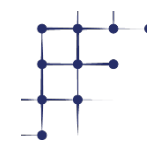
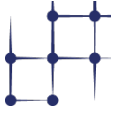




I2D2 COUNTY-LEVEL INDICATORS

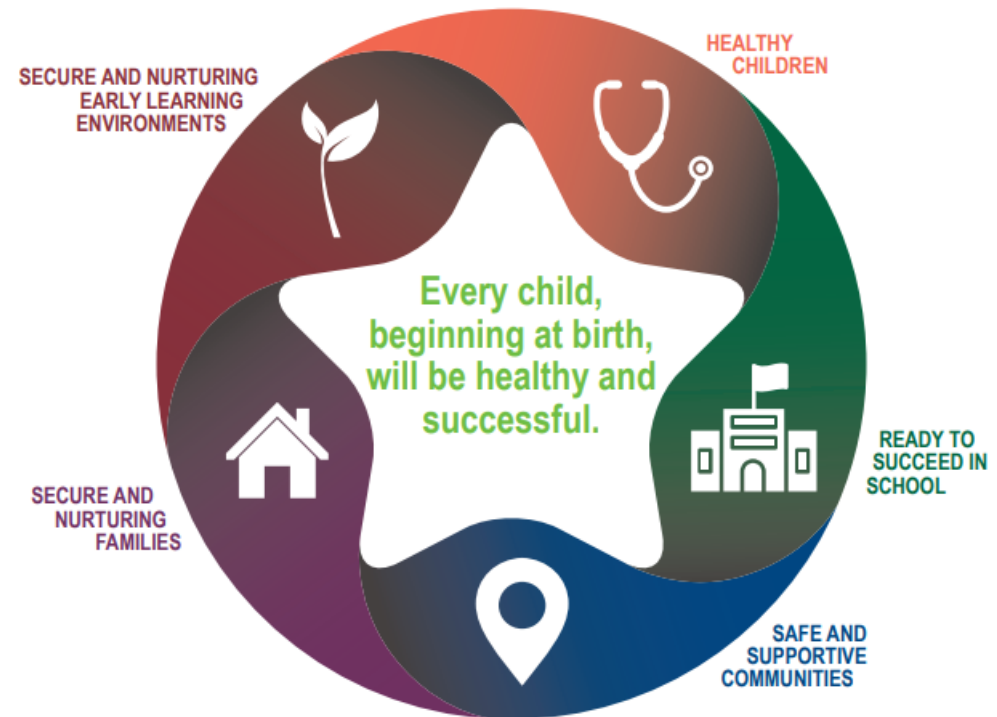


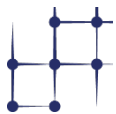


ECI STATE-WIDE INDICATORS

Improving the quality of life for young children and their families in Iowa

- Five desired results
- 16 state-wide indicators to determine progress toward achieving the result areas
- Usually collected by public agencies





ECI STATE-WIDE INDICATORS

DESIRED RESULTS

State-Wide INDICATORS



HEALTHY CHILDREN

Low birth weight
Immunized children
Dental services



CHILDREN READY TO SUCCEED IN SCHOOL

Early Literacy Skills
Educational attainment of women age 15-50 with a birth in the last 12 months



SAFE AND SUPPORTIVE COMMUNITIES

Crime Rate/Juvenile Crime
Child Deaths due to Unintentional Injuries
Unemployment rate
Percent of children under age 6 living in poverty



SECURE AND NURTURING FAMILIES

Incidence of child abuse
Teen births
Domestic violence rate



SECURE AND NURTURING EARLY LEARNING ENVIRONMENTS

Quality early learning environments
Availability of child care
Percent of households with children under age six with all parents in the workforce

MIECHV Benchmarks



Improved Maternal and Newborn Health



Improved School Readiness and Achievement



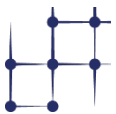
Reduced Crime or Domestic Violence



Reduced Child Injuries, Abuse, and Neglect

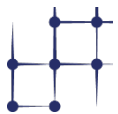


Improved Family Economic Self-sufficiency



CHALLENGES WITH STATE-WIDE INDICATORS

- State-wide indicators are valuable, but do not reflect county-specific challenges
- Disaggregation of ECI indicators by county:
 - Will shed light on any inequities between counties and provide more comprehensive understanding of the factors limiting child wellbeing
 - Will enable stakeholders and decision-makers within a country to implement more accurately targeted intervention
- Data are scattered across multiple agencies and platforms (in diverse formats) requiring intensive data processing



