When you have finished modifying your list, press the Save Market Area button at the bottom of the screen.

To exit the screens, press OK.

It is very important to note that selections may result an over count of cases when groups have overlapping ranges. For instance, assume we selected the entire state of Maryland, as well as the group Central Maryland. Since all the zip codes in this Central Maryland D group are also included in the state of Maryland group, cases will be double counted. Similarly, assume we selected product lines with overlapping DRG codes. DRG codes in the Gynecology and Obstetrics group will also be included in the MDC 14 group (pregnancy/childbirth) or the MDC 13 group (female reproduction).

Design a Report

This feature allows you to choose how your rows (group by) and columns (layout) of the report will appear. The PCA provides you with the ability to group results from a database that meets designated parameters. Throughout the Design Report option of the Report menu, you decide how results should be grouped, sorted, organized and displayed. It is always a good idea to view the Current Report Selections option from the Report menu to confirm your choices.



Input Physician Data

PCA gives you the ability to assign internal attending and operating physician identification numbers to existing encoded numbers. You are also provided space for the physician name, service & specialty areas, and other comments.

PCA - Selection Version 2.05

File Report Print Export Custom Help

Report Title:

Payor Patient Disp Admit Source Admit Types Demogra Age

Data Source Time Period Provider DRG ZIP ICD9-Diag ICD9-Proc **Atten Phys** Oper Phys

Select/Deselect Group by Typing or Mouse Click

Select/Deselect Value by Typing or Mouse Click

Encoded #	Internal #	Last Name
	House staf	house staff
000001	UnKnown	UnKnown
000002	UnKnown	UnKnown
000005		
000007	UnKnown	UnKnown

Input Physician Data

Current Selection

Group Name	Value	Value Name
------------	-------	------------

Save Group Delete Group Deselect All

To input physician information (from either the Atten Phys tab or the Oper Phys tab) click the Input Physician Data button at the bottom left of the screen.

Note: Some data sources will not have attending and operating physician names available.

Create

To select a physician either types the encoded number in the Search for Physician box at the left, or highlight the encoded number from the All Physicians box.

Your selection(s) will appear in the large window in the bottom half of the screen.

The Physicians window is divided into two main sections. The top section contains a 'Search for Physician' text box with '001050' entered, and an 'All Physicians' list box showing a list of encoded numbers: 001050, 001112, 001120, and 001124. To the right of these is instructional text: 'To add physicians to your list, type in the desired physician number in "Search for Physician" field and press "Enter", or select desired encoded number from the "All Physicians" list by mouse click. Encoded #999999 represents not coded or blank field.' Below this text are 'Cancel', 'Delete', and 'Save' buttons. The bottom section, titled 'Physicians You Have Identified', contains a table with five columns: Encoded #, Internal #, Last Name, First Name, and Service. The table lists six physicians, with the last three having missing last names and services marked as #N/A. An 'Export' button is located at the bottom of the window.

Encoded #	Internal #	Last Name	First Name	Service
001050	FRID,AN	FRIDBERG, A	ANDREW	UnKnown
940395	212407	Khan S	Saadullah	Gastro
227138	218602	Lee D.	Danny	Medicine
357895	SMIT,VV	SMITH, VV K	VV KING	UnKnown
817497		#N/A		#N/A
941581		#N/A		#N/A

To input or to edit physician information, use your mouse to move between the columns, or use the Tab key on your keyboard.

To make the new entry permanent or to save changes, click the Save button to the right of your screen. When names are entered, the last name and the encoded number will appear on the printed report.

Delete

Delete a Group

From the upper-left corner of the screen (Select/Deselect Group by Typing or Mouse Click), highlight and click the group to be deleted with the left mouse button. The group name will appear in the Current Selection window to the right of the screen.

Holding your mouse over the group name, click once on the right mouse button to view the contents of the group.

PCA - Selection Version 2.05

File Report Print Export Custom Help

Report Title:

Payor Patient Disp Admit Source Admit Types Demogra Age

Data Source Time Period Provider DRG **ZIP** ICD9-Diag ICD9-Proc Atten Phys Oper Phys

Select/Deselect Group by Typing or Mouse Click

*SMA - West Virginia

*SMA - Virginia

*SMA - Virginia Beach Cit County

*SMA - Washington County

***SMA - West Virginia**

*SMA - Wicomico County

*SMA - Worcester County

Select/Deselect Value by Typing or Mouse Click

24701

Zip	City	Col
24701	Bluefield	Me
24703	Unknown/No Longer Valid	
24708	Unknown/No Longer Valid	
24710	Alpoca	Wy
24712	Athens	Me

Current Selection

Group Name	Value	Value Name
*SMA - West Virginia		
	24701	Bluefield
	24710	Alpoca
	24712	Athens
	24714	Beeson
	24715	Bramwell
	24716	Bud
	24719	Print Group
	24724	Rename Group
	24726	Herndon
	24729	Hiawatha
	24731	Kedlev
	24732	Kellysville
	24733	Lashmeet
	24736	Matoaka

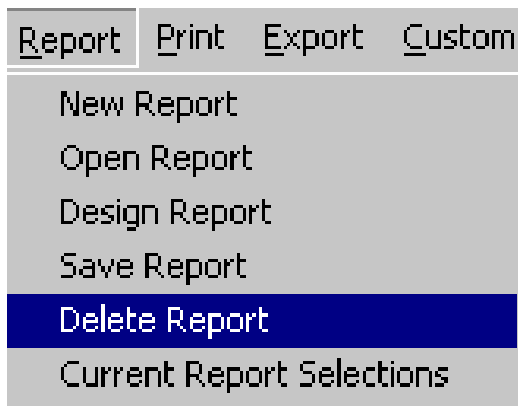
Save Group Delete Group Deselect All

To delete the entire group, press Delete Group at the bottom of the screen. To permanently delete individual values from the group, see Modifying a Group.

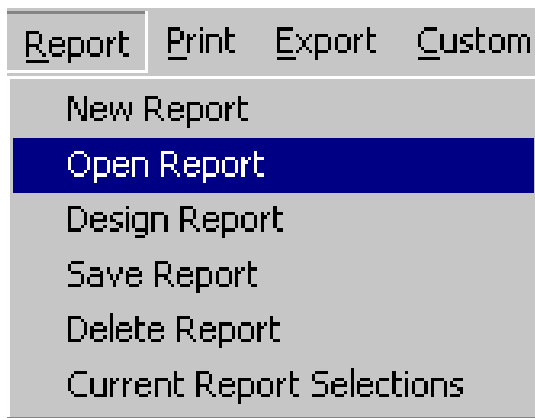
Delete

Delete a Report

There are two ways to delete a saved report. Click on the Report menu at the top of the screen and click on the Delete Report option.

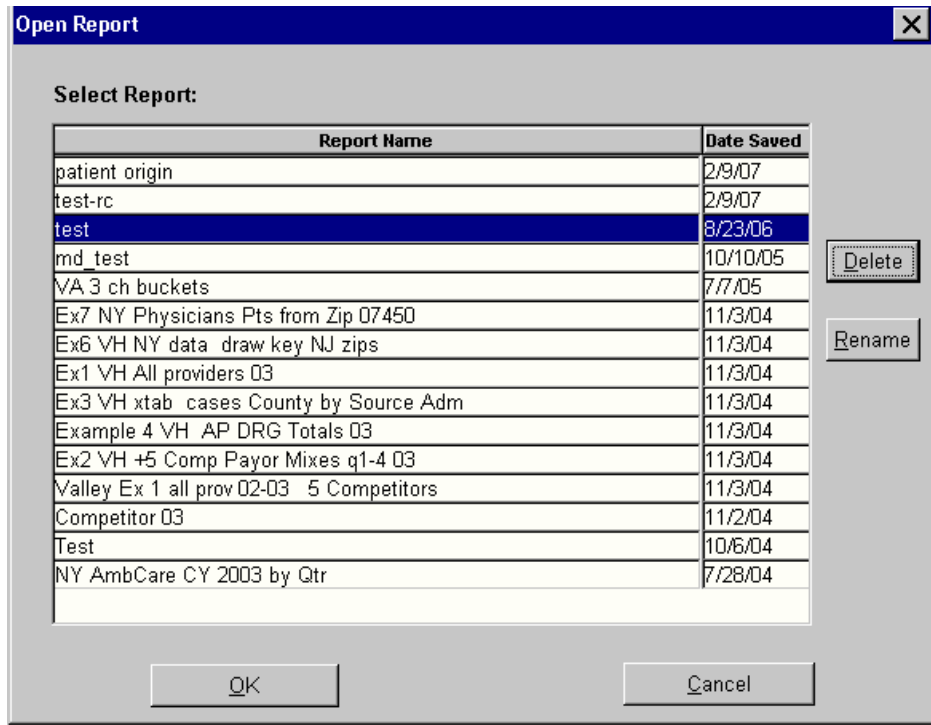


Or, you can click on the Report menu at the top of the screen and select the Open Report option.



Delete

Highlight the report to be deleted, and press the Delete key on the right side of the screen.



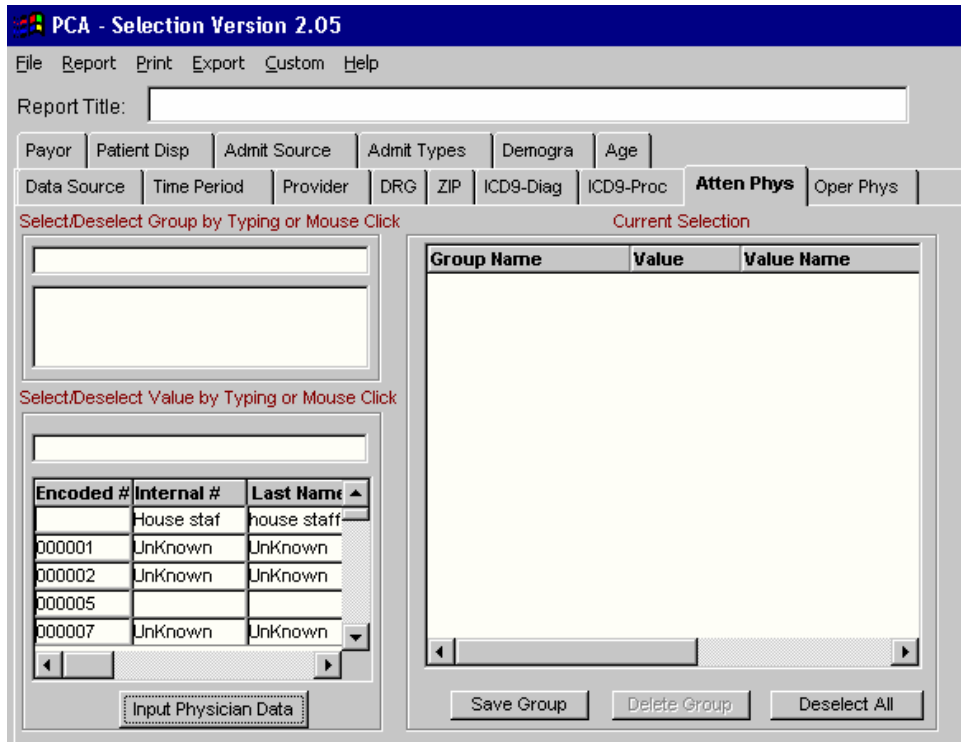
To remove, or clear out a current report to start or open another, simply click on the Report menu at the top of the screen and click the New Report option.

