



Agency for Healthcare Research and Quality

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Input Your Data – Output Your Website: A Web-Based Tool for Quality and Utilization Reporting

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Leveraging the Expertise of Four Organizations



Battelle
The Business of Innovation

- Convert existing WinQI Wizard
- Produce QIs
- Adapt PHC mapping tool
- Test the tool



Social & Scientific Systems, Inc.
an employee-owned company

- Produce HCUPnet-like utilization queries
- Test the tool



THOMSON REUTERS

- Lead web development and presentation
- Coordinate design efforts
- Test the tool

Overview

*AHRQ **EQUIPS** you with the tools you need to generate a website—transforming your health care data into information about health, costs, and quality of care.*

What is EQUIPS?

Why is it important?

Who is the audience?

How will EQUIPS work?

When will it be deployed?



WHAT: The Concept

A web-based tool that provides local information on
HEALTH CARE USE, COSTS, VOLUME, AND QUALITY

AHRQ creates and distributes software programs to generate web-based query system

Local organizations use programs to host a web-based query system

Local users access the web-based query system to obtain health care information

THE BIG QUESTION WAS: **IS THIS FEASIBLE**



WHY: Rationale

CONSUMERS NEED HEALTH CARE INFORMATION TO MAKE INFORMED CHOICES



“What hospitals in my area perform heart surgery?”

“How many bypass procedures are performed at hospital x versus hospital y?”

“What is the quality of care for cardiac procedures at hospitals in my area?”

“I don’t have insurance, how much should I expect to pay?”

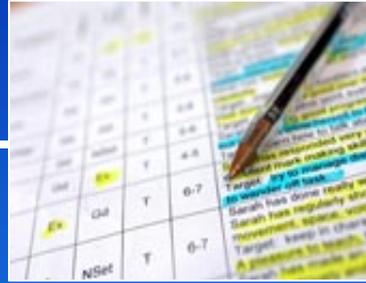
Currently, there is **very limited** health care data available
to answer such questions

Rationale

- State/local organizations have resource limitations
- Unable to develop comprehensive reporting system
 - AHRQ can provide support for these organizations



From Data to Information to Action



Hospital discharge data
are already being
collected

Hospital discharge data
can generate valuable
healthcare information

Consumers can use
this information to
make decisions

WHO: Two User Groups – Host and End User

HOST USER: Organization building the website

State and local data
organizations

Chartered Value Exchanges

Hospitals and health care
systems

Health plans

Anyone with access to
provider-level data

END USERS: People using the website

Consumers

Health Planners

Policy Makers

Media

Data Analysts/Researchers

HOW: The Making of EQUIPS...

Storyboard



Iterative rapid development



Continuous "Alpha" Testing



Beta Test



EQUIPS
code

EQUIPS code distributed to organizations with access to hospital discharge data

Host organizations implement code and load discharge data to create local EQUIPS website on their own servers



End user website

General Considerations as Development Proceeds

USING A SMART DEVELOPMENT AND DESIGN APPROACH

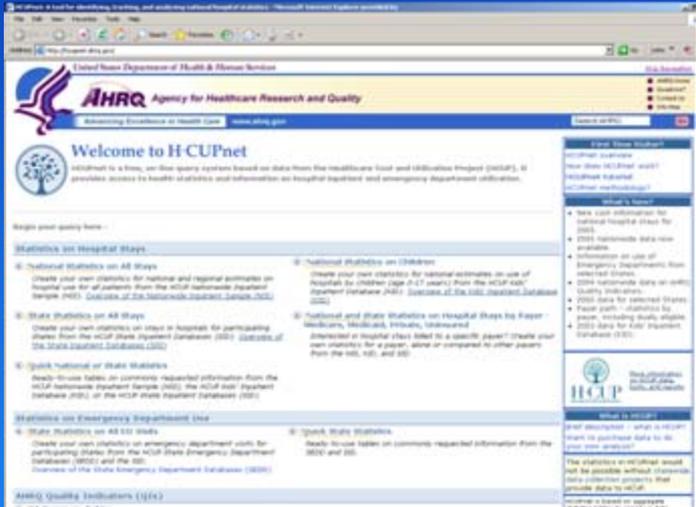
Efficient development	Adapt existing programs to feed into the EQUIP system
Minimal burden	Develop web system based on most commonly used programs and software platforms Ensure methods can be understood by wide range of host users
Customizable features	Modular Customizable user interface
Comprehensibility	Ensure information adheres to standards for conveying statistics to public
Documentation	Document methods throughout for host and end users
Accuracy	Iterative testing of results

Customizable Features

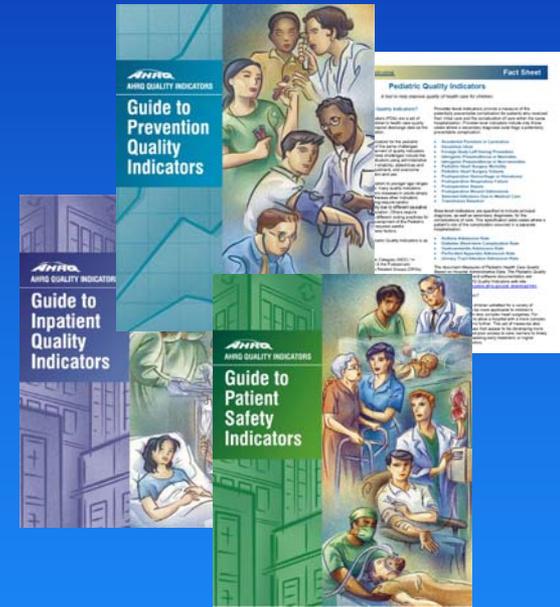
- Modular
 - User can choose which pieces to implement
- Generate user-defined reports
- Create maps of various measures
- Drill down on specific issues by patient and area characteristics
- Customizable Interface
 - Users can insert their logo and organization name

EQUIPS = HCUPnet + QI + More

HCUPnet



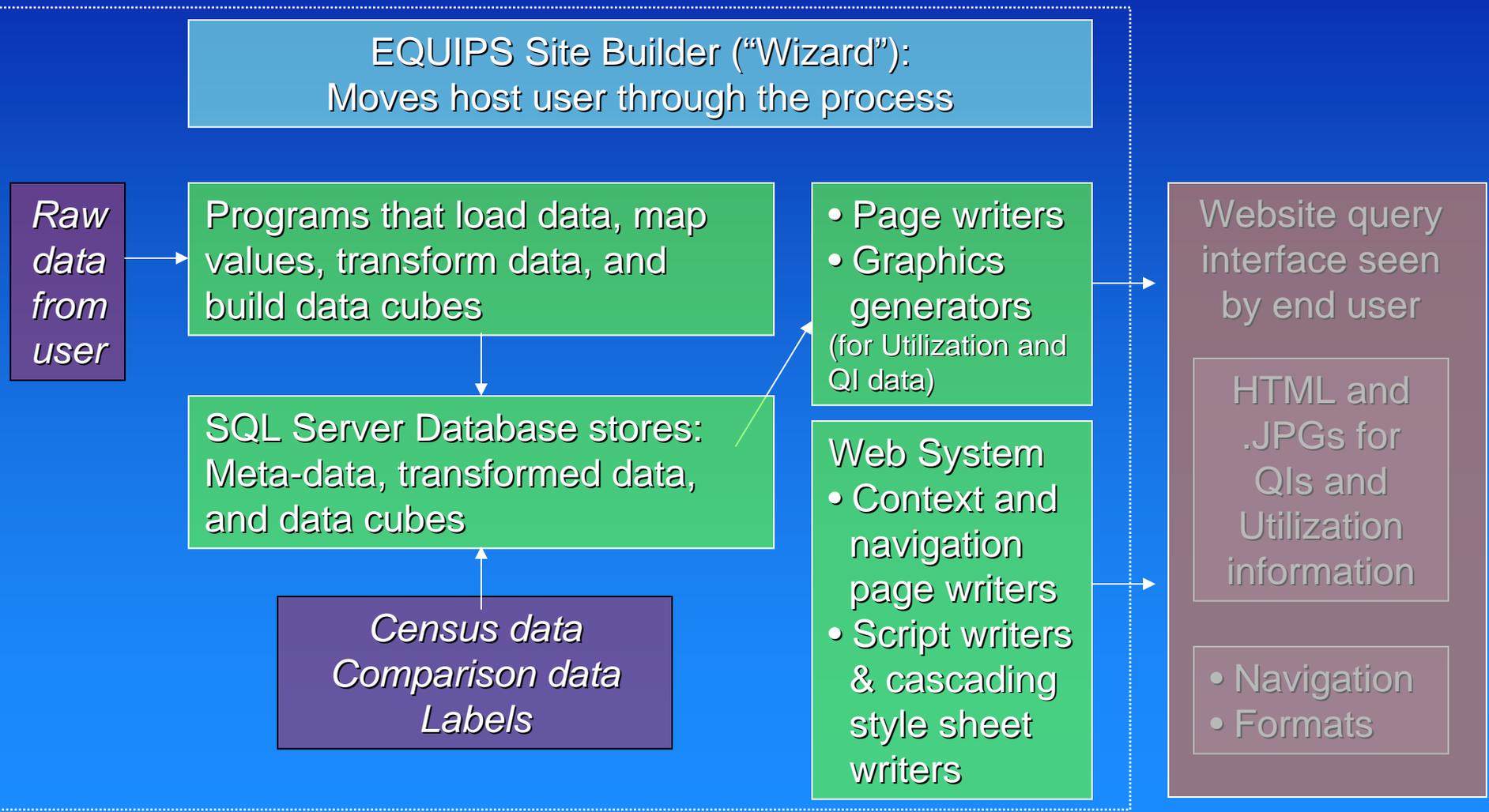
QIs



Query Paths, Output Tables, Interface, Help and Definitions

WinQI Tool, AHRQ QI Measures, Reporting Template, Mapping Tool

A Brief Technical Overview



EQUIPS Paths



[Quality Indicators for Hospitals and Geographic Areas](#)

View measures of quality for hospitals in **either** a report for consumers that allows you to compare hospitals in a prescribed format for public reporting, **or** a report of detailed statistics.



[View Maps Showing Potentially Avoidable Hospitalizations](#)

View potentially avoidable hospitalizations for counties with estimates of cost savings.



[Rates of Health Conditions and Procedures](#)

View statistics on prevalence of disease and medical procedures for counties. You may view the information broken down clinical diagnosis or procedure.



[Utilization Statistics for Health Conditions and Procedures](#)

View information about number of discharges, charges, costs, length of hospitalization and percent of patients who died in specific hospitals, hospitals in geographic regions, or all hospitals in *Your State*. You can select patients by medical condition or treatment procedure.

Example Questions

QUALITY INDICATORS FOR HOSPITALS

- *How does the death rate for heart attack patients compare across four hospitals close to me?*
- *What is the rate of tearing after vaginal delivery in four hospitals?*

POTENTIALLY AVOIDABLE HOSPITAL STAYS

- *Which counties have the highest rates of admission for diabetes complications in my state?*
- *Which communities have the highest rates of C-sections?*

RATES: HEALTH CONDITIONS AND PROCEDURES

- *What is the volume of CABG in this area?*
- *What is the rate of pneumonia hospitalizations in this region?*
- *What is the rate of blood transfusions in the state?*

UTILIZATION: HEALTH CONDITIONS AND PROCEDURES

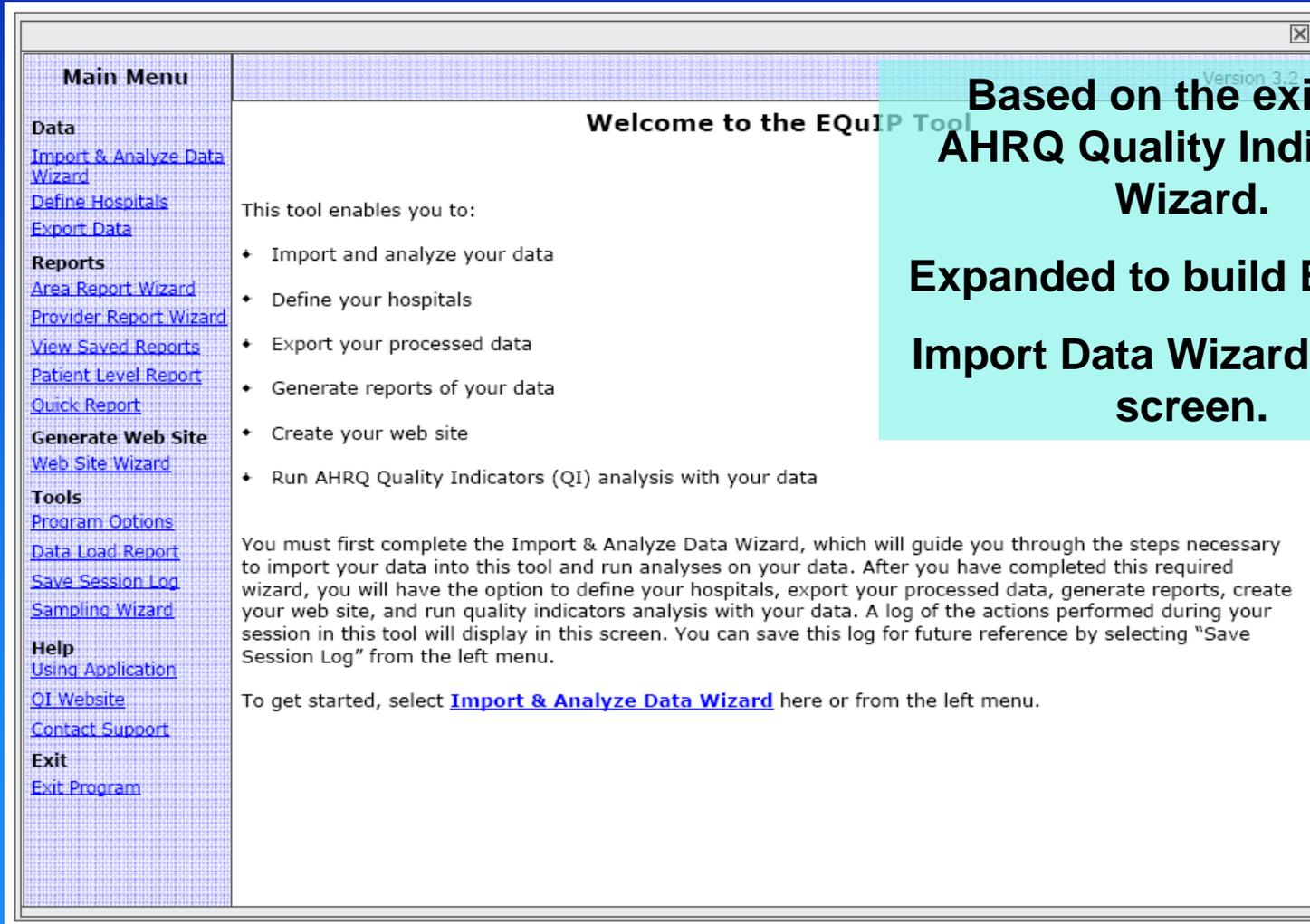
- *How many C-sections were performed at area hospitals?*
- *What was the average charge?*
- *How long do patients usually stay in this hospital for C-sections?*

A Peek at EQUIPS – How will it work?

