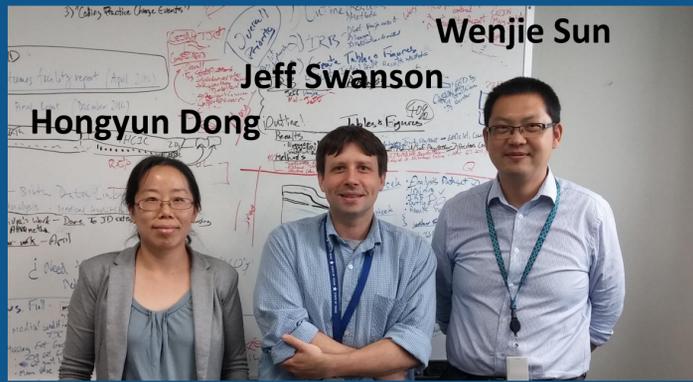




TEAM MEMBERS



VISION

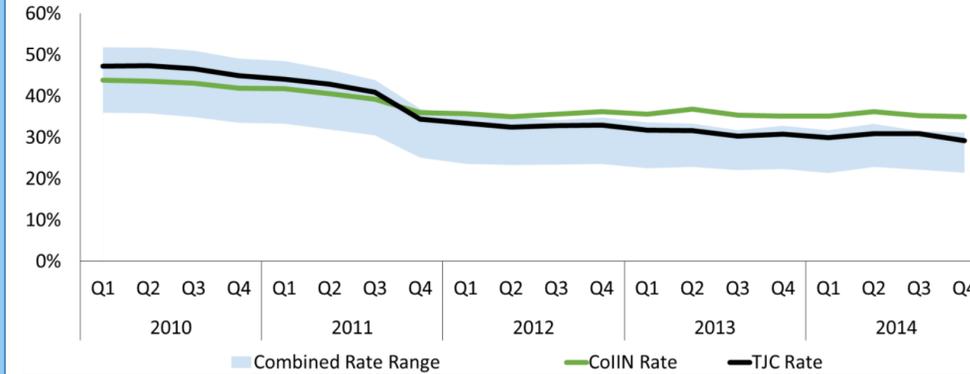
We serve as a research-intensive arm of the Center for Health Statistics, collaborating with subject matter experts and integrating information from multiple data sources to produce timely, actionable health statistics.

CURRENT AND PLANNED PROJECTS

- Legislative Report on Early Elective Deliveries
- Data Visualization on Non-Medically Indicated Early Cesareans and Inductions
- Assessment of Medical Indications for Early Delivery: Birth Certificate vs. Inpatient Hospital Discharge Data
- Predictors and Outcomes of Non-Medically Indicated Early Term Cesareans and Inductions, by Timeframe and Method of Delivery
- Impact of Extreme Temperature on Hospital Admissions and Cost of Care: A Temporal and Spatial Analysis of Evidence from Texas
- Does Health Inequality Effect Childhood Asthma Hospitalization in Texas?

DETAILED ANALYSES

Non-Medically Indicated Cesareans and Inductions before 39 Weeks of Gestation, 2010-2014, by Quarter and Method of Calculation



Non-Medically Indicated Cesareans and Inductions before 39 Weeks of Gestation, 2010-2014, by Sociodemographic, Medical, and Regional Characteristics

Sociodemographic Characteristics	2010	2011	2012	2013	2014	Medical & Regional Characteristics	2010	2011	2012	2013	2014
Age Group						Previous Cesarean Sections					
Less than 20	19.6	16.1	11.6	11.3	9.8	None	15.8	12.6	9.4	8.7	7.8
20-34	36.6	31.6	23.8	22.8	22.1	At least one	82.7	79.0	69.4	69.3	69.0
35 and older	41.7	37.5	32.0	29.4	30.4	Rural vs. Urban Counties					
Initial Intended Payment Source						Rural	38.5	34.7	27.1	25.3	25.6
Medicaid	34.5	29.5	21.9	21.3	20.9	Urban	34.5	29.8	23.0	22.1	21.5
Private	37.6	33.0	26.2	24.8	23.7	Border vs. Non-Border Counties					
Self-Pay	26.2	24.6	20.7	19.2	18.8	Border	44.7	40.1	29.1	27.9	27.8
Other	34.9	29.6	22.9	21.4	22.9	Non-Border	33.0	28.5	22.5	21.5	20.9

COLLABORATION WITH DSHS PROGRAMS

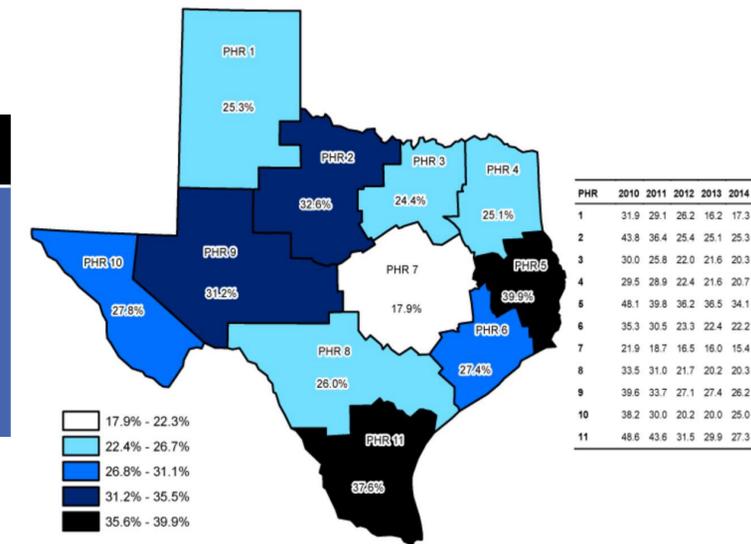
Collaboration with CHS Data Linking Team to Improve Linkage Rates: Texas Birth Certificate Linked to Inpatient Hospital Discharge Data

