

FROM NUMBERS
TO KNOWLEDGE



Ninth National Pay for Performance Summit

- **MONAHRQ — Creating an “Instant” Public Reporting Website**

Michael T. Lundberg, Executive Director

March 25, 2014



VHI Represents Virginia Health Care Stakeholders



- ▶ VHI is an independent, nonprofit, 501(c)(3) health information organization established in 1993
- ▶ Formed to administer Virginia Health Care Data Reporting Initiatives to benefit Virginians



11-425-018-1

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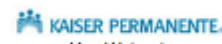
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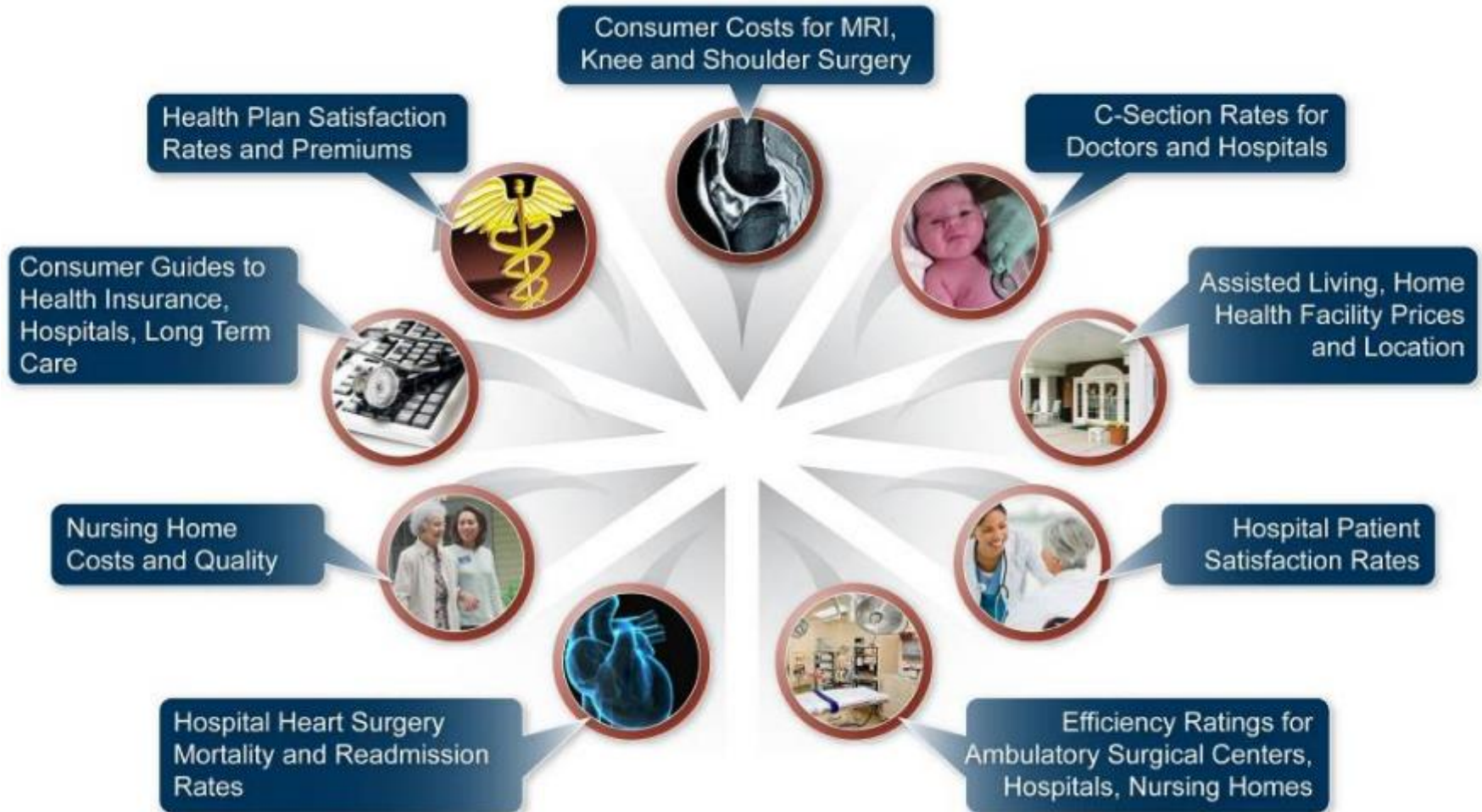
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VHI Publishes Business and Consumer Guides, Reports and Information at www.vhi.org



