



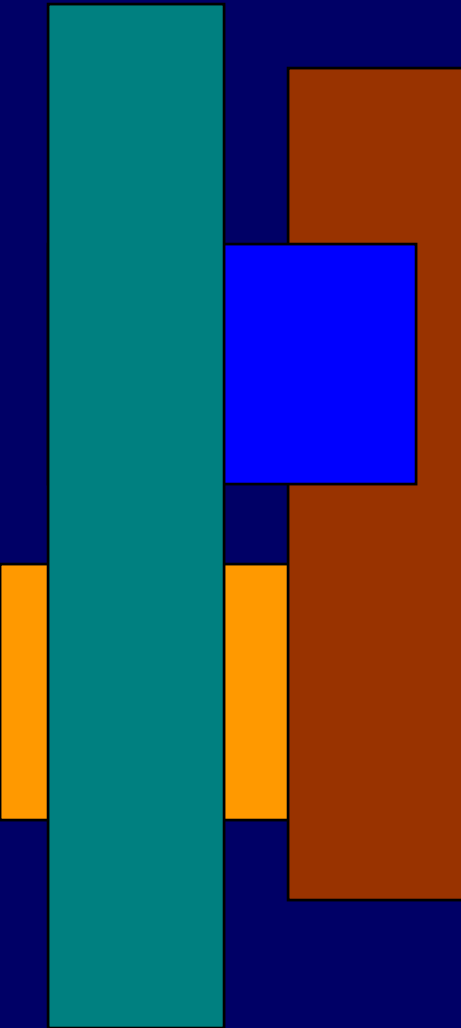
# Hospitalization Data Acquisition for Tracking

**NAHDO Webinar  
December 10, 2009**

Please mute your lines:

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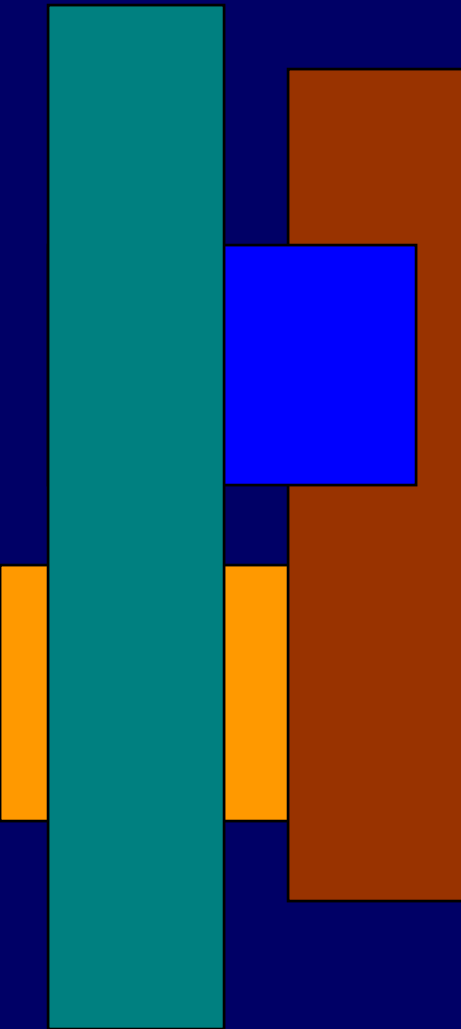
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## Acknowledgement of Support:

- CDC Environmental Public Health Tracking  
NAHDO-CDC Cooperative Agreement,  
***“Establish a Health Data Partnership in  
Environmental Public Health Tracking”***