I2D2 DATA DRIVE

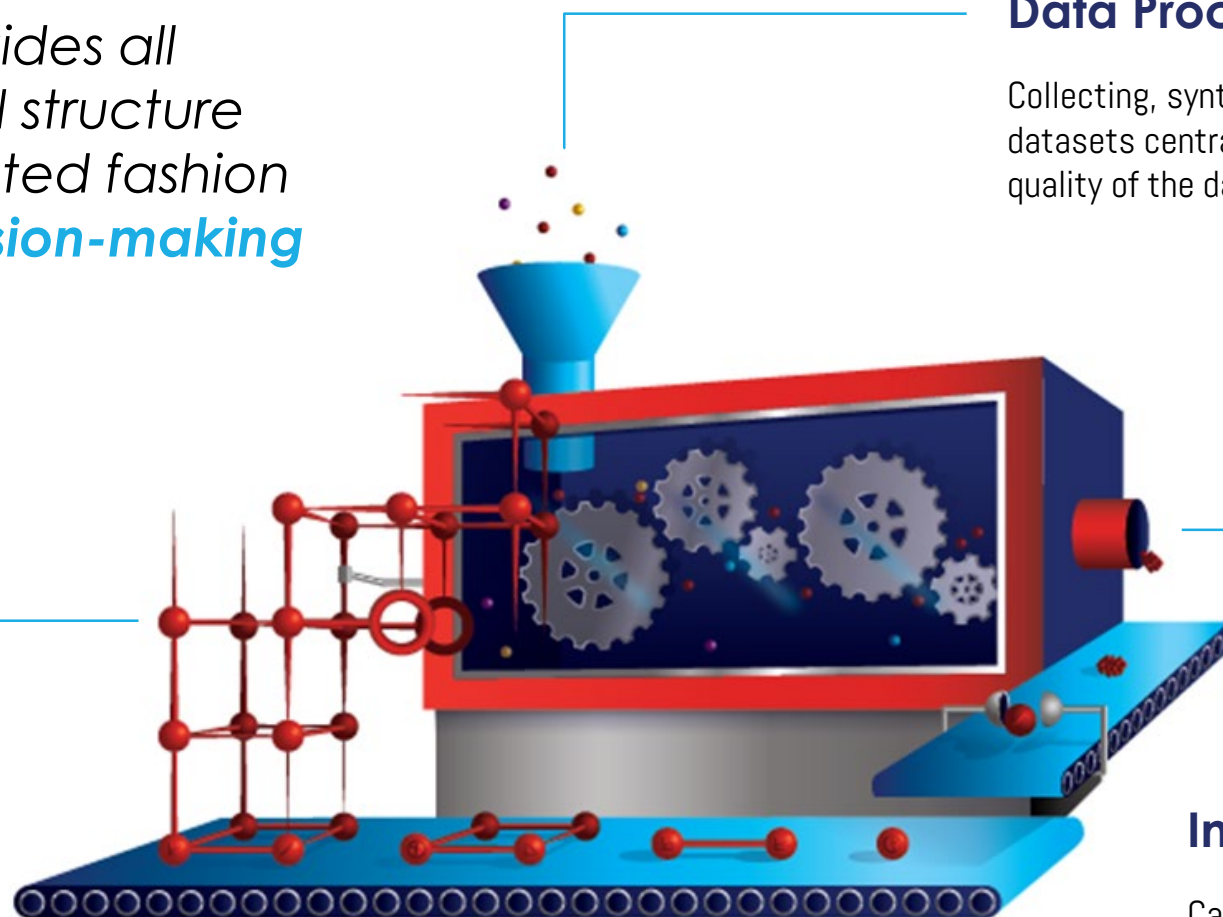
Data hub** that provides all relevant info in well structure and fully documented fashion to **drive local decision-making

Empowering Interface

Providing interface to interact, visualize and retrieve compiled datasets for further use

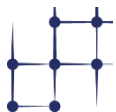
Data Processing

Collecting, synthesizing and updating datasets centrally, thus warranting high quality of the data