Answer No if you do not wish to save the current report.

Delete

Delete Physician Data

To delete physician data, select the Atten Phys tab or the Oper Phys tab (whichever is appropriate) and press the Input Physician Data button at the bottom left of the screen.



PCA - Selection Version 2.05

File Report Print Export Custom Help

Report Title:

Payor Patient Disp Admit Source Admit Types Demogra Age

Data Source Time Period Provider DRG ZIP ICD9-Diag ICD9-Proc **Atten Phys** Oper Phys

Select/Deselect Group by Typing or Mouse Click

Select/Deselect Value by Typing or Mouse Click

Encoded #	Internal #	Last Name
	House staf	house staff
000001	UnKnown	UnKnown
000002	UnKnown	UnKnown
000005		
000007	UnKnown	UnKnown

Input Physician Data

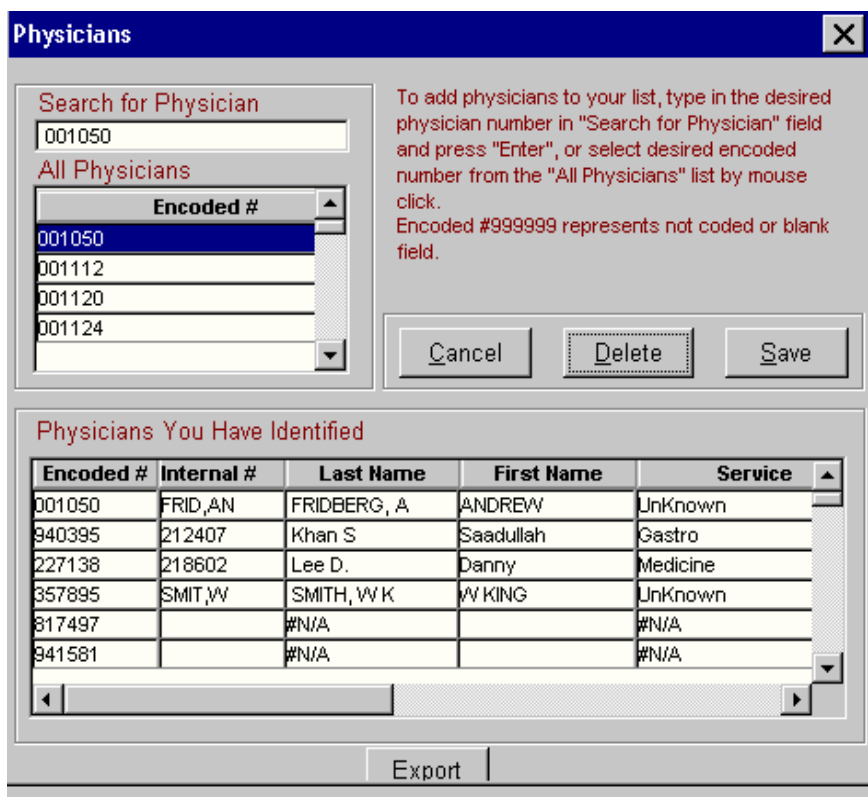
Current Selection

Group Name	Value	Value Name
------------	-------	------------

Save Group Delete Group Deselect All

Delete

Highlight the physician to be deleted, and press the Delete button. The encoded number will always remain, but the other columns of data will be removed (last name, first name, etc.).



The **Physicians** dialog box contains a search field, a list of all physicians, a table of identified physicians, and buttons for Cancel, Delete, Save, and Export.

Search for Physician
001050

All Physicians

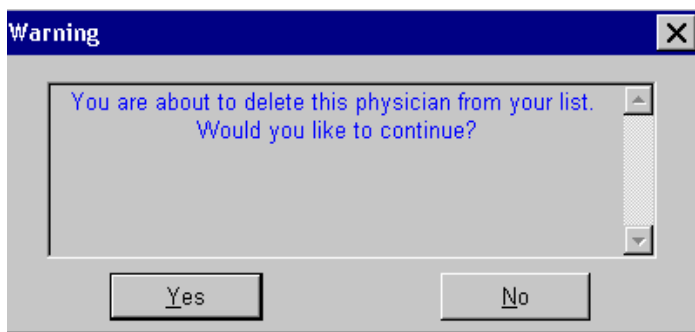
Encoded #
001050
001112
001120
001124

To add physicians to your list, type in the desired physician number in "Search for Physician" field and press "Enter", or select desired encoded number from the "All Physicians" list by mouse click.
Encoded #999999 represents not coded or blank field.

Physicians You Have Identified

Encoded #	Internal #	Last Name	First Name	Service
001050	FRID,AN	FRIDBERG, A	ANDREW	UnKnown
940395	212407	Khan S	Saadullah	Gastro
227138	218602	Lee D.	Danny	Medicine
357895	SMIT,W	SMITH, W/K	W KING	UnKnown
817497		#N/A		#N/A
941581		#N/A		#N/A

Export



The **Warning** dialog box displays a confirmation message and two buttons: Yes and No.

You are about to delete this physician from your list.
Would you like to continue?

Yes No

Repeat this process for as many physicians as necessary and press Save when finished.

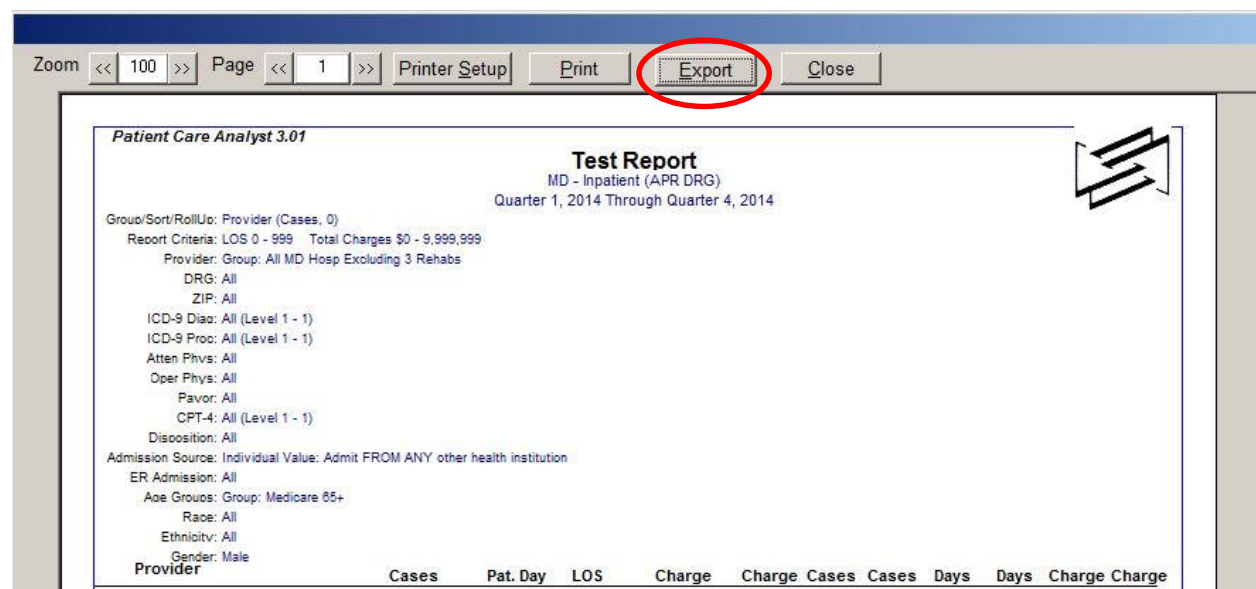
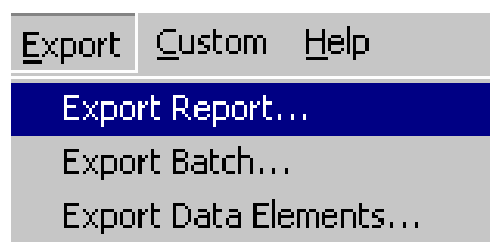
See also Inputting Physician Data.

Export

Export a Report

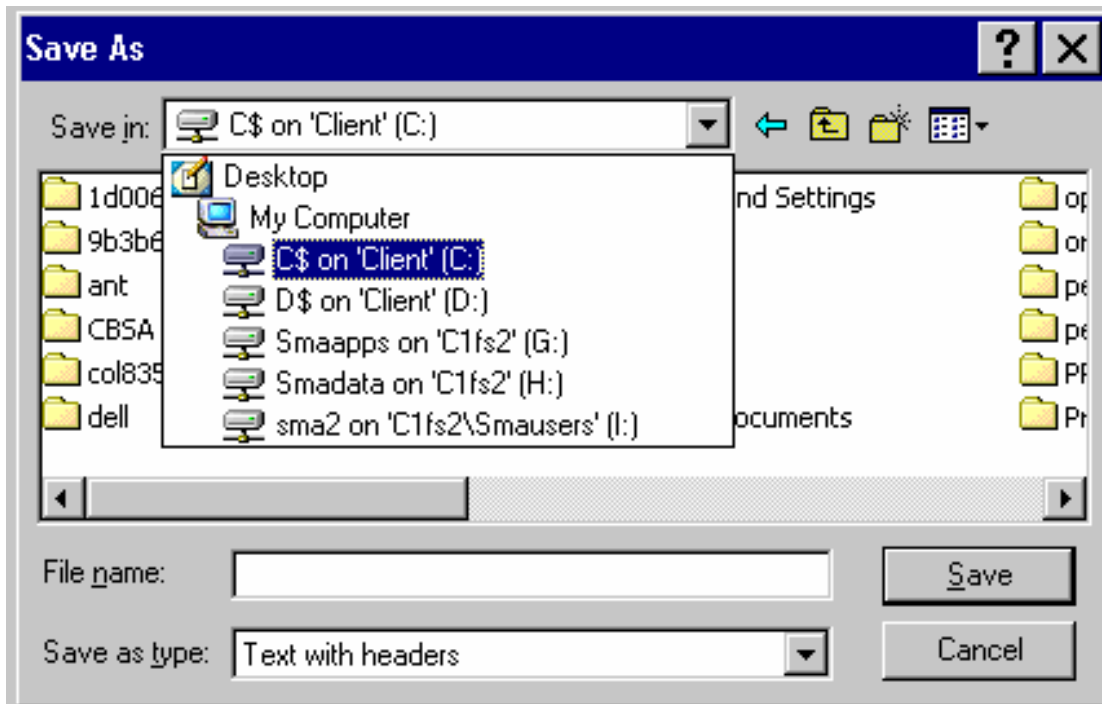
You can export reports in numerous formats/file types (Dbase, Excel, Txt, WKS, etc.) to your local hard drive. To export a report, click on the Export menu at the top of the screen and click on the Export Report option. The report to be exported will be previewed.

From the preview screen, press the Export button located in the top right of the screen.



Export

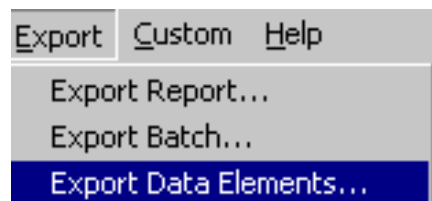
Give the file a name, select a drive and a directory, select the file type and press OK.



Please note that the desktop here refers to desktop of PCA server. In order to save a copy on your local machine, please choose drive name with ending like 'Client'(C:) or 'Client'(D:).

