



Thinking About Health  
Information Differently  
Population Health Collaboration  
Practical Approaches



## Mission

To serve as a catalyst for continual improvement in community health and healthcare delivery through education, research, communication, collaboration and coordination.

## Vision

Act as a trusted community resource to expand knowledge and develop new insight for the continuous improvement of health and healthcare.



# Relationship and History



Non-profit foundation affiliated with  
Dallas-Fort Worth Hospital Council

Information & Quality Services Center in  
existence for 14 years

Services contracts in place with Business  
Associate Agreements

80 facilities participate

Data submitted to the Texas Healthcare  
Information Collaborative

# Foundation Structure

Information and Quality  
Services Collaborative

Community Health  
Collaborative

Texas Quality  
Initiative

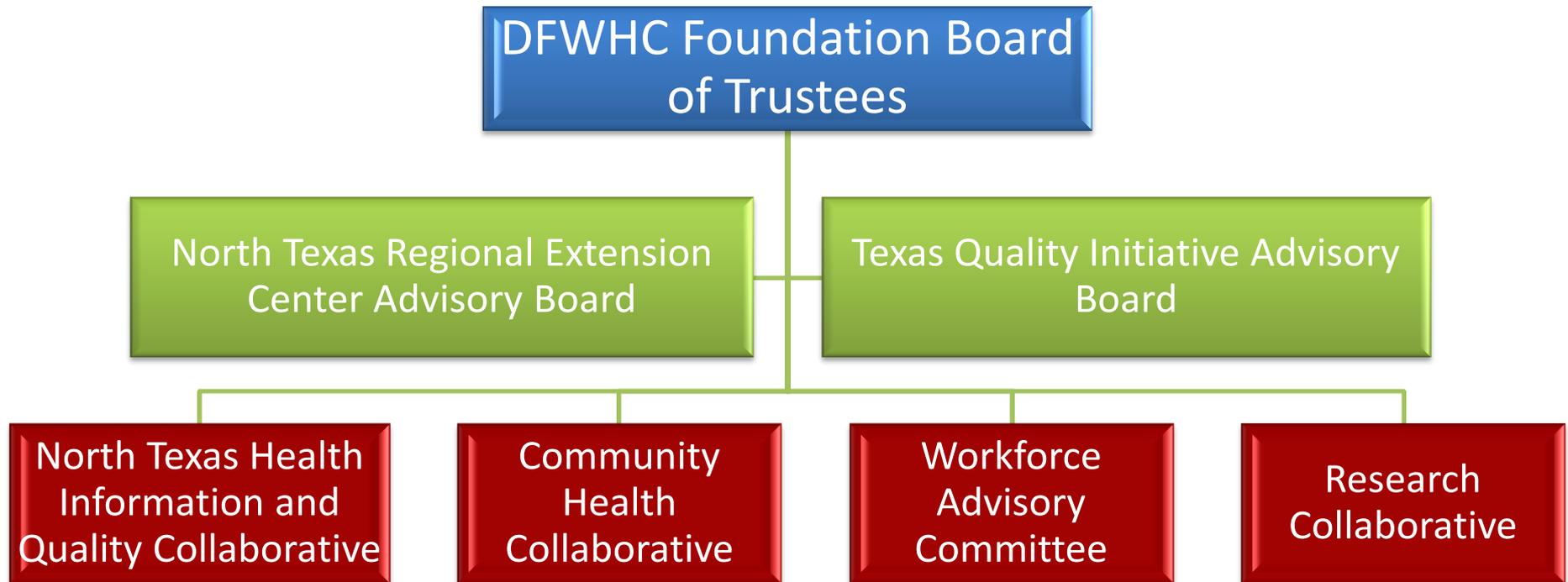
Board of  
Trustees

North Texas  
Regional  
Extension  
Center

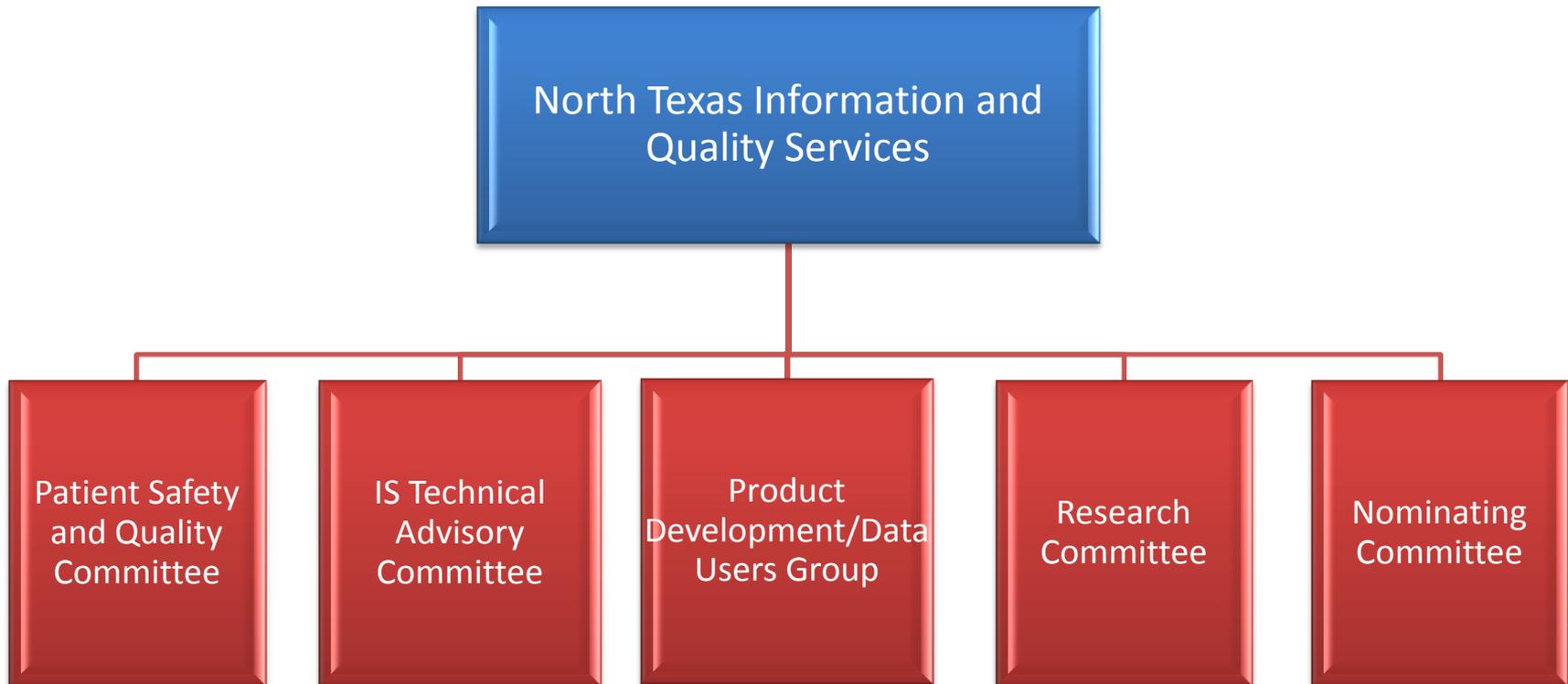
Research Collaborative

Workforce Development  
Center

# Foundation Committee Structure



# Committee Sub-Structure for Data Management/Use



# DATA INTEGRITY is KEY



## QUALITY ASSURANCE REPORT

### QUALITY ASSURANCE REPORT

Prepared by Ed Schmitt  
As of September 28, 2010

Data Source:	DISQLWAREHOUSE/'DI PUDF MSDRG'
Cognos Cubes	'DI PUDF v1_2', 'DI PUDF MRSA 2008Q4 to Present', 'DI PUDF v1_2_PHY_DRG', 'DI PUDF V2 Trauma'
Analytic Type (e.g., Quality, PUDF):	Reconciliation, Validation, Fitness
Timeframe of tested data:	2010Q2 and Previous Periods

