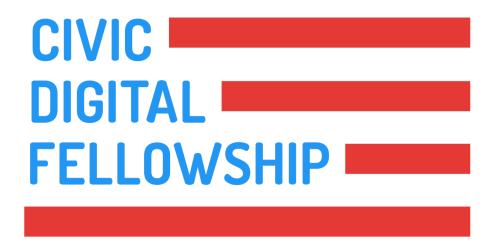
Enhancing Health Data: Developing Dashboards of Social Health Indicators



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Supervisor: Victoria Udalova

Division: Associate Director for Demographic Programs (ADDP), Enhancing Health Data

(EHealth) Program





The Problem: A Need for Data Visualization Tools and Processes in EHealth

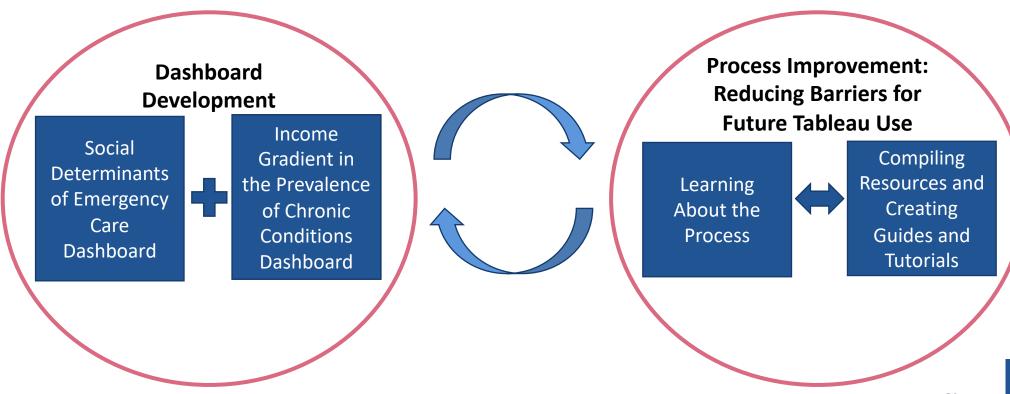
Why Might a Program Like EHealth Benefit From Interactive Data Visualization Tools?

- Powerful means of concisely sharing and summarizing large amounts of data currently living in reports
- Increasing the accessibility and digestibility of data
- Potential to reach and meaningfully engage more users
- Ability to showcase and share program's work to increase program awareness and impact

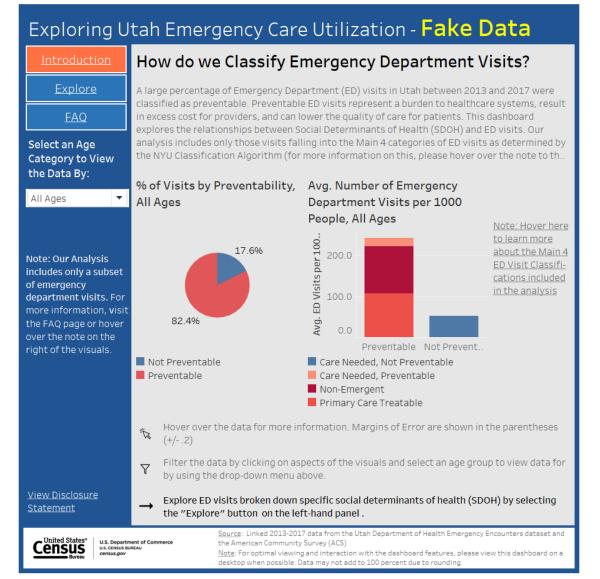




The Problem-Solving Process: Creating Data Visualization Tools and Improving the Processes within EHealth

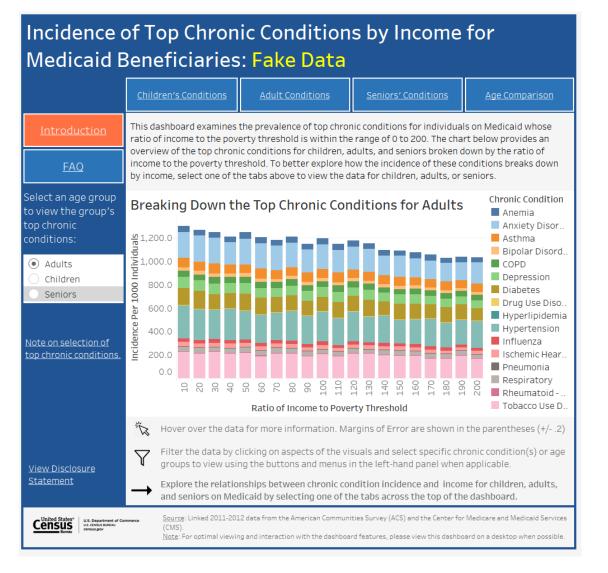


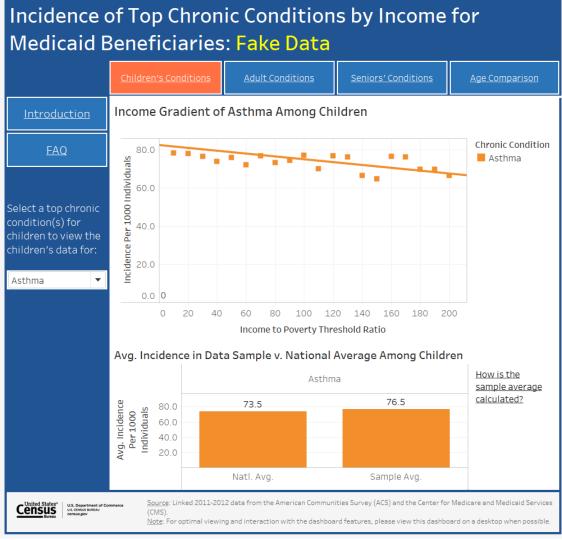
Social Determinants of Emergency Care Dashboard



Exploring Utah Emergency Care Utilization - Fake Data How does Household Income Decile Affect Emergency <u>Introduction</u> Care Utilization in Utah? Avg. Number of Emergency Department Visits per 1000 People, All Ages Primary Care Care Needed, Care Needed, Not Non-Emergent Select an Age Treatable Preventable Preventable Category to View 300.0 the Data By: All Ages **ED Visits** Select a Demographic to View the Data by: Household Inco... ▼ Filter by Demographic Category. Hint: ■ Non-Emergent Care Needed, Preventable select "All" to see Primary Care Treatable Care Needed, Not Preventable initial data if the screen is blank. Preventable Visits per 1000 % of Visits by Preventability, People, All Ages All Ages Categories Household Income Decile Household Income Decile Preventability ✓ (AII) ✓ 1st Decile 1st Decile 137.8 ^ Preventable 117.9 2nd Decile 2nd Decile ✓ 2nd Decile 3rd Decile 102.3 ✓ 3rd Decile 4th Decile 80.1 4th Decile 5th Decile 70.2 0.0% 100 0% 5th Decile 6th Decile 56.6 % of Visits 61.7 Census the American Community Survey (ACS)

Income Gradient in Prevalence of Chronic Conditions Dashboard





Deliverables and Next Steps

Deliverables

- Social Determinants of Emergency Care Dashboard
- Income Gradient in Prevalence of Chronic Conditions Dashboard
- EHealth Tableau Starter Guide
- EHealth Tableau Dashboard Review and Publication Guide
- Step-by-step guides to recreate dashboards to aid in potential revisions

Next Steps

- Project hand-off to new EHealth Tableau users to continue to expand data visualization capabilities within EHealth
- Continued refinement of dashboards and guides