Indicator Computation

Calculating indicators in a consistent manner to ensure uniformity across all counties

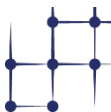


I2D2 INDICATORS

- Total of **104** indicators
 - Includes all (16) ECI indicators
 - Encompasses 17 of 23 MIECHV indicators
- Currently developing **21** indicators
 - Comprises 14 of ECI indicators
 - Overlaps with 10 of MIECHV indicators

6 Indicators Unique to MIECHV

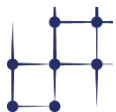
- 3rd Trimester smoking
- 3rd Trimester alcohol use
- Income inequality
- Alcohol and drug-related crime
- Opioid-related hospitalizations
- Medicaid-reimbursed births



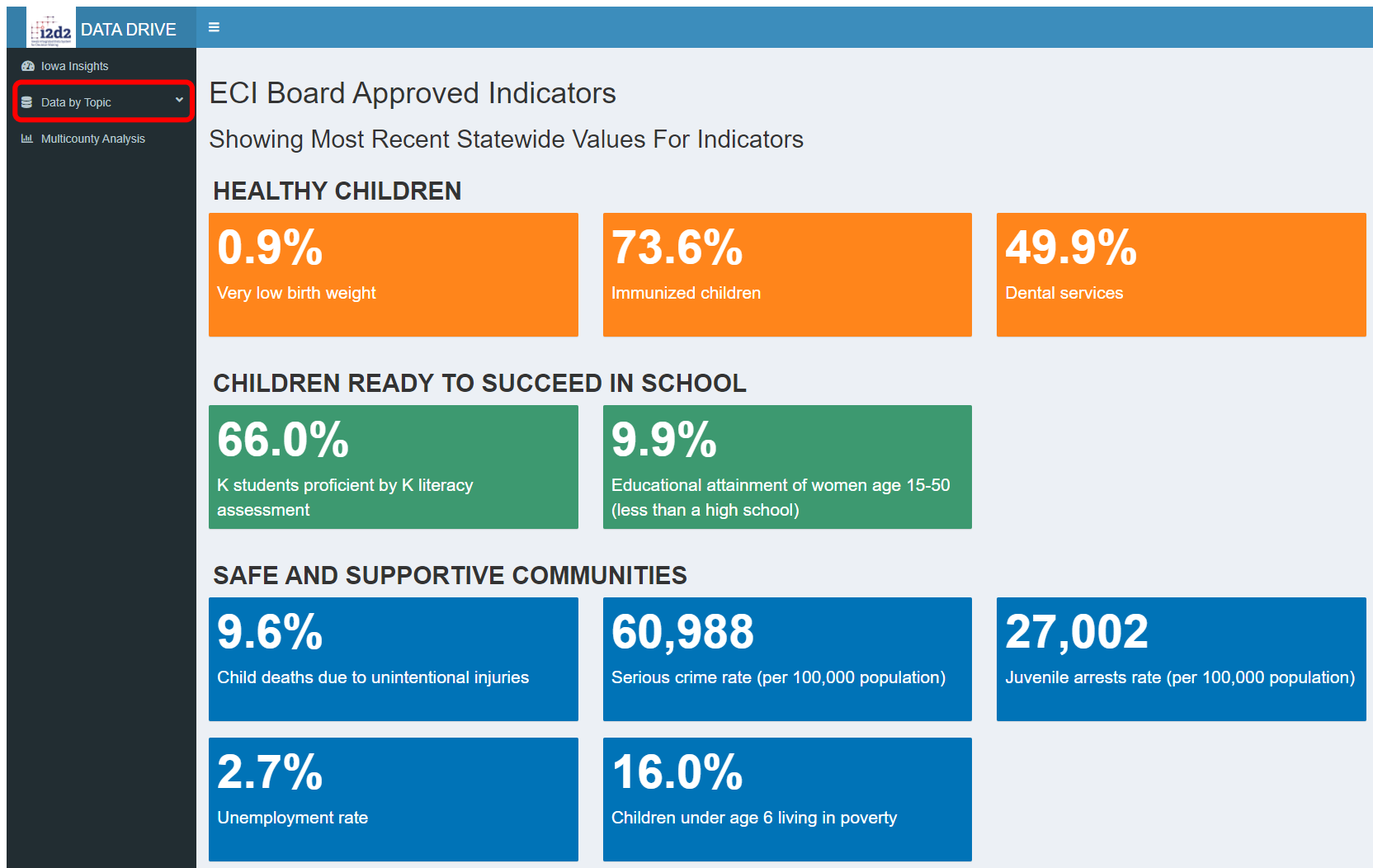
#	Indicator	Definition	ECI	MIECHV	MIECHV Names of Indicators
1	Low Birth Weight	Percentage of babies born who weigh under 2,500 grams (5lbs. 9 oz.)	✓	✓	Low Birth Weight
2	Immunized Children	Rate of children immunized in Iowa by age 2	✓		
3	Early Literacy Skills	Percent of kindergartners meeting the Fall benchmark for the early literacy universal screening measure	✓		
4	Educational Attainment of Mothers	Percentage of women age 15–50 with a birth in the past 12 months by educational attainment (less than high school, high school graduation, some college, bachelor's degree or higher)	✓	✓	Maternal Education
5	Crime Rate	Rate of serious crime per 100,000 population	✓	✓	Crime
6	Juvenile Crime	Total juvenile arrests per 100,000 estimated juvenile population	✓	✓	Juvenile Crime
7	Unemployment Rate	Percentage of unemployed persons	✓	✓	Unemployment
8	Children in Poverty	Percentage of children, under 6, who live in families with incomes below 100 percent of the U.S. poverty threshold.	✓	✓	Child Poverty
9	Incidence of Child Abuse	Child Abuse Incidence Rate per 1,000 for children 5 years and under.	✓	✓	Child Abuse and Neglect
10	Domestic Violence Rate	Domestic abuse rate per 100,000	✓	✓	Domestic Violence
11	Teen Births	Number and percentage of all births to mothers under age 20.	✓	✓	Teen Births
12	Working Parents	Percentage of children under 6 years with all parents in the labor force.	✓		
13	Quality Early Learning Environments	Number of quality early learning environments that have achieved a QRS level 4–5.	✓		
14	Availability of Child Care	Number of slots potentially available for a child in a licensed or registered setting.	✓		
15	Children with No Dental Problems	Percentage of students in Kindergarten with no obvious dental problems			
16	Availability of Medicaid Doctors	Number of pediatricians that accept Medicaid for services			
17	Availability of Medicaid Dentists	Number of dentists that accept Medicaid for services.			
18	Children with Health Coverage	Number and percentage of minor children with health coverage by income and poverty level.			
19	Homelessness count	Sheltered and unsheltered point in time counts of homeless individuals.			
20	Poverty	Percentage of all people in poverty.		✓	Poverty
21	Family Support Programs	Percentage of accredited family support programs.			