11-426-001-1



- **Hospital Discharge Data:** 870,000 discharges per year from 90+ hospitals – reports and databases
- **Psychiatric Bed Registry:** Under contract to Department of Behavioral Health and Developmental Services. Tool for helping to find available psychiatric beds
- **EPICS:** financial and operational information from 370+ ambulatory surgical centers, hospitals and nursing homes
- **Certificate of Need:** Annual Licensure and Survey Data
- **Outpatient Surgical Data:** for 7 procedure groups from ambulatory surgery centers, hospitals and physicians
- **HMO HEDIS/CAHPS/ State Corporation Commission – Quality, PMPM, utilization, for consumers**
- **Long-term care:** adult day care, assisted living, CCRCs, home care and nursing facilities
- **Health Care Pricing Transparency Information:** from Virginia Health Insurance Companies
- **Anthem Quality-In-Sights® Program:** VHI is a Virginia Patient Safety Organization and provides Web tools and medical review of hospital quality performance – 14 states
- **Virginia's All Payer Claims Database** - currently implementing



Builds Upon Historical use of AHRQ Quality Indicators for Public Health using:

- **Prevention Quality Indicators**
- **Area-wide Patient Safety Indicators**
- **Area-wide Inpatient Quality Indicators**
- **Area-Wide Pediatric Quality Indicators**

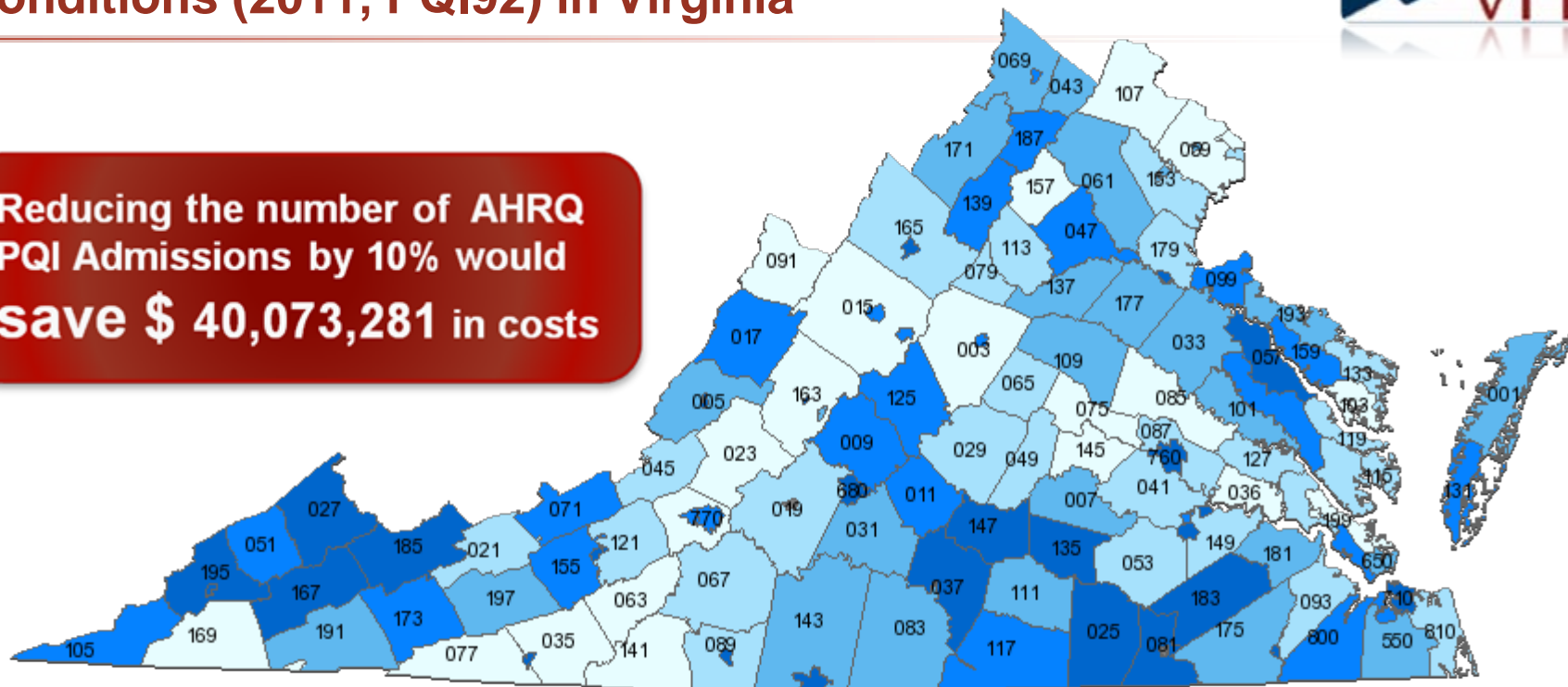
MONAHRQ Makes Presenting these Data Useful and Meaningful

