CONNECTICUT DATA ● ● ● COLLABORATIVE

~ Changing the Way Connecticut Uses Data ~

Presentation to the Governor's
Cabinet on Nonprofit Health and Human Services
May 24, 2013

Mission

The Connecticut Data Collaborative is a public-private partnership (and program of the New Connecticut Foundation) working to increase the quality and accessibility of up-to-date, relevant data needed to inform effective planning and policy.

Goal: *To advance the use of data and information for public policy, strategic planning, program and service improvement, and public accountability purposes at the state, regional, and local community levels.*

Structure
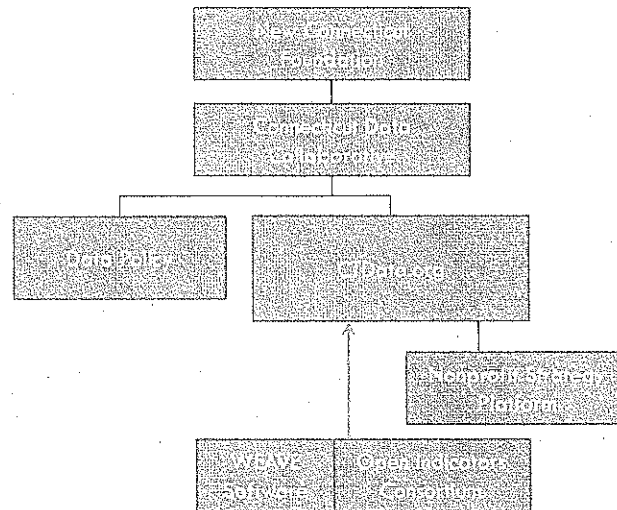
Steering Committee

- Robert H. Aseltine, Jr., Ph.D., University of Connecticut Health Center
- Merle Berke-Schlessel, Esq., United Way of Coastal Fairfield County
- Priscilla F. (Penny) Canny, PhD, The Community Foundation for Greater New Haven
- William Cibes, retired
- James Farnam, Farnam Associates, LLC
- Kimberley Fontaine, Connecticut Health & Educational Facilities Authority
- David Garvey, Ph.D., University of Connecticut
- Elliot Ginsberg, Connecticut Center for Advanced Technology
- Janice M. Gruendel, Ph.D., M.Ed., Department of Children and Families
- Denise Merrill, Connecticut Secretary of the State
- David M. Nee, William Caspar Graustein Memorial Fund
- Richard Porth, United Way of Connecticut
- Bennett Pudlin, The Charter Oak Group, LLC
- Robert W. Santy, Connecticut Economic Resource Center, Inc.

Membership in the Open Indicators Consortium

Arizona (State University of Arizona, Innovation and County Indicators)
Metro Atlanta/Atlanta GA (◆ Neighborhood Nexus Partnership)
Metro Boston/Boston(★ ◆ Metropolitan Area Planning Council and the Boston Indicators Project at the Boston Foundation)
Metro Chicago/Chicago IL (★ ◆ Chicago Metropolitan Agency for Planning)
Columbus/Central OH (◆ Community Research Partners, MORPC)
Connecticut (CERC & CT Data Collaborative (with★ ◆ New Haven★ ◆ Hartford))
Kansas City (★ MARC and ◆ Collaborative) (in process)
MA Dept of Early Education and Care
Michigan Data Collaborative (◆ Grand Rapids / ◆ Detroit) (in process)
Rhode Island (Rhode Island Dept of Education and ◆ the Providence Plan)
Rockford Region Vital Signs★
Seattle/King County Public Health Department ◆
So. Florida Planning Council (including Miami) ★ ◆
Center for Houston's Future
U.S. Centers for Disease Control and Prevention(CDC)
Institute of Portland (OR) Metropolitan Studies
San Antonio Community Information Now - NNIP Partner◆

◆NNIP Partners (13)

★HUD Sustainable Communities Grantee (7)

Funding

□ Start-up support for membership in Open Indicators Consortium from CT Early Childhood Cabinet and William C. Graustein Memorial Fund

□ Three-year grant from CT Health and Educational Facilities Authority for approx. $1 million

□ Individual portal support

□ *Long-term: pursuing additional support to sustain programs*

◻ State Budget (pending), State agencies, Philanthropy, Regional Collaboratives

Initiatives

- CTData.org
  - Houses wide range of data from federal, state, local and private sources relating to health, well-being and economy of Connecticut
  - Provides potential "enterprise solution" across agencies to provide public access to state data.
- CT Nonprofit Strategy Platform
  - Provides access to federal, state and nonprofit agency trend data
  - Designed in partnership with Urban Institute's National Center for Charitable Statistics and United Way of CT / 211. Led by UCONN Nonprofit Leadership Program
- Data Acquisition and Policy