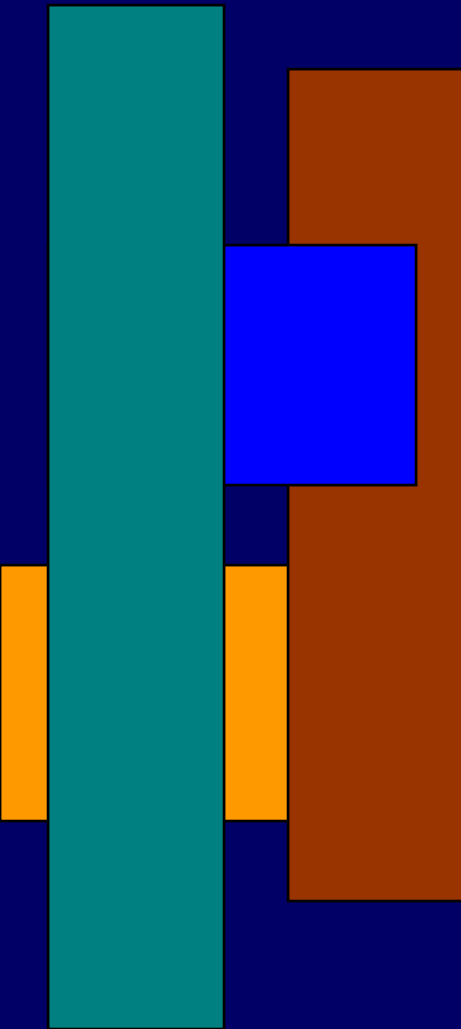
## Agenda

- Overview of state health care data reporting programs
- Uses and limitations of health care data for EPHT
- Lessons learned from the NAHDO and Tracking grantees Proof of Concept, Multistate Health Care Data Sharing Demonstration Project.



# NAHDO and CDC EPHT

- NAHDO through their co-operative agreement with the CDC EPHT aim to:
  - Promote access to and use of statewide hospital inpatient (IP) and emergency department (ED) data for EPHT functions
  - Reduce the barriers to accessing hospital IP and ED data within and across EPHT states
  - Emphasize the integration of health care and environmental data sets and measures
  - Assist Tracking programs to access other health care data sets and fill important data gaps
    - Out of state resident health care data
    - Promote use of street address





# About Hospital Discharge Data

## Who's Collecting the Data?

- Hospital Discharge Data Systems
  - 47 states collect IP data; 40\* states have a legislative mandate to collect this data
  - 29 states collect ED data; 21 states have a legislative mandate to collect

