

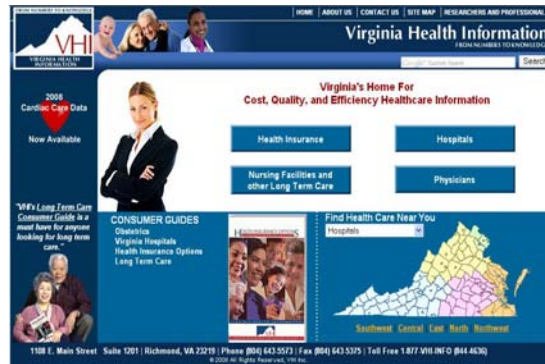
Virginia Health Information

2008 Annual Report

New Initiatives and Programs

Michael Lundberg
Executive Director

September 4, 2008



Virginia Health Information

- Formed in 1993 as a public/private partnership
- Virginia's state-recognized entity to collect, analyze and disseminate Virginia health care data
- Contracts with State Health Commissioner, DMV, DMHMRSAS, private contracts sales and services

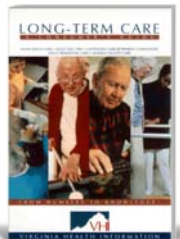
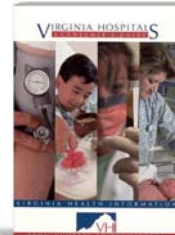




Health Data for Varied Needs

- **Hospital Discharge Data:** 870,000 discharges per year from 90+ hospitals
- **EPICS:** financial and operational information from 370+ ambulatory surgical centers, hospitals and nursing homes
- **Outpatient Surgical Data:** for 7 procedure groups from ambulatory surgery centers, hospitals and physicians
- **HMO Data:** from State Corporation Commission and National Committee on Quality Assurance
- **Long-term care:** adult day care, assisted living, CCRCs, home care and nursing facilities
- **Hospital and other facility licensure data**

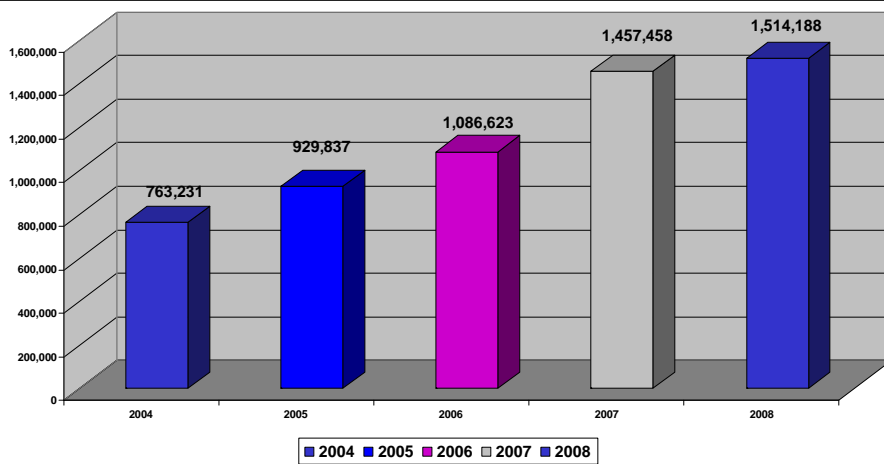
VHI Publications



Cardiac Care Reports

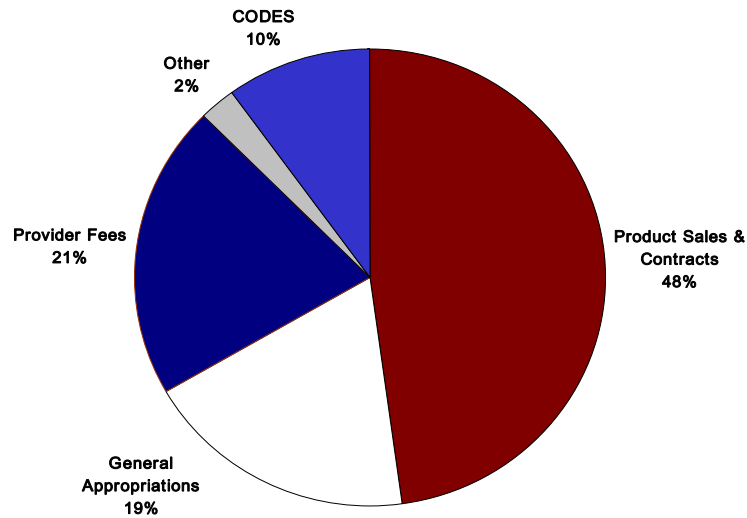
Databases/Reports on:

- Hospitals,
- Nursing Facilities
- Assisted Living, CCRCs
- Outpatient Surgery
- HMOs, Physicians
- Certificate of Need Data



VHI Revenues FY2004 - FY2008
Driven by Diversification

FY 2008 Revenues



New Initiatives

- Consumer Healthcare Pricing Transparency 2008 Legislation HB603/SB396
- Psychiatric Bed Registry
- Adding Clinical Data to Administrative Data – Hybrid Data
- Health Information Portal www.vhi.org

Consumer Healthcare Pricing Transparency 2008 Legislation

HB 603 2008 603-O'Bannon & SB 396-Edwards

- Purpose—provide consumers information on average reimbursement amounts for certain health care services
- State Health Commissioner to contract with nonprofit-VHI for an annual survey of (health insurance) carriers
- Carriers to report average \$\$ paid for a minimum of 25 most frequently reported health care services from hospitals (inpatient, outpatient, physician offices)
- Information will be publicly available at www.vhi.org
- Will not identify carriers
- Stakeholders—Anthem, MSV, Southern Health, VAHP, VHHA, VHI work to include existing service quality data and guidance to the price information - in the future, seek to include price/quality information for episodes of care

Actions to Date

- Transparency Workgroup active since April
- Studied available data from local, state and federal sources on top/frequently occurring health care services in
 - Ambulatory Surgery Centers
 - Hospitals
 - inpatient and outpatient services
 - Physician offices
- Workgroup recommendations endorsed by VHI Board and approved by State Health Commissioner

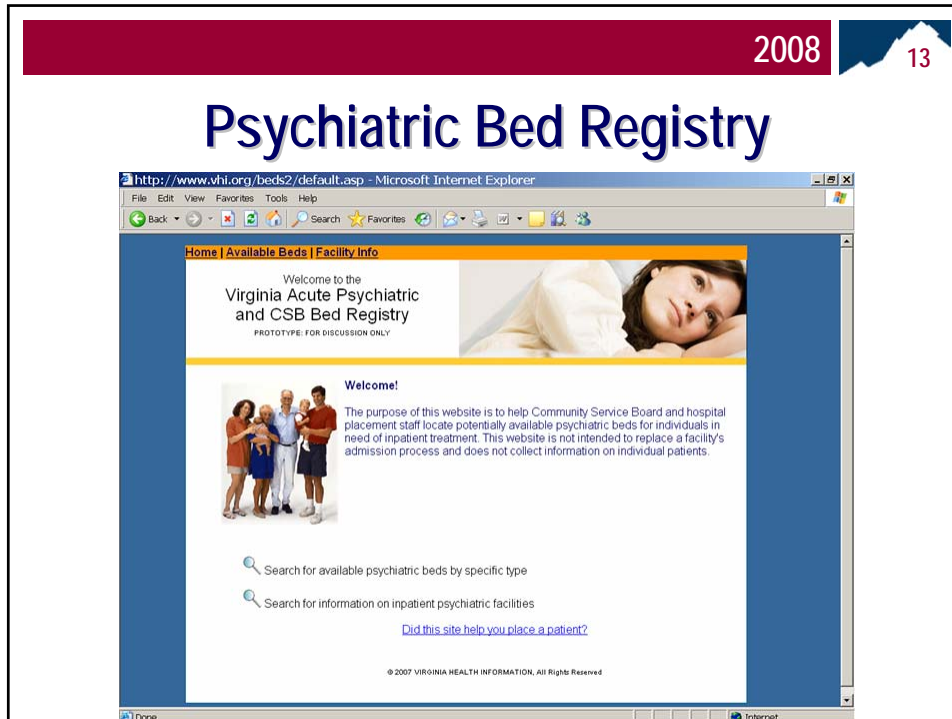
Initial List Covers Major Types and Places of Care

- Preventive Health (4)
- Emergency Department Visits (2)
- Radiology/other (6)
- CT of Abdomen (1)
- MRI (2)
- Surgical Procedures (12)
- Maternity (3)

Still to Come

- Develop detailed specifications with carrier input
- Establish timeframe/timeline for submission
- Accept, review data with workgroup for format and detail
- Develop web-based report(s) for consumers
- Publish
- Measure use, obtain feedback, revise