The screenshot displays the Virginia Health Information website interface. At the top, there is a navigation bar with links for 'ABOUT US', 'MEDIA ROOM', 'CONTACT US', 'SITE MAP', and 'RESEARCHERS AND PROFESSIONALS'. The main header features the VHI logo and the tagline 'FROM NUMBERS TO KNOWLEDGE'. Below the header, there is a search bar and a navigation menu with options like 'HOME', 'HEALTH INSURANCE', 'HOSPITALS', 'LONG TERM CARE', and 'PHYSICIANS'. The main content area is titled 'MONAHRQ Health Care' and includes a sub-navigation bar with 'Home', 'Hospital Utilization', 'Maps of Avoidable Stays', 'County Rates', and 'Resources'. Three data product cards are visible: 'Hospital Utilization' (with a hospital image and text: 'Find and compare hospitals by the number of patients they treat for different medical conditions and procedures.'), 'Maps of Avoidable Hospital Stays' (with a photo of two healthcare workers and text: 'Map and compare counties by rates of potentially avoidable hospital stays. Compare cost savings from reducing avoidable stays.'), and 'County Rates of Hospital Use' (with a photo of a man and a woman looking at a map and text: 'Map and compare counties by rates of inpatient medical conditions and procedures.'). The footer includes the MONAHRQ logo, 'Version 4.0.1', and '2011 Data in Virginia'.

Prevention Quality Indicator Composite - Chronic Conditions (2011, PQI92) in Virginia

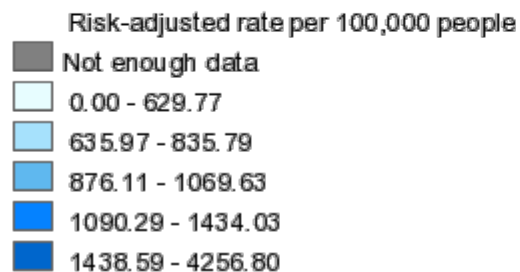


Reducing the number of AHRQ PQI Admissions by 10% would save \$ 40,073,281 in costs



The Statewide rate was 835 admissions per 100,000

Risk Adjusted Rates by City/County: 270-4,930



MONAHRQ Quality Indicators or VHI's?



FROM NUMBERS TO KNOWLEDGE

ABOUT US | MEDIA ROOM | CONTACT US | SITE MAP | DATA

Virginia Health Information

FROM NUMBERS TO KNOWLEDGE

HOME | HEALTH INSURANCE | HOSPITALS | LONG TERM CARE | PHYSICIANS

Google Custom Search

- CARDIAC CARE
- COMPARE HOSPITALS
- STATEWIDE SUMMARIES
- TYPES OF CARDIAC CARE & METHODOLOGY
- PHYSICIANS
- PREVENT READMISSIONS
- HEART ATTACK WARNING SIGNS
- PREVENT HEART DISEASE
- OUTSIDE SOURCES

- AMERICAN HEART ASSOCIATION
- MILLION HEARTS™
- NATIONAL HEART, LUNG & BLOOD INSTITUTE

Is this information helpful?