The **host user** (e.g., local/state organization, an individual hospital) will download the AHRQ EQUIPS Tool and generate a website

The **end user** (e.g., health consumers, analysts) will access the website created by the host user to obtain health care data

A Peek at EQUIPS – A Working Draft What the Host Sees



The screenshot shows a web application window titled "EQuIP Tool" with a version number of 3.2. The interface is divided into a left-hand "Main Menu" and a main content area. The "Main Menu" includes sections for Data, Reports, Generate Web Site, Tools, and Help, with various options like "Import & Analyze Data Wizard" and "Area Report Wizard". The main content area displays a "Welcome to the EQuIP Tool" message, followed by a list of capabilities and a detailed instruction on how to get started.

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[Import & Analyze Data Wizard](#)
[Define Hospitals](#)
[Export Data](#)

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Welcome to the EQuIP Tool Version 3.2

This tool enables you to:

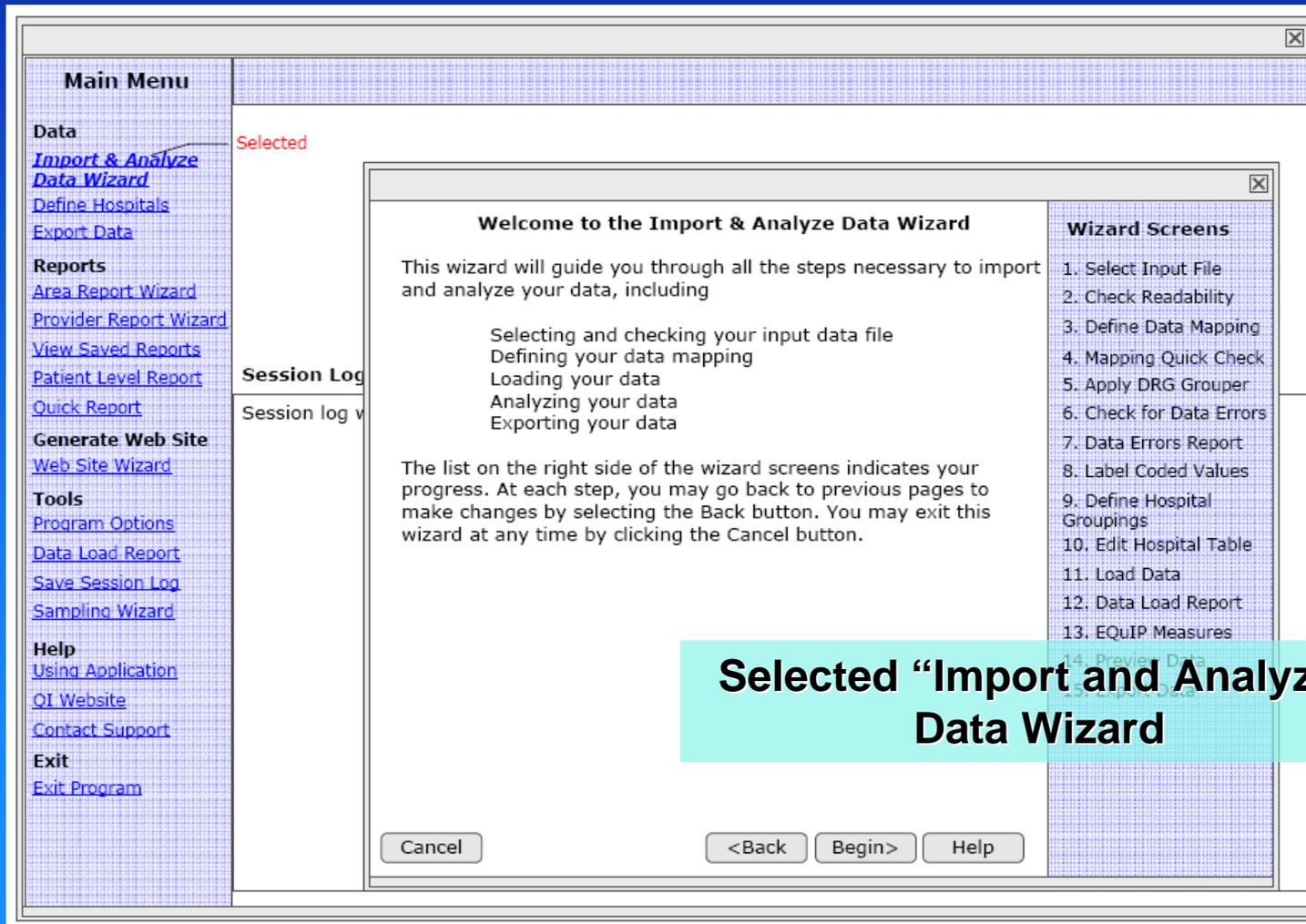
- Import and analyze your data
- Define your hospitals
- Export your processed data
- Generate reports of your data
- Create your web site
- Run AHRQ Quality Indicators (QI) analysis with your data

You must first complete the Import & Analyze Data Wizard, which will guide you through the steps necessary to import your data into this tool and run analyses on your data. After you have completed this required wizard, you will have the option to define your hospitals, export your processed data, generate reports, create your web site, and run quality indicators analysis with your data. A log of the actions performed during your session in this tool will display in this screen. You can save this log for future reference by selecting "Save Session Log" from the left menu.

To get started, select [Import & Analyze Data Wizard](#) here or from the left menu.

**Based on the existing
AHRQ Quality Indicators
Wizard.
Expanded to build EQUIPS.
Import Data Wizard – initial
screen.**

Web Builder



The screenshot displays a web browser window with a 'Main Menu' on the left and a central wizard window. The 'Main Menu' includes sections for Data, Reports, Generate Web Site, Tools, Help, and Exit. The 'Data' section has 'Import & Analyze Data Wizard' selected, indicated by a red 'Selected' label. The wizard window is titled 'Welcome to the Import & Analyze Data Wizard' and contains the following text:

This wizard will guide you through all the steps necessary to import and analyze your data, including

- Selecting and checking your input data file
- Defining your data mapping
- Loading your data
- Analyzing your data
- Exporting your data

The list on the right side of the wizard screens indicates your progress. At each step, you may go back to previous pages to make changes by selecting the Back button. You may exit this wizard at any time by clicking the Cancel button.

The 'Wizard Screens' list on the right includes:

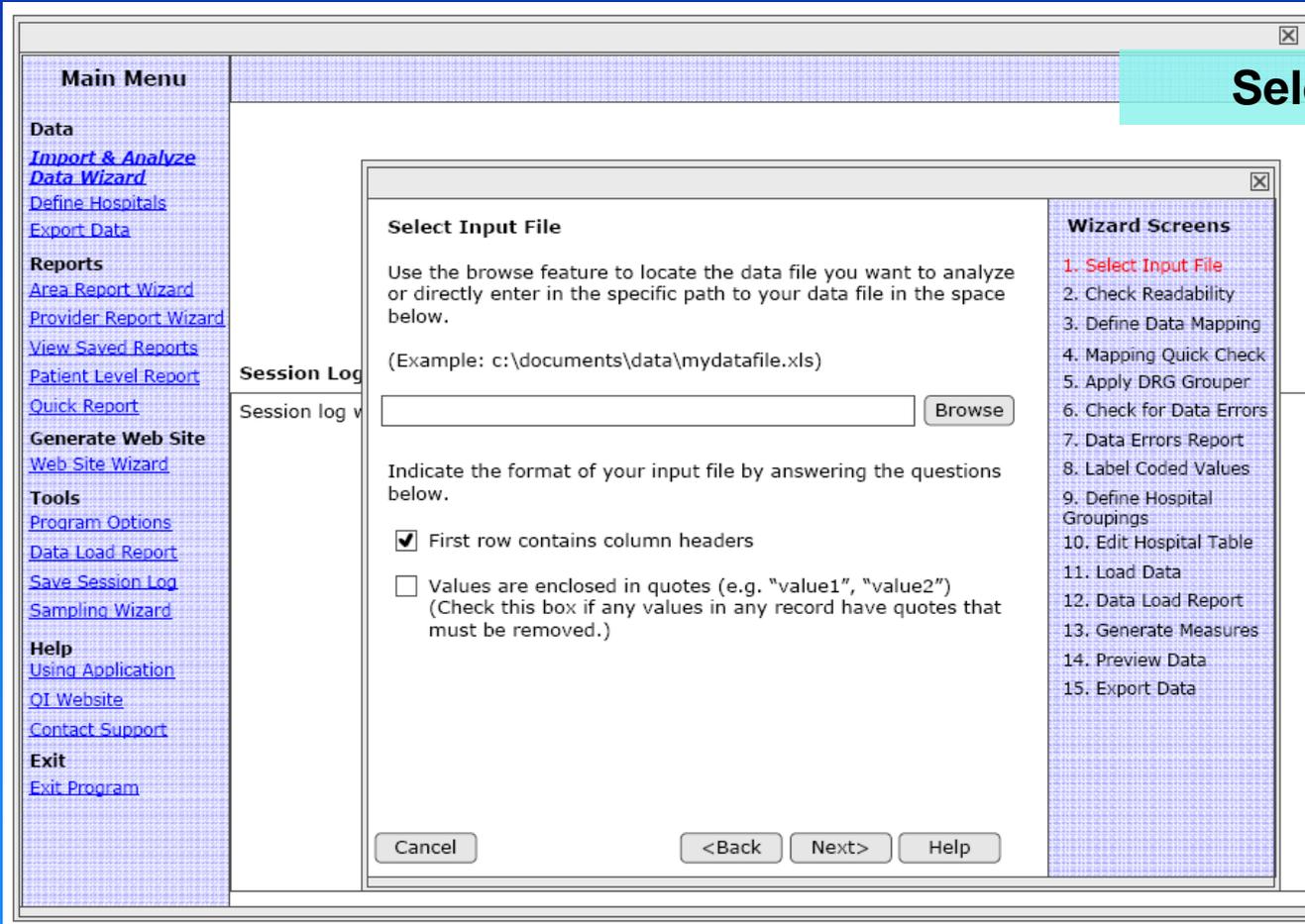
1. Select Input File
2. Check Readability
3. Define Data Mapping
4. Mapping Quick Check
5. Apply DRG Grouping
6. Check for Data Errors
7. Data Errors Report
8. Label Coded Values
9. Define Hospital Groupings
10. Edit Hospital Table
11. Load Data
12. Data Load Report
13. EQUIP Measures
14. Preview Data

Buttons at the bottom of the wizard window include 'Cancel', '<Back', 'Begin>', and 'Help'.

**Selected “Import and Analyze”
Data Wizard**

Web Builder

Select input file.



The screenshot displays the 'Web Builder' application interface. On the left is a 'Main Menu' with categories: Data (Import & Analyze Data Wizard, Define Hospitals, Export Data), Reports (Area Report Wizard, Provider Report Wizard, View Saved Reports, Patient Level Report, Quick Report), Generate Web Site (Web Site Wizard), Tools (Program Options, Data Load Report, Save Session Log, Sampling Wizard), Help (Using Application, OI Website, Contact Support), and Exit (Exit Program). A 'Session Log' window is partially visible. The main area shows a 'Select Input File' dialog box with the following content:

Select Input File

Use the browse feature to locate the data file you want to analyze or directly enter in the specific path to your data file in the space below.

(Example: c:\documents\data\mydatafile.xls)

Indicate the format of your input file by answering the questions below.

- First row contains column headers
- Values are enclosed in quotes (e.g. "value1", "value2")
(Check this box if any values in any record have quotes that must be removed.)

On the right side of the dialog box, there is a 'Wizard Screens' list:

- 1. **Select Input File**
- 2. Check Readability
- 3. Define Data Mapping
- 4. Mapping Quick Check
- 5. Apply DRG Groupers
- 6. Check for Data Errors
- 7. Data Errors Report
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Define Data Mapping

Specify your data mapping from a file, or map your data below. If you do not map DRGs you will be required to run DRG Groupers in the next step. Loading a mapping from a file will clear all existing mappings and overwrite them.