Known items per previous quarter release:	ProviderID	Name	Issue	Status

#### Validation & Reconciliation & Fitness

Audit	Date	Comments	Status
Counts for inpatient claims for each hospital are within upper and lower bounds, notes for exceptions	9/28/2010	Pass	Complete
Charge Totals for inpatient claims for each hospital are within upper and lower bounds, notes for exceptions	9/28/2010	Pass	Complete
Previous Period Change Review	9/28/2010	Pass	Complete
Inpatient Label Checks - All Diag and Proc Code Positions	9/28/2010	Pass	Complete
Compare discharge counts of tallpatientdata to counts in DI_PUDF_MSDRG for 2010Q2 - Cognos Data Source Validation	9/28/2010	Pass	Complete
Compare discharge counts previous quarter All Periods in DI_PUDF_MSDRG to tallpatient data - Cognos Data Source Validation	9/28/2010	Pass	Complete
Compare MSDRG counts of tallpatientdata to counts in DI_PUDF_MSDRG for 2010Q2 - PUDF Source	9/28/2010	Pass	Complete
Diagnosis Counts - All Quarters and No Variance - PUDF to Source	9/28/2010	Pass	Complete
Procedure Counts - All Quarters and No Variance - PUDF to Source	9/28/2010	Pass	Complete
Cognos Counts - PUDF to Source and PUDF to Previous Quarters	9/28/2010	Pass	Complete
Trauma - Class Values	9/28/2010	Pass	Complete
MRSA - Class Values	9/28/2010	Pass	Complete
Delivery Types/Classes	9/28/2010	Pass	Complete
Admit Type	9/28/2010	Pass	Complete
Admit Source	9/28/2010	Pass	Complete
Age Categories	9/28/2010	Pass	Complete
Mortality Pop	9/28/2010	Pass	Complete
Charge Ranking	9/28/2010	Pass	Complete
Discharge Status	9/28/2010	Pass	Complete
Zip Codes	9/28/2010	Pass	Complete
Payor	9/28/2010	Pass	Complete
Cube Invalids/Orphans/Default Keys	9/28/2010	Pass	Complete

