

# VISUALIZING NEW YORK STATE MATERNITY DATA AND BIRTH TRENDS

DENISE SISON



# HOSPITAL MATERNITY INFORMATION: BEGINNING 2008

- Maternity Information Law
  - require hospitals to provide information about its childbirth practices and procedures
- Individuals , esp. expectant mothers
  - Expect
  - Childbirth choices
  - Plan



# HOSPITAL MATERNITY INFORMATION: BEGINNING 2008

- Counts and Percentages
- Hospital fewer than 200 births a year
  - Special procedures ~ change rates
- Specialized services to women
  - Complicated or high risk births
  - Babies not expected to develop normally
  - Higher rates of special procedures
- Trends Over Time



## About this Dataset

Updated

**September 6, 2018**

Data Last Updated September 6, 2018    Metadata Last Updated September 6, 2018

Date Created  
May 8, 2014

Views      Downloads  
**44.8K**      **1,300**

Data Provided by  
New York State Department  
of Health

Dataset Owner  
Open Data NY -  
DOH

[Contact Dataset Owner](#)

## Dataset Summary

Time Period	Beginning 2008
Posting Frequency	Yearly
Dataset Owner	Office of Quality & Patient Safety, Bureau of Vital Statistics
Coverage	Statewide
Granularity	Hospital
Units	Live Births
Organization	Office of Primary Care & Health Systems Management/Office of Public Health/Office of Quality and Patient Safety, Bureau of Vital Statistics
Data Frequency	Annually

## Notes

Notes	For help in finding prenatal care services, call the New York State Health Department's Growing Up Healthy Hotline 1-800-522-5006 (toll-free).
-------	--

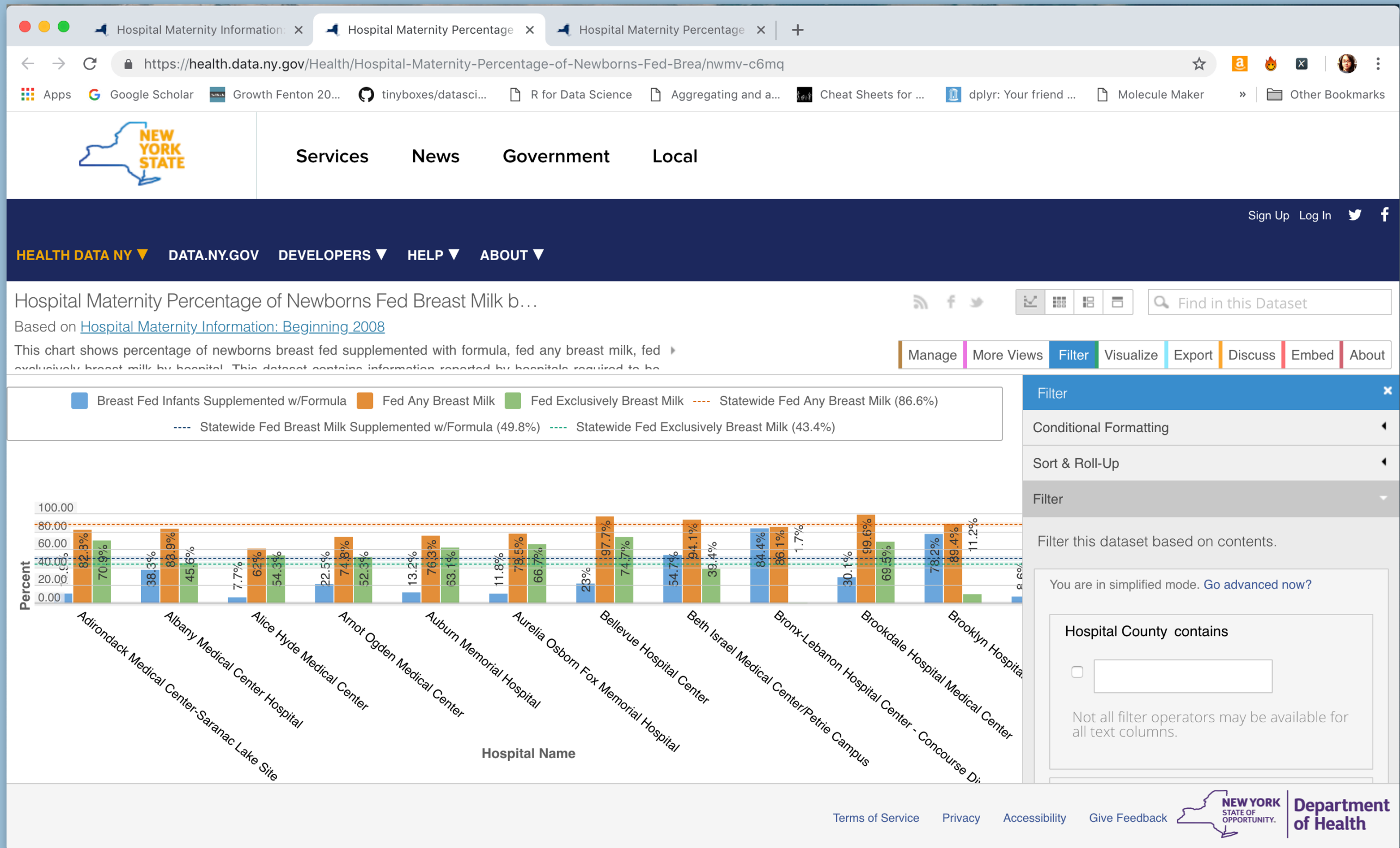
[Show More](#)