Input Variable (Column Number: Name)	Maps to EQUIP Variable
1. KEY	Key
2. AGE	Age
3. AGEDAY	Age in Days
4. AGEMONTH	
5. AMONTH	
6. APGARS	
7. ASOURCE	Admission Source
8. ASOURCE_X	

Variables Used By EQUIP Tool
Required
Sex
Optional
Hospital ID
Discharge Disposition
Days on Mech Ventilator
Birth Weight Grams
Diagnosis Code 10
Diagnosis Code 11

Sample View of Input File Data

Key	Age	Age in Days	4	5	5	Admission Source	8
KEY	AGE	AGEDAY	AGEMONTH	AMONTH	APGARS	ASOURCE	ASOURCE_X
1	30			12		5	1
2	31			12		5	1
3	32			11		5	1
4	33			11		5	1

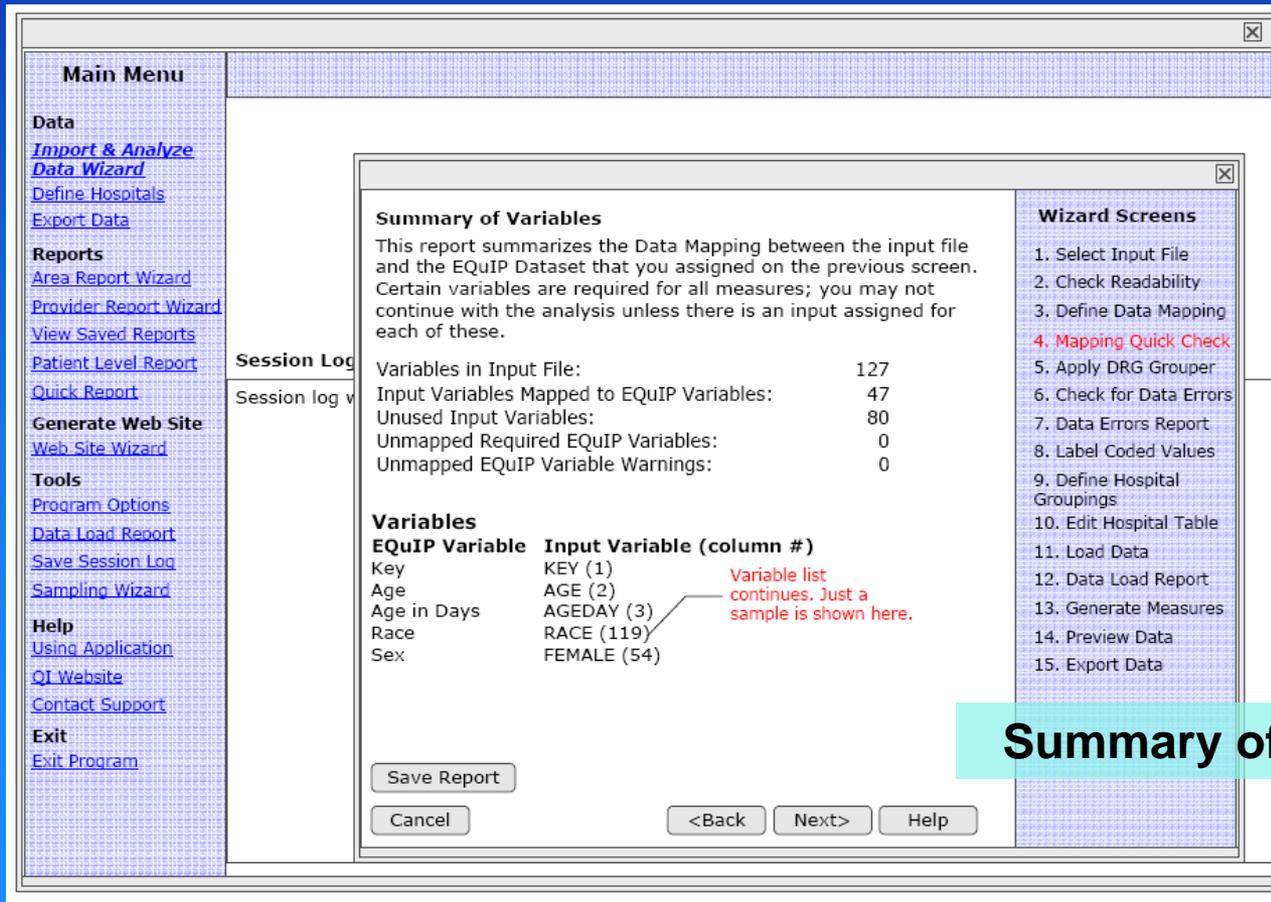
Wizard Screens

1. Select Input File
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Select options for loading and mapping data.

Map input file variables to variables used by software.

This file stores all of the mappings for future use.



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Summary of Variables

This report summarizes the Data Mapping between the input file and the EQUIP Dataset that you assigned on the previous screen. Certain variables are required for all measures; you may not continue with the analysis unless there is an input assigned for each of these.

Variables in Input File:	127
Input Variables Mapped to EQUIP Variables:	47
Unused Input Variables:	80
Unmapped Required EQUIP Variables:	0
Unmapped EQUIP Variable Warnings:	0

Variables

EQUIP Variable	Input Variable (column #)
Key	KEY (1)
Age	AGE (2)
Age in Days	AGEDAY (3)
Race	RACE (119)
Sex	FEMALE (54)

Variable list continues. Just a sample is shown here.

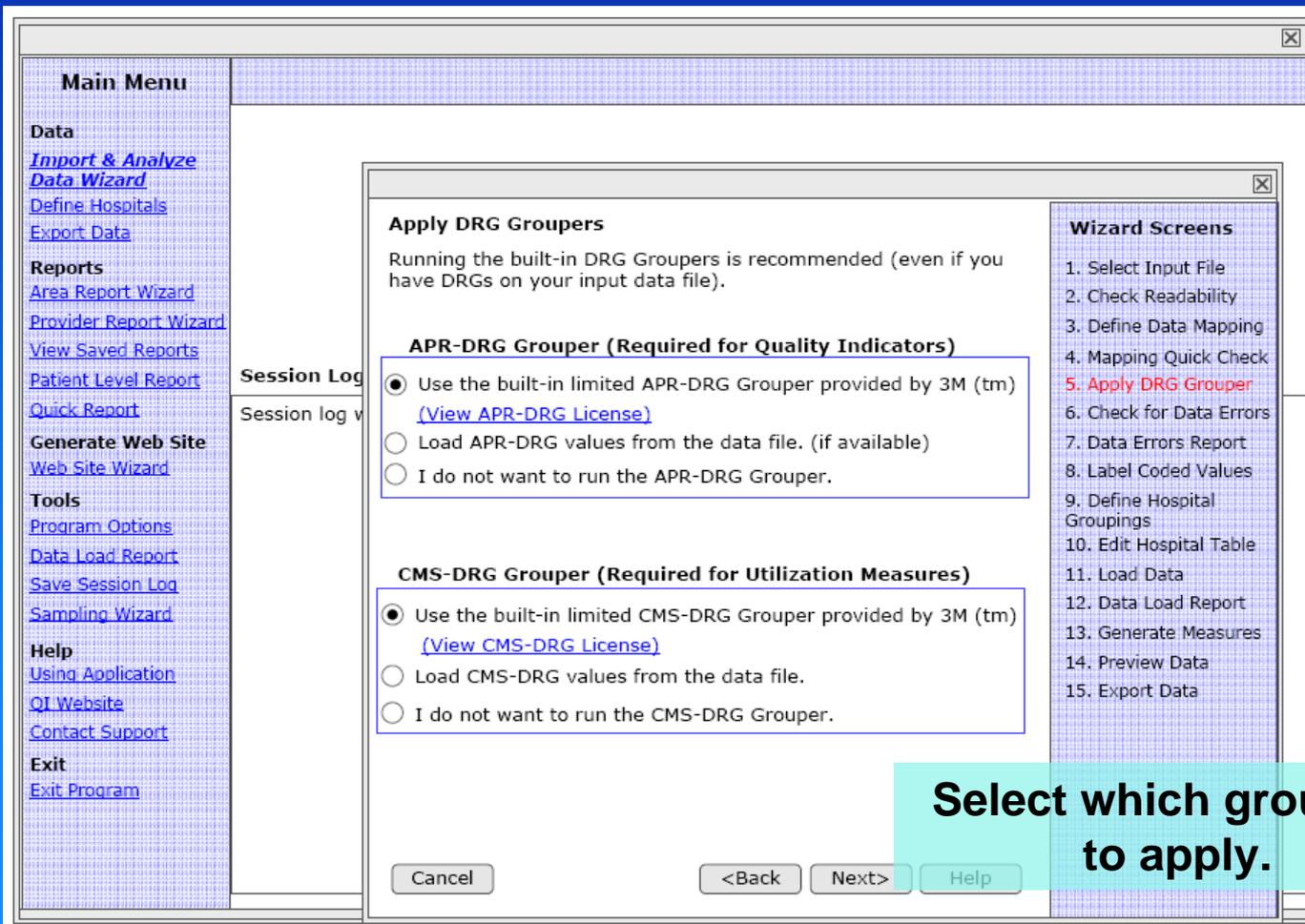
Wizard Screens

1. Select Input File
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Buttons: Save Report, Cancel, <Back, Next>, Help

Summary of variables

Web Builder



The screenshot displays the 'Web Builder' application interface. On the left is a 'Main Menu' with categories: Data (Import & Analyze Data Wizard, Define Hospitals, Export Data), Reports (Area Report Wizard, Provider Report Wizard, View Saved Reports, Patient Level Report, Quick Report), Generate Web Site (Web Site Wizard), Tools (Program Options, Data Load Report, Save Session Log, Sampling Wizard), and Help (Using Application, QI Website, Contact Support). Below the menu is a 'Session Log' section. The main area shows a dialog box titled 'Apply DRG Groupers' with the following content:

Apply DRG Groupers
Running the built-in DRG Groupers is recommended (even if you have DRGs on your input data file).

APR-DRG Grouper (Required for Quality Indicators)

- Use the built-in limited APR-DRG Grouper provided by 3M (tm) ([View APR-DRG License](#))
- Load APR-DRG values from the data file. (if available)
- I do not want to run the APR-DRG Grouper.

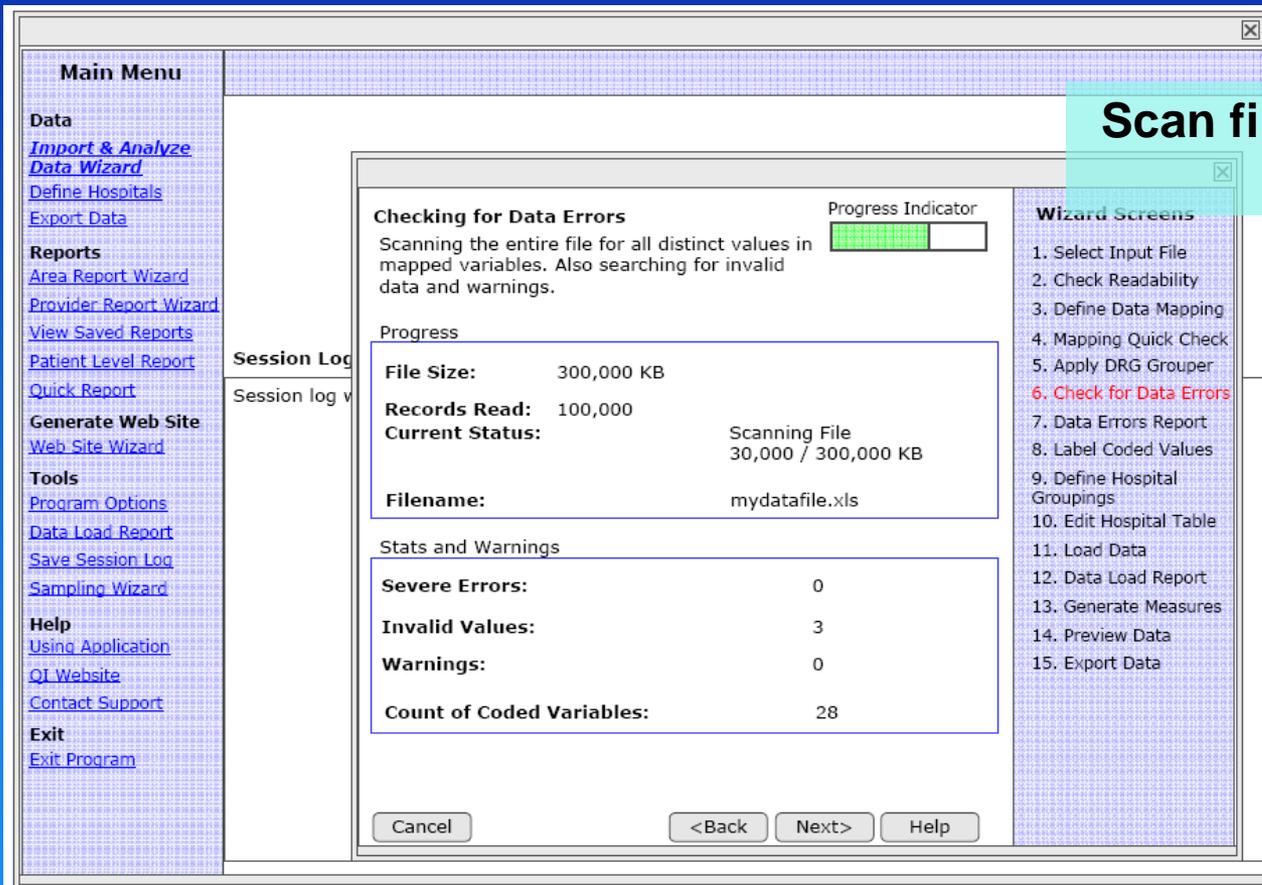
CMS-DRG Grouper (Required for Utilization Measures)

- Use the built-in limited CMS-DRG Grouper provided by 3M (tm) ([View CMS-DRG License](#))
- Load CMS-DRG values from the data file.
- I do not want to run the CMS-DRG Grouper.

At the bottom of the dialog are buttons for 'Cancel', '<Back', 'Next>', and 'Help'. On the right side of the dialog is a 'Wizard Screens' list:

- 1. Select Input File
- 2. Check Readability
- 3. Define Data Mapping
- 4. Mapping Quick Check
- 5. **Apply DRG Grouper**
- 6. Check for Data Errors
- 7. Data Errors Report
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Select which groupers to apply.



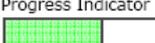
The screenshot shows a web browser window with a 'Main Menu' on the left and a 'Checking for Data Errors' wizard in the center. The wizard includes a progress indicator, a list of wizard screens, and a summary of file statistics and warnings.

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Checking for Data Errors

Scanning the entire file for all distinct values in mapped variables. Also searching for invalid data and warnings.

Progress Indicator: 

Progress

File Size:	300,000 KB
Records Read:	100,000
Current Status:	Scanning File 30,000 / 300,000 KB
Filename:	mydatafile.xls

Stats and Warnings

Severe Errors:	0
Invalid Values:	3
Warnings:	0
Count of Coded Variables:	28

Wizard Screens

1. Select Input File
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Buttons: Cancel, <Back, Next>, Help

Scan file and check for errors.

Data errors report –
choose to exclude
problematic data.

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Data Errors Report

The tool has scanned your input file and found the following warnings and errors. No data have yet been loaded. You may choose to exclude data based on values of certain variables on the following screen.