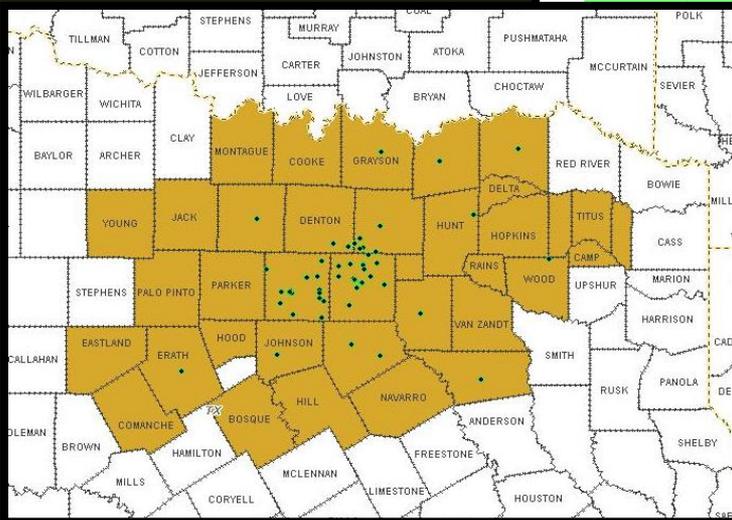
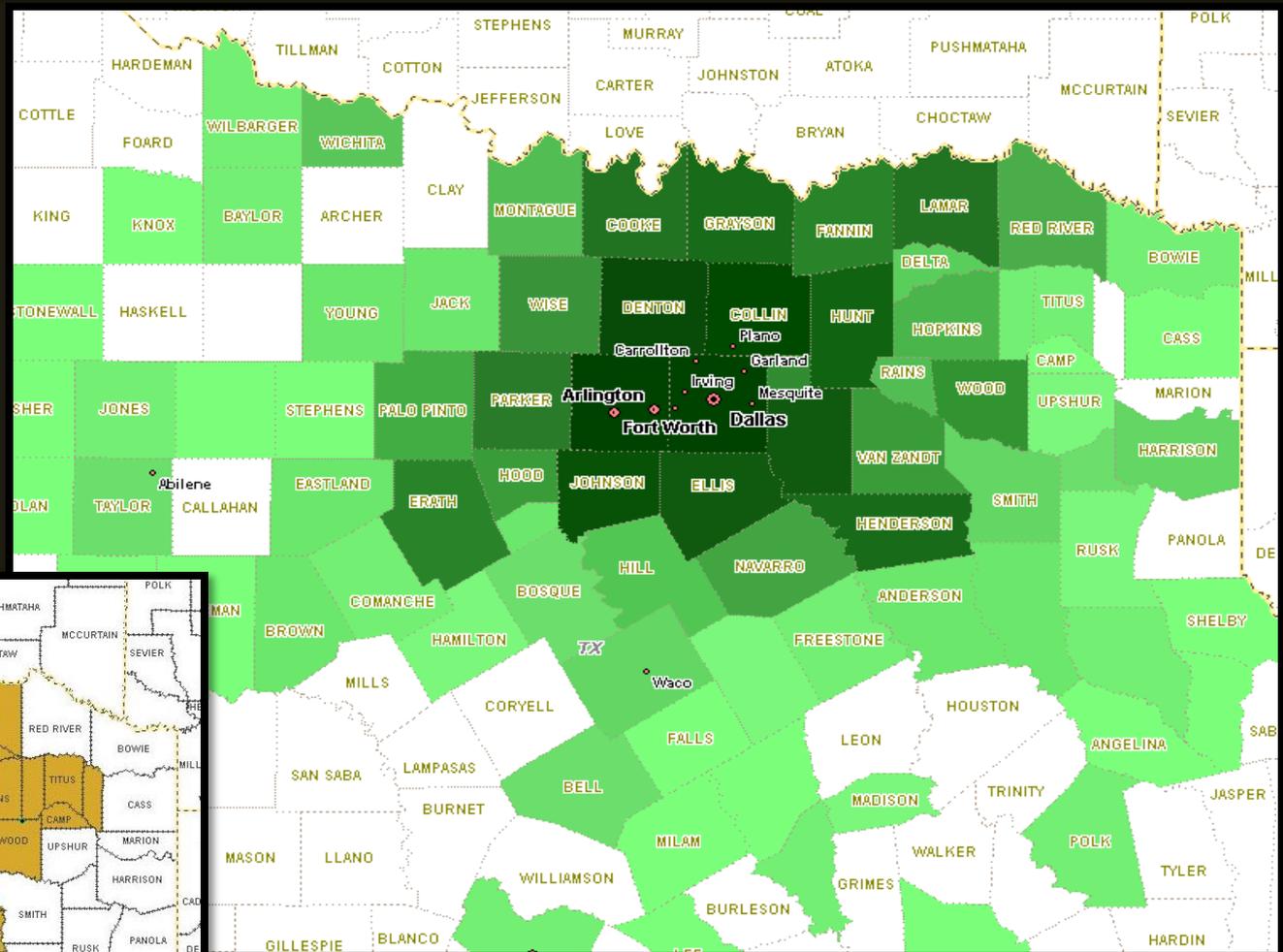