Other Data Initiatives in CT

- CT State Data Center
- CT Health Information Network (CHIN)
- Sectoral Efforts
  - Early Childhood Information System
  - All Payor Claims Database
  - P20-WIN
  - Health Information Exchange
- DSS Integrated Eligibility System (Tiers 1-4) Initiative
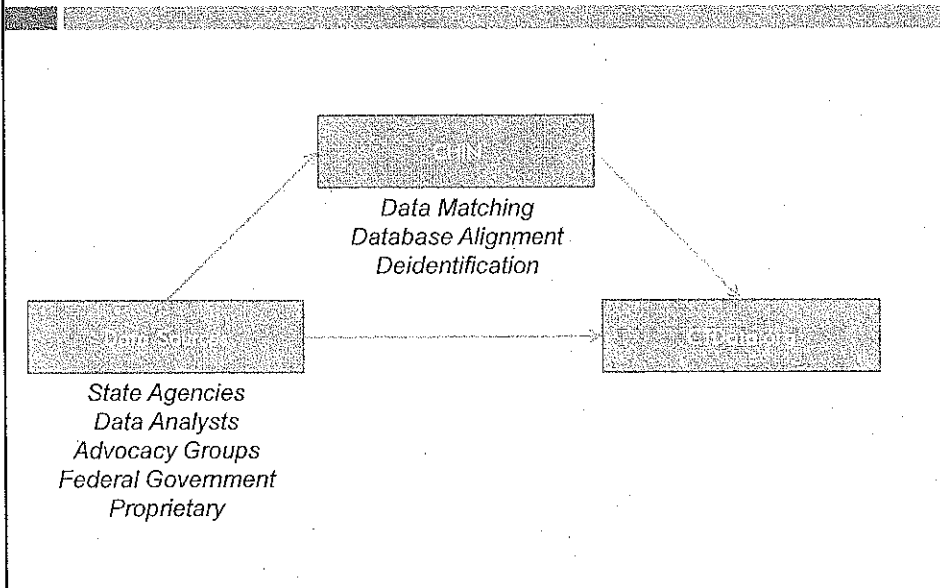- Many Agency and Program-based Efforts

Issue Analysis

- Lack of a coherent overall data plan
- Need for better tools to
  - Support RBA
  - Better measure program goals
  - Support public analysis of important state policy issues
- Need for a State Open Government Initiative or Open Data Strategy modeled on the Obama Administration's efforts
- Redundancy in agencies developing or planning diverse public access query systems to disseminate data with no common approach or standard

Data Security

- Partnering with Connecticut Health Information Network (CHIN) to develop indicators
  - Established in statute PA 07-02
- No individual, identifiable information will be available on CTData.org

Data Security (cont.)

CHIN

Data Matching
Database Alignment
Deidentification

State Agencies
Data Analysts
Advocacy Groups
Federal Government
Proprietary

Connecticut
Health
Information
Network

The Connecticut Health Information Network

Rob Aseltine, PhD

UCONN
HEALTH CENTER
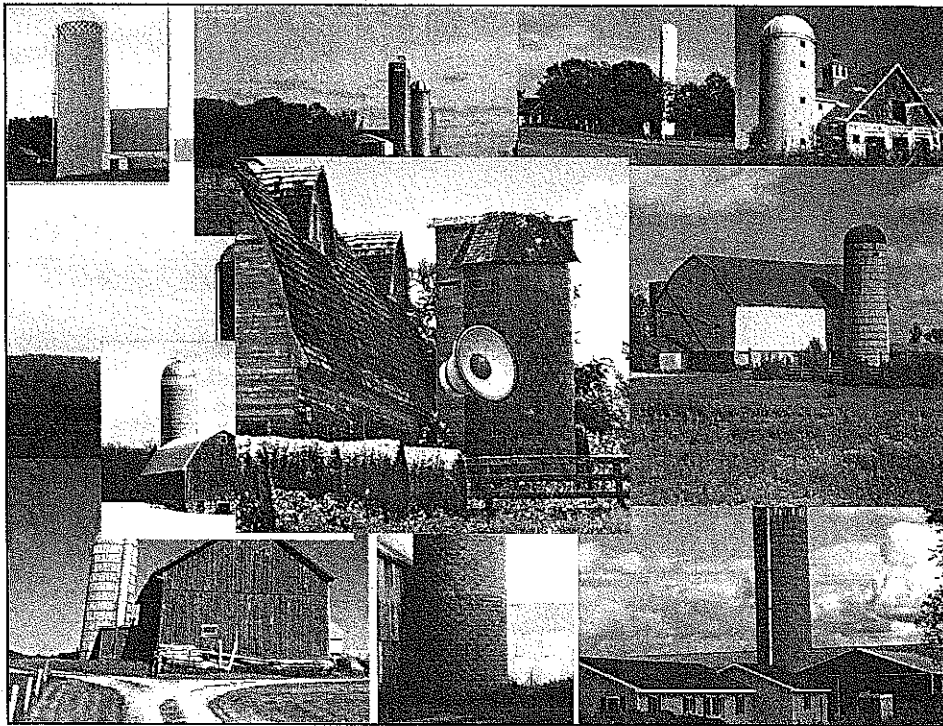
CHIN: A Game of Chutes and Ladders
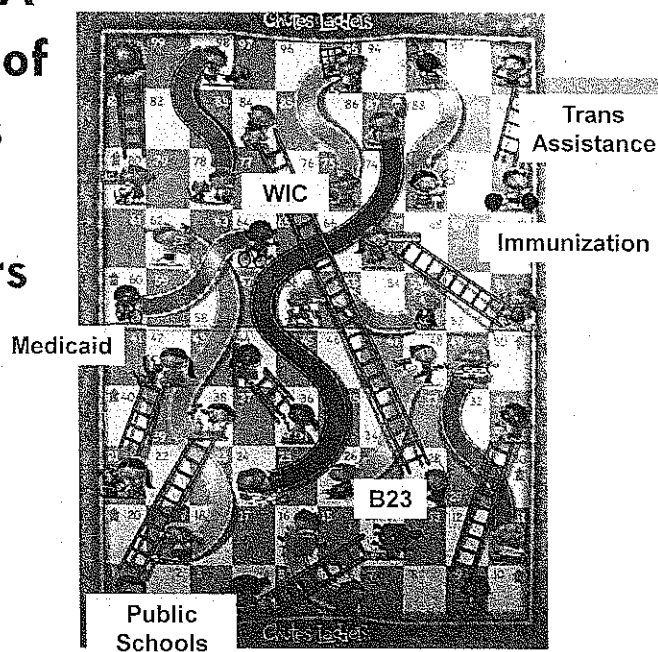
A Detailed Example