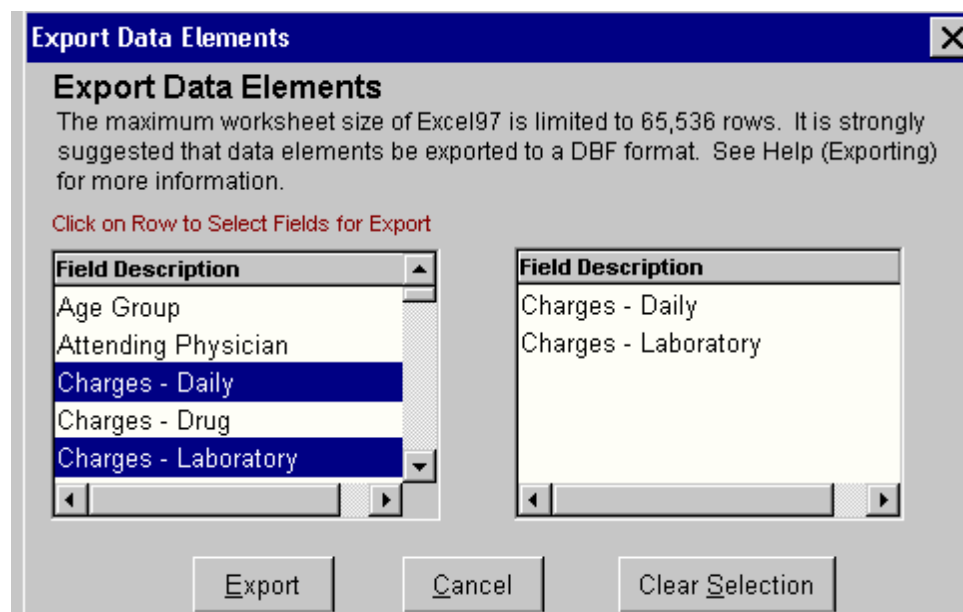
Export Data Elements

To decrease the size of files to be exported, the ability to choose specific individual data fields for export is available. To export data elements, click on the Export menu at the top of the screen and click on the Export Data Elements option.



Select data elements from the window at the left of the screen by highlighting and clicking with your left mouse button. All data elements selected for export will be listed in the window to the right side of the screen.

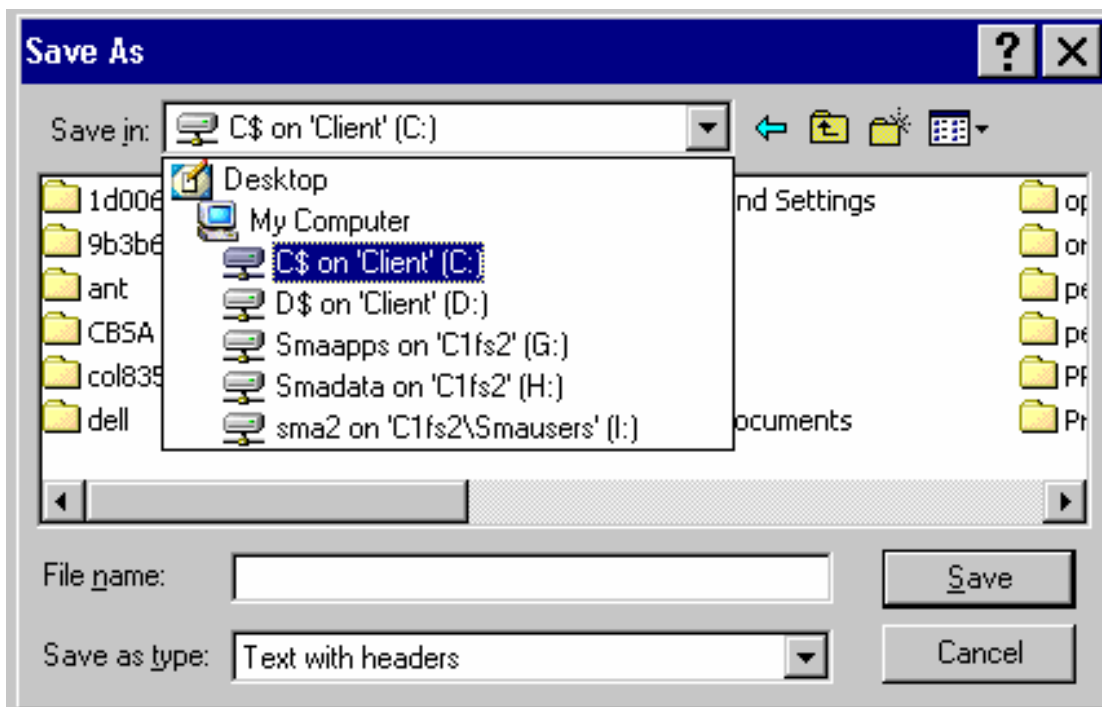
Double-click a data element to deselect.



When you have finished selecting data elements to be exported, press the Export button.

Export

Provide a file name, file type, drive and directory and press OK to export the data elements.



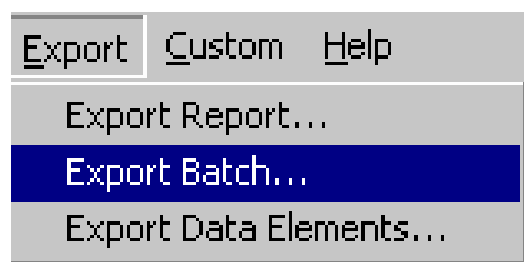
Please note that the desktop here refers to desktop of PCA server. In order to save a copy on your local machine, please choose drive name with ending like 'Client'(C:) or 'Client'(D:).

Please note that the maximum worksheet size of Excel97 is limited to 65,536 rows. It is strongly suggested that you always export data elements to a DBF format since it is likely for a file to consist of more than 65,535 records. These data element files can be saved as DBF and opened in FoxPro, Microsoft Access, and other programs.

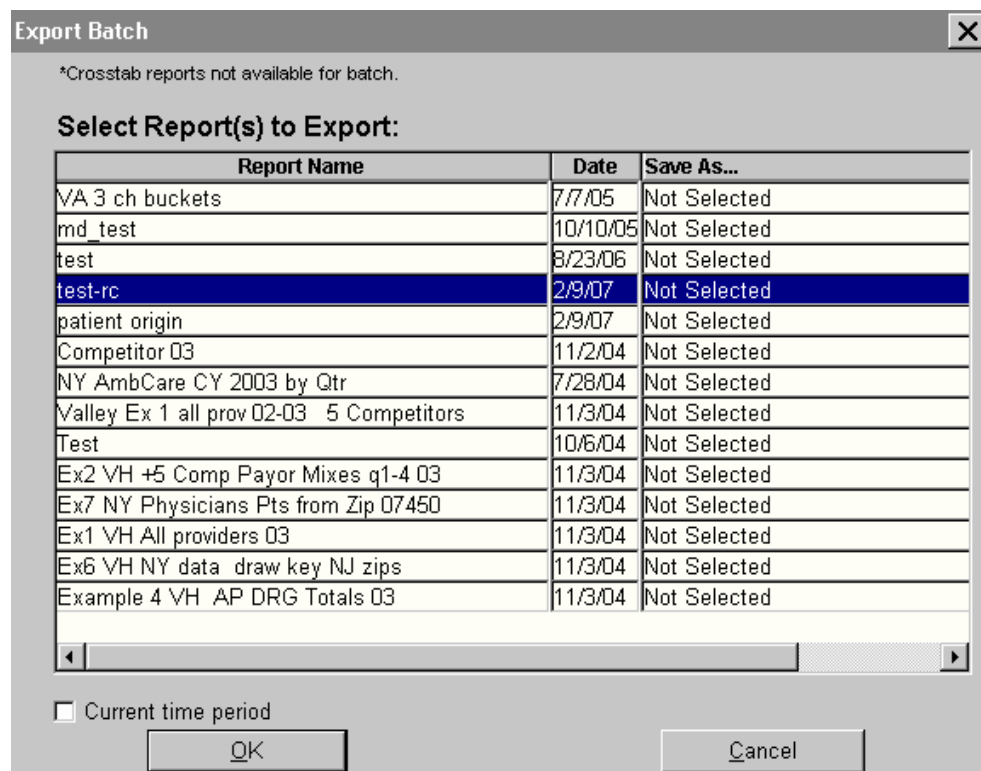
Export

Export Multiple Reports

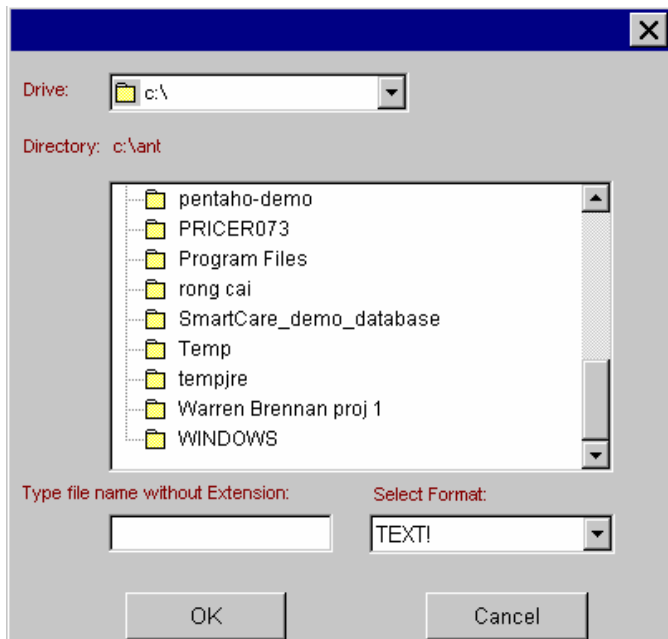
To export more than one report at a time, click on the Export menu at the top of the screen and click on the Export Batch option.



Select a report to be exported, provide the file name, file type, drive and directory and press OK.



Export



Select the next report from the list to be exported, give it a file name, file type, drive and directory and press OK. Double-click on a highlighted report to deselect it for exporting.

When you have finished selecting all the reports to be exported (they will be highlighted on your screen), press OK.

Modify

Modify a Group

You may exclude individual values from a group, temporarily or permanently. First, highlight and click the group you wish to modify from the left of the screen (Select/Deselect Group by Typing or Mouse Click). The selected group will appear under the Current Selection box at the right.

With your pointer over the group name, right click in order to view the contents of the group.

The screenshot displays a software window titled 'Modify' with a menu bar (File, Report, Print, Export, Custom, Help) and a 'Report Title' field. Below the menu are tabs for various data sources: Payor, Patient Disp, Admit Source, Admit Types, Demogra, Age, Data Source, Time Period, Provider, DRG, ZIP, ICD9-Diag, ICD9-Proc, Atten Phys, and Oper Phys. The 'ZIP' tab is currently selected.