Information

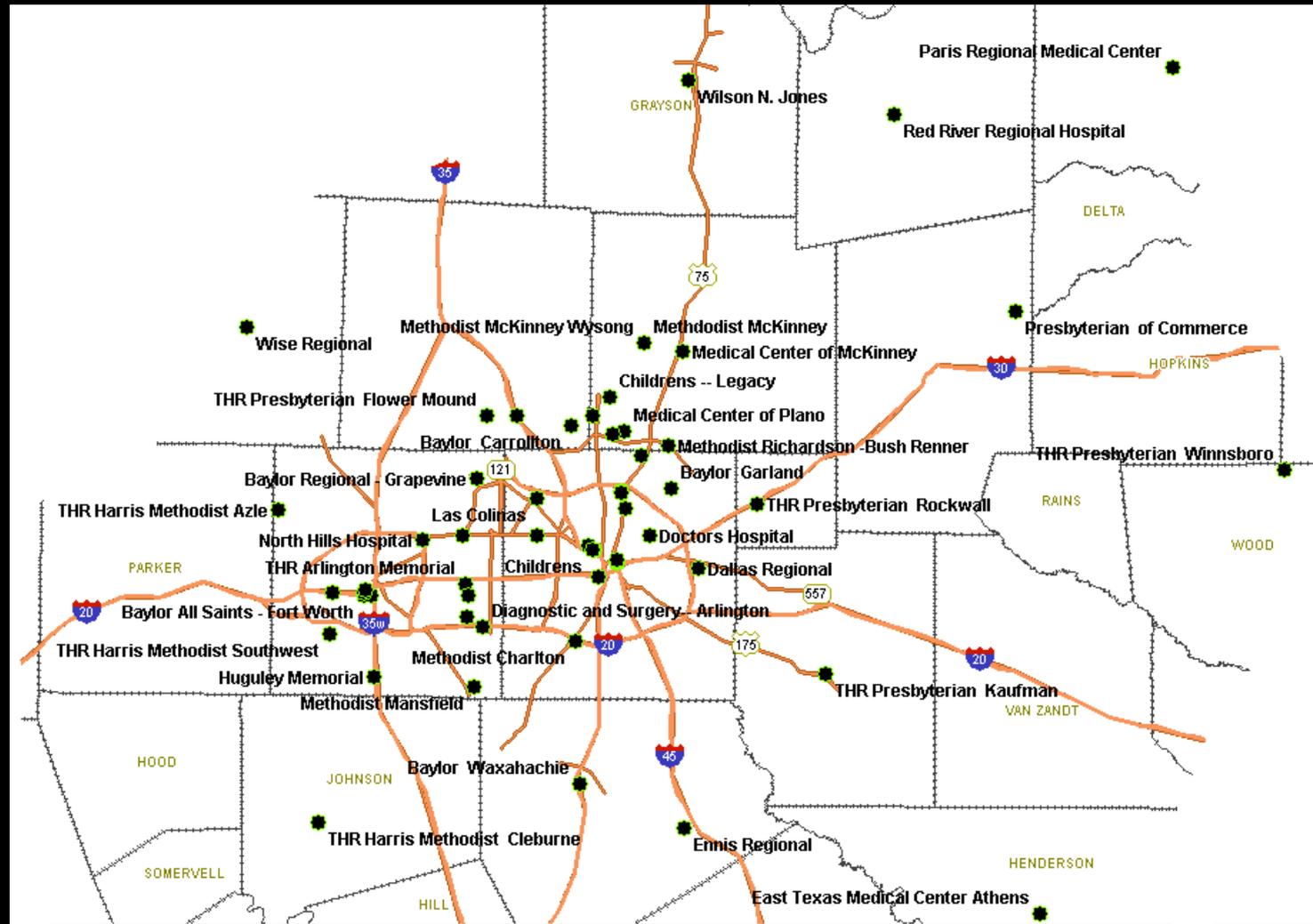
# DATA CONTENT AND AVAILABILITY

# Contributing Facilities and Patients

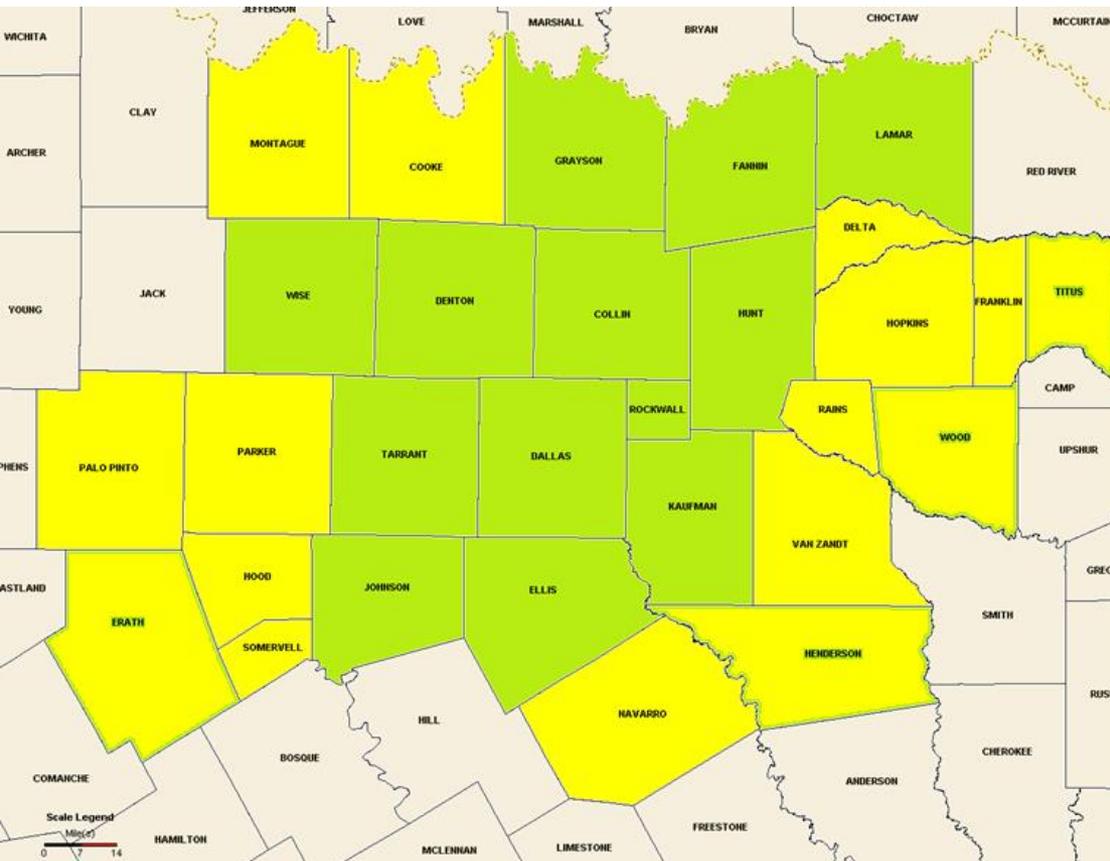


# Who Are the Data Submitters?

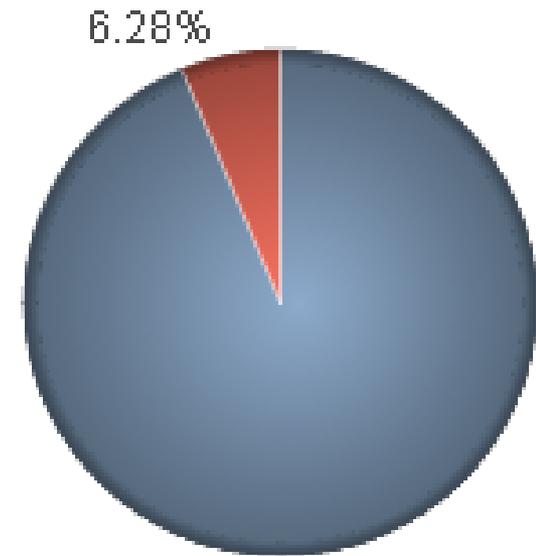
- 80 Facilities
  - 65 Acute
  - 7 Rehab/Psych
  - 8 AmbSurg
- 17 counties



# How much data is captured in the DFWHC Data Warehouse?



DFWHC	93.72%
Not Submitting to DFWHC	6.28%



\* Note 2010 Data--Excludes Rehab and Behavioral Health

# General Description of Information Submitted

- Claims from all participating hospitals
- HIPAA compliant blinding
- All payers - including self-pay patients
- All patient encounters except
  - outpatient lab
  - hospital-based outpatient clinic

The image shows a medical claim form, specifically a UB-92, which is used for submitting claims to health insurance payers. The form is filled out with various data points, including patient demographics, insurance information, and medical service details. Key sections visible include:

- Header Section:** Contains fields for patient name, address, and contact information.
- Insurance Information:** Fields for health plan ID, insurer name, and group name.
- Medical Services:** A large table with columns for procedure codes, dates, and charges.
- Summary Section:** Includes a 'TOTALS' row and fields for estimated amounts due.
- Footer Section:** Contains fields for provider information, including name, address, and contact details.