Psychiatric Bed Registry



Psych Bed Registry

- **Current Status**
 - January 2008—VHI signed contract with DMHMRSAS w/workplan
 - May 20, 2008—Task Force established and met; 30-day website review and comment period
 - June 03, 2008—Comments suggestions received
 - August 6, 2008--Sent DMHMRSAS comments/suggestions for sign off and further web programming for finalization
- **Next Steps**
 - Incorporate/test approved revisions
 - Task Force meeting to finalize/approve draft site
 - Bed census and Beta testing
 - Release and Training
 - Tracking and Reports on use and success in placement

Adding Clinical Data to Administrative Data Pilot States



Adding Clinical Data to Administrative Data AHRQ/VHI Contract

- The Agency for Healthcare Research and Quality (AHRQ) sponsored research demonstrating that adding selected clinical data to administrative data improves ability to predict outcomes that rivals medical record abstraction at a fraction of the cost
- AHRQ offered a competitive RFP to 38 eligible states to demonstrate proof of concept by merging administrative and clinical data into “hybrid” dataset

Why is This Important?

- Government and private insurance carriers moving to stop paying more for certain hospital acquired conditions
- Creation of a hybrid hospital data set can improve the ability to measure differences in patient outcomes for
 - ✓ Public reporting
 - ✓ Quality improvement
 - ✓ Health services research
- Pilot allows feasibility testing of concepts without legislative mandate

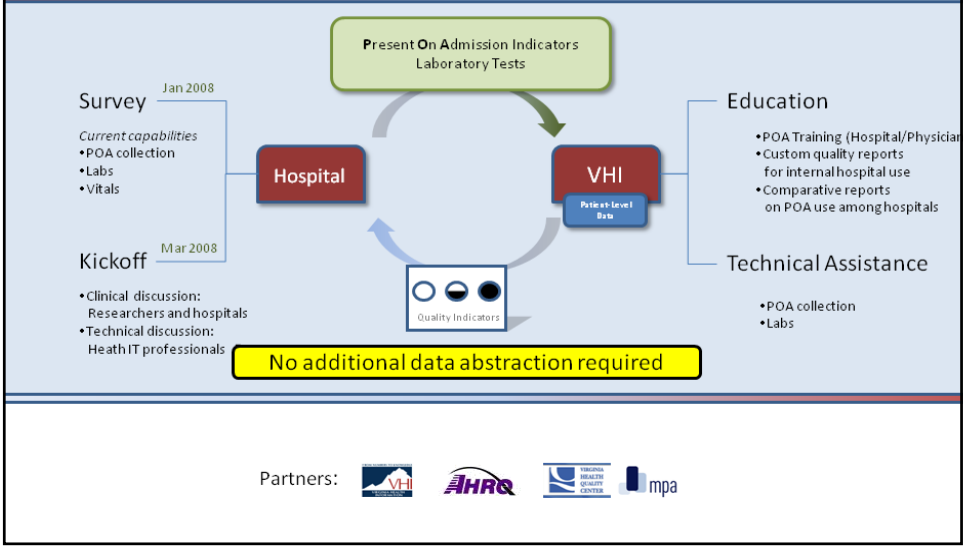
AHRQ VHI Contract Objectives

- **Establish the feasibility of linking clinical (laboratory and POA values) with administrative (hospital discharge) data** for the purposes of quality improvement, quality reporting, research and public health
- **Develop a reproducible approach for joining clinical and administrative data** that can be adopted by other statewide organizations to enable improved quality measurement in the short-term
- **Set the stage** for integrating clinical and administrative data streams in the future

Virginia Health Information

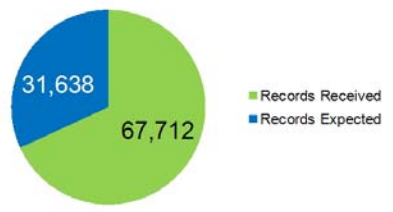
Adding Clinical Data to Administrative Data

An Overview



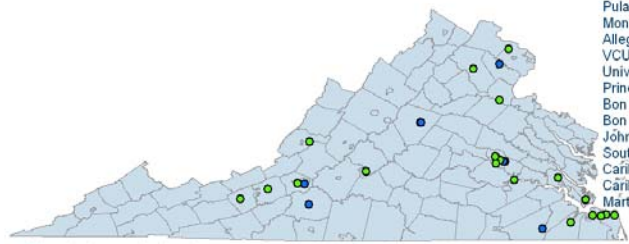
"Adding Clinical Data to Administrative Data" Status Map