Yes

No

Home > Virginia Hospitals > Cardiac Introduction > Compare Hospitals > Cardiac Report Results

Virginia Cardiac Reports -2010

(All Virginia)

Service Line(s) selected: CABG

2010 2009 2008 2007 2006

Click here for printer friendly view

Show Key Show Detail View Definitions

Click any column to sort

CABG

Hospital Name (click on hospital name for hospital details)	Total Cases	Mortality Rating	Readmission Rating
Sentara Norfolk General Hospital	617	♥♥♥	♥♥♥
Inova Fairfax Hospital	494	♥♥♥	♥♥♥
Carilion Medical Center	439	♥	♥♥♥
GW Medical Center	320	♥♥♥	♥♥♥
University of Virginia Medical Center	279	♥♥♥	♥♥♥
Centra Health	229	♥♥♥	♥♥♥
Winchester Medical Center	224	♥♥♥	♥♥♥
Henrico Doctors' Hospital	210	♥♥♥	♥♥♥
Mary Washington Hospital	197	♥	♥♥♥
VCU Health System	184	♥♥♥	♥♥♥
LewisGale Medical Center	182	♥♥♥	♥♥♥
Bon Secours St. Mary's Hospital	162	♥♥♥	♥♥♥
Bon Secours Memorial Regional Medical Center	143	♥♥♥	♥♥♥
Roanoke Regional Medical Center	141	♥♥♥	♥♥♥
Virginia Hospital Center	97	♥♥♥	♥♥♥
Bon Secours Manassas Medical Center	92	♥♥♥	♥♥♥
Sentara Virginia Beach General Hospital	87	♥♥♥	♥♥♥
Inova Alexandria Hospital	83	♥♥♥	♥♥♥
Rockingham Memorial Hospital	68	♥♥♥	♥
Dorset Regional Medical Center	40	♥♥♥	♥♥♥

Virginia Health Information

FROM NUMBERS TO KNOWLEDGE

HOME | HEALTH INSURANCE | HOSPITALS | LONG TERM CARE | PHYSICIANS

Google Custom Search

Home > Obstetrics Introduction > Compare Physicians > Obstetric Report Results

Virginia Obstetrics Reports

Click here for printer friendly view

Find and Compare Physicians on their rates of Cesarean Delivery, Episiotomy and other information

23219 Search Show OB Physicians in a 10 mile radius

Enter your zipcode or the first few letters of Physician's last name. Click "Search" for all Virginia physicians in the guide.

👤👤👤 = Better than expected performance

Click any column to sort

Physician Name (click for detailed physician information)	Deliveries	Cesarean			Episiotomy		Hospital Length of Stay		Average Hospital Charge	
		Total	Primary % Rate	Primary Rating	Repeat Rating	Vaginal Deliveries	Episiotomy Rates	Vaginal Rating	Cesarean Rating	Vaginal Rating
Pierce Jr., John Gerald	146	18.90%	👤👤👤	👤	195	5.90%	👤	👤👤	👤	👤
Matthews, Catherine Ann	143	18.41%	👤👤👤	👤	109	1.82%	👤	👤👤	👤	👤
Korans, Nicole Wood	217	17.28%	👤👤👤	👤	182	1.23%	👤	👤👤	👤	👤
Issacs, Christine Elizabeth	106	18.92%	👤👤👤	👤	140	1.42%	👤	👤👤	👤	👤
Davis, Leslie Lani	224	12.43%	👤👤👤	👤	185	25.48%	👤	👤👤	👤	👤
Drozdewicz Jr., Joseph Francis	110	21.21%	👤👤👤	👤	110	0.00%	👤	👤👤	👤	👤
Wispards, Jean Alice	94	22.81%	👤👤👤	👤	55	14.55%	👤	👤	👤	👤
Weatherford, Shannon Roberts	128	18.75%	👤👤👤	👤	124	4.81%	👤	👤👤	👤	👤
Wongshwar, Sushantha	701	24.82%	👤👤👤	👤	195	31.42%	👤	👤👤	👤	👤
Vanichkachorn, Ann Cheng	179	28.50%	👤👤👤	👤	110	18.67%	👤	👤👤	👤	👤
Van Tuyls, Jessica Lynn	100	14.49%	👤👤👤	👤	121	43.88%	👤	👤👤	👤	👤
Tucker-Lewis, Cortina Nancy	188	28.48%	👤👤👤	👤	115	43.38%	👤	👤👤	👤	👤