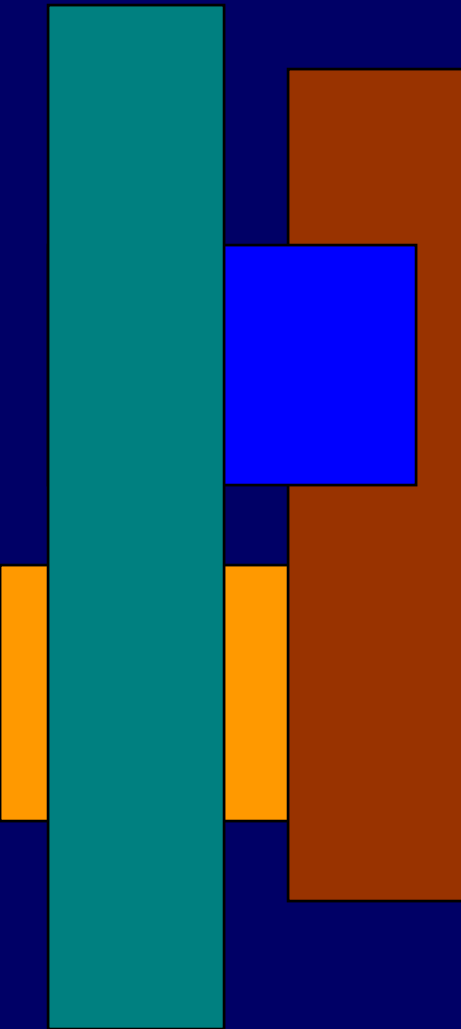
\* Only 39 collect under mandate



# Characteristics of Statewide Discharge Datasets

## ■ Discharge data include;

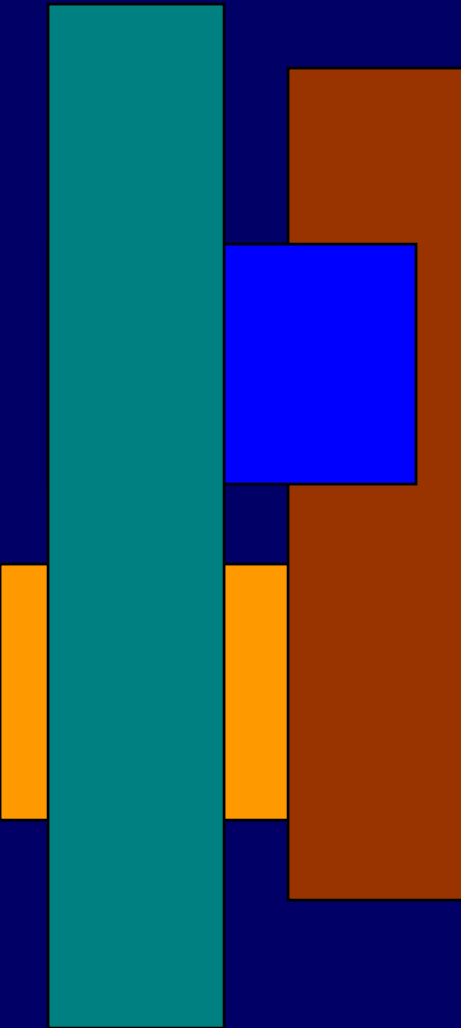
- Patient demographics,
- Source of payment (includes self pay and uninsured)
- Coded diagnoses and procedure information, based on ICD-9-CM standards
- Utilization patterns





# Characteristics of Statewide Discharge Datasets.

- Useful for:
  - morbidity surveillance
  - accountability
  - consumer information
  - policy making
  - market and purchasing
  - quality improvement
  - community assessment





# About Hospital Discharge Data con't.

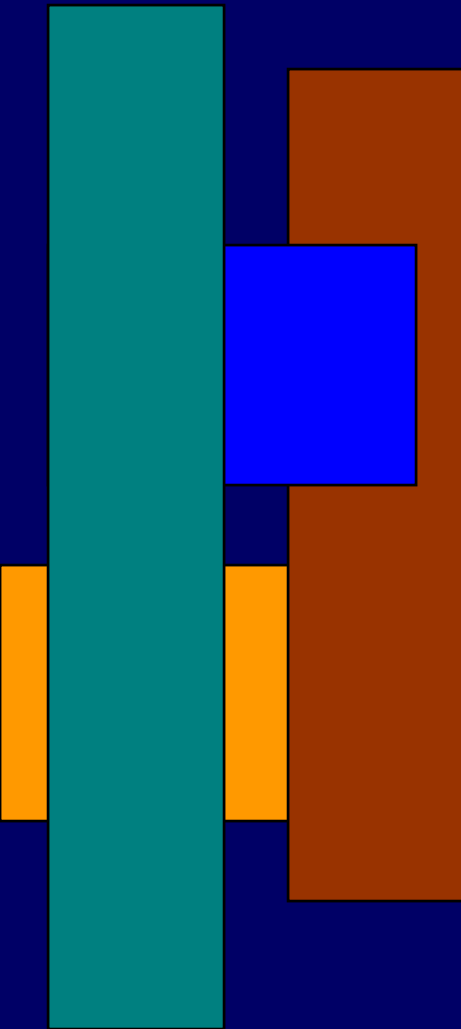
- In general there are **three** models of **governance** for state health data agencies, which may impact release of data and allowable uses:
  1. A **state agency** with a legislative mandate collecting the data.
  2. A **delegated authority**, such as hospital association or private entity, collecting data under a state mandate.
  3. A **private agency**, usually a hospital association, collecting the data voluntarily from its members and community hospitals.





