

Allscripts Enterprise EHR Database

Patient Demographic Information

Empowering Extraordinary Patient Care

Welcome

- **Understand the Complexity of the Database**
- **Introduction to the Patient Tables in the Database**
- **Querying Patient Data in SSMS**
- **The Galen Patient View (vGHSPatient)**
- **Q&A Chat**

Why query the database

- **Clinical Informatics**
- **Summarize data you see in the EHR**
- **Verify information that you see in the EHR, or in the interfaces**
- **Export information, e.g. Excel for Graphs and Pivot Tables**

Be Careful

- **The Allscripts database is Complex**
- **You can do harm, even by just running queries**
- **You may not have access – your organization's policies**

What To Do

- **Use TEST**
 - Or, a Data Warehouse
 - Query development and testing
- **When using Production**
 - Get permission from the IT/DBA group
 - Run queries off-hours
 - Ensure it takes a reasonable amount of time
 - Most queries should be less than a minute
- **VALIDATE!**
 - Always Verify your queries' data

What NOT To Do

- **Never . . .**
 - Access the database without proper approval
 - Delete data. Ever.
 - Run *anything* in production during the day
 - Share passwords, even “defaults” like IDXAdmin
 - Save patient data on your PC or in email
 - HIPAA concerns
 - Your company’s policies

Information to Review

- **Patient name, date of birth, sex, SSN**
- **Patient demographics**
- **Patient contact information**
- **Patient insurance information**

Common Person Tables

- **Person**
 - Name, DOB, SSN. Person holds all basic person information - Patients, Users and Providers. Link on Patient_Member to filter out non-patients.
- **Person_Phone**
 - Phone Number information. Use dbo.fnPhone function to display human readable phone info.
- **Person_Address**
 - Address Information.
- **Person_Other**
 - Includes extra information about the patient including Ethnicity, Marital Status, Languages, etc.

Common Patient Tables

- **Patient_org**
 - MRNs and Other Numbers. At least two entries will exist for each Patient, matching on InternalOrganization.
- **Patient_Member**
 - Extended patient info – Primary Care Provider, Is Inactive Flag and other misc info.
- **Primary_Insurance**
 - Insurance information. In v11, this stores primary, secondary and tertiary info, despite its name.

Patient View

- **vGHSPatient**
 - Created for this session
 - Common patient demographics
 - Complexity
 - 13 tables and views linked
 - Functions to show phone
 - Knowing what to exclude – IsInactiveFLAG on the Person table

Dictionaries

- **Table naming**
 - Dictionary name, + “_DE”, e.g. Document_Type_DE
- **Linking – “DE” column = ID column.**
 - Document.DocumentTypeDE = Document_Type_DE.ID
- **Dictionary table**
 - SELECT * FROM Dictionary
WHERE Name = ‘Resultable Item’
 - TableName: QO_DE

Keep it Simple

- **Simple queries**
- **Validate / test as you go**
- **Use as building blocks for complex queries**

Lookup Tables and Normalization

- **Q: Why do I have to query 10 tables to get the info I need?**
- **A: Database Normalization**
 - Required for the application to run effectively
 - Yes, it makes reporting more difficult
 - http://en.wikipedia.org/wiki/Database_normalization
- **Data Warehouses, e.g. Allscripts ETL**

IT/DBA Recommendations

- **Create a reporting environment**
 - A copy of production, or
 - Use an ETL process, or
 - Use SQL Server Mirroring / Snapshotting
- **Separate SQL users for each person**
- **Limit access to read-only**
 - http://wiki.galenhealthcare.com/Reporting_Database_User_Permissions