Number of Records Received vs. Expected (4th Quarter 2007 discharges)*



28 Hospitals Participating (as of 8/08)!

- Fauquier Hospital
- Sentara Norfolk General Hospital
- Sentara Williamsburg Regional Medical Center
- Sentara Virginia Beach General Hospital
- Sentara Obici Hospital
- Sentara Leigh Hospital
- Sentara Careplex Hospital
- Sentara Bayside Hospital
- Centra Health
- Retreat Hospital
- CJW Medical Center
- Henrico Doctors' Hospital
- Mary Washington
- Reston Hospital Center
- Lewis-Gale Medical Center
- Pulaski Community Hospital
- Montgomery Regional Hospital
- Allegheny Regional Hospital
- VCU Health System
- University of Virginia Medical Center
- Prince William Hospital
- Bon Secours Richmond Community Hospital
- Bon Secours St. Mary's Hospital
- John Randolph Hospital
- Southampton Memorial Hospital
- Carilion Medical Center
- Carilion Franklin Memorial Hospital
- Martha Jefferson



Hospital symbol colors correspond to chart legend



Planned Use of Information

Integrate Lab and POA values with hospital discharge data

Researchers will work with VHI, hospitals and data to determine:

- How much the *Hybrid Dataset* helps in predicting patient outcomes
 - For VHI Cardiac Care Mortality and Readmission reporting
 - For other quality and patient safety indicators
 - For hospital internal quality improvement

Virginia's Health Information Portal

Stakeholders—Focus on consumers and act as a *portal* to health information from other sources including:

- Medicare for hospital, nursing facility, home health information
- Health plans' websites
- Hospitals
- Other

Recommended by the *Governor's Health Reform Commission*

VHI Actions

- **Contracted for Consumer Focus Groups to:**
 - Review www.vhi.org and make recommendations for change
- **Evaluation by Virginia Electronic Commerce Technology Center (VECTEC) at CNU for:**
 - Usability, navigation, accessibility and
 - Draft prototype of redesign
- **Incorporated Focus Group and VECTEC recommendations into new website**

Health Information Portal www.vhi.org

The screenshot shows the homepage of the Virginia Health Information portal. At the top, there is a navigation bar with links for HOME, ABOUT US, CONTACT US, SITE MAP, and RESEARCHERS AND PROFESSIONALS. The main header features the VHI logo and the tagline "FROM NUMBERS TO KNOWLEDGE". A search bar is located below the header.

The main content area is divided into several sections:

- Left Sidebar:**
 - A red heart icon with the text "2008 Cardiac Care Data Now Available".
 - A quote: "VHI's Long Term Care Consumer Guide is a must have for anyone looking for long term care." accompanied by an image of an elderly couple.
 - A section titled "CONSUMER GUIDES" listing: Obstetrics, Virginia Hospitals, Health Insurance Options, and Long Term Care.
- Center:**
 - A woman in a business suit with her arms crossed.
 - The text: "Virginia's Home For Cost, Quality, and Efficiency Healthcare Information".
 - Four blue buttons: Health Insurance, Hospitals, Nursing Facilities and other Long Term Care, and Physicians.
- Right:**
 - A section titled "Find Health Care Near You" with a dropdown menu set to "Hospitals" and a map of Virginia showing regional divisions.
 - Regional labels: Southwest, Central, East, North, Northwest.

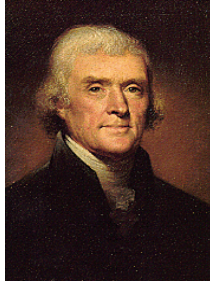
At the bottom, there is a footer with contact information: "1108 E. Main Street Suite 1201 | Richmond, VA 23219 | Phone (804) 643-5573 | Fax (804) 643-5375 | Toll Free 1-877-VHI-INFO (844-4636) © 2008 All Rights Reserved, VHI Inc."

Still to Come

- Integrate Outpatient Data
- Add CMS hospital consumer satisfaction and nursing facility quality information
- Add new obstetric information on hospitals and physicians
- 1 FTE planned for ongoing revisions and updates
- More consumer focus groups

Closing Thoughts

- VHI benefits from diverse Board composition, relationships with stakeholders and legislature
- Funding diversity helps VHI respond to changing healthcare environment
- New initiatives reflect changing needs of businesses, consumers and policymakers



“Without health there is no happiness. An attention to health, then should take place of every other object.”

Thomas Jefferson, 1787