Dept. of Social Services
Care4Kids

Last Name	First Name	DOB	Sex	Care Type
Appel	April	01/01/1999	F	FFN
Berry	John	02/02/1997	M	L
Carat	Colleen	03/03/1993	F	L
Ernst	Max	04/04/1994	M	L
Gomez	Gloria	05/05/1995	F	FFN
Hurst	William	06/06/1996	M	L
Keller	Helene	07/07/1997	F	FFN
Martinez	Pedro	08/08/1998	M	FFN
Rodriguez	Felix	09/09/1999	M	FFN
Smith	Peggy	10/10/2000	F	L

Dept. of Developmental Svcs
Birth to Three System

Last Name	First Name	DOB	Street	Town
Allen	Gwen	01/01/1999	Apple	Enfie
Buck	Jerome	07/01/1999	Burbank	West
Cleary	Jane	03/03/1993	Cedar	Tolla
Dory	Daniel	03/03/1993	Dogfish	Hartf
Ernst	Max	04/04/1994	Elm	Enfie
Friday	Joe	11/03/1999	Fruit	Wind
Glenn	Valerie	03/23/1998	Glen	Branf
Martinez	Pedro	08/08/1998	High	Hartf
Riley	Lily	03/03/1996	Ipswich	Bridg
Sanchez	Ramon	03/03/1993	Juniper	New

CT Dept. of Education
PSIS System

Last Name	First Name	CMT Math	Polio Vac Date	Days in Attendance
Appel	April	134	01/05/1999	179
Carat	Colleen	256	05/01/1998	122
Cleary	Jane	268	01/28/2000	178
Ernst	Max	152	01/09/1999	146
Gomez	Gloria	289	01/01/1999	166
Friday	Joe	266	10/01/1999	170
Keller	Helene	309	11/01/2001	180
Martinez	Pedro	248	12/01/2003	180
Riley	Lily	201	01/01/1999	122
Sanchez	Ramon	249	01/01/1999	159

Last Name	First Name	DOB	SEX	Care Type	Street	Town	CMT Math Grade 3	Polio Vaccination Date	Days in Attendance
Ernst	Max	04/04/1994	M	L	Elm	Enfield	152	01/09/1999	146
Martinez	Pedro	08/08/1998	M	FFN	High	Hartford	248	12/01/2003	180

Pi - Probabilistic Integration Software

Care4Kids

LN	FN	DOB	SEX
Ernst	Max	4/14/2001	M

B23

Last Name	First Name	DOB	Gender
Ernst	Max	04/14/2001	1

PSIS

LN	FN	birth	Sex
Ernst	Maximilian	14-Apr-01	Male

"ernstmax041420011"

Pi Processing: Hierarchical Clustering with Error Correction

Two Examples

- **CT Medicaid spending $5.7 Billion FY 2010**

  - Major preventable medical expense = hospital readmissions

  - Medicaid: 2 – 3x rate of 30 day readmissions

  - Why? Patient characteristics, hospital performance, community systems of care? Need to connect APCD, HITE CT, Vital Statistics

- **Early childhood programs cost over $500 million per biennium**

  - No idea what impact they have on child development.