Column	Records Affected	Message
Age	11	Severe Error: Required numeric value is not a valid number - Record will not be loaded.
Age in Days	4	Invalid Value: Age is greater than zero. Age in days applies for Age < 1.
Diagnosis Code 31	11	Invalid Value: Numeric value is not a valid number - Value will be changed to 'Missing'
column		Warning: Column of ICD-9-CM codes does not have any leading zeros

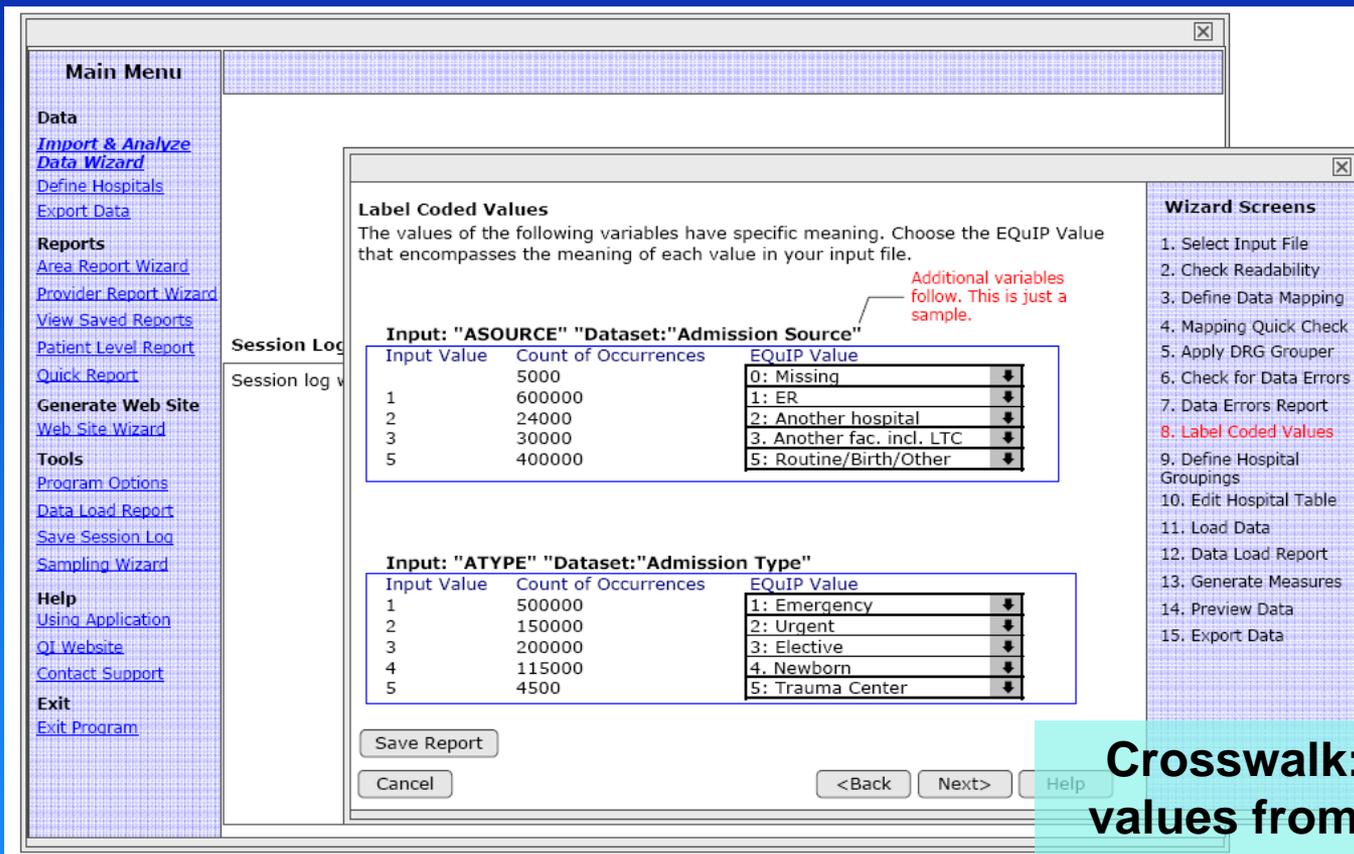
Variables

The following statistics describe the data within your file. Your EQUiP dataset may be different if rows are excluded during the data load.

Column	Number Missing	% Missing
Key	0	0
Age	0	0
Age in Days	100,000	89%

Wizard Screens

1. Select Input File
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Session Log

Session log v

Label Coded Values

The values of the following variables have specific meaning. Choose the EQUIP Value that encompasses the meaning of each value in your input file.

Additional variables follow. This is just a sample.

Input: "ASOURCE" "Dataset:"Admission Source"

Input Value	Count of Occurrences	EQUIP Value
1	5000	0: Missing
2	600000	1: ER
3	24000	2: Another hospital
4	30000	3: Another fac. incl. LTC
5	400000	5: Routine/Birth/Other

Input: "ATYPE" "Dataset:"Admission Type"

Input Value	Count of Occurrences	EQUIP Value
1	500000	1: Emergency
2	150000	2: Urgent
3	200000	3: Elective
4	115000	4: Newborn
5	4500	5: Trauma Center

Wizard Screens

1. Select Input File
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Save Report

Cancel

<Back Next> Help

Crosswalk: Map the values from the input data to standard values required by EQUIPs.

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Session Log

Session log will be

Define Hospital Groupings

Hospitals can be grouped geographically using the Dartmouth Atlas' predefined Hospital Service Areas (HSA) or you can construct your own groupings by manually adding HSAs to your desired list. Choose your state to begin. If you want to put all hospitals into one group, check the box below.

Group all hospitals together

Choose your state

New Jersey

The universe of possible HSAs for your state is listed in the left column below. Move the HSAs you desire into the right column. Use the text field to add HSAs to your desired list. Hold the control key down and click to make multiple selections

HSA Universe		Desired HSAs
Essex, NJ	→	Jersey City, NJ
Camden, NJ		
Cape May, NJ		
Bergen, NJ	←	

Select Entire Universe

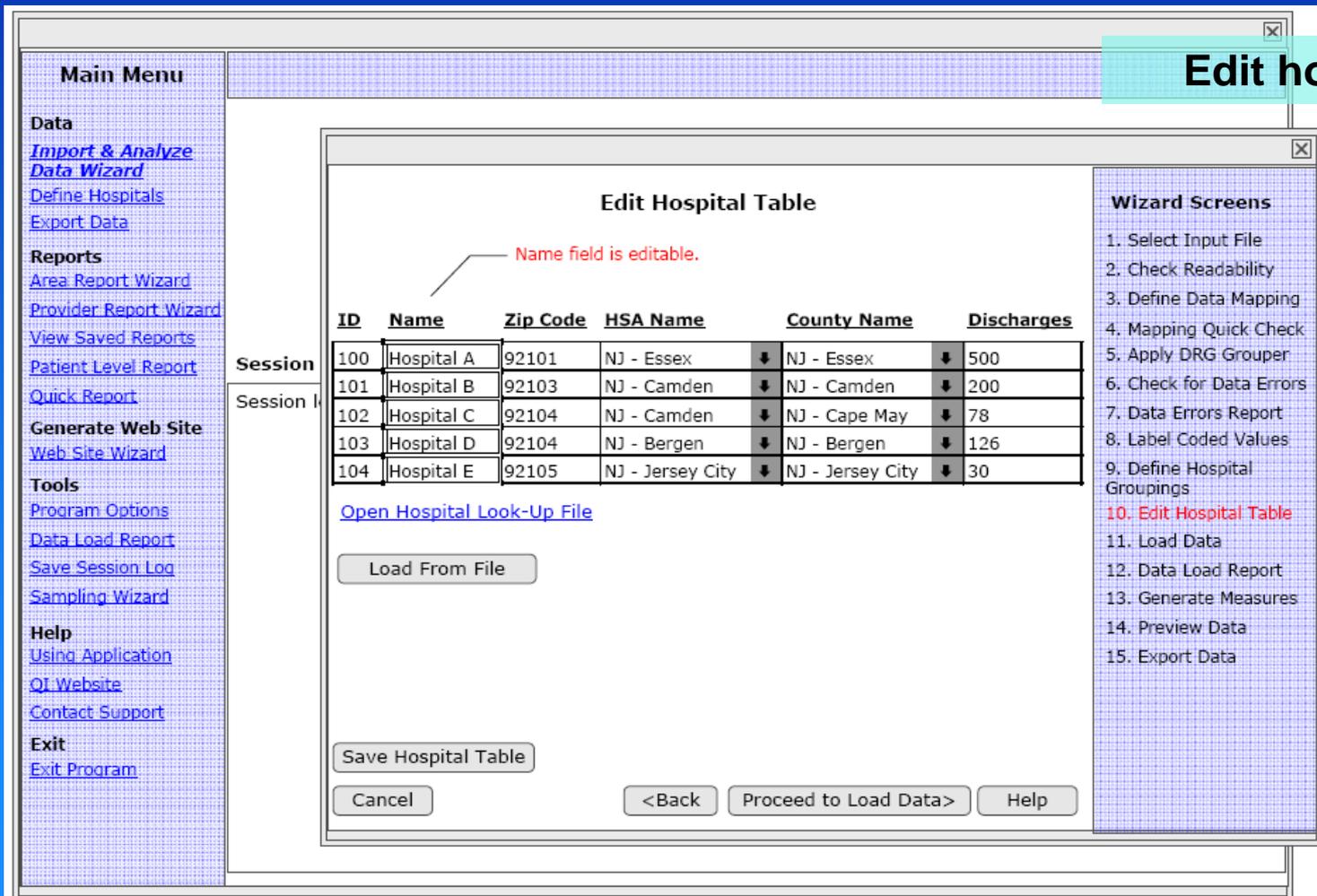
Add an HSA to your desired list

Type in HSA name

Define your groupings of hospitals – choose Hospital Service Areas (HSAs, from Dartmouth) or build your own groupings.

1. Input
2. Check Readability
3. Mapping
4. Mapping Quick Check
5. Apply DDI
6. Check for Data Errors
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Edit hospital lists.



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- [Exit Program](#)

Session

- Session 1

Edit Hospital Table

Name field is editable.

ID	Name	Zip Code	HSA Name	County Name	Discharges
100	Hospital A	92101	NJ - Essex	NJ - Essex	500
101	Hospital B	92103	NJ - Camden	NJ - Camden	200
102	Hospital C	92104	NJ - Camden	NJ - Cape May	78
103	Hospital D	92104	NJ - Bergen	NJ - Bergen	126
104	Hospital E	92105	NJ - Jersey City	NJ - Jersey City	30

[Open Hospital Look-Up File](#)

Load From File

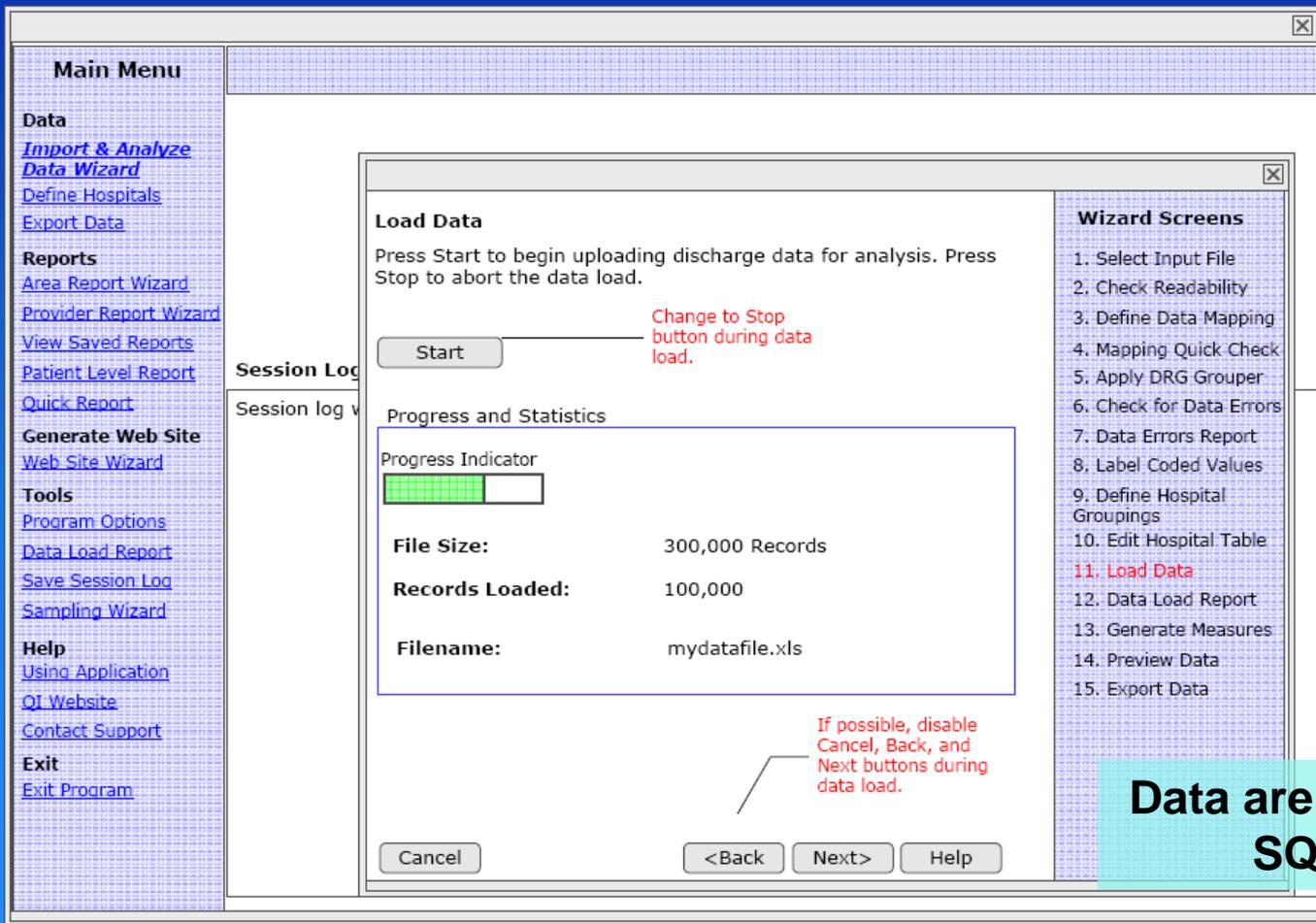
Save Hospital Table

Cancel <Back Proceed to Load Data> Help

Wizard Screens

1. Select Input File
2. Check Readability
3. Define Data Mapping
4. Mapping Quick Check
5. Apply DRG Grouper
6. Check for Data Errors
7. Data Errors Report
8. Label Coded Values
9. Define Hospital Groupings
10. Edit Hospital Table
11. Load Data
12. Data Load Report
13. Generate Measures
14. Preview Data
15. Export Data

Web Builder



The screenshot shows a 'Load Data' wizard window. On the left is a 'Main Menu' with categories: Data (Import & Analyze Data Wizard, Define Hospitals, Export Data), Reports (Area Report Wizard, Provider Report Wizard, View Saved Reports, Patient Level Report, Quick Report), Generate Web Site (Web Site Wizard), Tools (Program Options, Data Load Report, Save Session Log, Sampling Wizard), Help (Using Application, QI Website, Contact Support), and Exit (Exit Program). The 'Load Data' window contains a 'Start' button, a progress indicator (a bar with 100% green), and statistics: File Size: 300,000 Records, Records Loaded: 100,000, and Filename: mydatafile.xls. At the bottom are 'Cancel', '<Back', 'Next>', and 'Help' buttons. Red annotations point to the 'Start' button and the bottom buttons, suggesting they be disabled during the load.