VHI Quandary: Should we replace some VHI quality measures with AHRQ hospital QIs?
 Considerations: Risk Adjustment, stakeholder support, NQF endorsement

Our Approach



Keep VHI hospital quality measures

Evaluate adding other AHRQ non-duplicative hospital specific NQF-endorsed measures

Access MONAHRQ through existing VHI website

Consider multiple MONAHRQ websites within VHI to allow for more than one year's data

Be active on evaluation and review efforts with AHRQ

About Our Experience



Big bonuses

- Cost information using Medicare Cost report instead of just charges

Flexibility

- Query ability in hospital utilization or by city and county:
Can select by MDC, condition, DRG or procedure

Presentation

- Display by Map or table, export to Excel, etc

Definitions and Methodology

- Well-documented, with some flexibility to edit definitions as desired

AHRQ culture

- How can we make MONAHRQ better?



More About Our Experience

VHI has used several versions of MONAHRQ

Documentation/Technical assistance are good

Bugs and enhancements are prioritized for revision – follow up with any errors

Process of loading/updating fairly straight forward...if you read everything

Conduct reasonableness checks

Fast, after all data is loaded

How about an APCD version for consumers?

Be prepared, errors happen



The image shows a screenshot of the MONAHRQ software interface, which is a web-based tool for generating a data-driven website for the Agency for Healthcare Research and Quality (AHRQ). The interface is titled "MONAHRQ Agency for Healthcare Research and Quality" and includes a "Task Menu" on the left side. The main content area displays a "Welcome to MONAHRQ" message and a list of tasks. A "Cost Calculator Error" dialog box is open, displaying the message: "There was an error trying to run Cost Calculator. Requested registry access is not allowed." Another dialog box is open, displaying the message: "Click on Generate Website, error comes up: Please define regions and hospitals before creating a website. Which I already did twice." The "Task Menu" includes the following items: Inpatient Discharge Data, Import Discharge Data, Discharge Data Load Report, Discharge Summary by FIPS, ED Treat-and-Release Data, Import ED Data, ED Data Load Report, ED Visits Summary by FIPS, Hospital Compare Data, Import AHRQ GI Data, Define Regions & Hospitals, Database Manager, Website Creation (with sub-items: Generate Website, Browse Latest Website), and Tools (with sub-items: Program Options, Support Website and Email). The interface also includes buttons for "View Session Log", "Save Session Log", "Clear Session Log", and "Output your Website". The version number is "Version: 4.1.0 - 11/5/2013". The status bar at the bottom shows "File Loaded: None Rows Loaded: 870010 Database: MONAHRQ41v3".

Task Menu

- Inpatient Discharge Data
- Import Discharge Data
- Discharge Data Load Report
- Discharge Summary by FIPS
- ED Treat-and-Release Data
- Import ED Data
- ED Data Load Report
- ED Visits Summary by FIPS
- Hospital Compare Data
- Import AHRQ GI Data
- Define Regions & Hospitals
- Database Manager
- Website Creation
 - Generate Website
 - Browse Latest Website
- Tools
 - Program Options
 - Support Website and Email

Cost Calculator Error

There was an error trying to run Cost Calculator.
Requested registry access is not allowed.

Click on Generate Website, error comes up: Please define regions and hospitals before creating a website. Which I already did twice.

MONAHRQ Agency for Healthcare Research and Quality

Version: 4.1.0 - 11/5/2013

Welcome to MONAHRQ - input your data. Output your Website.

Developed by the Agency for Healthcare Research and Quality (AHRQ), the federal government's leading agency for quality of health care in the United States and part of the Department of Health and Human Services (DHHS).