  - Need to connect DSS – DDS – DCF – DPH – OCA

Connecticut's Opportunities

- **CT has multimillion (billion ?) dollar challenges in health and human services**

- **Data to address these challenges exist**

- **CHIN technology is a game changer**

CTData.org Target Audiences

- State agency leaders & staff
- Legislators (results-based accountability)
- Regional/local agency staff (public/private)
- Advocates and partners
- Media
- Communities
  - Municipal leaders
  - Local & multi-town health districts
  - Early childhood planning groups
  - Philanthropy
  - Libraries, CT Library Council

Results We Seek

- Create CTData.org as an "Enterprise Solution" for public access to state agency, federal, and other data
  - In partnership with CT State Data Center and others
  - Access to a wide array of accurate, timely, policy-relevant data
    - inform planning, policy development, and program evaluation
    - across local, regional, and state levels.
- Creation of a learning community of data users and producers
- Efficiency in data development
  - documentation
  - connection of all efforts in state.
- Connecticut Open Data Policy and Practice

Accomplishments

- Established 501(c)(3) foundation to oversee initiatives
- Developing CTData.org, Nonprofit Strategy Platform and six portals to make public data available on one website
- Working with multiple state agencies for data access
  - Early Childhood Portal – across agencies
  - DMHAS - Behavioral Health and Prevention Portal
  - Secretary of The State- Business Registration Portal
  - Exploring Water Quality Portal with DEEP / Foundation
- Producing visualizations of public data
- Creating data standards; promoting and modeling adoption in production and use of data

CT Nonprofit Strategy Platform

- State of Connecticut Contracts $1.5 billion in Social Services with 1,400 Nonprofits

CONNECTICUT NONPROFIT
STRATEGY PLATFORM

Assets
Mapping Assets and Needs
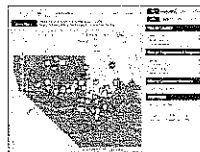
Communication
Community Impact Circles
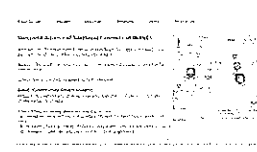
Financials
Financial Analysis of 990s
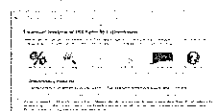
Education
Results Based Accountability

Turning the Curve

CT Nonprofit Strategy Platform

- State of Connecticut Contracts about $1.4 billion in Social Services with 900 Nonprofits
- Interconnection between State data and Nonprofit Agency Data for Public Policy Decision Making
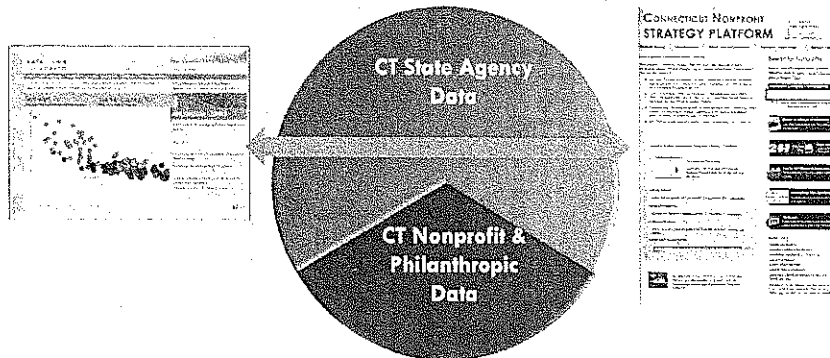
CTData.org Data Portals