# Strengths of Discharge Data

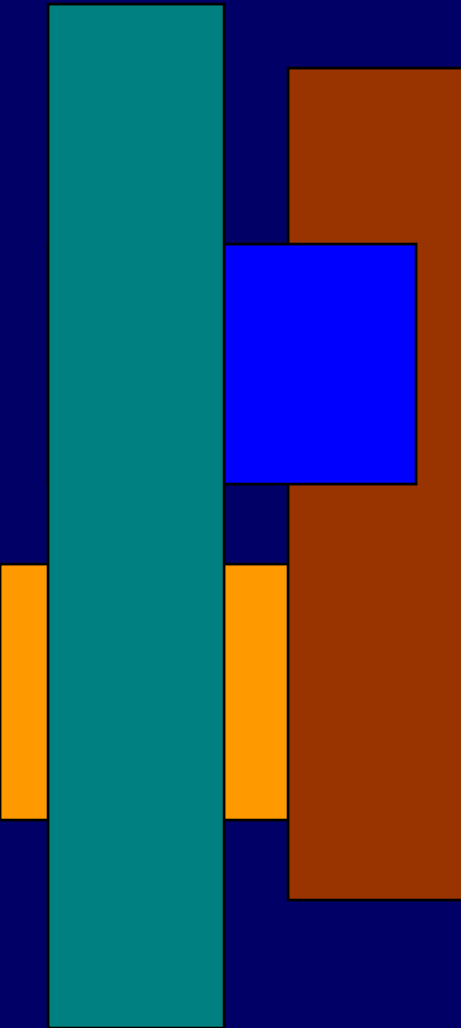
- Available and Accessible
  - Most states
  - History of multiple uses and users
- Reliability and Consistency
  - Not survey or self reported
  - Large numbers
  - Uniform standard format (UB04)





# Strengths of Discharge Data

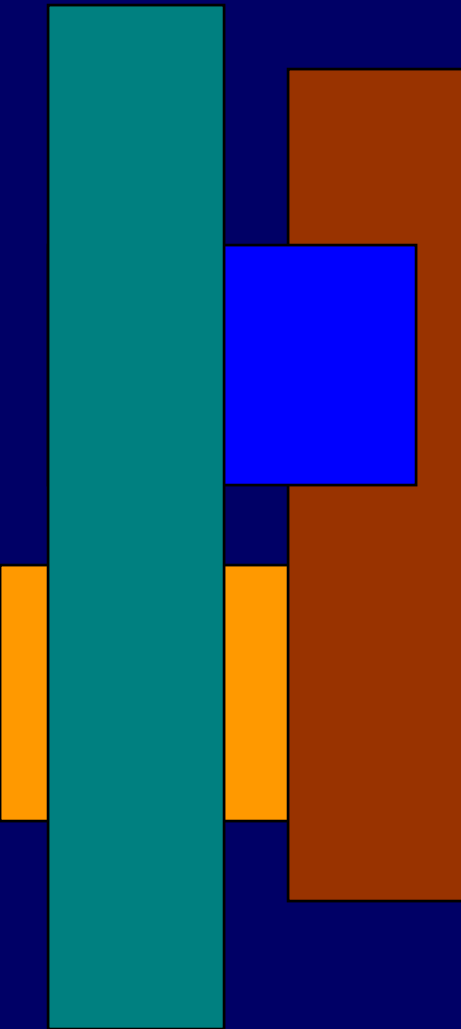
- Scope of Coverage
  - All payer, all patient
- Full acute care admission census Analytic utility
  - Comparable for benchmarks, trend analyses
- Enhancement Potential
  - Linkage