Main Menu

Data

- [Import & Analyze Data Wizard](#)
- [Define Hospitals](#)
- [Export Data](#)

Reports

- [Area Report Wizard](#)
- [Provider Report Wizard](#)
- [View Saved Reports](#)
- [Patient Level Report](#)
- [Quick Report](#)

Generate Web Site

- [Web Site Wizard](#)

Tools

- [Program Options](#)
- [Data Load Report](#)
- [Save Session Log](#)
- [Sampling Wizard](#)

Help

- [Using Application](#)
- [QI Website](#)
- [Contact Support](#)

Exit

- [Exit Program](#)

Load Data

Press Start to begin uploading discharge data for analysis. Press Stop to abort the data load.

Change to Stop button during data load.

Progress and Statistics

Progress Indicator

File Size: 300,000 Records

Records Loaded: 100,000

Filename: mydatafile.xls

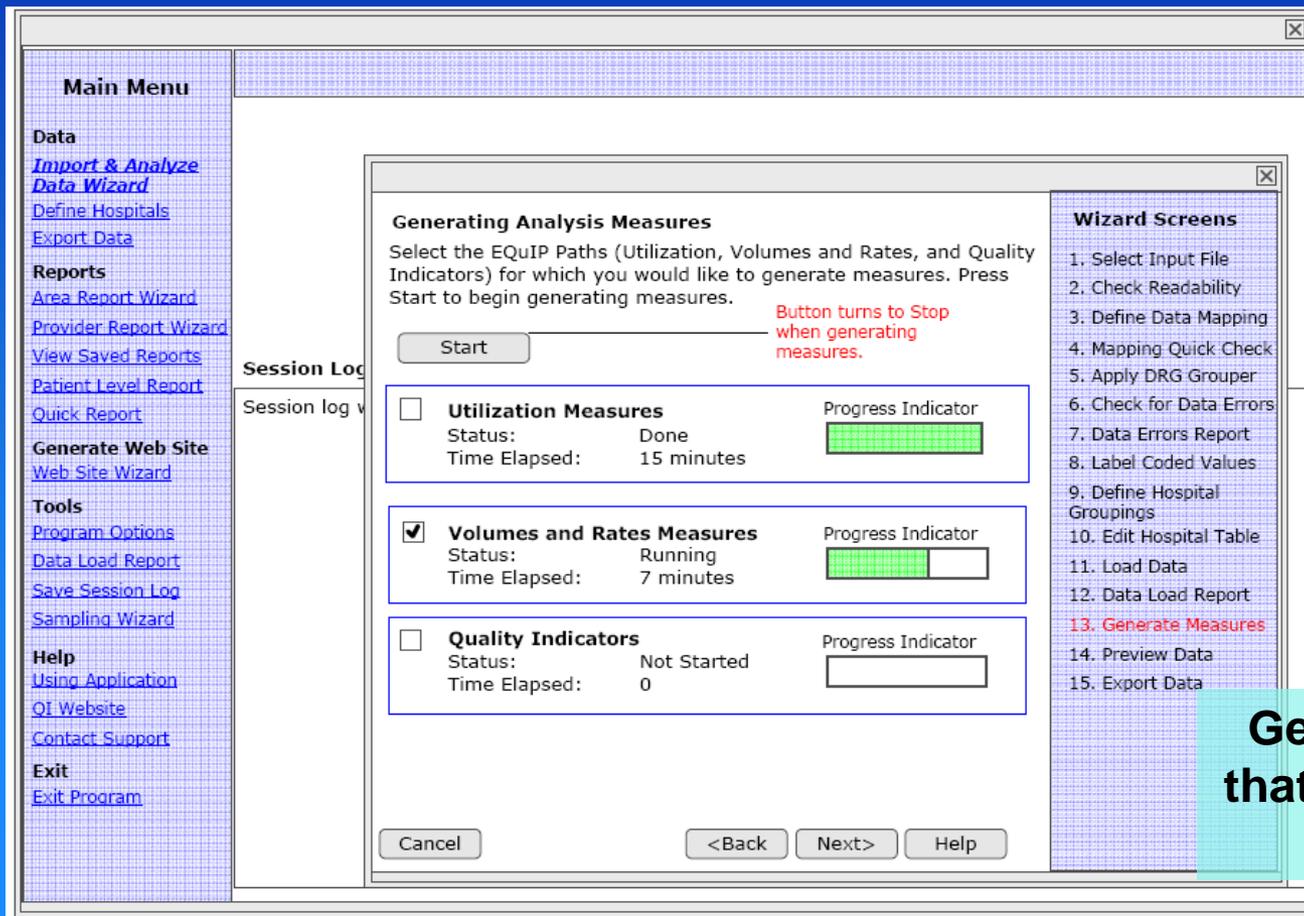
If possible, disable Cancel, Back, and Next buttons during data load.

Wizard Screens

1. Select Input File
2. Check Readability
3. Define Data Mapping
4. Mapping Quick Check
5. Apply DRG Groupers
6. Check for Data Errors
7. Data Errors Report
8. Label Coded Values
9. Define Hospital Groupings
10. Edit Hospital Table
11. Load Data
12. Data Load Report
13. Generate Measures
14. Preview Data
15. Export Data

Data are loaded into an SQL Server.

Web Builder



The screenshot displays the 'Generating Analysis Measures' wizard screen within a software application. On the left is a 'Main Menu' with categories: Data (Import & Analyze Data Wizard, Define Hospitals, Export Data), Reports (Area Report Wizard, Provider Report Wizard, View Saved Reports, Patient Level Report, Quick Report), Generate Web Site (Web Site Wizard), Tools (Program Options, Data Load Report, Save Session Log, Sampling Wizard), Help (Using Application, QI Website, Contact Support), and Exit (Exit Program). A 'Session Log' window is partially visible behind the main wizard. The wizard itself has a title bar and a close button. It contains the following text: 'Generating Analysis Measures', 'Select the EQUiP Paths (Utilization, Volumes and Rates, and Quality Indicators) for which you would like to generate measures. Press Start to begin generating measures.', and a red annotation: 'Button turns to Stop when generating measures.' pointing to the 'Start' button. Below this are three measure categories, each with a checkbox, status, time elapsed, and a progress indicator:

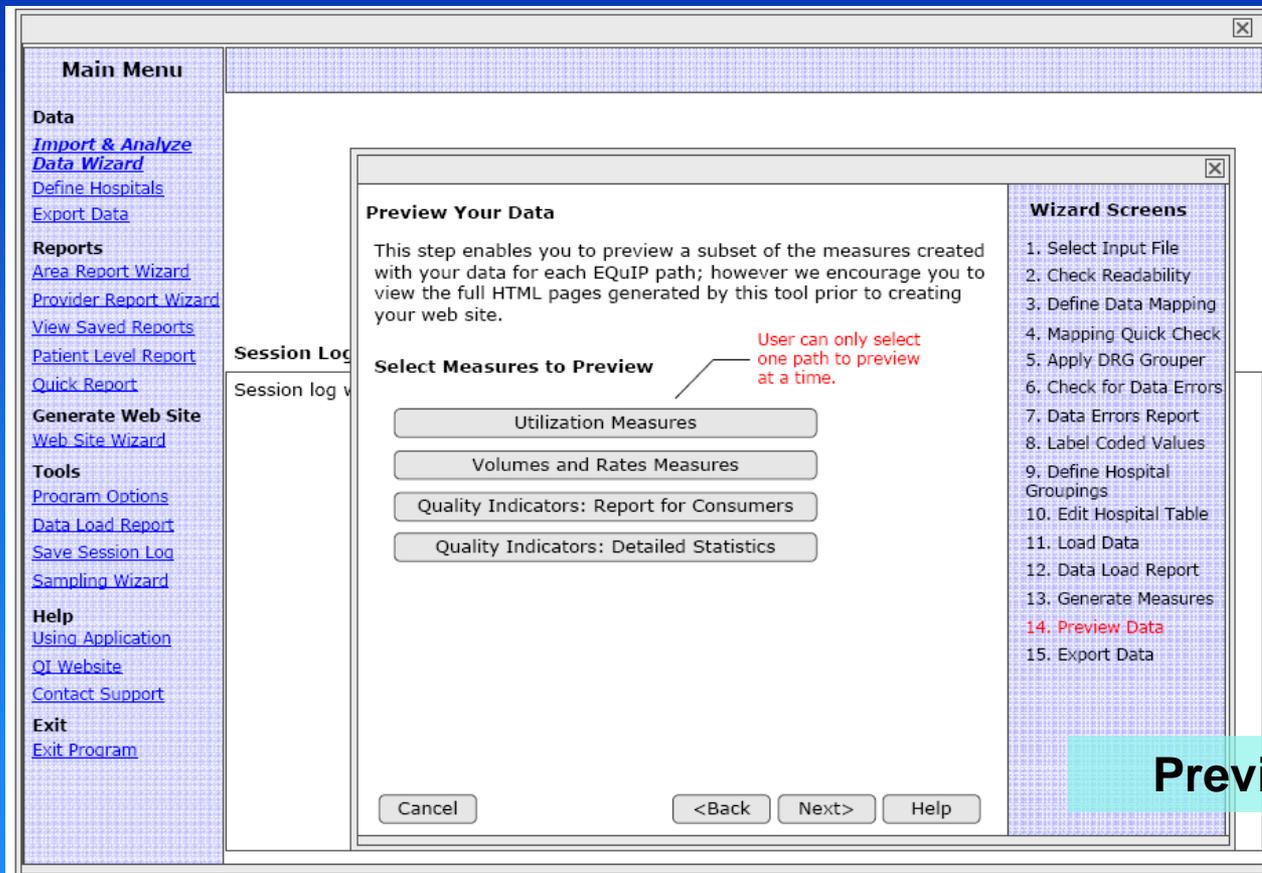
Measure Category	Status	Time Elapsed	Progress Indicator
<input type="checkbox"/> Utilization Measures	Done	15 minutes	[Full Green Bar]
<input checked="" type="checkbox"/> Volumes and Rates Measures	Running	7 minutes	[Partial Green Bar]
<input type="checkbox"/> Quality Indicators	Not Started	0	[Empty Bar]

At the bottom of the wizard are buttons for 'Cancel', '<Back', 'Next>', and 'Help'. On the right side of the wizard is a 'Wizard Screens' list:

1. Select Input File
2. Check Readability
3. Define Data Mapping
4. Mapping Quick Check
5. Apply DRG Grouper
6. Check for Data Errors
7. Data Errors Report
8. Label Coded Values
9. Define Hospital Groupings
10. Edit Hospital Table
11. Load Data
12. Data Load Report
13. **Generate Measures**
14. Preview Data
15. Export Data

Generating measures
that will be displayed in
website.

Web Builder



Main Menu

- Data**
 - [Import & Analyze Data Wizard](#)
 - [Define Hospitals](#)
 - [Export Data](#)
- Reports**
 - [Area Report Wizard](#)
 - [Provider Report Wizard](#)
 - [View Saved Reports](#)
 - [Patient Level Report](#)
 - [Quick Report](#)
- Generate Web Site**
 - [Web Site Wizard](#)
- Tools**
 - [Program Options](#)
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 - [Save Session Log](#)
 - [Sampling Wizard](#)
- Help**
 - [Using Application](#)
 - [QI Website](#)
 - [Contact Support](#)
- Exit**
 - [Exit Program](#)

Session Log
Session log v

Preview Your Data

This step enables you to preview a subset of the measures created with your data for each EQUIP path; however we encourage you to view the full HTML pages generated by this tool prior to creating your web site.

Select Measures to Preview

- Utilization Measures
- Volumes and Rates Measures
- Quality Indicators: Report for Consumers
- Quality Indicators: Detailed Statistics

User can only select one path to preview at a time.