On the left, under the heading 'Select/Deselect Group by Typing or Mouse Click', there is a list of groups. The first group, '*SMA - Allegany County', is highlighted in blue. Below this list, under the heading 'Select/Deselect Value by Typing or Mouse Click', there is a table with columns 'Zip', 'City', and 'Cou'. The table contains the following data:

Zip	City	Cou
21501	Cumberland	Alle
21502	Cumberland	Alle
21503	Cumberland	Alle
21504	Lavale	Alle
21505	Cresaptown	Alle

On the right, under the heading 'Current Selection', there is a table with columns 'Group Name', 'Value', and 'Value Name'. The table contains the following data:

Group Name	Value	Value Name
*SMA - Allegany County	21501	Cumberland
	21502	Cumberland
	21503	Cumberland
	21504	Cumberland
	21505	Cumberland
	21521	Barton
	21524	
	21528	
	21529	Ellerslie
	21530	Flintstone
	21532	Frostburg
	21539	Lonaconing
	21540	Westernport
	21542	Midland

At the bottom of the 'Current Selection' table, there are three buttons: 'Save Group', 'Delete Group', and 'Deselect All'. A context menu is open over the '21528' value, showing options 'Print Group' and 'Rename Group'.

Then, left-double click on the individual value to be excluded. The value to be excluded will be colored red and will be preceded by 'Excluding.' If you selected a value to be excluded in error, double-click on that value and it will again be included in the group.

Modify

File Report Print Export Custom Help

Report Title:

Payor Patient Disp Admit Source Admit Types Demogra Age

Data Source Time Period Provider DRG **ZIP** ICD9-Diag ICD9-Proc Atten Phys Oper Phys

Select/Deselect Group by Typing or Mouse Click

test

*SMA - Virginia Beach Cit County

*SMA - Washington County

*SMA - West Virginia

*SMA - Wicomico County

*SMA - Worcester County

test

Select/Deselect Value by Typing or Mouse Click

00001

Zip	City	Col
00000	Unknown/No Longer Valid	
00001	Unknown/No Longer Valid	
00002	Unknown/No Longer Valid	
00003	Unknown/No Longer Valid	
00004	Unknown/No Longer Valid	

Current Selection

Group Name	Value	Value Name
test		
Excluding	00000	Unknown/No Longer Valid
Excluding	00001	Unknown/No Longer Valid
	00002	Unknown/No Longer Valid
	00003	Unknown/No Longer Valid

Print Group

Rename Group

Save Group Delete Group Deselect All

When you have finished selecting the values to be excluded from the group, click once on the right mouse button while holding the pointer over the group name. If you wish to make this change permanent, press the Save Group button at the bottom of the screen.

You may also add individual values to an existing group, but to make the change permanent you will need to save the group under a new name. Be sure the group to be modified appears in the Current Selection window to the right of the screen.

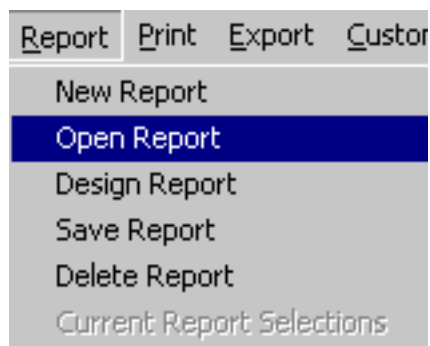
Then, select the individual values to be added to the group from the box at the left (Select/Deselect Value by Typing or Mouse Click). If you wish to make the additions permanent, press the Save Group button at the bottom of the window. Enter a new name for the group and press OK.

To remove the old group, see deleting a group and renaming a group.

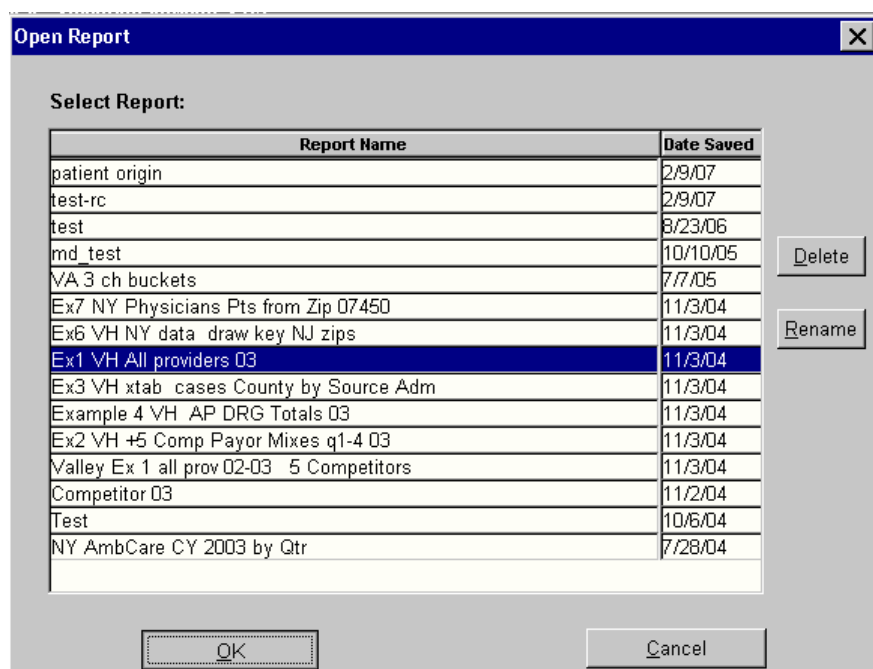
Open

Open a Saved Report

To open a report, click once on the Report menu at the top of the screen and click on the Open Report option.



Highlight the report to be opened using your mouse and click OK.

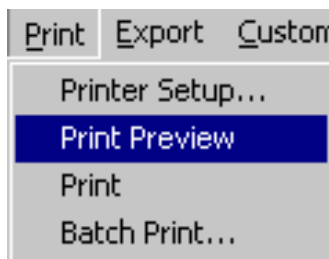


From this screen, you can also delete a report and rename a report.

Preview

Preview a Report

To print your report to the screen (print preview), click on the Print menu at the top of the screen and click the Print Preview option. The report will be processed and displayed to the computer screen.



You will have the option of printing the report from this preview screen or exporting the report to your local hard drive.

Patient Care Analyst 3.01

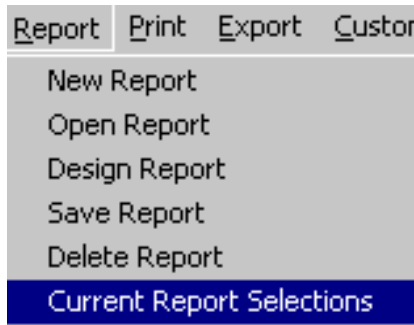
Test Report
MD - Inpatient (APR DRG)
Quarter 1, 2014 Through Quarter 4, 2014

Group/Sort/RollUp: Provider (Cases, 0)
Report Criteria: LOS 0 - 999 Total Charges \$0 - 9,999,999
Provider: Group: All MD Hosp Excluding 3 Rehabs
DRG: All
ZIP: All
ICD-9 Diag: All (Level 1 - 1)
ICD-9 Proc: All (Level 1 - 1)
Atten Phys: All
Oper Phys: All
Favor: All
CPT-4: All (Level 1 - 1)
Disposition: All
Admission Source: Individual Value: Admit FROM ANY other health institution
ER Admission: All
Age Groups: Group: Medicare 65+
Race: All
Ethnicity: All
Gender: Male

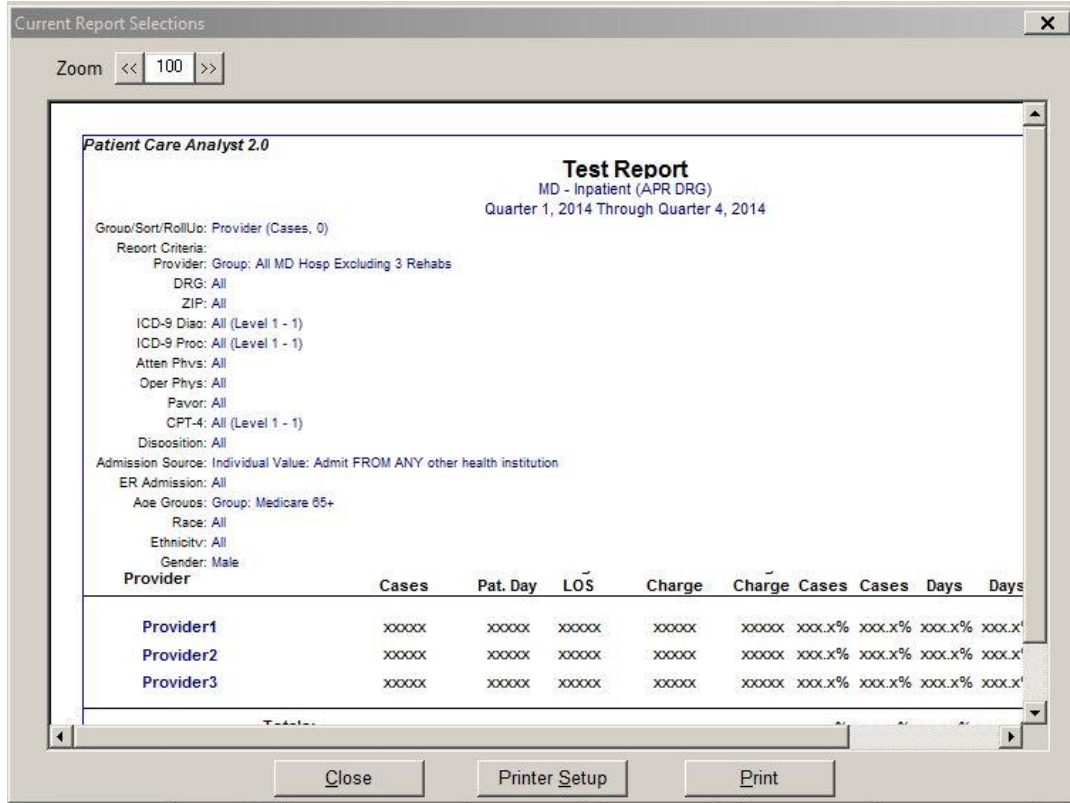
Provider	Cases	Pat. Day	LOS	Charge	Charge	Cases	Cases	Days	Days	Charge	Charge
----------	-------	----------	-----	--------	--------	-------	-------	------	------	--------	--------

View Current Selections

To view your current report parameters and the current organization of your report, click the Report menu at the top of the screen and click the Current Report Selections option.



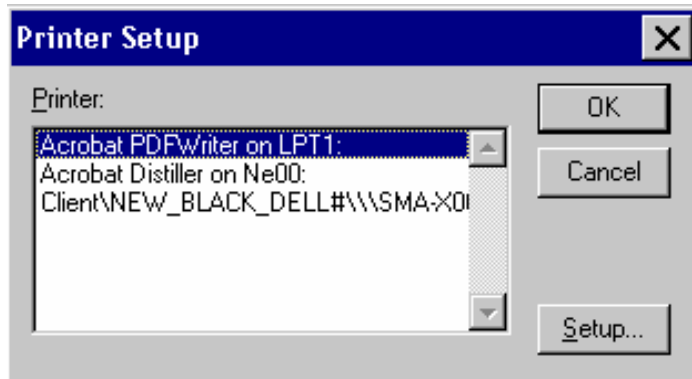
From this preview screen you can zoom out or scroll down the page to see a mock export arrangement. This mock layout is based on the current grouping and sorting options.



Preview

To print a copy of this preview, you must first click the Printer Setup at the bottom of the screen, select your printer from the list, and press OK.

Then click the Print button at the bottom of the screen.