# Limitations of Discharge Data

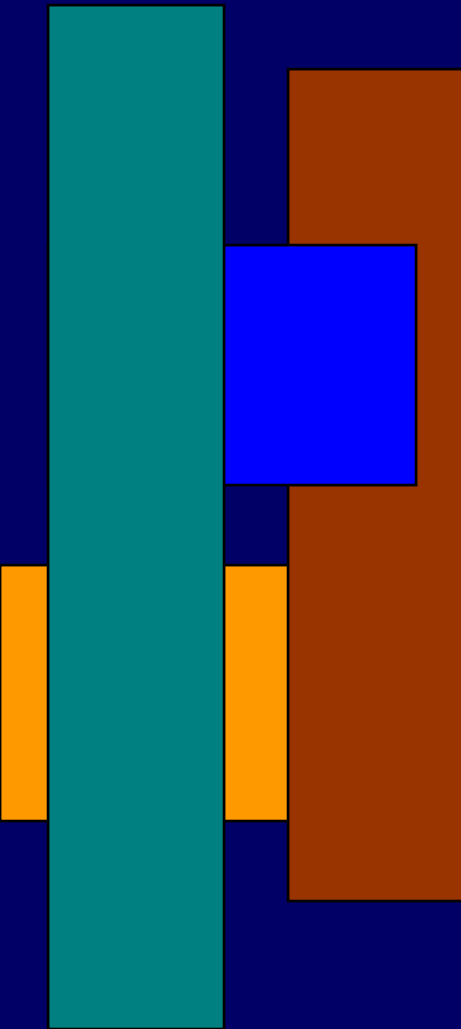
- Release processes and policies vary across states
- Data element issues:
  - Unique patient identifier in some states
  - Patient address in some states
  - E-coding varies
  - Charges only, not paid amount
  - Lack of clinical detail
- Population exclusions:
  - Federal/tribal hospitals in some states
- Timeliness, or lack thereof
- Coding practices vary by hospitals





# Hospital Data Acquisition

- Release practice's vary-usual mechanisms:
  - Data Use Agreements (DUA)
  - Public Use Files (micro data files) (PUF)
  - Research Level Data –IRB
- Institutional policies and law influence:
  - How the end users can access the data
  - What data elements available
  - Linking of data sets
  - Re-release of data
  - Penalties for misuse

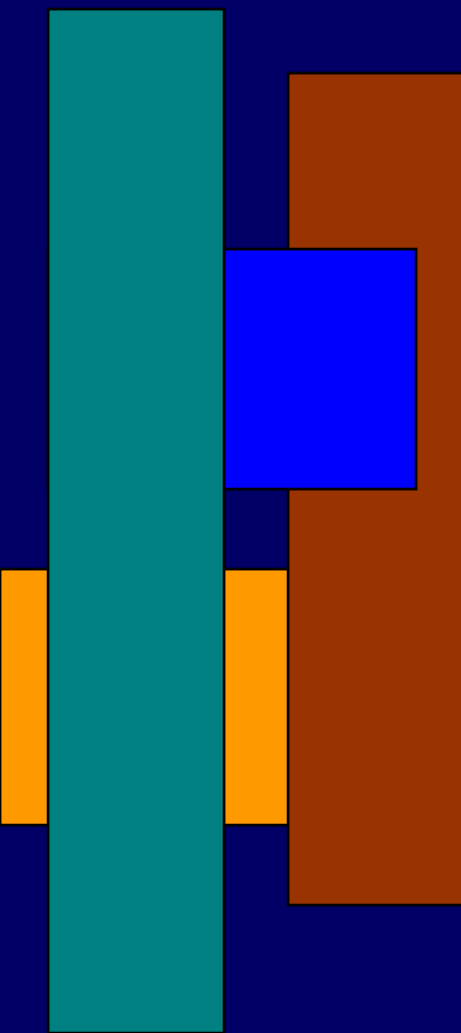




# Multi-State Data Sharing Demonstration Project (Pilot Project)

## ■ Goal

- Identify unique and cross-cutting issues inherent in the hospital data recruitment and acquisition process for the EPHT network
- Contribute toward the development of a common data sharing template for multi-state collection.