Topical
- Early Childhood (Graustein Memorial Fund/Discovery)
- DMHAS Behavioral Health Prevention
- CT Commission on Health Equity
- Rural Health (CT Office of Rural Health)
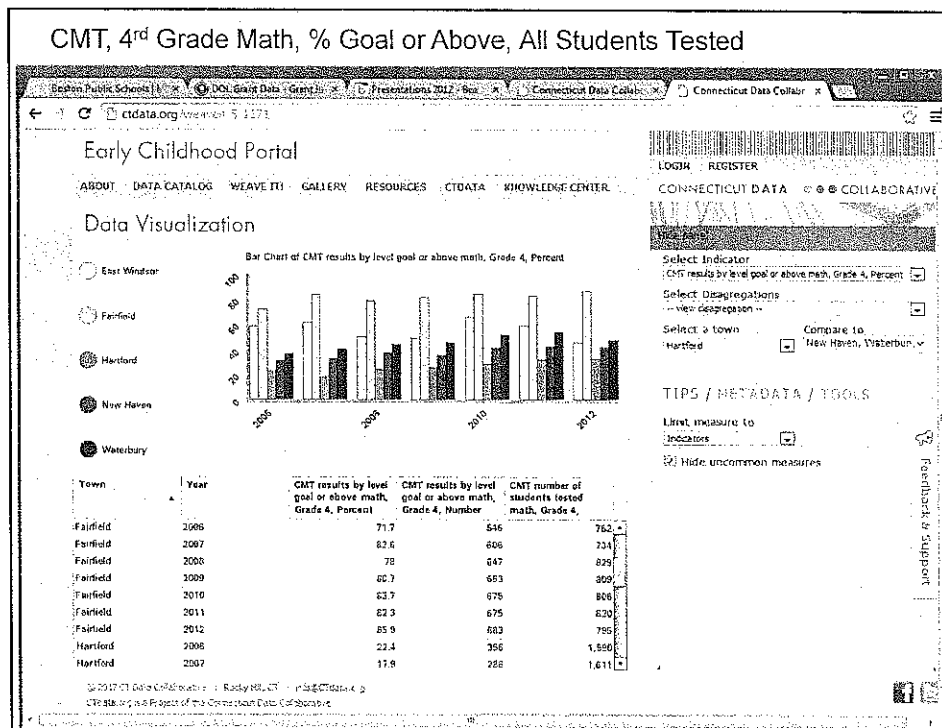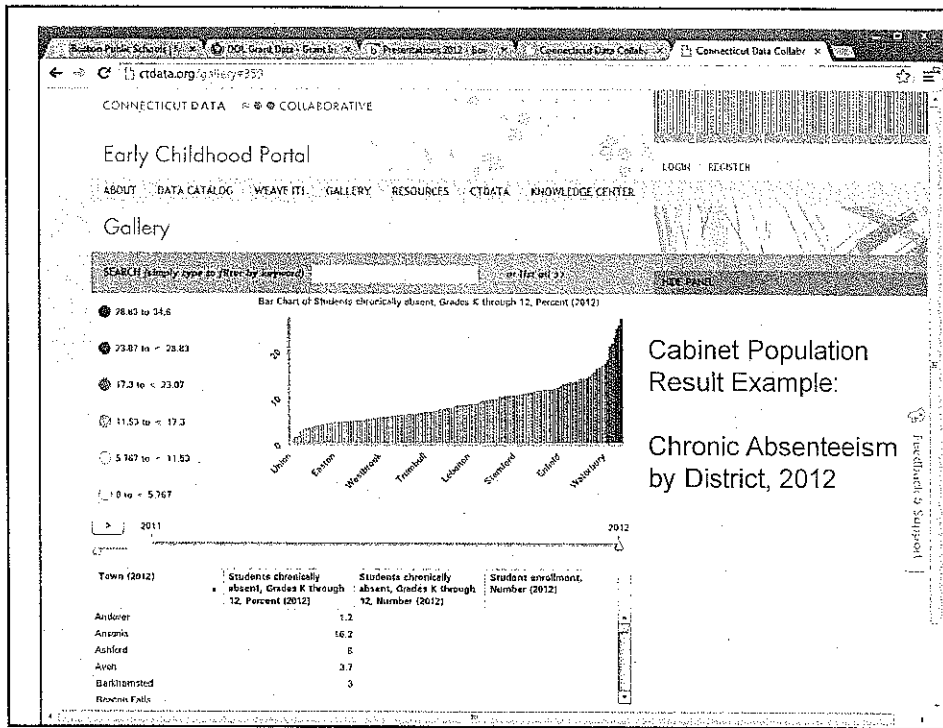- Municipal Fiscal Indicators
- SOTS Business Registration and Voting (in development)

Geographic
- Coastal Fairfield County Community
- South Central CT (DataHaven)

Data Catalog

Easy Access and Search Filters

Pre-Set Visualizations For Beginners

Cabinet Population Result Example:

Chronic Absenteeism by District, 2012

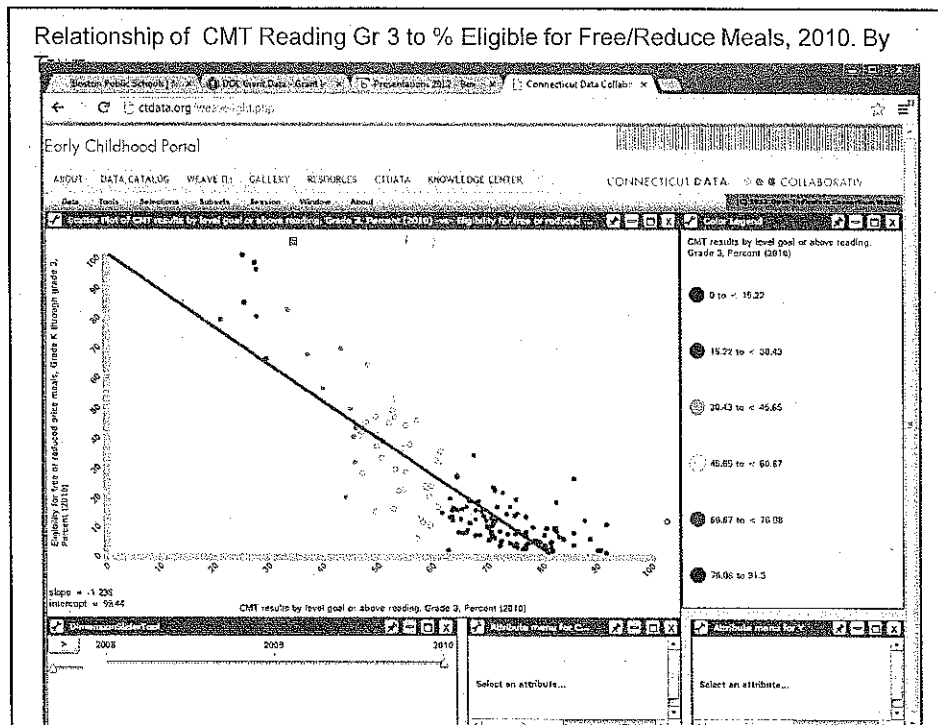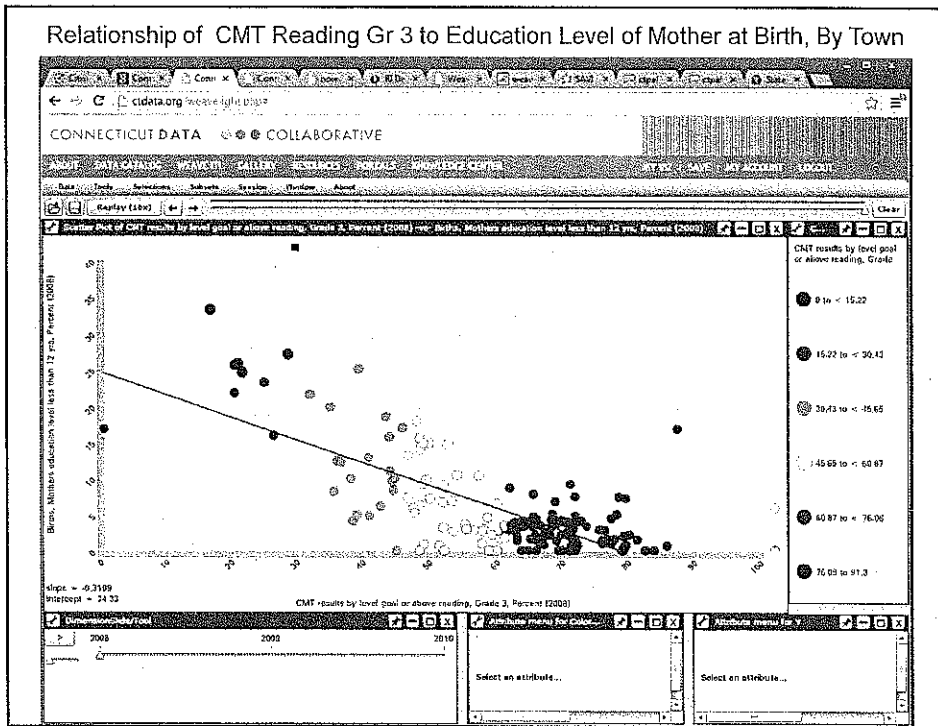CMT, 4rd Grade Math, % Goal or Above, All Students Tested

CMT, 4rd Grade Math, % Goal or Above, Students w/ Free and Reduced Meals
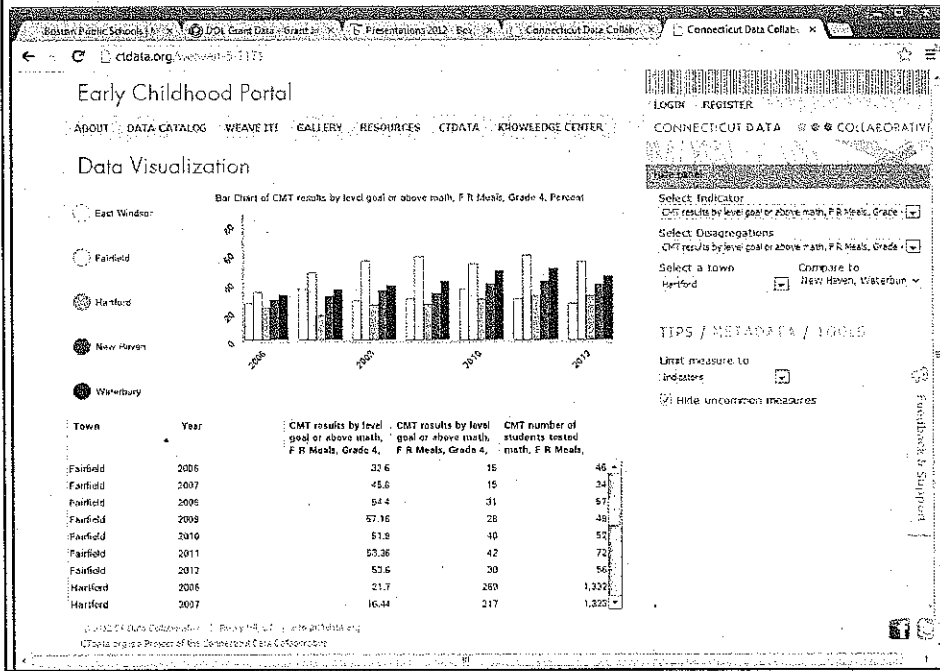
Municipal Finance Analysis