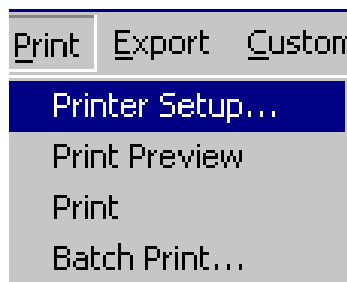


Print

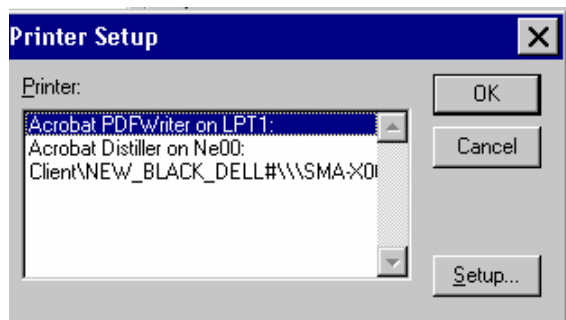
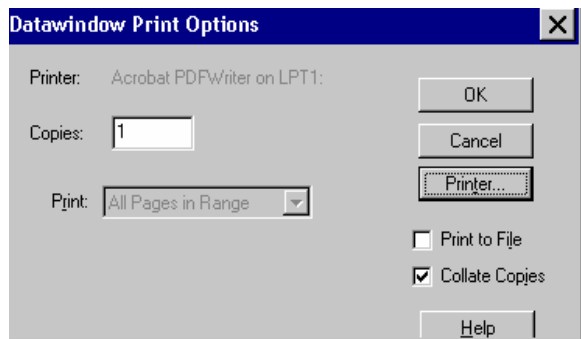
Batch Print

The batch print option allows you to select multiple reports to print at one time. To print more than one report at a time, click on the Print menu at the top of the screen.

Click on the Printer Setup option.

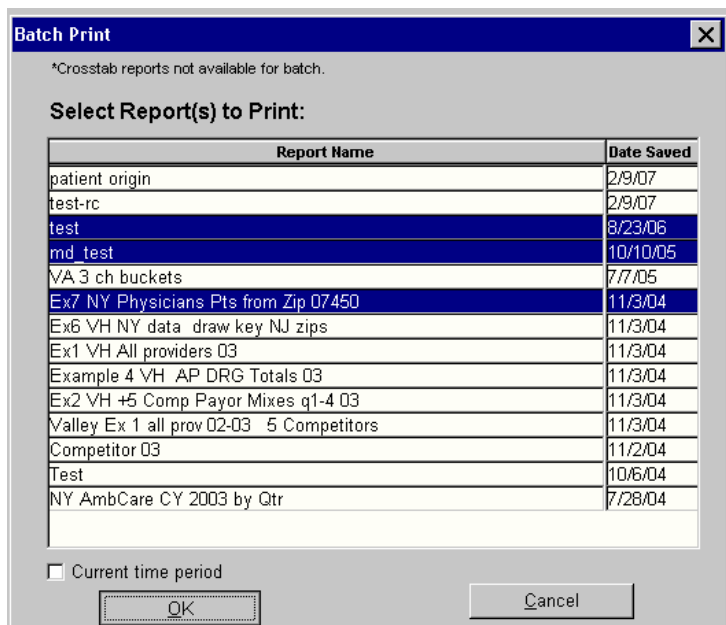


Click the “Printer...” and select your printer from the list.

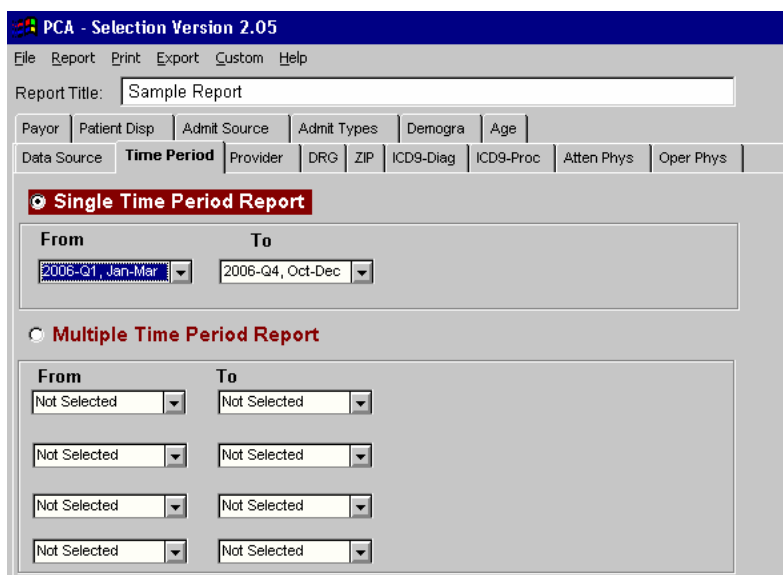


Click the Setup button to verify document properties and press OK. Click OK to exit the screens.

Again, select the Print menu at the top of the screen and click the Batch Print option. Select (highlight) the reports you wish to print and press OK. All selected reports will be opened and printed.

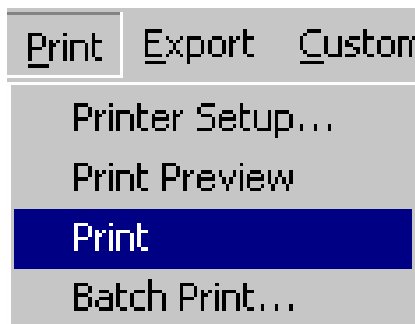


A batch of previously saved reports can be printed using a time period other than the one chosen at the time the reports were saved. To do this you must first select the Time Period tab and set a 'new' time period. Then, follow the steps above to select the reports to be printed and check the Current time period option at the bottom left of the screen.

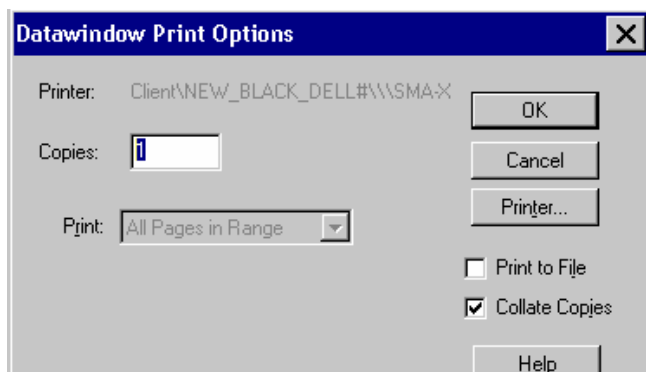


Print a Report

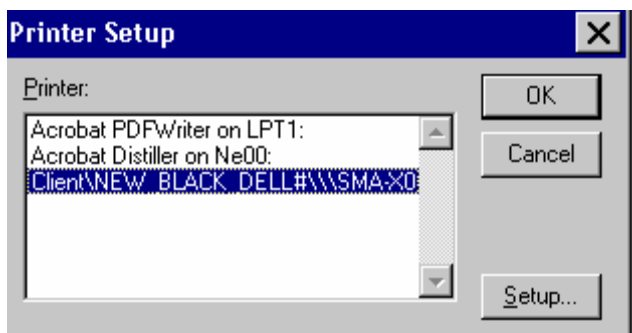
To print your report directly to a printer (no print preview), click on the Print menu at the top of the screen and click the Print option.



Specify the number of copies and print range.



Click the “Printer...” button at the right and choose your printer from the list. Press OK when ready.



Print

To print from the Print Preview screen, click the Print button at the top of the preview screen. Specify the number of copies and range of pages to be printed.

The screenshot shows the 'Patient Care Analyst 3.01' interface. At the top, there is a toolbar with buttons for 'Zoom', 'Page', 'Printer Setup', 'Print', 'Export', and 'Close'. The 'Print' button is highlighted with a red circle. Below the toolbar, the main content area displays a 'Test Report' for 'MD - Inpatient (APR DRG)' covering 'Quarter 1, 2014 Through Quarter 4, 2014'. The report includes various criteria and filters such as 'Report Criteria: LOS 0 - 999', 'Total Charges \$0 - 9,999,999', 'Provider: Group: All MD Hosp Excluding 3 Rehabs', 'DRG: All', 'ZIP: All', 'ICD-9 Diag: All (Level 1 - 1)', 'ICD-9 Proc: All (Level 1 - 1)', 'Atten Phvs: All', 'Oper Phvs: All', 'Favor: All', 'CPT-4: All (Level 1 - 1)', 'Disposition: All', 'Admission Source: Individual Value: Admit FROM ANY other health institution', 'ER Admission: All', 'Age Groups: Group: Medicare 65+', 'Race: All', 'Ethnicity: All', and 'Gender: Male'. At the bottom, there is a table header with columns: 'Provider', 'Cases', 'Pat. Day', 'LOS', 'Charge', 'Charge Cases', 'Cases', 'Days', 'Days', 'Charge', 'Charge'.

The 'Datawindow Print Options' dialog box is shown. It has a title bar with a close button. The 'Printer:' field is set to 'Client\NEW_BLACK_DELL#\SMA-X'. The 'Copies:' field is set to '1'. The 'Page Range' section has three radio buttons: 'All', 'Current Page', and 'Pages:'. The 'Pages:' radio button is selected, and the text '1-3' is entered in the adjacent text box. Below this, there is a note: 'Enter page numbers and/or page ranges separated by commas. For example, 2,5,8-10'. The 'Print:' dropdown menu is set to 'All Pages in Range'. On the right side, there are buttons for 'OK', 'Cancel', 'Printer...', 'Print to File', and 'Collate Copies' (which is checked). A 'Help' button is at the bottom right.

Click the "Printer..." button at the right and choose your printer from the list. Press OK when finished.

Print the Contents of a Group

The PCA allows you to view (or list, or roll out) the individual values that make up a saved group. To view the individual values in a group, select the group from the box in the upper-left corner of the screen (Select/Deselect Group by Typing or Mouse Click). The group will be listed in the Current Selection window to the right of the screen.

PCA - Selection Version 2.05

File Report Print Export Custom Help

Report Title: Sample Report

Payor Patient Disp Admit Source Admit Types Demogra Age

Data Source Time Period Provider **DRG** ZIP ICD9-Diag ICD9-Proc Atten Phys Oper Phys

Select/Deselect Group by Typing or Mouse Click

*SMA - Thoracic

*SMA - Pulmonary

*SMA - Rehab

*SMA - Rheumatology

*SMA - Substance Abuse

*SMA - Thoracic

*SMA - Ungroupable

Select/Deselect Value by Typing or Mouse Click

075

DRG	DRG Description
075	Major Chest Procedures
076	Other Resp System O.R. Procedu
077	Other Resp System O.R. Procedu
078	Pulmonary Embolism
079	Respiratory Infections & Inflamma

Current Selection

Group Name	Value	Value Name
*SMA - Thoracic		
	075	Major Chest Procedure
	076	Other Resp System O.
	077	Other Resp System O.
	083	Major Chest Trauma V
	084	Major Chest Trauma V
	474	No Longer Valid

Print Group

Rename Group

Save Group Delete Group Deselect All

With your pointer over the group name, click once on the right mouse button. The individual values can now be seen in the Current Selection window. All other data element tabs and software functions are disabled when you are viewing the contents of a group.

However, you do have the ability to print the list (Print Group button), rename the group, or make modifications to the list. When you have finished viewing the contents of the group, click once on the right mouse button while holding the pointer over the group name.