MONAHRQ is free, Web-based software that enables you to generate a data-driven Website. This software includes a significant rearchitecture of the AHRQ Quality Indicators (QIs) within MONAHRQ, host users can now include the ability to report on QIs. MONAHRQ host users and the ability to report on QIs.

MONAHRQ analyzes, summarizes, and presents the information in an evidence-driven, easy-to-understand format that can easily be hosted on a Website. Four main types of information can be created:

- Quality of care in hospitals using your own discharge data and/or the CMS Hospital Compare data.
- Information on medical conditions and procedures in hospitals using your own discharge data.
- Rates of medical conditions and procedures in selected geographic areas using your own discharge data.
- Geographic mapping of medical conditions and procedures using your own discharge data.

This tool is flexible and will allow you to select what type of information you want to present. A complete Website can be built using this tool that can then be published on a workgroup server or on the web. If you are not interested in hosting a Website, the reports can still be disseminated to provide valuable information on hospital care in your area.

Exit

File Loaded: None Rows Loaded: 870010 Database: MONAHRQ41v3



Wrapping it Up

MONAHRQ: is a powerful tool for public reporting, public health and analysis of hospital and population health information

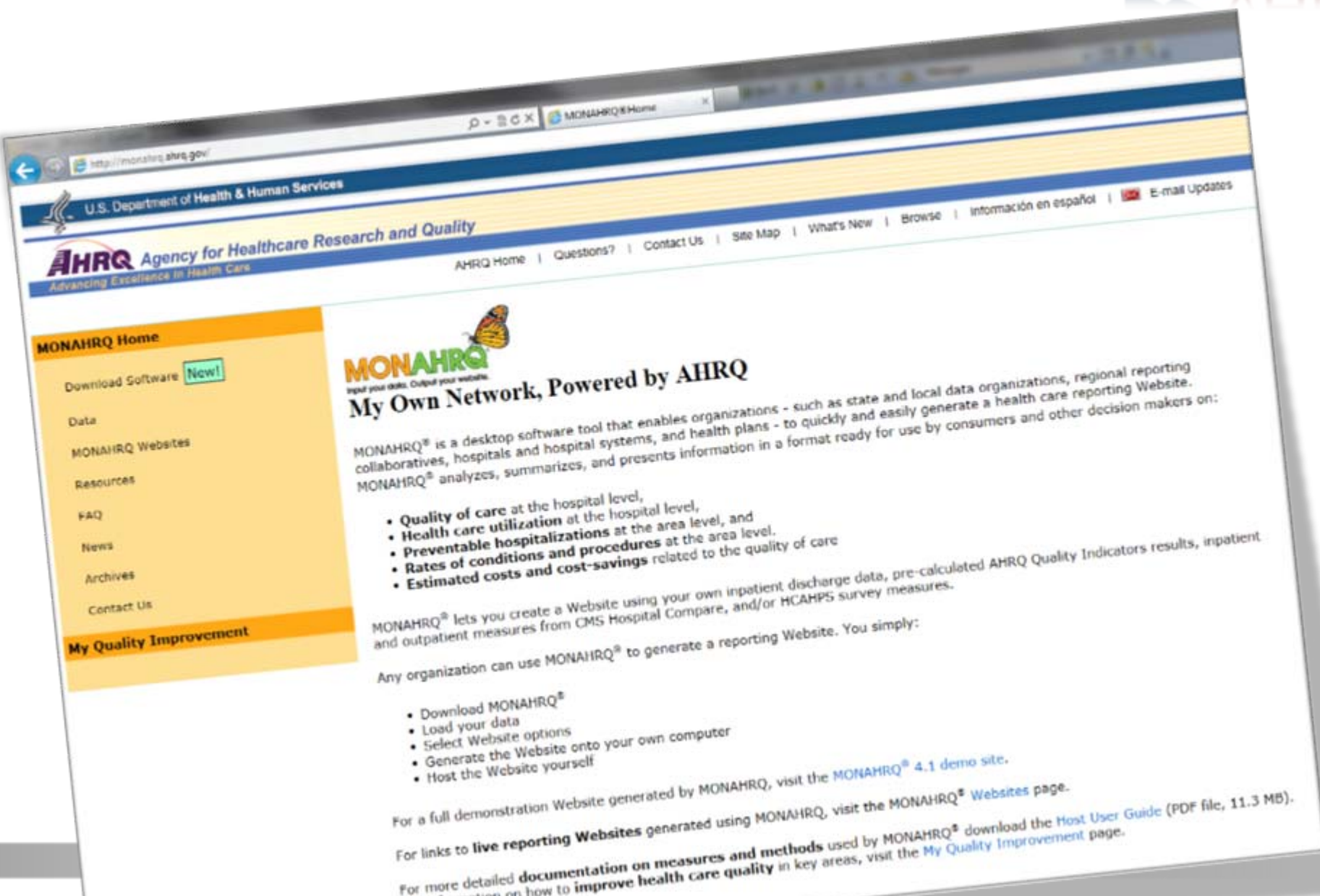
Requirements: Hospital Discharge data, computer system. May be used on the web or internally.