Relationship of CMT Reading Gr 3 to Education Level of Mother at Birth, By Town
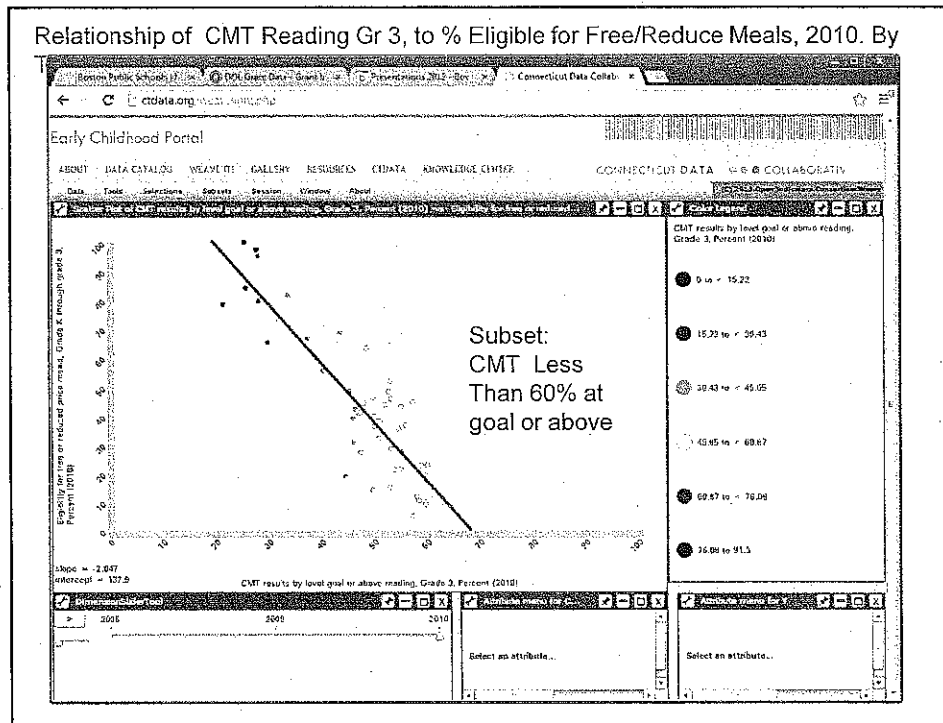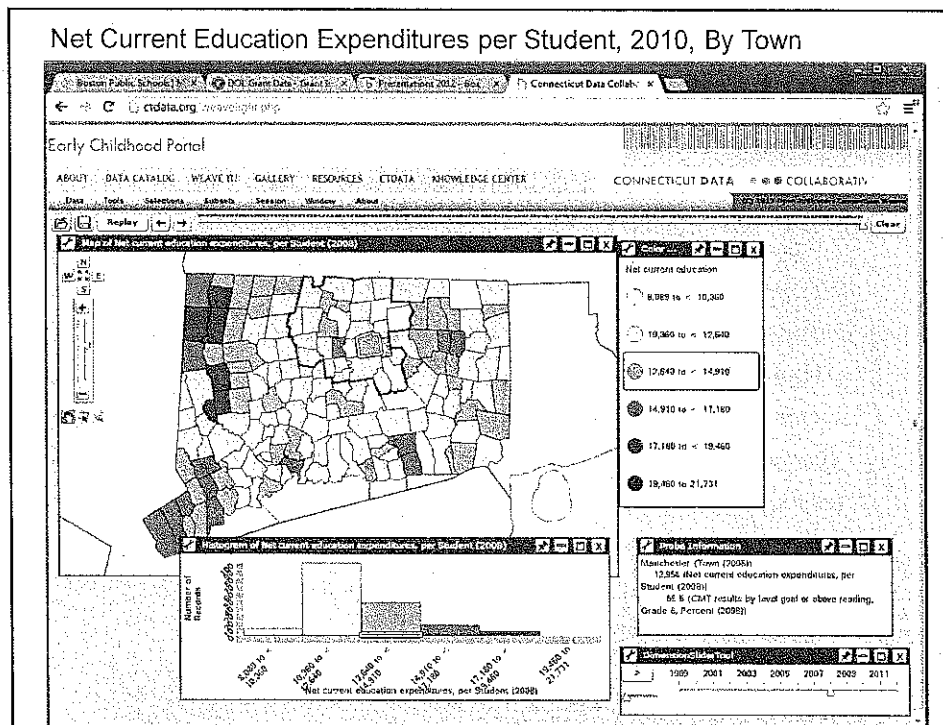