Rename

Rename a Group

Select the group you wish to rename from the box in the upper-left corner of the screen (Select/Deselect Group by Typing or Mouse Click). The group will be listed in the Current Selection window to the right of the screen.

Group Name	Value	Value Name
Diabetes- Med Mgmt	018	Cranial + Peripheral Ne
	019	Cranial + Peripheral Ne
	130	Peripheral Vascular Di
	131	Peripheral Vascular Di
	294	Diabetes Age >35
	295	Diabetes Age 0-35
	331	Print Group
	332	Rename Group

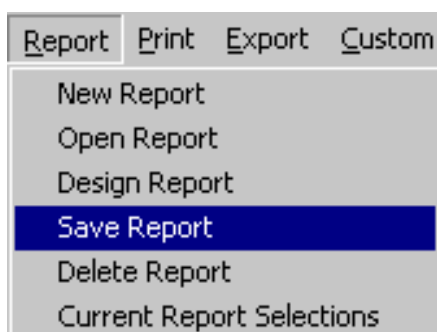
With your pointer over the group name, click once on the right mouse button. The individual values can now be seen in the Current Selection window.

Press the Rename Group option located to the right of the screen. Enter a new name and press OK.

Save

Save a Report

To save a report, click on the Report menu at the top of the screen and click on the Save Report option. The report will automatically be saved under the name that appears in the Report Title box. However, you may rename your saved reports.



Also see Opening a report, Printing a report, and Deleting a report.

Resource List

For information, PCA software support, and customer service:

- SMA Informatics
800 E Leigh Street
Suite 206-14 Bldg One
Richmond VA 23219
Phone: (804) 344-8111
Fax: (804) 344-8113
E-mail: info@smainformatics.com
Web site: www.smainformatics.com

For ICD, and DRG Codes and Descriptions:

- Center for Medicare & Medicaid Service
7500 Security Boulevard
Baltimore, MD 21244
Phone: (410) 786-3000
Web site: <http://www.cms.hhs.gov/>

[Click here](#) to download ICD-9-CM File

[Click here](#) to download DRGs Relative Weight File

For ICD, CPT and DRG code books:

- 3M Health Information Systems
575 West Murray Blvd
Salt Lake City, UT 84123
Phone: (800) 367-2447
Web Site: http://solutions.3m.com/wps/portal/3M/en_US/Health-Information-Systems/HIS/
ICD-9 Encoder Codebooks: <http://encoder.century.edu/codebook/codebook.html>

- American Medical Association
515 North State Street
Chicago, IL 60610
Phone: (800) 621-8335
Fax: (312) 464-5600
Web Site: <http://www.ama-assn.org/ama>

For Zip Codes:

- United States Postal Service
Phone: (800) ASK-USPS
(800) 222-1811
Web: <http://www.usps.gov/ncsc/products/>

Other Sources:

- American Hospital Association—Chicago Headquarters
One North Franklin
Chicago, IL 60606
Phone: (312) 422-3000
Fax: (312) 422-4796
Web site: <http://www.aha.org/>

- American Hospital Association—Order Services
Phone: (800) 242-2626
Fax: (312) 422-4505
Web Site: <http://www.aha.org/>

- HFMA – Healthcare Financial Management Association
Two Westbrook Corporate Center
Suite 700
Westchester, IL 60154-5700
Phone: (800) 252-HFMA (4362) or (708) 531-9600
Web site: <http://www.hfma.org/>

- U.S. Department of Health & Human Services
Agency for Health Care Policy and Research
Office of Health Care Information
2101 East Jefferson Street, Suite 501
Rockville, MD 20852
Phone: (301) 594-1364
Web site: www.ahcpr.gov

- National Center for Health Statistics
U.S. Department of Health & Human Services
Centers for Disease Control and Prevention
6525 Belcrest Road
Hyattsville, MD 20782-2003
Phone: (301) 458-4636
Web site: <http://www.cdc.gov/nchs/>

Maryland Health Data Agencies:

- Maryland Health Care Commission (MHCC)

Phone: (877) 245-1762

Web site: <http://www.mhcc.state.md.us/>

- Maryland Health Services Review Commission (HSCRC)

Phone: (410) 764-2605

Web site: <http://www.hscrc.state.md.us/>

- Maryland Hospital Association (MHA)

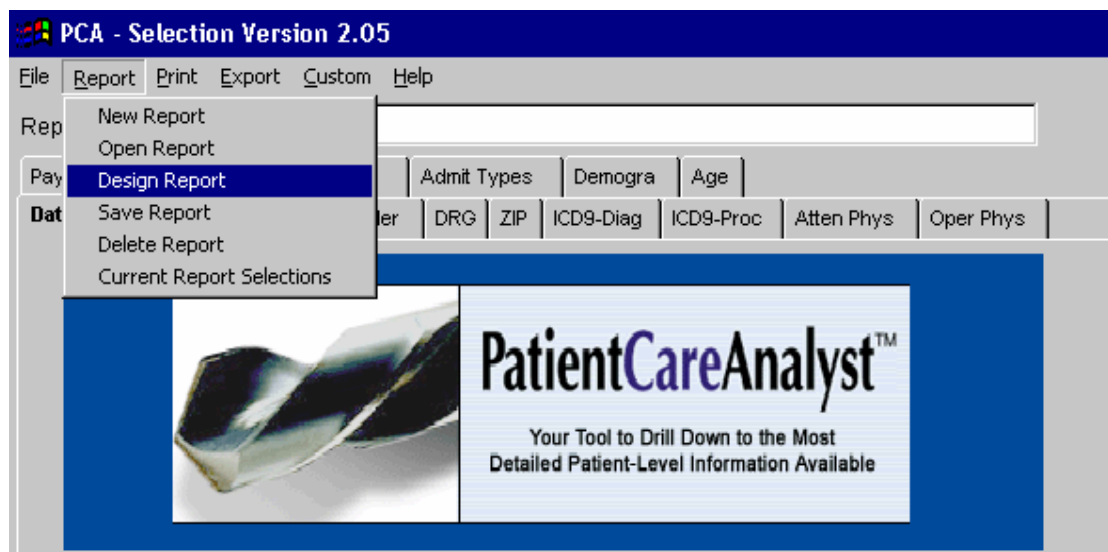
Web site: <http://www.mhaonline.org/>

Appendix: Using the “Charge Bucket Reporting Function” for PCA-Maryland and Florida

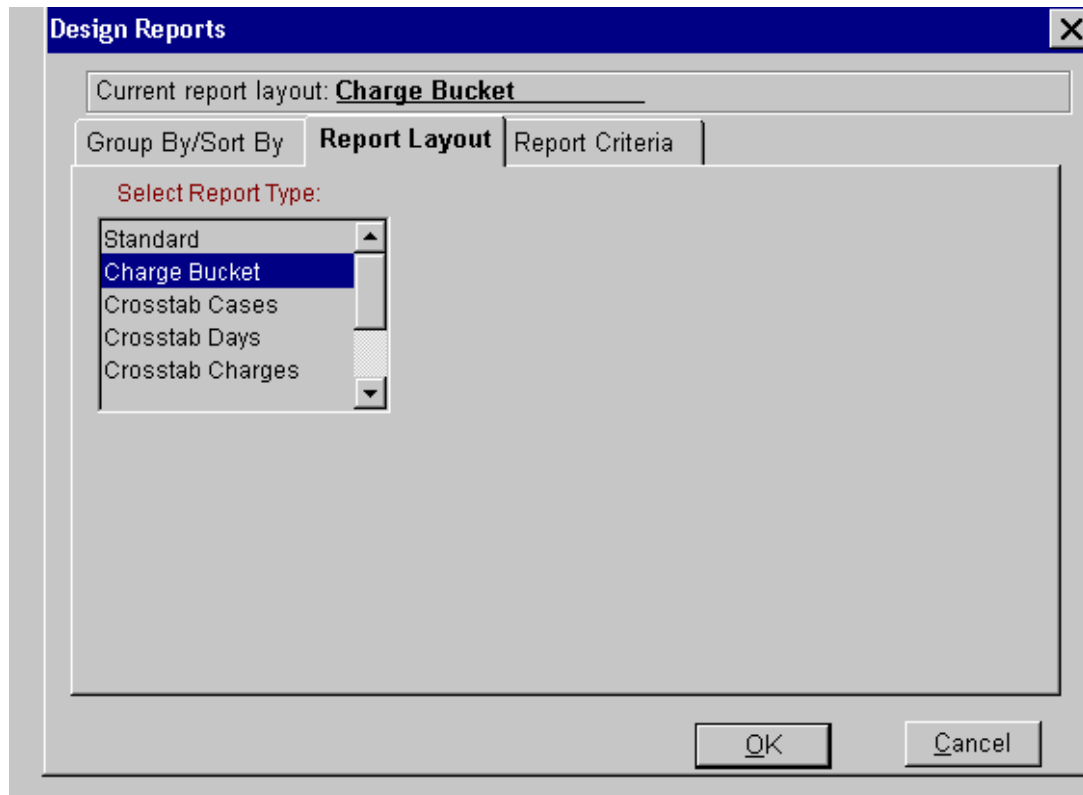
PCA provides a powerful function called “charge bucket reporting” for Maryland and Florida users. This function categorizes UB92 and UB04 codes into eight groups:

- Drug Charges
- Laboratory Charges
- O/R Charges
- Other Charges
- Radiology Charges
- Room Charges
- Supplies Charges
- Therapy Charges

To use this function, click on the Report menu at the top of the screen and click on the Design Report option.



A Design Report window will pop up. Choose Report Layout tab and select Charge Bucket as report type. Press Ok.