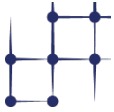


#	Indicator	Definition	ECI	MIECHV	MIECHV Definition
1	Low Birth Weight	Percentage of babies born who weigh under 2,500 grams (5lbs. 9 oz.)	✓	✓	Percentage of live births weighing at less than 5.5 pounds at the time of birth
2	Immunized Children	Rate of children immunized in Iowa by age 2	✓		
3	Early Literacy Skills	Percent of kindergartners meeting the Fall benchmark for the early literacy universal screening measure	✓		
4	Educational Attainment of Mothers	Percentage of women age 15–50 with a birth in the past 12 months by educational attainment (less than high school, high school graduation, some college, bachelor's degree or higher)	✓	✓	Percentage of mothers who gave birth who have a high school education
5	Crime Rate	Rate of serious crime per 100,000 population	✓	✓	Crime rate per 1,000 people
6	Juvenile Crime	Total juvenile arrests per 100,000 estimated juvenile population	✓	✓	Juvenile arrest rate per 1,000 juveniles
7	Unemployment Rate	Percentage of unemployed persons	✓	✓	Percentage of labor force population who are unemployed
8	Children in Poverty	Percentage of children, under 6, who live in families with incomes below 100 percent of the U.S. poverty threshold.	✓	✓	Percentage of population under 18 who live in poverty
9	Incidence of Child Abuse	Child Abuse Incidence Rate per 1,000 for children 5 years and under.	✓	✓	Rate of children age 0–17 who are confirmed to have been abused or neglected during the year per 1,000 children
10	Domestic Violence Rate	Domestic abuse rate per 100,000	✓	✓	Domestic abuse rate per 100,000 people
11	Teen Births	Number and percentage of all births to mothers under age 20.	✓	✓	Number of births per 1,000 female population ages 15–19
12	Working Parents	Percentage of children under 6 years with all parents in the labor force.	✓		
13	Quality Early Learning Environments	Number of quality early learning environments that have achieved a QRS level 4–5.	✓		
14	Availability of Child Care	Number of slots potentially available for a child in a licensed or registered setting.	✓		
15	Children with No Dental Problems	Percentage of students in Kindergarten with no obvious dental problems			
16	Availability of Medicaid Doctors	Number of pediatricians that accept Medicaid for services			
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20	Poverty	Percentage of all people in poverty.		✓	Percentage of population for all ages who live in poverty
21	Family Support Programs	Percentage of accredited family support programs.			