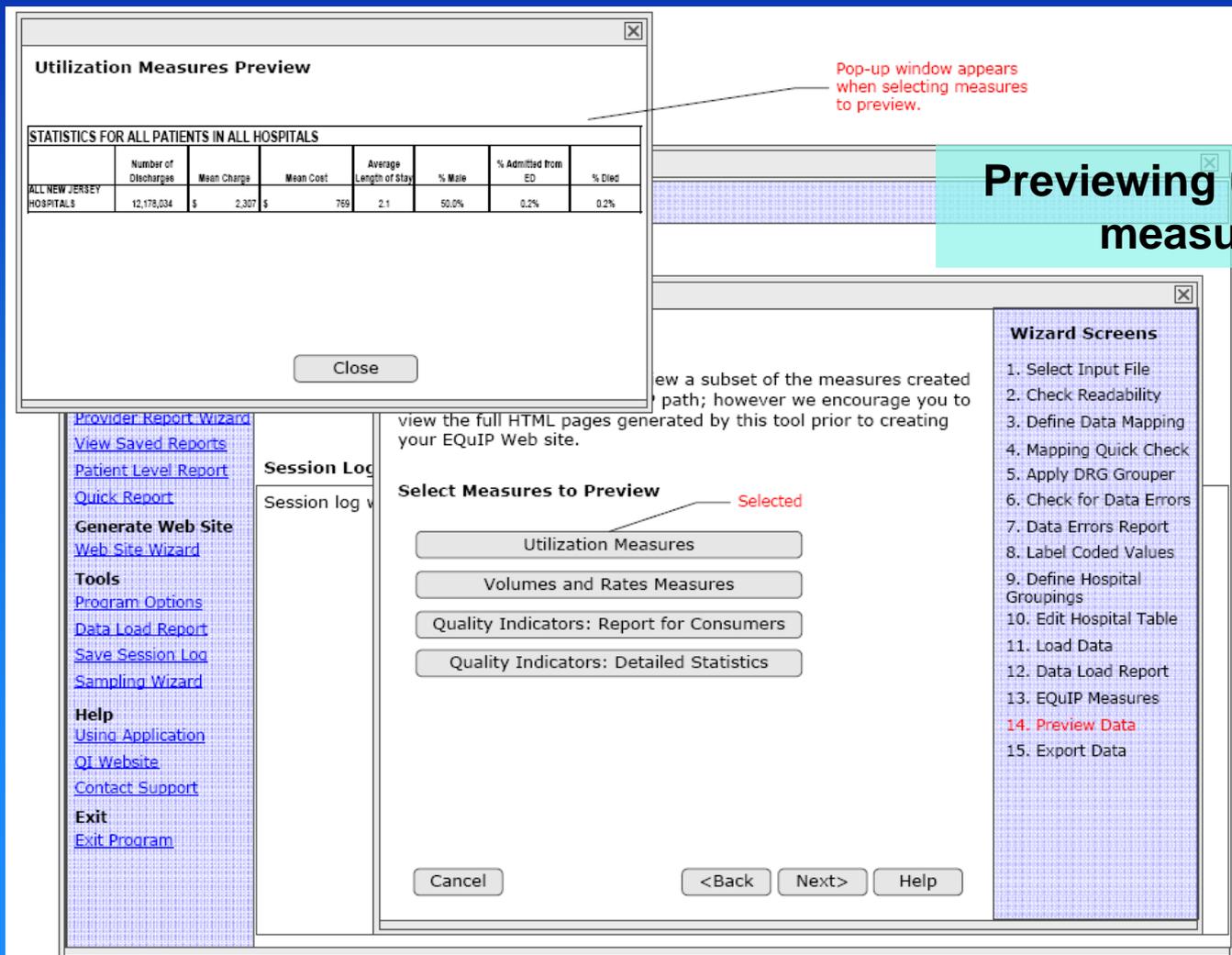
Wizard Screens

1. Select Input File
2. Check Readability
3. Define Data Mapping
4. Mapping Quick Check
5. Apply DRG Grouper
6. Check for Data Errors
7. Data Errors Report
8. Label Coded Values
9. Define Hospital Groupings
10. Edit Hospital Table
11. Load Data
12. Data Load Report
13. Generate Measures
14. **Preview Data**
15. Export Data

Cancel <Back Next> Help

Preview your data.

Web Builder



Utilization Measures Preview

STATISTICS FOR ALL PATIENTS IN ALL HOSPITALS

	Number of Discharges	Mean Charge	Mean Cost	Average Length of Stay	% Male	% Admitted from ED	% Died
ALL NEW JERSEY HOSPITALS	12,178,034	\$ 2,307	\$ 769	2.1	50.0%	0.2%	0.2%

Close

Pop-up window appears when selecting measures to preview.

Previewing utilization measures.

view a subset of the measures created path; however we encourage you to view the full HTML pages generated by this tool prior to creating your EQUiP Web site.

Select Measures to Preview

Utilization Measures Selected

Volumes and Rates Measures

Quality Indicators: Report for Consumers

Quality Indicators: Detailed Statistics

Cancel <Back Next> Help

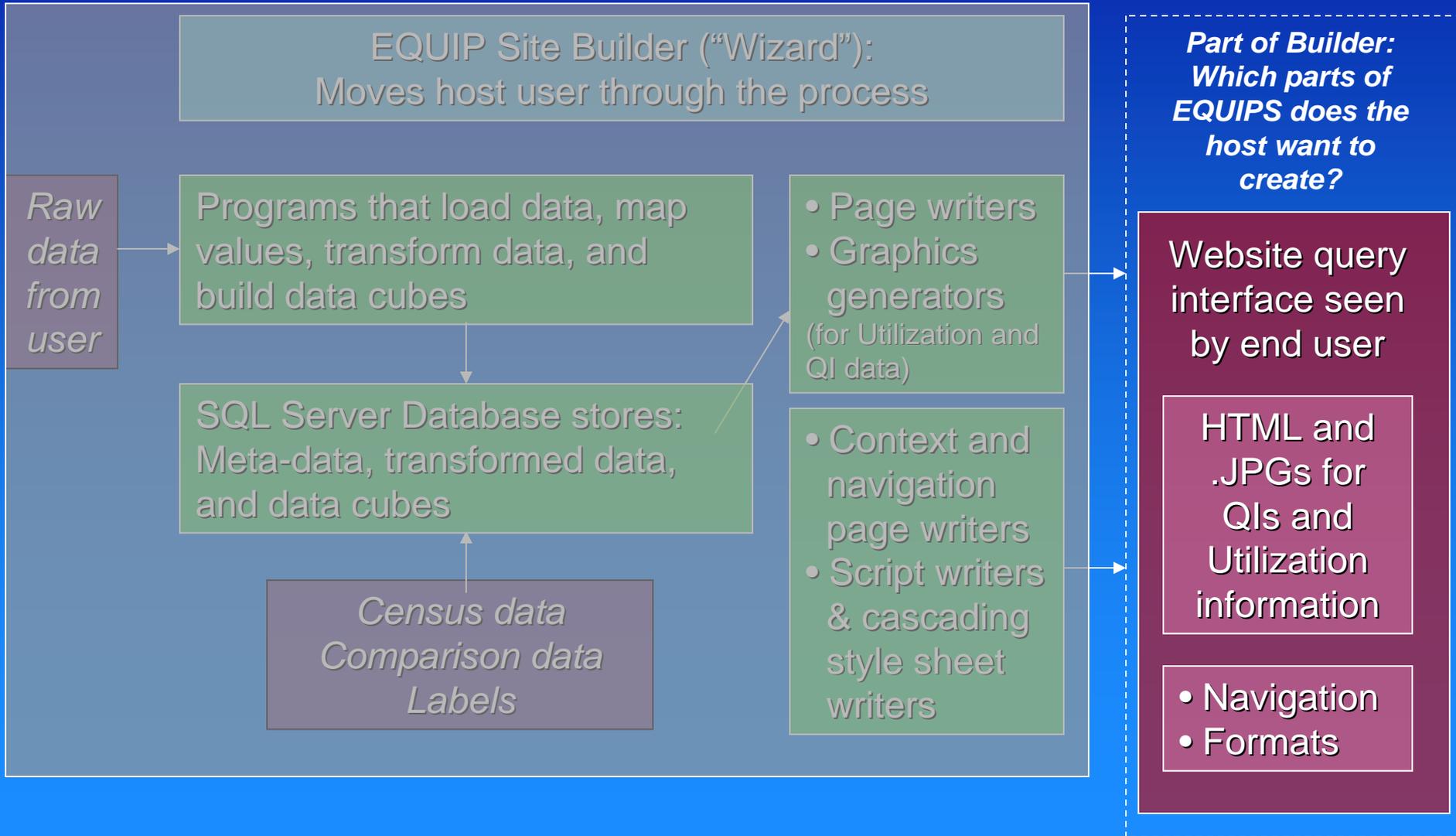
Wizard Screens

1. Select Input File
2. Check Readability
3. Define Data Mapping
4. Mapping Quick Check
5. Apply DRG Grouping
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9. Define Hospital Groupings
10. Edit Hospital Table
11. Load Data
12. Data Load Report
13. EQUiP Measures
14. Preview Data
15. Export Data

Provider Report Wizard
View Saved Reports
Patient Level Report
Quick Report
Generate Web Site
Web Site Wizard
Tools
Program Options
Data Load Report
Save Session Log
Sampling Wizard
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Exit Program

Session Log
Session log v

End User Website Interface



A Peek at EQUIPS – A Working Draft What the End User Sees



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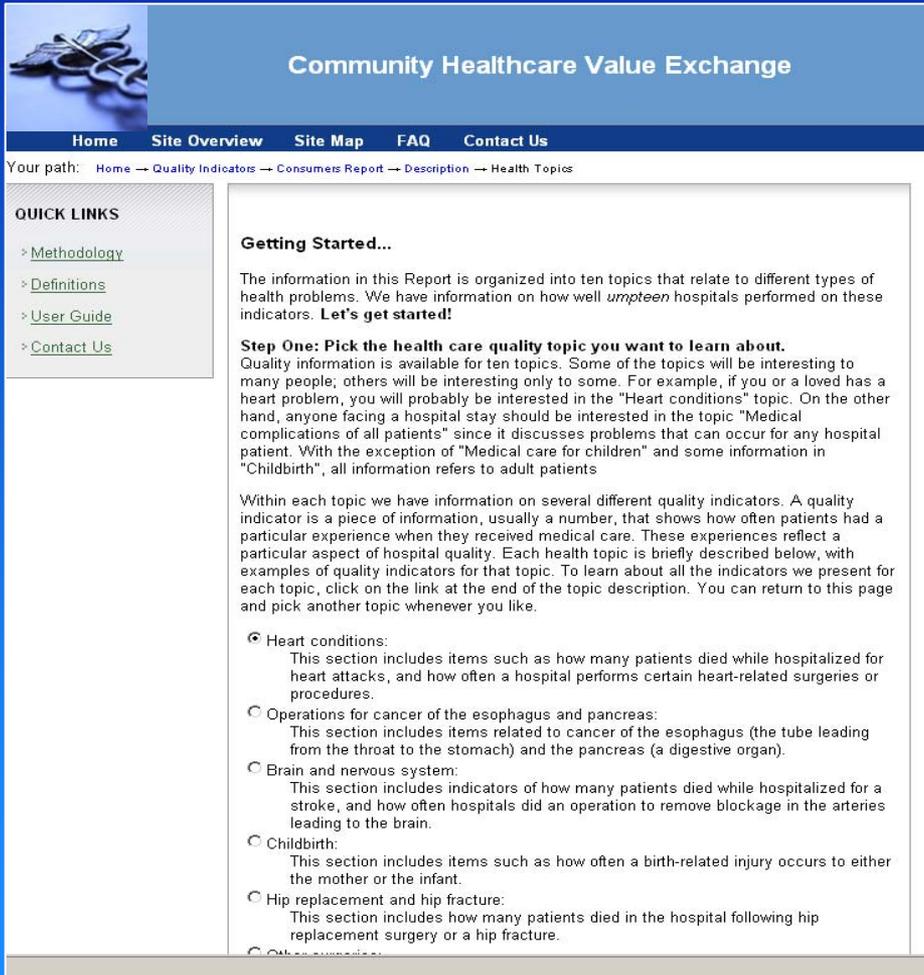
Select your path:

QUALITY INDICATORS

AVOIDABLE HOSPITALIZATIONS

RATES

UTILIZATION



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Home Site Overview Site Map FAQ Contact Us

Your path: Home → Quality Indicators → Consumers Report → Description → Health Topics

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Getting Started...

The information in this Report is organized into ten topics that relate to different types of health problems. We have information on how well *umpteenth* hospitals performed on these indicators. **Let's get started!**

Step One: Pick the health care quality topic you want to learn about.
Quality information is available for ten topics. Some of the topics will be interesting to many people; others will be interesting only to some. For example, if you or a loved has a heart problem, you will probably be interested in the "Heart conditions" topic. On the other hand, anyone facing a hospital stay should be interested in the topic "Medical complications of all patients" since it discusses problems that can occur for any hospital patient. With the exception of "Medical care for children" and some information in "Childbirth", all information refers to adult patients

Within each topic we have information on several different quality indicators. A quality indicator is a piece of information, usually a number, that shows how often patients had a particular experience when they received medical care. These experiences reflect a particular aspect of hospital quality. Each health topic is briefly described below, with examples of quality indicators for that topic. To learn about all the indicators we present for each topic, click on the link at the end of the topic description. You can return to this page and pick another topic whenever you like.

- Heart conditions:
This section includes items such as how many patients died while hospitalized for heart attacks, and how often a hospital performs certain heart-related surgeries or procedures.
- Operations for cancer of the esophagus and pancreas:
This section includes items related to cancer of the esophagus (the tube leading from the throat to the stomach) and the pancreas (a digestive organ).
- Brain and nervous system:
This section includes indicators of how many patients died while hospitalized for a stroke, and how often hospitals did an operation to remove blockage in the arteries leading to the brain.
- Childbirth:
This section includes items such as how often a birth-related injury occurs to either the mother or the infant.
- Hip replacement and hip fracture:
This section includes how many patients died in the hospital following hip replacement surgery or a hip fracture.
- Other surgeries:

Select one of ten quality health care topics:

1. Heart conditions
2. Brain and nervous system
3. Childbirth
4. Hip replacement and hip fracture
5. Operations for cancer of the esophagus and pancreas
6. Other surgeries
7. Other health conditions
8. Medical complications of patients having an operation
9. Medical complications of all patients
10. Medical care for children



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Your path: [Home](#) → [Quality Indicators](#) → [Consumers Report](#) → [Description](#) → [Health Topics](#) → [Indicators](#)

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Step 2: Quality of care for heart conditions

Information is available in the Report about five indicators of quality of care for heart conditions. Definitions of each of the indicators are provided below.

Please check the radio button next to the indicator you care about.