The following pages are a sample report using the “Charge Bucket Reporting Function” and “UB92-8 Charge Buckets mapping”

Patient Care Analysis 2.0

test
MD - Inpatient Discharges
Quarter 1, 2006 Through Quarter 4, 2006

Group/Sort/RollUp: Provider (Cases, 0)
Report Criteria: LOS 0 - 999 Total Charges \$0 - 9,999,999
Provider: All
ORG: All
ZIP: All
ICD-9 Diag: All (Level 1 - 1)
ICD-9 Proc: All (Level 1 - 1)
Atten Phys: All
Oper Phys: All
Payor: All
CPT-4: All (Level 1 - 1)
Disposition: All
Admission Source: All
ER Admission: All
Age Groups: All
Race: All
Gender: All

Provider	Cases	Pat. Day	Avg. LOS	Total Charge	Avg. Charge	% of Cases	Cumit %Cases	Daily Room Charges	OR Charges	Charges	Charges	Lab Charges
1) Johns Hopkins	44,082	240,609	5.46	838,243,009	19,016	5.9%	5.9%	384,847,727	62,892,531	64,185,475	50,215,368	64,776,882
2) Holy Cross	36,904	140,467	3.81	276,823,923	7,501	4.9%	10.8%	171,845,845	9,729,773	16,238,845	7,670,631	17,721,205
3) University of Maryland	35,412	189,723	5.36	816,992,141	23,071	4.7%	15.5%	336,938,382	95,548,986	54,782,399	46,600,909	64,460,743
4) Franklin Square	28,536	102,902	3.61	257,626,328	9,027	3.8%	19.3%	131,692,482	14,807,973	19,240,170	15,528,021	15,165,703
5) Anne Arundel Medical Center	28,016	89,584	3.20	206,599,550	7,374	3.7%	23.0%	91,000,361	15,562,118	13,339,601	7,709,670	12,200,569
6) Sinai	27,635	125,742	4.55	365,639,144	13,231	3.7%	26.7%	179,671,013	30,451,478	18,510,650	15,340,868	16,965,127
7) St Joseph Medical Center	26,643	106,123	3.98	276,633,841	10,383	3.5%	30.3%	102,716,932	20,804,501	14,015,090	20,064,331	14,397,624
8) GBMC	26,136	93,509	3.58	188,669,950	7,218	3.5%	33.7%	80,803,470	15,545,292	9,605,419	10,618,364	14,480,798
9) Shady Grove Adventist	23,815	88,658	3.72	170,011,830	7,139	3.2%	36.9%	87,500,400	9,359,282	11,238,315	8,758,967	15,124,314
10) St Agnes	23,606	93,058	3.94	226,744,713	9,604	3.1%	40.0%	112,077,309	14,817,244	15,188,454	12,062,320	18,215,015
11) Peninsula Regional	23,210	101,260	4.36	236,847,039	10,205	3.1%	43.1%	91,613,412	16,544,309	17,834,511	22,187,044	11,821,196
12) Johns Hopkins Bayview	23,136	94,421	4.08	250,096,978	10,808	3.1%	46.2%	119,551,183	14,483,058	11,502,032	17,968,967	22,407,602
13) Union Memorial	19,632	77,137	3.93	262,928,222	13,393	2.6%	48.8%	109,158,012	26,810,890	14,508,146	16,816,428	15,477,595
14) Washington Adventist	19,506	80,704	4.14	200,456,275	10,277	2.6%	51.4%	79,512,862	12,181,590	16,239,376	18,081,248	15,808,199
15) Mercy	19,280	70,157	3.64	172,184,845	8,931	2.6%	54.0%	83,685,402	15,778,812	10,216,854	14,450,172	11,700,780
16) Southern Maryland	19,270	72,454	3.76	142,181,138	7,378	2.6%	56.6%	77,774,381	6,663,195	5,588,415	9,409,978	8,541,115
17) North Arundel	18,325	76,171	4.16	170,374,506	9,297	2.4%	59.0%	83,263,808	12,215,805	10,418,114	10,513,488	13,593,277
18) Washington County	18,144	75,888	4.18	141,460,893	7,797	2.4%	61.4%	68,340,447	9,018,325	9,797,771	7,705,838	10,104,551
19) Frederick Memorial	17,890	69,136	3.86	129,085,489	7,216	2.4%	63.8%	62,344,977	6,526,749	8,312,540	7,665,771	7,385,274
20) Prince Georges Hospital Ctr	17,640	81,538	4.62	181,726,454	10,302	2.3%	66.1%	87,825,300	9,235,988	12,193,340	11,054,758	12,321,029

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Patient Care Analyst 2.0

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MD - Inpatient Discharges
Quarter 1, 2006 Through Quarter 4, 2006

Group/Sort/RollUp: Provider (Cases, 0)
Report Criteria: LOS 0 - 999 Total Charges \$0 - 9,999,999
Provider: All
ORG: All
ZIP: All
ICD-9 Diag: All (Level 1 - 1)
ICD-9 Proc: All (Level 1 - 1)
Atten Phys: All
Oper Phys: All
Payor: All
OPT-4: All (Level 1 - 1)
Disposition: All
Admission Source: All
ER Admission: All
Age Groups: All
Race: All
Gender: All

Provider	Cases	Pat. Day	Avg. LOS	Total Charge	Avg. Charge	% of Cases	Cumit %Cases	Daily Room Charges	OR Charges	Charges	Charges	Lab Charges
21) Good Samaritan	16,890	82,336	4.87	186,644,360	11,051	2.2%	68.4%	82,729,410	11,888,100	13,888,136	9,466,831	12,329,98
22) Carroll County General	16,815	60,347	3.59	125,001,585	7,434	2.2%	70.6%	67,169,950	6,832,776	8,133,741	8,424,775	7,579,17
23) Howard County General	16,680	65,651	3.94	116,751,615	6,999	2.2%	72.9%	49,392,267	7,617,473	8,009,522	11,138,849	8,054,56
24) Upper Chesapeake Medical Center	15,035	46,383	3.09	107,994,150	7,183	2.0%	74.9%	54,765,946	5,278,776	5,557,023	6,407,086	7,230,55
25) Harbor Hospital Center	14,921	57,347	3.84	129,956,489	8,710	2.0%	76.8%	69,773,122	7,484,374	8,934,008	5,834,236	8,462,85
26) Suburban Hospital Center	13,836	56,761	4.10	139,725,814	10,099	1.8%	78.7%	56,505,237	15,324,793	12,002,094	8,296,850	8,952,86
27) Northwest Hospital Center	13,047	55,611	4.26	113,009,774	8,662	1.7%	80.4%	61,381,489	4,884,807	6,606,237	11,262,243	5,390,19
28) Maryland General	13,021	63,402	4.87	127,540,651	9,795	1.7%	82.2%	64,156,623	4,819,670	6,596,654	6,922,356	14,169,86
29) Doctors Community Hospital	11,506	48,732	4.24	100,354,597	8,722	1.5%	83.7%	40,795,620	9,945,921	8,344,740	8,864,566	7,428,03
30) St Marys	10,284	30,319	2.95	61,109,676	5,942	1.4%	85.1%	31,285,884	2,193,143	4,182,780	3,428,259	5,154,72
31) Memorial at Easton	9,962	34,008	3.41	75,553,403	7,584	1.3%	86.4%	36,944,826	3,718,293	4,531,511	3,513,548	5,732,57
32) Montgomery General	9,927	39,238	3.95	81,491,828	8,209	1.3%	87.7%	38,713,297	3,526,128	7,758,150	7,506,271	5,650,00
33) Sacred Heart	9,530	40,364	4.24	79,591,726	8,352	1.3%	89.0%	29,606,562	5,123,052	6,743,322	6,343,471	5,580,70
34) Memorial of Cumberland	8,936	34,313	3.84	62,588,268	7,002	1.2%	90.2%	24,460,204	3,577,093	4,755,417	4,497,985	5,753,30
35) Calvert Memorial	8,776	28,927	3.30	56,132,589	6,396	1.2%	91.3%	25,724,829	2,990,089	4,620,386	3,426,555	4,093,26
36) Union Hospital	8,658	27,717	3.20	57,044,613	6,589	1.2%	92.5%	30,150,588	3,246,096	4,742,582	3,284,794	4,405,76
37) CIVISTA Medical Center	8,293	30,957	3.73	55,471,386	6,689	1.1%	93.6%	23,277,118	3,422,774	5,598,044	4,131,904	5,911,26

Patient Care Analyst 2.0

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MD - Inpatient Discharges
Quarter 1, 2006 Through Quarter 4, 2006

Group/Sort/RollUp: Provider (Cases, 0)
Report Criteria: LOS 0 - 999 Total Charges \$0 - 9,999,999
Provider: All
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ICD-9 Proc: All (Level 1 - 1)
Atten Phys: All
Oper Phys: All
Payor: All
CPT-4: All (Level 1 - 1)
Disposition: All
Admission Source: All
ER Admission: All
Age Groups: All
Race: All
Gender: All

Provider	Cases	Pat. Day	Avg. LOS	Total Charge	Avg. Charge	% of Cases	Cumit %Cases	Daily Room Charges	OR Charges	Charges	Charges	Lab Charges
38) Bon Secours	8,014	39,048	4.87	79,418,560	9,910	1.1%	94.7%	45,304,975	4,142,090	5,973,819	4,523,723	5,345,1
39) Laurel Regional Hospital	7,372	30,839	4.18	56,082,763	7,608	1.0%	95.6%	27,562,429	2,006,594	5,382,373	2,690,918	4,320,2
40) Hartford Memorial	5,906	23,542	3.98	45,751,370	7,743	0.8%	96.4%	24,353,867	1,557,574	2,890,923	3,149,111	4,166,1
41) Johns Hopkins - Oncology	5,005	35,376	7.07	131,636,050	26,301	0.7%	97.1%	59,185,698	8,447,264	21,710,618	5,770,613	12,826,3
42) Chester River Hospital	3,864	16,856	4.36	27,923,859	7,227	0.5%	97.6%	11,284,146	1,995,696	2,528,922	2,082,027	2,660,7
43) Atlantic General	3,516	13,058	3.71	29,501,043	8,386	0.5%	98.1%	10,831,997	2,705,078	2,721,902	2,072,071	2,703,8
44) Dorchester General	3,224	12,528	3.89	21,634,290	6,710	0.4%	98.5%	9,695,244	761,276	2,675,576	1,002,443	2,365,5
45) Garrett County Memorial	2,926	8,940	3.05	19,451,222	6,643	0.4%	98.9%	7,916,019	1,534,845	1,450,301	1,093,649	1,491,3
46) Fort Washington Hospital	2,772	10,845	3.91	19,920,098	7,186	0.4%	99.3%	9,855,677	2,377,556	1,144,737	1,666,670	1,516,7
47) Kernan	2,616	23,431	8.96	38,014,150	14,531	0.3%	99.6%	18,917,262	1,709,310	3,140,556	432,981	1,192,5
48) Kessler-Adventist Rehab Hospital	1,342	16,318	12.16	23,171,277	17,266	0.2%	99.8%	9,901,817	2,014	3,175,537	80,366	595,2
49) Chesapeake Rehab	844	13,296	15.75	20,590,192	24,396	0.1%	99.9%	9,576,470	11,192	2,980,693	91,589	395,5
50) McCready Memorial	746	2,129	2.85	5,234,766	6,998	0.1%	100.0%	2,256,947	207,822	587,706	353,898	710,8
Totals:	751,104	3,117,860	4.15	7,705,618,432	10,259	100%		3,575,839,225	548,309,568	530,323,527	468,183,779	544,838,5

IP_UB92_8 Charge Bucket_HSCR

DRUG CHARGES

UB92_code	UB92_description
250	PHARMACY
251	DRUGS/GENERIC
252	DRUGS/NONGENERIC
253	DRUGS/TAKEHOME
254	DRUGS/LESS THAN EFFECT
255	BLOOD/OTHER
256	DRUGS/EXPERIMT
257	DRUGS/NONPSCRPT
258	IV SOLUTIONS
259	DRUGS/OTHER
260	IV THERAPY
261	INFUS PUMP
269	IV THERAPY/OTHER
636	DRUGS
637	DRUGS/SELF ADMIN.
771	VACCINE ADMIN.