# Pilot Project

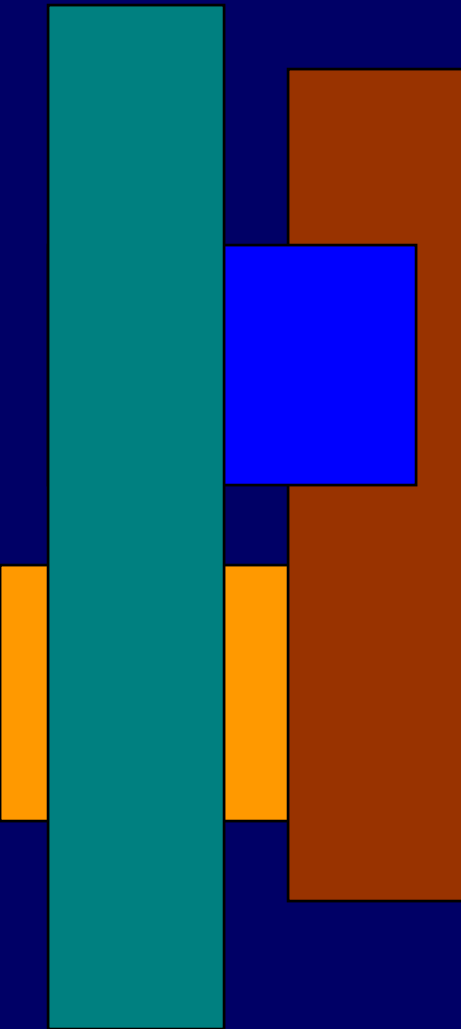
## ■ Objectives

- Facilitate state and local access to IP and ED data and measures
- Facilitate re-release of hospitalization data to the EPHT network
- Develop a process for expedited access to hospitalization data in subsequent years



## Pilot Project: Process

- Recruit volunteer states
- Establish an advisory group to guide pilot activities
- Draft a master memorandum agreement template
- Assist as needed with state Tracking data acquisition issues
- Share results and findings





# Pilot Project: Issues and Challenges

- Out-of-state hospital records for state residents (still an issue)
- Understanding data quality and how states validate/edit their data sets
- Data element issues:
  - Patient address
  - Defining inpatient
- Navigating the legal and institutional constraints to hospital data release
- Data use at the state/national levels: e.g. re-release of data