Linkage Method, 2012	Linkage Rate (Percentage)
Simple Deterministic	73%
Detailed Probabilistic	95%

With Initial Feedback from DSHS Health Promotion & Chronic Disease Prevention Section: Association between Ethnicity and Hospital Length of Stay & Total Hospital Charges for Childhood Asthma

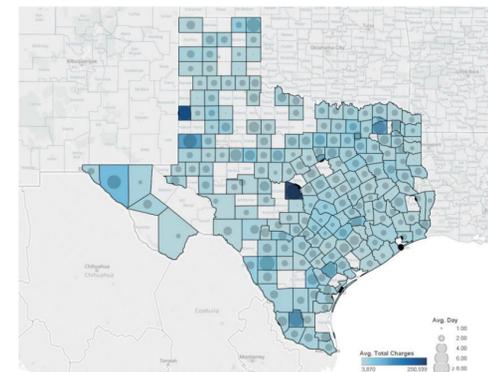
Hospitalizations for childhood asthma (<18 years of age)	Odds Ratios [95%CI], Hispanic vs Non-Hispanic
Length of stay (in days)	
Model 1 [†]	0.71 [0.66-0.79]*
Model 2 [‡]	0.78 [0.71-0.86]*
Total hospital charges	
Model 1 [†]	0.98 [0.90-1.07]
Model 2 [‡]	1.04 [0.95-1.14]
Total hospital charges, Model 2[‡], Border & Non-Border Counties	
Border counties	0.47 [0.32-0.71]*
Non-border counties	1.10 [0.99-1.21]

Collaboration with Center for Health Statistics GIS Team: Non-Medically Indicated Cesareans and Inductions before 39 Weeks of Gestation, 2010-2014, by Public Health Region (PHR)

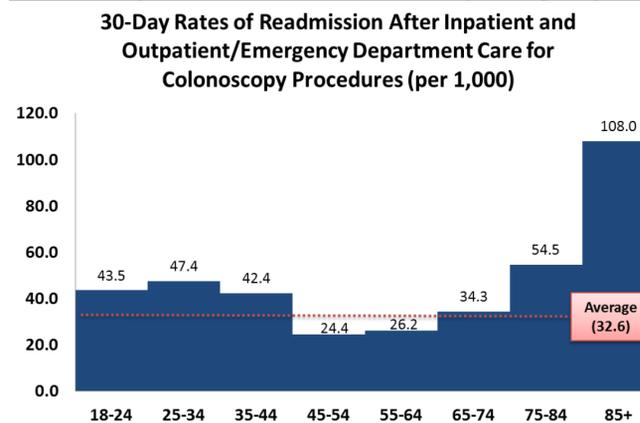


USE MULTIPLE RESOURCES TO PRODUCE HIGH-QUALITY REPORTS

Interactive Mapping via Tableau Dashboard: 2014 Hospital Charges and Days Stayed for Childhood Asthma



Use Multiple Tools to Produce Compelling Reports



Evidence-Based Data Analyses

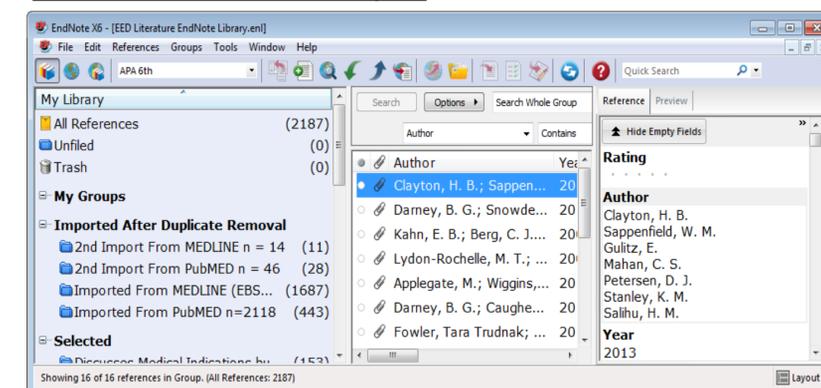


Tableau Interactive Dashboard: Non-Medically Indicated Cesareans and Inductions before 39 Weeks of Gestation by Race/Ethnicity, 2010-2014

Mother's Race/Ethnicity	2010	2011	2012	2013	2014
Hispanic	34.7%	30.1%	22.2%	21.2%	21.1%
Non-Hispanic White	37.5%	32.8%	26.8%	25.0%	24.3%
Non-Hispanic Black	33.3%	28.9%	23.1%	23.2%	22.4%
Non-Hispanic Other	27.8%	23.2%	19.0%	19.3%	18.1%