Level of Effort: Moderate. Setup takes time but documentation is good.

Capability: Broad ranges of uses



Your Next Steps? <http://monahrq.ahrq.gov>

A screenshot of the MONAHRQ website displayed in a web browser. The browser's address bar shows 'http://monahrq.ahrq.gov/'. The website header includes the U.S. Department of Health & Human Services logo and the AHRQ Agency for Healthcare Research and Quality logo with the tagline 'Advancing Excellence in Health Care'. A navigation menu contains links for 'AHRQ Home', 'Questions?', 'Contact Us', 'Site Map', 'What's New', 'Browse', 'Información en español', and 'E-mail Updates'. The main content area features a 'MONAHRQ Home' sidebar with links for 'Download Software' (marked 'New!'), 'Data', 'MONAHRQ Websites', 'Resources', 'FAQ', 'News', 'Archives', and 'Contact Us'. The central text reads 'MONAHRQ My Own Network, Powered by AHRQ' with a butterfly icon. Below this, a paragraph describes the software tool and its capabilities. A bulleted list highlights key metrics: Quality of care, Health care utilization, Preventable hospitalizations, Rates of conditions and procedures, and Estimated costs and cost-savings. Further text explains how the tool uses inpatient and outpatient data to generate reporting websites. A final bulleted list provides steps for users: Download MONAHRQ, Load your data, Select Website options, Generate the Website onto your own computer, and Host the Website yourself. At the bottom, there are links for a demo site, live reporting websites, and a user guide.

MONAHRQ[®] Input your data. Output your website. My Own Network, Powered by AHRQ

MONAHRQ[®] is a desktop software tool that enables organizations - such as state and local data organizations, regional reporting collaboratives, hospitals and hospital systems, and health plans - to quickly and easily generate a health care reporting Website. MONAHRQ[®] analyzes, summarizes, and presents information in a format ready for use by consumers and other decision makers on:

- **Quality of care** at the hospital level,
- **Health care utilization** at the hospital level,
- **Preventable hospitalizations** at the area level, and
- **Rates of conditions and procedures** at the area level.
- **Estimated costs and cost-savings** related to the quality of care

MONAHRQ[®] lets you create a Website using your own inpatient discharge data, pre-calculated AHRQ Quality Indicators results, inpatient and outpatient measures from CMS Hospital Compare, and/or HCAHPS survey measures.

Any organization can use MONAHRQ[®] to generate a reporting Website. You simply:

- Download MONAHRQ[®]
- Load your data
- Select Website options
- Generate the Website onto your own computer
- Host the Website yourself

For a full demonstration Website generated by MONAHRQ, visit the [MONAHRQ[®] 4.1 demo site](#).

For links to **live reporting Websites** generated using MONAHRQ, visit the [MONAHRQ[®] Websites page](#).

For more detailed **documentation on measures and methods** used by MONAHRQ[®] download the [Host User Guide](#) (PDF file, 11.3 MB).
For information on how to **improve health care quality** in key areas, visit the [My Quality Improvement page](#).