LABORATORY CHARGES

UB92_code	UB92_description
300	LABORATORY OR. (LAB)
301	LAB/CHEMISTRY
302	LAB/IMMUNOLOGY
303	LAB/RENAL HOME
304	LAB/NR DIALYSIS
305	LAB/HEMATOLOGY
306	LAB/BACT-MICRO
307	LAB/UROLOGY
309	LAB/OTHER

310	PATHOLOGY LAB OR (PATH LAB)
311	PATHOL/CYTOLOGY
312	PATHOL/HYSTOL
314	PATHOL/BIOPSY
319	PATHOL/OTHER
920	OTHER DX SVS
921	PERI VASCUL LAB
922	EMG
923	PAP SMEAR
924	ALLERGY TEST
925	PREG TEST
929	ADDITIONAL DX SVS

O/R CHARGES

UB92_code	UB92_description
360	OR SERVICES
361	OR/MINOR
362	OR/ORGAN TRANS
367	OR/KIDNEY TRANS
369	OR/OTHER
490	AMBUL SURG
499	OTHER AMBL SURG
710	RECOVERY ROOM
719	OTHER RECOV RM

OTHER CHARGES

UB92_code	UB92_description
190	OBSERVATION RATE
240	ALL INCL ANCIL
249	ALL INCL ANCIL/OTHER
370	ANESTHESIA
372	ANESTHE/OTHDIAG SERVICES
374	ANESTHE/ACUPUNC

379	ANESTHE/OTHER
380	BLOOD
381	BLOOD/PKD RED
382	BLOOD/WHOLE
383	BLOOD/PLASMA
384	BLOOD/PLATELETS
385	BLOOD/LEUCOCYTES
386	BLOOD/COMPONENTS
387	BLOOD/DERIVATIVES
389	BLOOD/OTHER
390	BLOOD/STOR-PROC
391	BLOOD/ADMIN
399	BLOOD/OTHER STOR
450	EMERG ROOM
451	E/R ROOM SCREEN
452	E/R BEYOND EMTALA
456	URGENT CARE
459	OTHER EMER ROOM
500	OUTPATIENT/SVS
509	OUTPATIENT/OTHER
510	CLINIC
511	CHRONIC PAIN CL
512	DENTAL CLINIC
513	PSYCH/CLINIC
514	OB-GYN CLINIC
515	PEDS CLINIC
518	MAC
519	OTHER CLINIC
520	FREESTAND CLINIC
521	RURAL/CLINIC
522	RURAL/HOME

523	FAMILY PRACTICE
529	OTHER FR/STD CLINIC
530	OSTEOPATH SVS
531	OSTEOPATH RX
539	OTHER OSTEOPATH
540	AMBULANCE
541	AMBUL/SUPPLY
542	AMBUL/MED TRANS
543	AMBUL/HEARTMOBL
544	AMBUL/OXY
545	AIR AMBULANCE
546	AMBUL/NEONATAL
549	OTHER AMBULANCE
560	MED SOCIAL SVS
561	MED SOCIAL SERV/VISIT
562	MED SOCIAL SERV/HOUR
568	MED SOC SERV/OTHER
569	AIDE/HOME HEALTH
634	EPOGEN/LT 10000 UNITS
635	EPOGEN/GT 10000 UNITS
700	CAST ROOM
709	OTHER CAST ROOM
720	DELIVROOM/LABOR
721	LABOR
722	DELIVERY ROOM
723	CIRCUMCISION
724	BIRTHING CENTER
729	OTHER/DELIV-LABOR
730	EKG/ECG
731	HOLTER MONT
732	TELEMETRY

739	OTHER EKG-ECG
740	EEG
749	OTHER EEG
750	GASTR-INTS SVS
759	OTHER GASTRO-INTS
760	TREATM/OBS ROOM
761	TREATMENT ROOM
762	OBSERVATION ROOM
769	OTHER
777	
790	LITHOTRIPSY/GENERAL
799	LITHOTRIPSY/OTHER
800	RENAL DIALYSIS
801	DIALY/INPT
802	DIALY/INPT/PER
803	DIALY/INPT/CAPD
804	DIALY/INPT/CCPD
809	DIALY/INPT/OTHER
810	KIDNEY ACQUISIT
811	KIDNEY/LIVE
812	KIDNEY/CADAVER
813	KIDNEY/UNKNOWN
819	KIDNEY/OTHER
841	KIDNEY/DIALSYS
850	CCPD/OP OR HOME
851	CCPD/COMPOSITE
880	DIALY/MISC
881	DIALY/ULTRAFILT
889	DIALY/MISC/OTHER
890	DONOR BANK
891	DONOR BANK/BONE

892	DONOR BANK/ORGN
893	DONOR BANK/SKIN
899	OTHER DONOR BANK
940	OTHER RX SVS
941	RECREATION RX
942	EDUC/TRAINING
943	CARDIAC REHAB
944	DRUG REHAB
945	ALCOHOL REHAB
946	CMPLX EQUIP-ROUT
947	CMPLX EQUIP-ANC
949	ADDITIONAL RX SVS
964	PRO FEE/ANES RN

RADIOLOGY CHARGES

UB92_code	UB92_description
320	DX X-RAY/
321	DX X-RAY/ANGIO
322	ARTHROGRAPHY
323	ARTERIOGRAPHY
324	DX X-RAY/CHEST
329	DX X-RAY/OTHER
330	RX X-RAY
331	CHEMOTHER/INJ
332	CHEMOTHER/ORAL
333	RADIATION RX
335	CHEMOTHERP-IV
339	RX X-RAY/OTHER
340	NUCLEAR MEDICINE OR (NUC MED)
341	NUC MED/DX
342	NUC MED/RX
343	DIAG. RADIO. PHARMACEUTICAL

344	THER. RADIO. PHARMACEUTICAL
349	NUC MED/OTHER
350	CT SCAN
351	CT SCAN/HEAD
352	CT SCAN/BODY
359	CT SCAN/OTHER
400	IMAGE SERVICE
401	MAMMOGRAPHY
402	ULTRASOUND
403	SCREENING MAMMOGRAM
404	PET SCANS
409	OTHER IMAG SVS
480	CARDIOLOGY
481	CARDIAC CATH LAB
482	STRESS TEST
483	ECHOCARDIOGRAPHY
489	OTHER CARDIOL
610	MRI/GENERAL
611	MRI/BRAIN
612	MRI/SPINAL CORD
614	MRI/OTHER
615	MRA/HEAD
616	MRA/LOWER EXTREMITY
618	MRA/OTHER
619	MRI/OTHER

ROOM CHARGES

UB92_code	UB92_description
110	ROOM-BOARD/PVT
111	MED-SUR-GY/PVT
112	OB/PVT
113	PEDS/PVT

114	PSTAY/PVT
115	HOSPICE/PVT
116	DETOX/PVT
117	ONCOLOGY/PVT
118	REHAB/PVT
119	OTHER/PVT
120	ROOM-BOARD/SEMI
121	MED-SUR-GY/2BED
122	OB/2BED
123	PEDS/2BED
124	PSTAY/2BED
125	HOSPICE/2BED
126	DETOX/2BED
127	ONCOLOGY/2BED
128	REHAB/2BED
129	OTHER/2BED
130	ROOM-BOARD/3&4BED
131	MED-SUR-GY/3&4BED
132	OB/3&4BED
133	PEDS/3&4BED
134	PSTAY/3&4BED
135	HOSPICE/3&4BED
136	DETOX/3&4BED
137	ONCOLOGY/3&4BED
138	REHAB/3&4BED
139	OTHER/3&4BED
140	ROOM-BOARD/PVT/DLX
141	MED-SUR-GY/DLX
142	OB/DLX
143	PEDS/DLX
144	PSTAY/DLX

145	HOSPICE/DLX
146	DETOX/DLX
147	ONCOLOGY/DLX
148	REHAB/PVT-DLX
149	OTHER/DLX
150	ROOM-BOARD/WARD
151	MED-SUR-GY/WARD
152	OB/WARD
153	PEDS/WARD
154	PSTAY/WARD
155	HOSPICE/WARD
156	DETOX/WARD
157	ONCOLOGY/WARD
158	REHAB/WARD
159	OTHER/WARD
160	R&B
164	R&B/STERILE
167	R&B/SELF
169	R&B/OTHER
170	NURSERY
171	NURSERY/NORM NEWBORN
172	NURSERY/PREME
173	NEWBORN/LEVEL III
174	NEWBORN/LEVEL IV
175	NURSERY/ICU
179	NURSERY/OTHER
180	LEAVE OR ABSENCE OR LOA
182	LOA/PT CONV
183	LOA/THERAPEUTIC
184	LOA/ICF/MR
185	LOA/NURS HOME

189	LOA/OTHER
200	INTENSIVE CARE OR (ICU)
201	ICU/SURGICAL
202	ICU/MEDICAL
203	ICU/PEDS
204	ICU/PSTAY
206	POST ICU
207	ICU/BURN CARE
208	ICU/TRAMA
209	ICU/OTHER
210	CORONARY CARE OR (CCU)
211	CCU/MYO INFARC
212	CCU/PULMONARY
213	CCU/TRANSPLANT
214	POST/CCU
219	CCU/OTHER
220	SPECIAL CHARGES
221	ADMIT CHARGE
222	TECH SUPPT CHG
223	UR CHARGE
224	MED NEC LATE DISCHG
229	OTHER SPEC CHG
230	NURSING INCREM
231	NUR INCR/NURSERY
232	NUR INCR/OB
233	NUR INCR/ICU
234	NUR INCR/CCU
235	NUR INCR/HOSPICE
239	NUR INCR/OTHER
280	ONCOLOGY
289	ONCOLOGY/OTHER

550	SKILLED NURSING
551	SKILLED NURS/VISIT
552	SKILLED NURS/HOUR
559	SKILLED NURS/OTHER

SUPPLIES CHARGES

UB92_code	UB92_description
270	MED-SUR SUPPLIES
271	MED-SUR SUPPLIES
272	STERILE SUPPLY
273	TAKEHOME SUPPLY
274	PROSTHETIC DEV
275	PACEMAKER
276	INTRA OCULAR LENS
277	O2/TAKEHOME
278	SUPPLY/IMPLANTS
279	SUPPLY/OTHER
290	MED EQUIP/DURAB
291	MED EQUIP/RENT
292	MED EQUIP/PURCH
299	MED EQUIP/OTHER
621	MED-SUR SUP/INC DNT RAD
622	MED-SUR SUP/INC DNT ODX
623	MED-SUR SUPP/TAKE HOME

THERAPY CHARGES

UB92_code	UB92_description
410	RESPIRATORY SVC
412	INHALATION SVC
413	HYPERBARIC O2
419	OTHER RESPIR SVS
420	PHYSICAL THERP
421	PHYS THERP/VISIT

422	PHYS THERP/HOUR
423	PHYS THERP/GROUP
424	PHYS THERP/EVAL
429	OTHER PHYS THERP
430	OCCUPATION THER
431	OCCUP THERP/VISIT
432	OCCUP THERP/HOUR
433	OCCUP THERP/GROUP
434	OCCUP THERP/EVAL
439	OTHER OCCUP THER
440	SPEECH PATHOL
441	SPEECH PATH/VISIT
442	SPEECH PATH/HOUR
443	SPEECH PATH/GROUP
444	SPEECH PATH/EVAL
449	OTHER SPEECH PAT
460	PULMONARY FUNC
469	OTHER PULMON FUNC
470	AUDIOLOGY
471	AUDIOLOGY/DX
472	AUDIOLOGY/RX
479	OTHER AUDIOL
900	PSTAY TREATMENT
901	ELECTRO SHOCK
902	MILIEU THERAPY
903	PLAY THERAPY
909	OTHER PSTAY RX
910	PSTAY/SERVICES
911	PSTAY/REHAB
912	PSTAY/DAYCARE
913	PSTAY/NIGHTCARE

914	PSTAY/INDIV RX
915	PSTAY/GROUP RX
916	PSTAY/FAMILY RX
917	PSTAY/BIOFEED
918	PSTAY/TESTING
919	PSTAY/OTHER