Summary

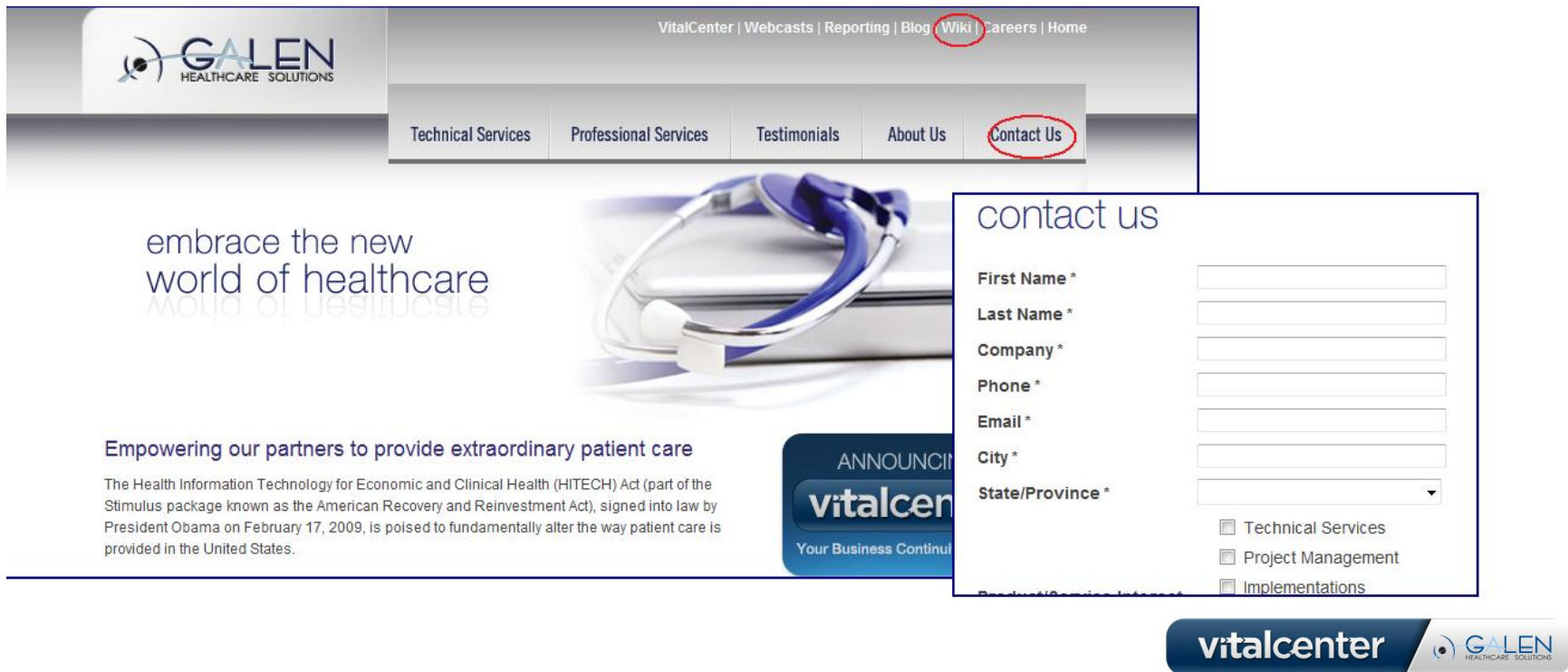
- **Why we query the EHR**
- **Ask for Access, Use Test**
- **Patient Info**
- **Querying**

Galen Reporting Offerings

- **Custom Reports**
- **Custom Print Forms**
- **ETL and Analytics Reporting**
- **Training**
 - Analytics
 - Allscripts DB
 - ETL DB
 - AEPM (Allscripts Enterprise Practice Management)
 - Advanced Interface / ConnectR

Thank you for joining us today, for additional assistance....

You can contact us through our website at www.galenhealthcare.com



The screenshot shows the Galen Healthcare Solutions website. The navigation menu includes: VitalCenter | Webcasts | Reporting | Blog | Wiki | Careers | Home. The main navigation bar contains: Technical Services | Professional Services | Testimonials | About Us | Contact Us. The contact form is titled "contact us" and includes the following fields: First Name *, Last Name *, Company *, Phone *, Email *, City *, and State/Province *. Below the form are three checkboxes: Technical Services, Project Management, and Implementations. The website also features a stethoscope image and a section titled "Empowering our partners to provide extraordinary patient care" with text about the HITECH Act. A "vitalcenter" logo is visible at the bottom right.

You can also email education@galenhealthcare.com