# Pilot Project

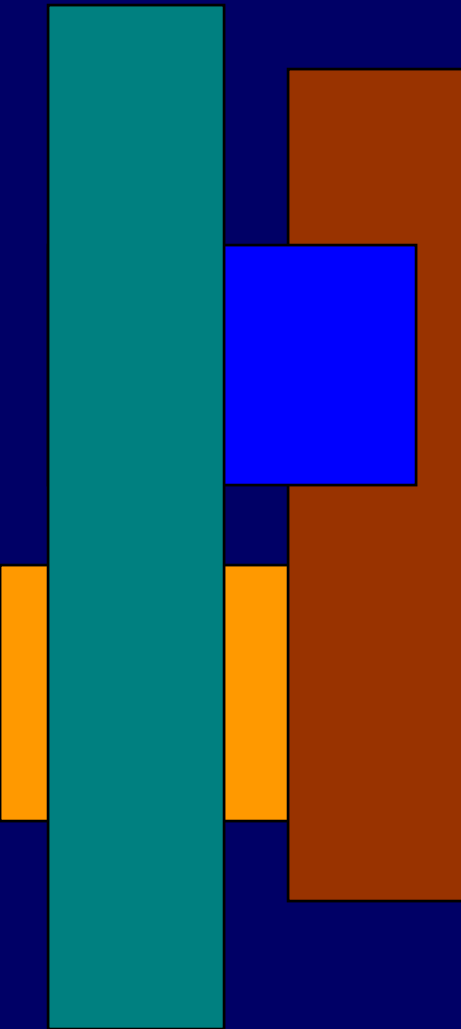
## ■ Success factors

- **Collaboration with data stewards** early on in the project development. Work with them, educate them about your project/program, jointly negotiate terms in the DUA
- Clarity/specificity in **data needs and uses**
- Emphasis of the **national aspects** of the EPHT program. Knowing other states are participating adds legitimacy to the data request and assurance to the data steward
- **NAHDO as a liaison** between some grantees and the state health data program. Technical assistance guidance as grantees face hurdles
- **Model DUA template** served as a starting place in some states
- **Partner with the data steward** to understand the data set and interpret results



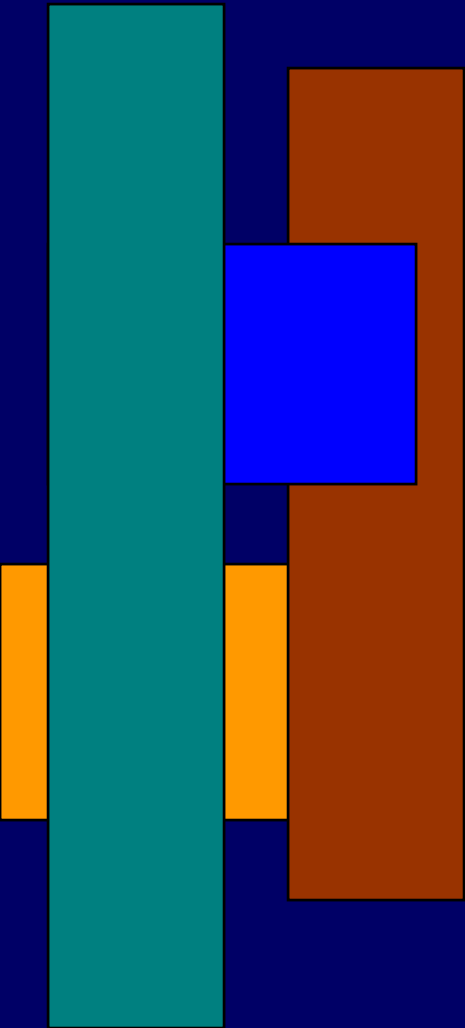
# Slides and next webinar

- Slides from today will be available at [www.nahdo.org](http://www.nahdo.org)
  
- NAHDO is developing a Data Acquisition Toolkit for EPHT purpose. Accessed at <http://www.nahdo.org/PublicHealthResources/CDCEnvironmentalTrackingDataAcquisition/tabid/125/Default.aspx>
  
- Upcoming NAHDO webinar
  - Reporting and Measuring Health Disparities: Evaluation of Quality of Care
  - Thursday, December 17, 3 pm ET





*Data partnerships improve the quality of data as users provide feedback and demand for better data.*





# Thank You

## ■ Hospital discharge data citations/ resources:

- AHRQ HCUP (<http://www.ahrq.gov/data/hcup/>)
- CODES (<http://www-nrd.nhtsa.dot.gov/departments/nrd-30/ncsa/codes.html>).
- Lessons Learned in Using Hospital Discharge Data for State and National Public Health Surveillance: Implications for Centers for Disease Control and Prevention Tracking Program Journal of Public Health Management and Practice Nov-Dec 2008, Vol 14, No 6 p 533-542) Available at [http://journals.lww.com/jphmp/Abstract/2008/11000/Lessons\\_Learned\\_in\\_Using\\_Hospital\\_Discharge\\_Data.5.aspx](http://journals.lww.com/jphmp/Abstract/2008/11000/Lessons_Learned_in_Using_Hospital_Discharge_Data.5.aspx)

## ■ Contact NAHDO

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