Relationship of CMT Reading Gr 3 to % Eligible for Free/Reduce Meals, 2010. By
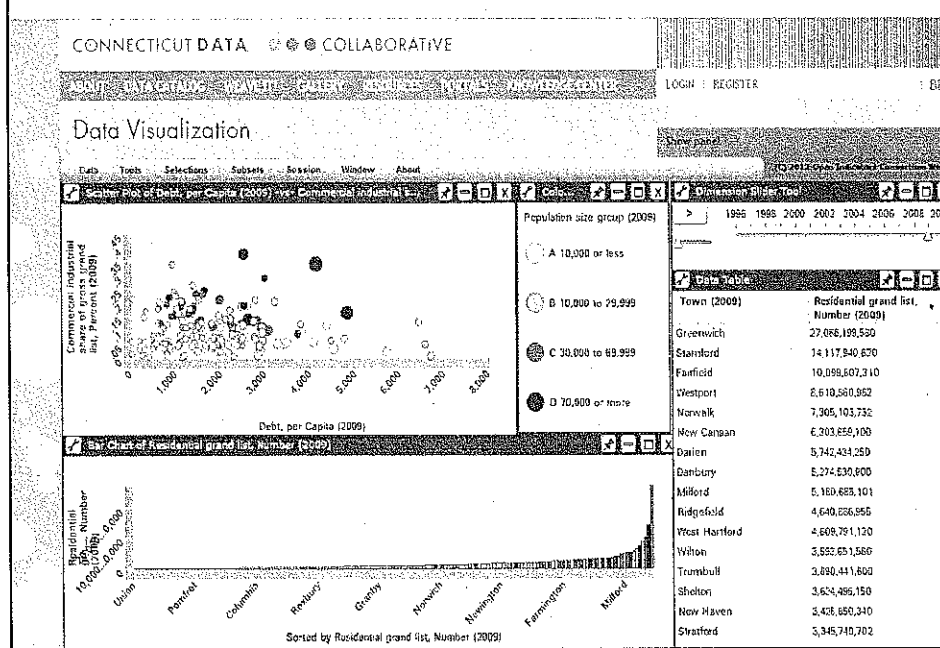
Relationship of CMT Results to % Eligible for Free/Reduce Meals, 2010. By Town
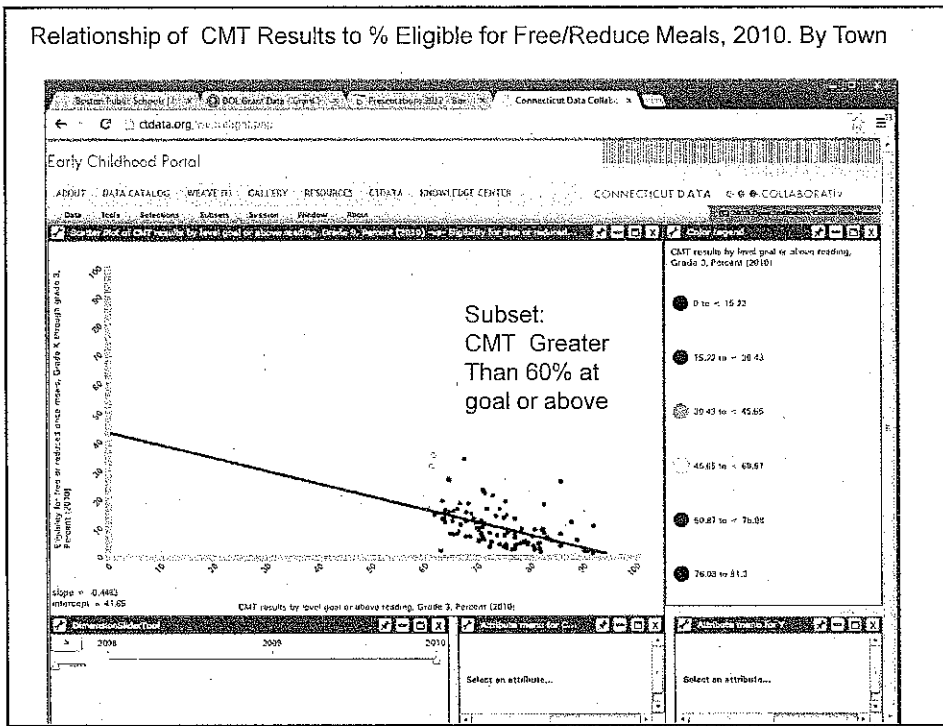
Subset: CMT Greater Than 60% at goal or above

Relationship of CMT Reading Gr 3, to % Eligible for Free/Reduce Meals, 2010. By T

Subset: CMT Less Than 60% at goal or above

Net Current Education Expenditures per Student, 2010, By Town

Metrics

- Data available
  - CTData.org – approx. 1,900 indicators
  - Nonprofit Platform – data on 21,000 nonprofits
- Engaged Users
  - 340 registered users
  - Average of 600 unique users per month (CTData.org)
  - Attendance at Conferences (2 – 250) / Webinars (125)
- Partnerships
  - State Agencies engaged (varying levels): 15
  - Funders engaged: Nine funders

Short Term Goals

□ Expand data available on CTData.org/Nonprofit Platform
- □ Negotiation of Data access agreements with State agencies
- □ Document, update and expand data currently available
□ Pursue Indicator/Report Card Initiatives
- □ Population Results Workgroup – NP HHS Cabinet
- □ Connecticut Children's Report Card
□ Continue to Refine Web Site based on feedback, partner needs, Weave improvements
□ Engage More Users
- □ CT Data Conferences / Training with webinars
- □ New User friendly tools

Long Term Goals

□ Add value to public data through single point of entry and visualization
□ Help state agencies analyze and measure program effectiveness
□ Help state agencies meet public data distribution goals
□ Adoption of open government and open data policies by the state
□ Incorporate into results-based accountability process
□ Sustainability

What are our next steps with the Cabinet?

- Move ahead with Population Results Workgroup
  - Co-design effective access and display
  - Tap CHIN Capacity for Indicator Development
- Accelerate discussions on Data Access
- Agree on critical data sets to test interoperability and population level results