- All indicators**
- Death rate for heart attack patients**
Deaths in the hospital of patients who came in because they had a heart attack (which is called an acute myocardial infarction).
- Death rate for patients with congestive heart failure**
Deaths in the hospital of patients who came in because they had heart failure (which is called congestive heart failure).
- Death rate for patient having a coronary artery bypass graft (CABG)**
Deaths in the hospital following an operation (called a coronary artery bypass graft, or CABG), which is designed to provide a way around clogged arteries in the heart.
- Death rate for patient having a percutaneous transluminal coronary angioplasty (PTCA)**
Deaths in the hospital following a procedure (called a percutaneous transluminal coronary angioplasty, or PTCA) in which clogged arteries of the heart are opened up, and then kept open using wire mesh tubes or "stents".
- Rate of cardiac catheterization procedures on both sides of the heart**
Many patients undergo a "cardiac catheterization" to learn how well the heart is working. Usually, this is done by putting tubes in the arteries on one side of the heart. This indicator shows how many patients getting this procedure have tubes put into the arteries on both sides of the heart (called a bi-lateral cardiac catheterization), which experts believe puts them at greater risk for complications.

Additional information: Number of operations

Information is also available about the number of times coronary artery bypass grafts (CABG) and percutaneous transluminal coronary angioplasties (PTCA) were done at

Select all indicators within a topic
or specific indicators

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Your path: [Home](#) → [Quality Indicators](#) → [Consumers Report](#) → [Description](#) → [Health Topics](#) → [Indicators](#) → [Hospitals](#)

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Step 3: Choose hospitals to compare

Choose a region

Select up to four individual hospitals within the region

<input type="checkbox"/>	Medical Center
<input type="checkbox"/>	Med Center
<input type="checkbox"/>	Medical Center
<input type="checkbox"/>	Medical Center
<input type="checkbox"/>	Hospital
<input type="checkbox"/>	Hospital

<< Previous

View Data Now

[Download detailed data in Microsoft Excel Format](#)

Select a specific hospital or up to four hospitals in an area

Allows easy access to the data through “view data now” feature

Allows download to Microsoft Excel of summary tables

Equip Website Demo
Hospital Quality Indicators



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Compare hospital scores

When you are choosing a hospital, you should look for the hospital that does **Better than Average** on the topics that are most important to you, or on as many items as possible. Click on the indicator names to see detailed results on how each hospital performed.

Death rate is the percent of patients who were treated for a particular illness or had a particular procedure who died while in each hospital during 2006.

Rate is the percent of patients having a particular procedure who had it done in one way rather than another.

A hospital's score is calculated in comparison to the average of hospitals across the state.

- Average is about the same as the average of hospitals across the state.
- Better than average is better than the average of hospitals across the state.
- Worse than average is worse than the average of hospitals across the state.

Quality indicator for chosen hospitals

Quality of care for heart conditions	System	Hospital -	Med Center	Memorial Hospitals -
CABG mortality rate	Average	Insufficient Data	Worse Than Average	Insufficient Data
Acute myocardial infarction (AMI) mortality rate	Worse Than Average	Average	Worse Than Average	Better Than Average
Congestive heart failure (CHF) mortality rate	Worse Than Average	Average	Worse Than Average	Worse Than Average
Bilateral cardiac catheterization rate	Better Than Average	Better Than Average	Better Than Average	Average
PTCA mortality rate	Worse Than Average	Insufficient Data	Worse Than Average	Insufficient Data

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**Click on any indicator and
get detailed information
in graphic form.**

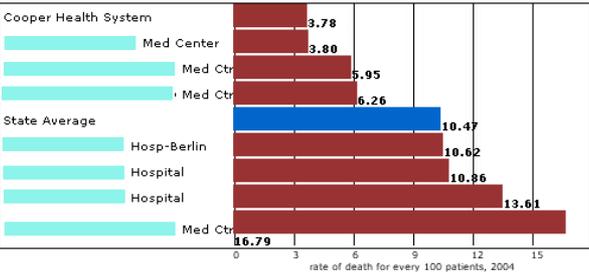
Web Demo Hospital Quality Indicator Charts

Death Rate for Heart Attack Patients

This graph shows you the percent of patients admitted to each hospital after having a heart attack, who died during their hospital stay. This information is for patients admitted during 2004

When you are choosing a hospital, you should look for the hospital that has a lower number of deaths. A **lower** number is shown by a **shorter** bar on the graph below.

Death Rate for Heart Attack Patients



Entity	Rate of death for every 100 patients, 2004
Cooper Health System	3.78
Med Center	3.80
Med Ctr	5.95
Med Ctr	6.26
State Average	10.47
Hosp-Berlin	10.62
Hospital	10.86
Hospital	13.61
Med Ctr	16.79

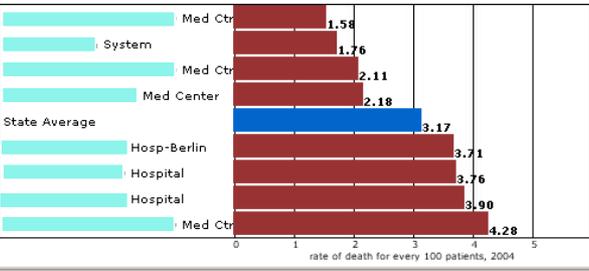
State Average:The average rate of deaths of patients who came in after having a heart attack in hospitals across your state. This number is included so you have:

- a better idea of what is typical for your state.
- basis for comparing individual hospitals performance.

Death Rate of Patients with Congestive Heart Failure

This graph shows you the percent of patients who were admitted to a hospital because they had heart failure, who died during their hospital stay. This information is for patients admitted during 2004

Death Rate of Patients with Congestive Heart Failure



Entity	Rate of death for every 100 patients, 2004
Med Ctr	1.58
System	1.76
Med Ctr	2.11
Med Center	2.18
State Average	3.17
Hosp-Berlin	3.71
Hospital	3.76
Hospital	3.90
Med Ctr	4.28

Get details for each hospital in rank order, compared to the state average.

Potentially Avoidable Hospitalization Path


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View potentially avoidable hospitalizations for counties with estimates of cost savings.



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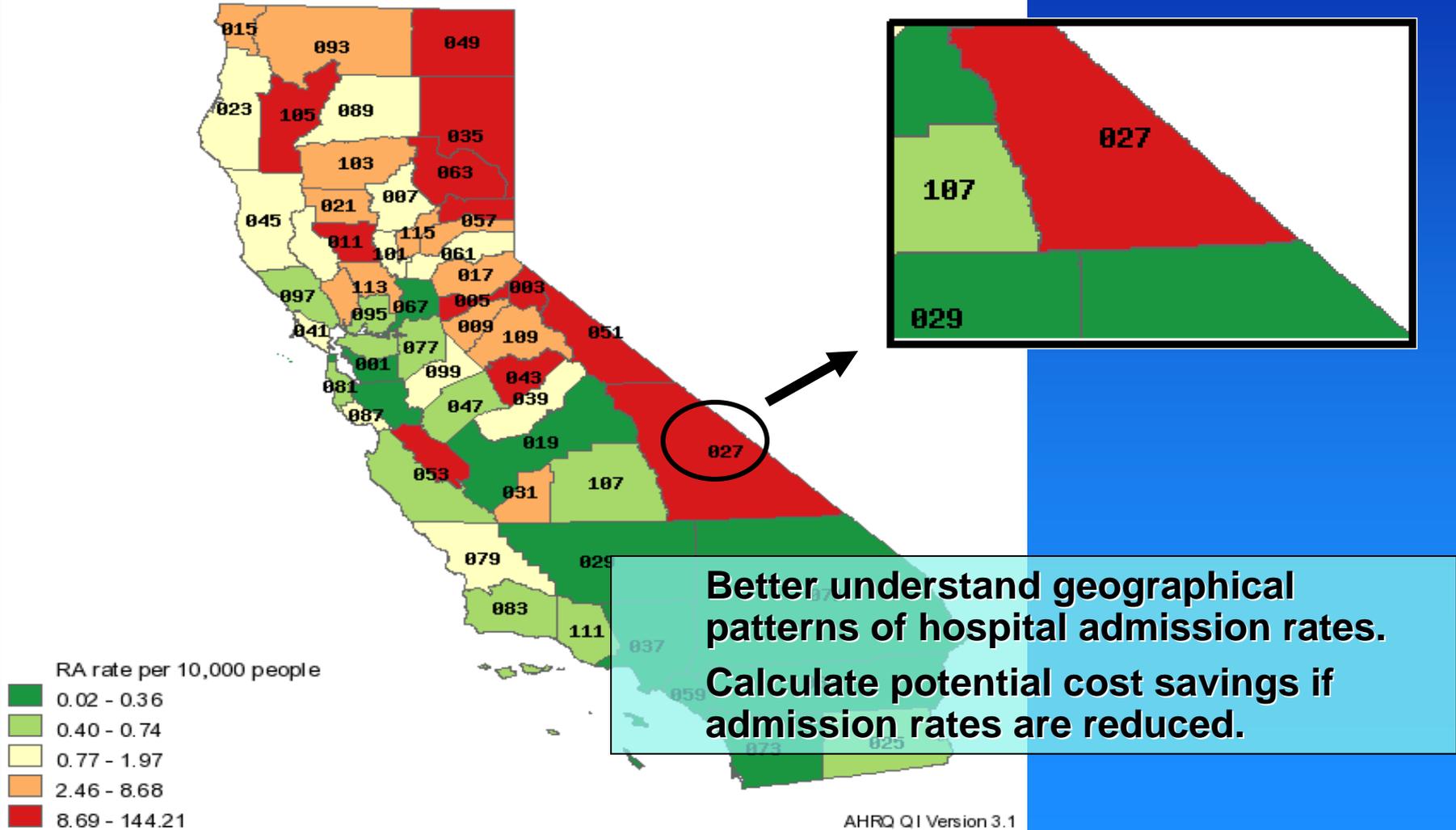
[Utilization Statistics for Health Conditions and Procedures](#)

View information about number of discharges, charges, costs, length of hospitalization and percent of patents who died in specific hospitals, hospitals in geographic regions, or all hospitals in *Your State*. You can select patients by medical condition or treatment procedure.

Potentially Avoidable Hospitalizations – based on AHRQ’s Prevention Quality Indicators (PQIs – ambulatory care sensitive conditions)

Preventable Hospitalization Costs Mapping Tool

Uncontrolled Diabetes Admission (2001, PQI14)



Estimates of Potential Cost Savings

Potential cost savings if number of admissions were reduced by specified percentage

Microsoft Excel - pq_cost_2002.xls

File Edit View Insert Format Tools Data Window Help Adobe PDF

MS Sans Serif 10

QI Name

Chronic Obstructive Pulmonary Disease (PQI 5)

Cost Savings Given Reduction of Cases by

County	Name	Mean Cost	Total Cases	Total Cost	10%	20%	30%	40%	50%
26001	Alcona	6,373.43	13	82,854.59	8,285.46	16,570.92	24,856.38	33,141.84	41,427.29
26003	Alger	4,200.81	9	37,807.29	3,780.73	7,561.46	11,342.19	15,122.92	18,903.64
26005	Allegan	4,729.93	111	525,022.23	52,502.22	105,004.45	157,506.67	210,008.89	262,511.11
26007	Alpena	5,252.40	76	399,182.40	39,918.24	79,836.48	119,754.72	159,672.96	199,591.20
26009	Antrim	5,117.96	24	122,831.04	12,283.10	24,566.21	36,849.31	49,132.42	61,415.52
26011	Arenac	5,002.26	7	35,015.82	3,501.58	7,003.16	10,504.75	14,006.33	17,507.91
26013	Baraga	3,646.28	21	76,571.88	7,657.19	15,314.38	22,971.56	30,628.75	38,285.94
26015	Barry	5,179.23	93	481,668.39	48,166.84	96,333.68	144,500.52	192,667.36	240,834.19
26017	Benzie	5,727.56	305	1,746,905.80	174,690.58	349,381.16	524,071.74	698,762.32	873,452.90
26019	Benzie	6,230.77	25	155,769.25	15,576.92	31,153.85	46,730.77	62,307.70	77,884.62
26021	Berrien	5,179.23	140	725,092.20	72,509.22	145,018.44	217,527.66	290,036.88	362,546.10

County name, mean cost of admission for indicator, number of cases, and total cost

Rates of Conditions and Procedures Path



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View information about number of discharges, charges, costs, length of hospitalization and percent of patients who died in specific hospitals, hospitals in geographic regions, or all hospitals in *Your State*. You can select patients by medical condition or treatment procedure.

Rates of health conditions and procedures – use county populations as the denominator in prevalence rates

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Rates of Conditions and Procedures Path



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Your path: [Home](#) → [Rates and Volumes](#) → [Medical Diagnosis or Procedure](#)

QUICK LINKS

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How do you want patients grouped?

View information for all patients combined, or by Clinical Classification System (CCS) principal diagnosis or procedure? You may view information summarized across counties from this page, or proceed to select specific counties. See [Definitions](#) for an explanation of terms used.

- View Information by All Patients Combined
- View Information by CCS Principal Diagnosis

- Personality disorders
- Schizophrenia and other psychotic disorders
- Alcohol-related disorders
- Substance-related disorders**
- Suicide and intentional self-inflicted injury
- Screening and history of mental health and substance abuse codes
- Miscellaneous disorders'
- Meningitis (except that caused by tuberculosis or STD)
- Encephalitis (except that caused by tuberculosis or STD)

- View Information by CCS Procedure

- All Procedures-
- Incision and excision of CNS
- Insertion; replacement; or removal of extracranial ventricular shunt
- Laminectomy; excision intervertebral disc
- Diagnostic spinal tap
- Insertion of catheter or spinal stimulator and injection into spinal canal
- Decompression peripheral nerve
- Other diagnostic nervous system procedures
- Other non-OR or closed therapeutic nervous system procedures

[<< Previous](#) [View Data Now](#) [Next >>](#)

View Data in New Browser Window/Tab

[Download detailed data in Microsoft Excel Format](#)

Choose among diagnoses and procedures, grouped by CCS categories

Rates of Conditions and Procedures Path



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Your path: [Home](#) → [Rates and Volumes](#) → [Medical Diagnosis or Procedure : CCS DX 881](#) → [Hospital or County](#)

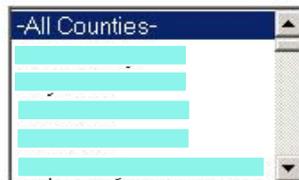
QUICK LINKS

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- › [Contact Us](#)

Choose a geographic region.