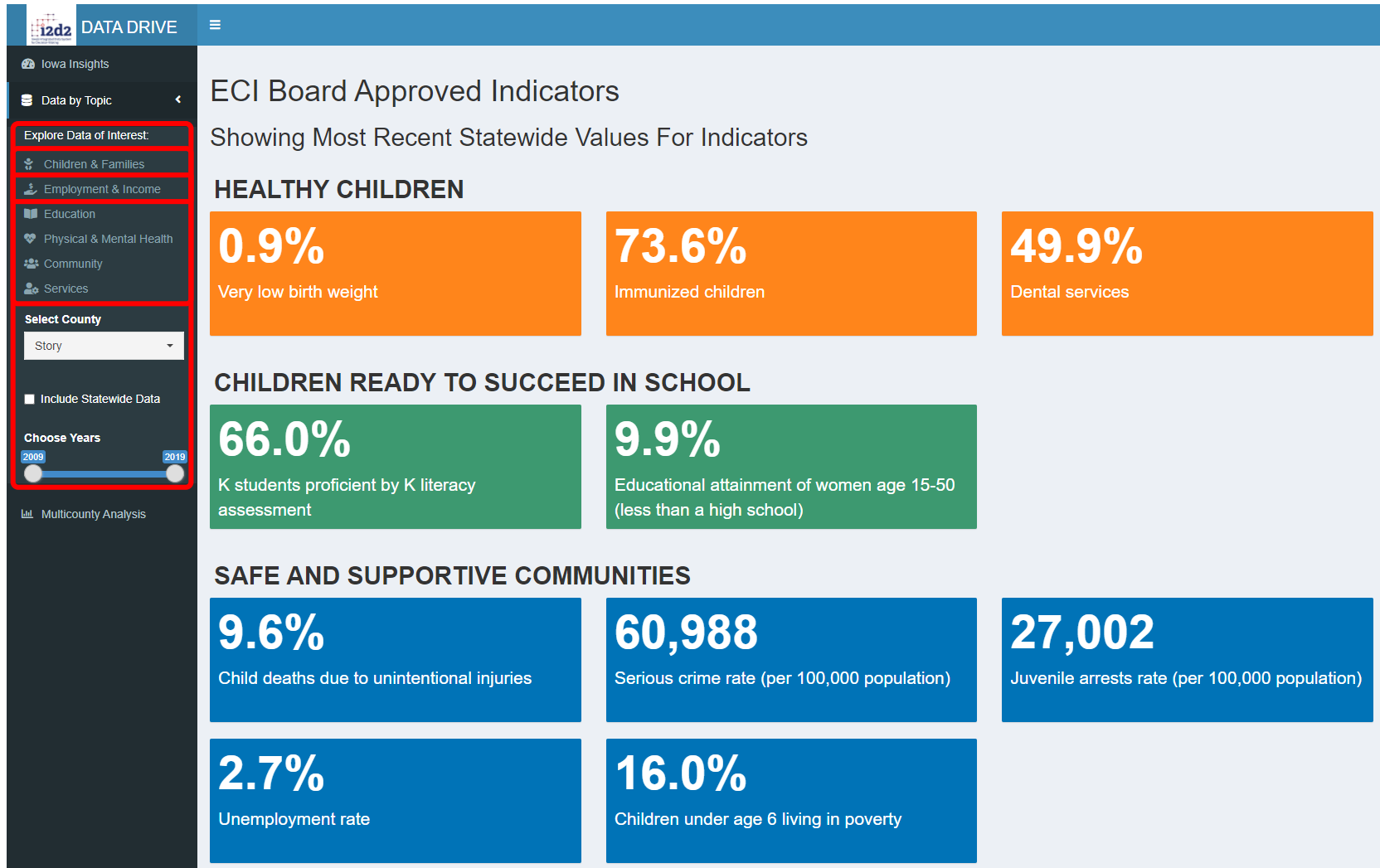


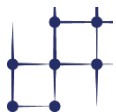
I2D2 DATA DRIVE