Timeliness

# Timeliness



- Run on THCIC State Data
  - About 1 year lag to most current quarter
- Run on DFWHC Region Wide data
  - About 2.5 months lag to end of most current month

# Inpatient Claims Information

- North Texas Data from 2003 to Present
- Texas State Data 2004 to Present
- Case level detail
- Diagnosis codes 1-25
- Procedure codes 1-25
- All Charge Data  
(Total Charge only in Texas State Data)
- Physician ID and Name  
(Not included in Texas State Data)



# Outpatient Claims Information

- North Texas Data from 2006 to Present
  - 44 volunteer hospitals 2006 -2009
  - All Facilities beginning Q4 2009
- Case level detail
- Diagnosis codes 1-25
- Procedure codes 1-25
- All Charge Data



Outpatient  
Claims  
Information  
*Unique* to  
DFWHC  
Foundation

- ✓ Physician ID and Name
- ✓ ER Encounters with NYU Algorithm
- ✓ Observation, GI and Cardiology Encounters



# Regional Enterprise Master Patient Index (REMPI)

- Probabilistic electronic tool that matches patient encounters across hospitals and systems when applied to the Information and Quality Services Center Data Set
- Identification and analysis of patient activity regardless of encounter location or payer
  - Readmissions
  - ER utilization
  - Imaging utilization





# Texas Quality Initiative

- Regional STS Certified Clinical Data Registry
- > 90% of North Texas CABG and AVR Encounters
- REMPI Matching to Claims Warehouse Information



# Business Intelligence

- ✓ Quality Metrics – Hospital Engagement Network and AHRQ Measures
- ✓ Improvement of Cardiovascular Services
- ✓ Readmission Analyses
- ✓ ER “Frequent Flyer” Reports
- ✓ Market segment assessments – by service line, physician and geography
- ✓ Community Health Needs Assessments and Regional Community Health Improvement Reporting
- ✓ 1115 Waiver Metric/Outcome Support
- ✓ ACO Alignment Information
- ✓ Regional Health Information Exchange Support
- ✓ Grants/Research





## **Taking Data to the Next Level**

Population Health, Research,  
Physician Analytics

# Community and Population Health Management

- Diabetes
- Congestive Heart Failure Readmissions
- Patient Migration
- Emergency Room Analysis
- Form 990 Analyses
- 1115 Waiver Metrics
- Rural Uses

[www.healthyntexas.org](http://www.healthyntexas.org)

The screenshot shows the Healthy North Texas website interface. At the top, there is a banner with the text "HEALTHY NORTH TEXAS" and "Powered by The Healthy Communities Network". Below the banner is a navigation menu on the left with options like Search, Home, News, Community Snapshot, Demographics, 2020 Tracker, Resource Center, Topic Centers, Promising Practices, Report Assistant, and Contribute Content. The main content area is divided into several sections: "COMMUNITY SNAPSHOT" with six indicators (Adult Binge Drinking, Breast Cancer Death Rate, Flu Vaccinations, Voter Turnout, Teen Births, Very Low Birth Weight), "IN THE NEWS" with a "Local Feature Story" and "About This Site" section, and "Featured Content" with "March is Colorectal Cancer Awareness Month" and "Air Quality Index" for Dallas-Fort Worth. The "Air Quality Index" section shows a "Good" rating for Ozone. At the bottom left, there is a logo for the DFWHC FOUNDATION and a description of the "North Texas Health Equity Project".

**COMMUNITY SNAPSHOT**

Adult Binge Drinking, Breast Cancer Death Rate, Flu Vaccinations, Voter Turnout, Teen Births, Very Low Birth Weight

**IN THE NEWS**

*Local Feature Story*

**About This Site**

Healthy North Texas is a web-based source of community health and population data. We invite planners, policy makers, and community members to use the site as a tool for community assessment, strategic planning, identifying best practice for improvement, collaboration and advocacy.

**Get started on Healthy North Texas!**

- Compare more than 100 local health and quality of life [indicators](#) with other Texas counties, the state, the nation, and national targets.
- Learn about [promising practices](#) on a variety of topics that affect community health
- Submit a promising practice

**Featured Content**

March is Colorectal Cancer Awareness Month

**Air Quality Index**

Dallas-Fort Worth

Current Conditions: Good

Pollutant: Ozone

**Observed at:** 03/11/11 16:00 CST

[Air quality indicator](#)

[Detailed conditions](#)

Provided by

**INITIATIVE OF:**

**DFWHC FOUNDATION**

**North Texas Health Equity Project**

To address striking differences in the incidence, prevalence, and mortality of many diseases within minority and poor

# Contacts

Kristin Jenkins

[kjenkins@dfwhcfoundation.org](mailto:kjenkins@dfwhcfoundation.org)

or 817-319-3587

**Dallas-Fort Worth Hospital Council  
Education and Research Foundation**