# HOSPITAL MATERNITY INFORMATION: BEGINNING 2008

- NYS data from 2008 until 2016
- 146 Hospitals - State and Private
- 52 out of 62 Counties
- Missing data:
  - 10 Counties (Delaware, Essex, Greene, Hamilton, Herkimer, Schoharie, Seneca, Tioga, Washington, Yates)

# NYS DOH DATA VISUALIZATION

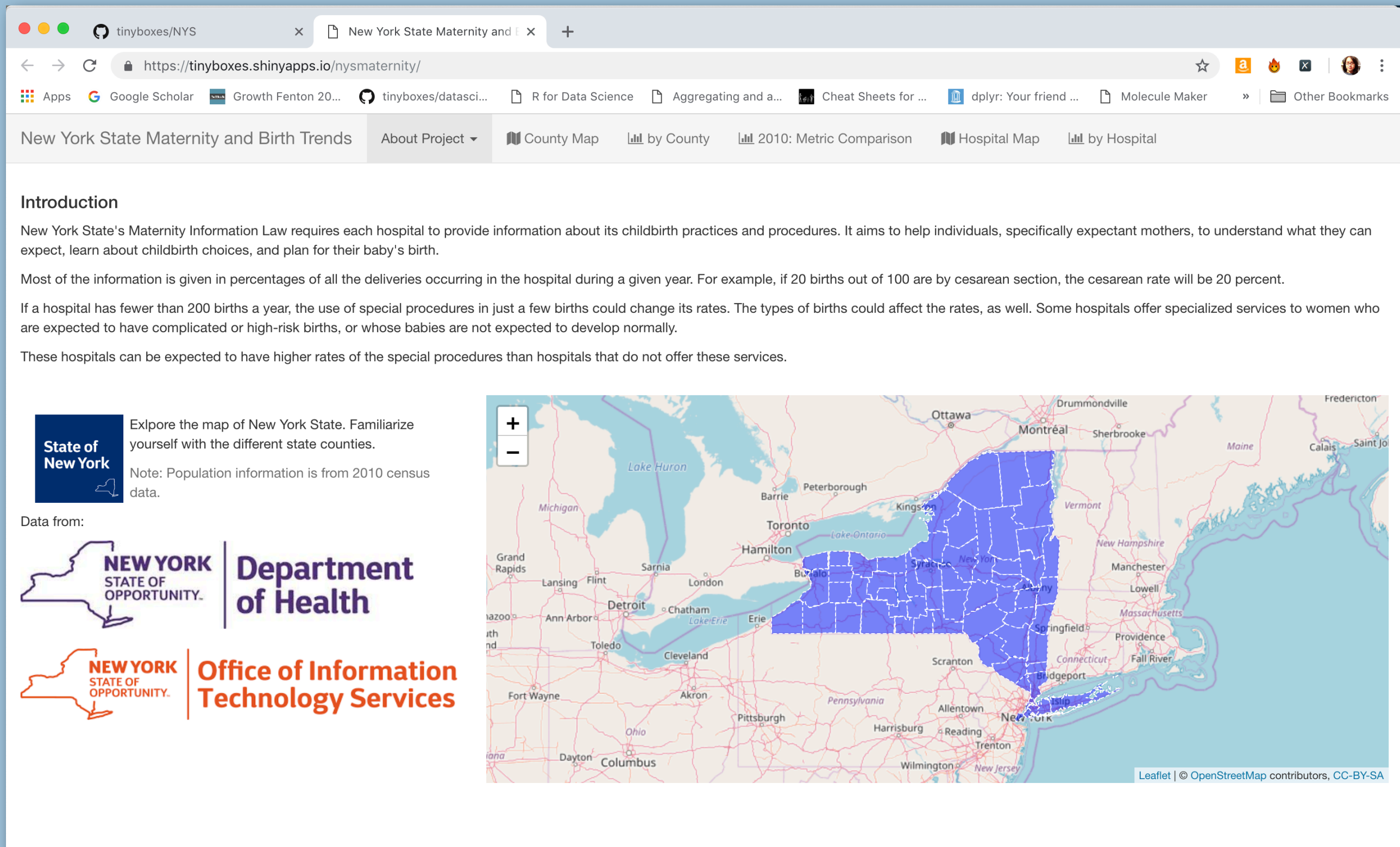


# A NEW PERSPECTIVE

## OBJECTIVES IN MAKING MY SHINY APP

- Spatial Visualization
  - Where in the state
  - higher/lower incidences of specific measures
  - clusters/pockets
- County Trends vs Hospital Trends
- Trends Over Time
- Find Top counties
- Compare to Statewide data

# APP INTERFACE





# FUTURE IMPLEMENTATIONS

## ADDING STATE DEMOGRAPHICS AND INFANT DATA

- Include missing counties
- Update with more recent data, once available
- County demographics, maternity data , infant data
- Add feature to compare metrics
- Maternity Data and Infant Data:
  - Special procedures during delivery
  - Birth weight vs
  - Gestation at birth vs Route & Method of Delivery
  - Factors that predict a certain metric