View information for all counties combined or by county. If you chose a specific condition or procedure, you may choose to view a summary across all counties, otherwise you will view a detail report broken down by patient demographics. See [Definitions](#) for an explanation of terms used.

- View Information for All Counties Combined
- View Information by County



[<< Previous](#) [View Data Now](#)

View Data in New Browser Window/Tab

[Download detailed data in Microsoft Excel Format](#)

**Choose specific counties or
examine all counties**

Rates of Conditions and Procedures Path



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STATISTICS BY COUNTY FOR 661 SUBSTANCE-RELATED DISORDERS (DXCCS 661): 2006

Hospital County	Number of discharges (all-listed)	Number of discharges (principal)	Rate of discharges (per 1,000 persons)
NATIONAL DATA*	1,521,430 (64,385)	250,567 (31,780)	0.8
NORTHEAST U.S.*	411,765 (39,472)	113,087 (27,920)	2.1
ALL COUNTIES	43,021	8,176	0.9
	1,871	244	0.9
	1,497	299	0.3
	1,790	278	0.6
	3,798	838	1.6
	526	64	0.7
	846	117	0.8
	8,790	1,475	1.9
	1,118	206	0.7
	3,544	943	1.6
	263	44	0.3
	2,434	211	0.6
	1,930	331	0.4
	3,142	414	0.7
	1,706	613	1.2
	2,573	376	0.7
	2,796	720	1.4
	329	55	0.8
	1,018	186	0.6
	517	170	1.1
	2,125	468	0.9
	408	124	1.1
Missing County	853	149	*

**For all counties in the state:
numbers of discharges and rate per 1,000 population**

Will include a mapping function

Utilization Path



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Welcome to *Your State's* Healthcare Efficiency and Quality Improvement Center.

Create custom reports to help you make decisions about health care.

This website provides information on hospitals in *Your State* for patients, policymakers, and other users of health care information. Choose from the information options below.

[Quality Indicators for Hospitals and Geographic Areas](#)

View measures of quality for hospitals in **either** a report for consumers that allows you to compare hospitals in a prescribed format for public reporting, **or** a report of detailed statistics.

[View Maps Showing Potentially Avoidable Hospitalizations](#)

View potentially avoidable hospitalizations for counties with estimates of cost savings.

[Rates of Health Conditions and Procedures](#)

View statistics on prevalence of disease and medical procedures for counties. You may view the information broken down clinical diagnosis or procedure.

[Utilization Statistics for Health Conditions and Procedures](#)

View information about number of discharges, charges, costs, length of hospitalization and percent of patients who died in specific hospitals, hospitals in geographic regions, or all hospitals in *Your State*. You can select patients by medical condition or treatment procedure.

**Utilization statistics
(like information
from HCUPnet)**

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Utilization Path



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Your path: [Home](#) → [Utilization](#)

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How do you want patients grouped?

Select **MDC/DRG** or **CCS** category systems to proceed to a screen for selecting specific conditions or treatments before proceeding to the region/hospital selection screen. Select **All Patients Combined** to proceed directly to the region/hospital selection screen. View summary information for any choice by clicking the **View Data Now** button. See [Definitions](#) for an explanation of terms used.

Report by All Patients Combined

Click on the View Data Now button to see a summary report of all patients in each hospital in this database. Click on the Next button to select a specific region or hospital for detailed reporting.

Report by the Major Diagnostic Category (MDC) / Diagnosis Related Group (DRG)

Click on the View Data Now button to see a report of all patients in this database broken down by MDC. Click on the Next button to select a specific MDC or DRG for detailed reporting.

Report by the Clinical Classification System (CCS)

Click on the View Data Now button to see a report of all patients in this database broken down by CCS Diagnosis. Click on the Next button to select a specific CCS Diagnosis or Procedure for detailed reporting.

[<< Previous](#) [View Data Now](#) [Next >>](#)

View Data in New Browser Window/Tab

[Download a Utilization Summary for All Hospitals in Microsoft Excel Format](#)

Select:
MDCs
(body system or etiology)
DRGs
(dx and pr combined)
CCS diagnoses
(groups of ICD-9-CM codes)
CCS procedures
(groups of ICD-9-CM codes)

Utilization Path



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Choose MDC or DRG categories.

View summary reports for **All** MDCs or DRGs, or detailed reports for specific MDCs or DRGs with patient statistics broken down by demographics. **View Data Now** summarizes across all hospitals; **Next** proceeds to select specific hospitals or regions. See [Definitions](#) for an explanation of terms used.

View Information by Major Diagnostic Category (MDC)

- All MDCs-
- Diseases & Disorders Of The Nervous System
- Diseases & Disorders Of The Eye
- Diseases & Disorders Of The Ear, Nose, Mouth & Throat
- Diseases & Disorders Of The Respiratory System
- Diseases & Disorders Of The Circulatory System
- Diseases & Disorders Of The Digestive System
- Diseases & Disorders Of The Hepatobiliary System & Pancreas
- Diseases & Disorders Of The Musculoskeletal System & Connective Tissue

View Information by Diagnosis Related Group (DRG)

- 363 D&C, conization & radio-implant for malignancy
- 364 D&C, conization except for malignancy
- 365 Other female reproductive system O.R. procedures
- 366 Malignancy, female reproductive system w/ CC
- 367 Malignancy, female reproductive system w/o CC
- 368 Infections, female reproductive system
- 369 Menstrual & other female reproductive system disorders
- 370 Cesarean section w/ CC
- 371 Cesarean section w/o CC
- 372 Vaginal delivery w/ complicating diagnoses

[<< Previous](#) [View Data Now](#) [Next >>](#)

[View Data in New Browser Window/Tab](#)

[Download detailed data in Microsoft Excel Format](#)

Select a specific DRG



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Your path: [Home](#) → [Utilization](#) → [Medical Condition DRG 371](#) → [Hospital or Region](#)

QUICK LINKS

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How do you want hospitals grouped?

View information for all hospitals combined, for a specific hospital, or for a region. If you chose a specific condition or procedure, you may choose to view a summary across all hospitals or all regions, otherwise you will view a detail report broken down by patient demographics. See [Definitions](#) for an explanation of terms used.

View Information for All Hospitals Combined
 View Information by Hospital

-All Hospitals-

Center

enter

View Information by Hospital Service Area

-All Hospital Service Areas-

View Data in New Browser Window/Tab
[Download detailed data in Microsoft Excel Format](#)

Select specific
hospitals or examine
all hospitals in
Hospital Service
Areas.

Utilization Path



Tri-County Healthcare Value Exchange

STATISTICS FOR [REDACTED] MEDICAL CENTER FOR CESAREAN SECTION W/O CC
(DRG 371): NEW JERSEY, 2000

	Number of discharges	Mean charges in dollars	Mean costs in dollars	Mean length of stay in days	Percent Died
Total	1,724	\$30,142	\$8,735	\$4.2	0.0%
Age group					
<18	*	*	*	*	*
18-44	1,711	\$30,128	\$8,731	\$4.2	0.0%
45-64	*	*	*	*	*
Gender					
Female	1,724	\$30,142	\$8,735	\$4.2	0.0%
Payer					
Medicare	*	*	*	*	*
Medicaid	73	\$31,743	\$9,199	\$4.4	0.0%
Private including HMO	1,561	\$30,068	\$8,714	\$4.2	0.0%
Self-pay	87	\$30,077	\$8,716	\$4.1	0.0%
Other	*	*	*	*	*
Race					
White	852	\$29,301	\$8,492	\$4.1	0.0%
Black	119	\$33,693	\$9,764	\$4.8	0.0%
Hispanic	340	\$29,525	\$8,556	\$4.1	0.0%
Asian or Pacific Island	120	\$31,285	\$9,067	\$4.4	0.0%
Native American	30	\$34,844	\$10,098	\$4.9	0.0%
Other	107	\$28,884	\$8,371	\$4.0	0.0%
Missing	156	\$32,446	\$9,403	\$4.6	0.0%

Detailed patient characteristics for a specific DRG for one hospital.

Values based on 10 or fewer discharges are suppressed to protect confidentiality of patients and are designated with an asterisk (*).

Utilization Path



Tri-County Healthcare Value Exchange

STATISTICS BY HOSPITAL FOR 371 CESAREAN SECTION W/O CC (DRG 371):

2006

Hospital Name	Hospital County	Number of discharges	Mean charges in dollars	Mean costs in dollars	Mean length of stay in days	Percent Died
NATIONAL DATA*	--	1,012,445 (\$8,706)	\$13,194 (\$281)	\$4,544 (\$74)	\$3.3 (\$0.03)	*
NORTHEAST U.S.*	--	164,836 (12,075)	\$14,703 (\$1,123)	\$5,295 (\$297)	\$3.8 (\$0.05)	*
ALL HOSPITALS	--	31,255	\$23,173	\$6,044	\$3.8	0.0%
		*	*	*	*	*
	us	731	\$25,170	\$5,412	\$3.6	0.0%
		287	\$29,758	\$8,838	\$3.1	0.0%
		29	\$18,530	\$5,504	\$3.1	0.0%
		148	\$10,605	\$3,369	\$3.2	0.0%
		522	\$28,315	\$8,410	\$3.8	0.0%
		593	\$17,816	\$3,860	\$3.6	0.0%
		357	\$15,529	\$3,901	\$3.9	0.0%
		433	\$31,886	\$9,240	\$3.1	0.0%
		428	\$16,740	\$3,244	\$3.2	0.0%
		292	\$19,984	\$4,233	\$3.3	0.0%
		424	\$13,432	\$3,893	\$3.6	0.0%
		483	\$28,091	\$5,377	\$4.1	0.0%
		640	\$28,568	\$6,085	\$3.9	0.0%
		1,724	\$30,142	\$8,735	\$4.2	0.0%
		198	\$24,584	\$6,155	\$3.4	0.0%
		348	\$26,617	\$5,070	\$3.4	0.0%
		409	\$20,777	\$4,401	\$3.7	0.0%
		359	\$11,129	\$4,668	\$4.1	0.0%
		462	\$26,693	\$7,736	\$4.1	0.0%
		369	\$13,242	\$2,904	\$3.5	0.0%
		759	\$14,397	\$3,170	\$3.9	0.0%
		59	\$18,517	\$3,838	\$3.5	0.0%
		417	\$20,300	\$4,208	\$3.3	0.0%
		285	\$15,112	\$4,380	\$3.3	0.0%
		256	\$21,297	\$6,325	\$3.5	0.0%
		279	\$33,157	\$9,848	\$3.4	0.0%
		122	\$11,495	\$2,756	\$2.9	0.0%
		791	\$28,081	\$8,138	\$4.6	0.0%
		993	\$10,470	\$3,129	\$3.9	0.0%
		254	\$9,339	\$2,650	\$4.2	0.0%
		223	\$15,051	\$3,356	\$3.3	0.0%

Done

Information on numbers of discharges, charges, costs, length of stay, percent died for all hospitals individually.

National, regional, and state benchmarks included.

Utilization Path



Tri-County Healthcare Value Exchange

STATISTICS FOR [REDACTED] HOSPITALS FOR 371 CESAREAN SECTION W/O CC (DRG 371)

Hospital Name	Hospital County	Number of discharges	Mean charges in dollars	Mean costs in dollars	Mean length of stay in days	Percent Died
NATIONAL DATA*	--	1,012,445 (38,706)	\$13,194 (\$281)	\$4,544 (\$74)	\$3.3 (\$0.03)	*
NORTHEAST U.S.*	--	164,836 (12,075)	\$14,703 (\$1,123)	\$5,295 (\$297)	\$3.8 (\$0.05)	*
ALL NEW JERSEY HOSPITALS	--	31,255	\$23,173	\$6,044	\$3.8	0.0%
[REDACTED] HOSPITALS						
[REDACTED]	[REDACTED]	483	\$28,091	\$5,377	\$4.1	0.0%
[REDACTED]	[REDACTED]	59	\$18,517	\$3,838	\$3.5	0.0%
[REDACTED]	[REDACTED]	417	\$20,300	\$4,208	\$3.3	0.0%
[REDACTED]	[REDACTED]	258	\$24,340	\$7,054	\$3.6	0.0%
[REDACTED]	[REDACTED]	1,794	\$25,900	\$7,692	\$4.0	0.0%

Values based on 10 or fewer discharges are suppressed to protect confidentiality of patients and are designated with an asterisk (*).

Weighted national estimates from HCUP Nationwide Inpatient Sample (NIS), 2006, Agency for Healthcare Research and Quality (AHRQ), based on data collected by individual States and provided to AHRQ by the States. Total number of weighted discharges in the U.S. based on HCUP NIS = 39,450,216. Statistics based on estimates with a relative standard error (standard error / weighted estimate) greater than 0.30 or with standard error = 0 are not reliable. These statistics are suppressed and are designated with an asterisk (). The estimates of standard errors were calculated using SUDAAN software. These estimates may differ slightly if other software packages are used to calculate variances.

Hospitals grouped by Hospital Service Area (Dartmouth Atlas)

What makes *EQUIPS* unique?

EMPOWERS

organizations and consumers to use data to make informed decisions

Provides organizations with the ability to create/host their own website and upload their own data

Enables local organizations to do their own reporting using a standard, validated method

Allows users to draw together multiple data sources that provide information at the local level

WHEN: Timeline – 9 months from Concept to Product



**Incremental build throughout Summer and Fall
using an iterative rapid application
development methodology**

**TARGET COMPLETION DATE OF PHASE 1:
JANUARY 30, 2009**

Challenges

- Aggressive timeline
- Variety of users will want to use the system
 - Different system capabilities
 - Different resource availability
 - System needs to have minimum requirements
 - Need to keep the cost of implementation low
- Limited nature of static model versus dynamic model

Phase 1 versus Subsequent Phases

EQUIPS is an **evolving tool** – the current version is a prototype

Phase 1

- 3 Paths
 - Utilization
 - Rates
 - Quality
- Mapping capability
- National and regional benchmarks
- Static design

Subsequent Phases

- Additional Paths
 - Hospital Compare
 - HCAHPS
- Evaluate other data sources
- Provide links to other resources
- Dynamic design
 - Consider adding other federal data sources
- *Many more ideas...soliciting user suggestions*

Questions?
Comments?
Suggestions?

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