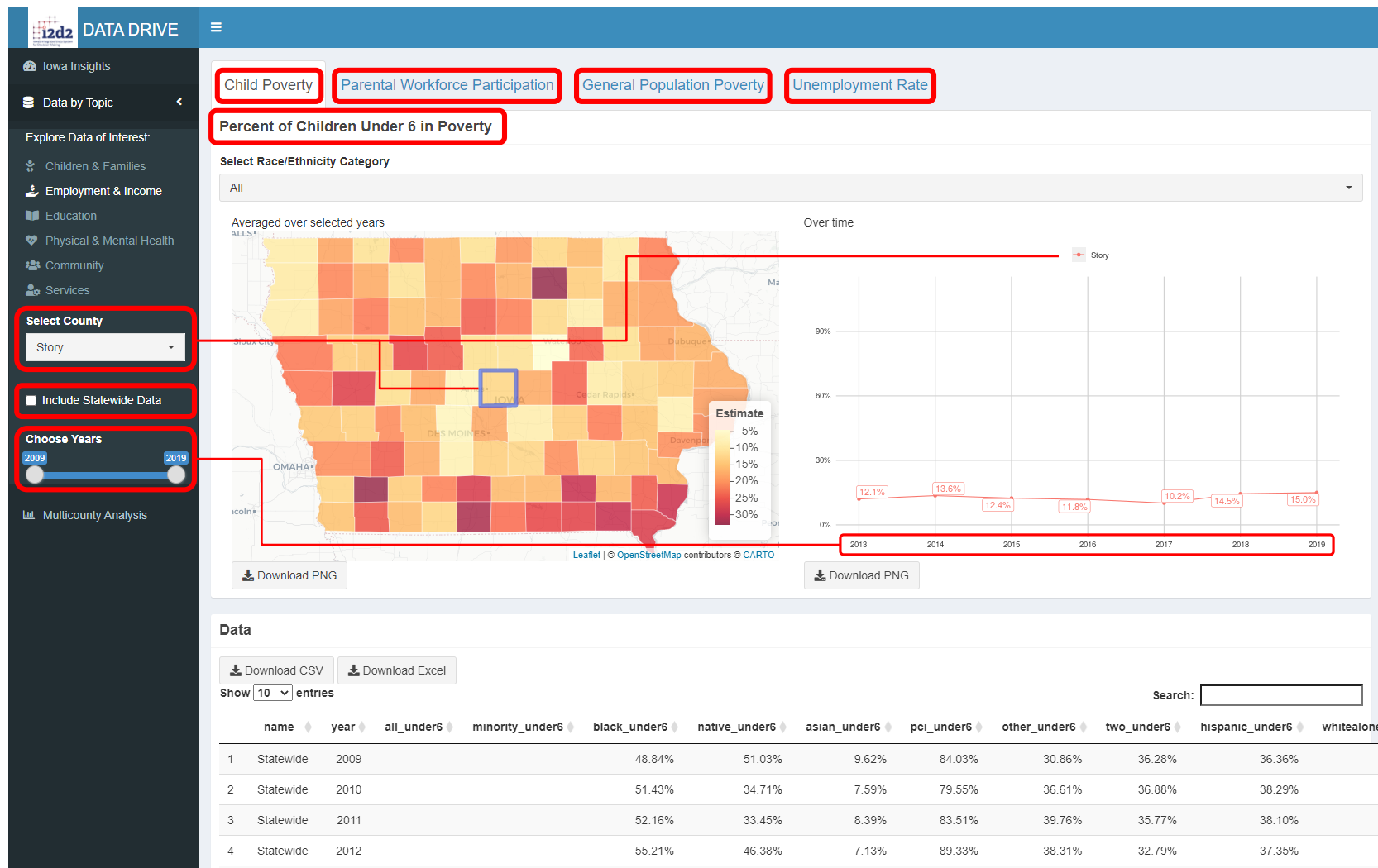


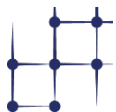
I2D2 DATA DRIVE





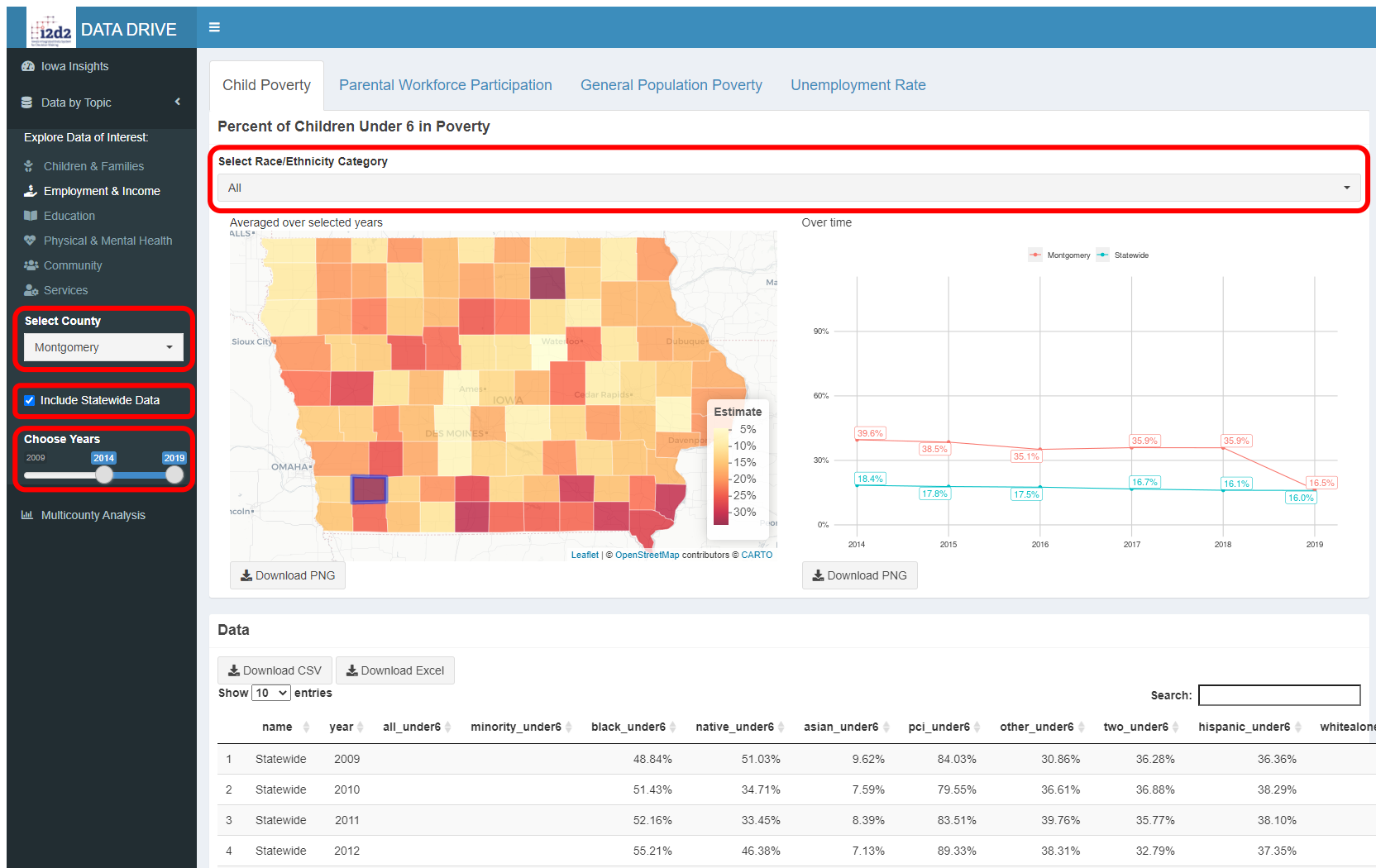
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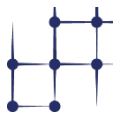


I2D2 DATA DRIVE

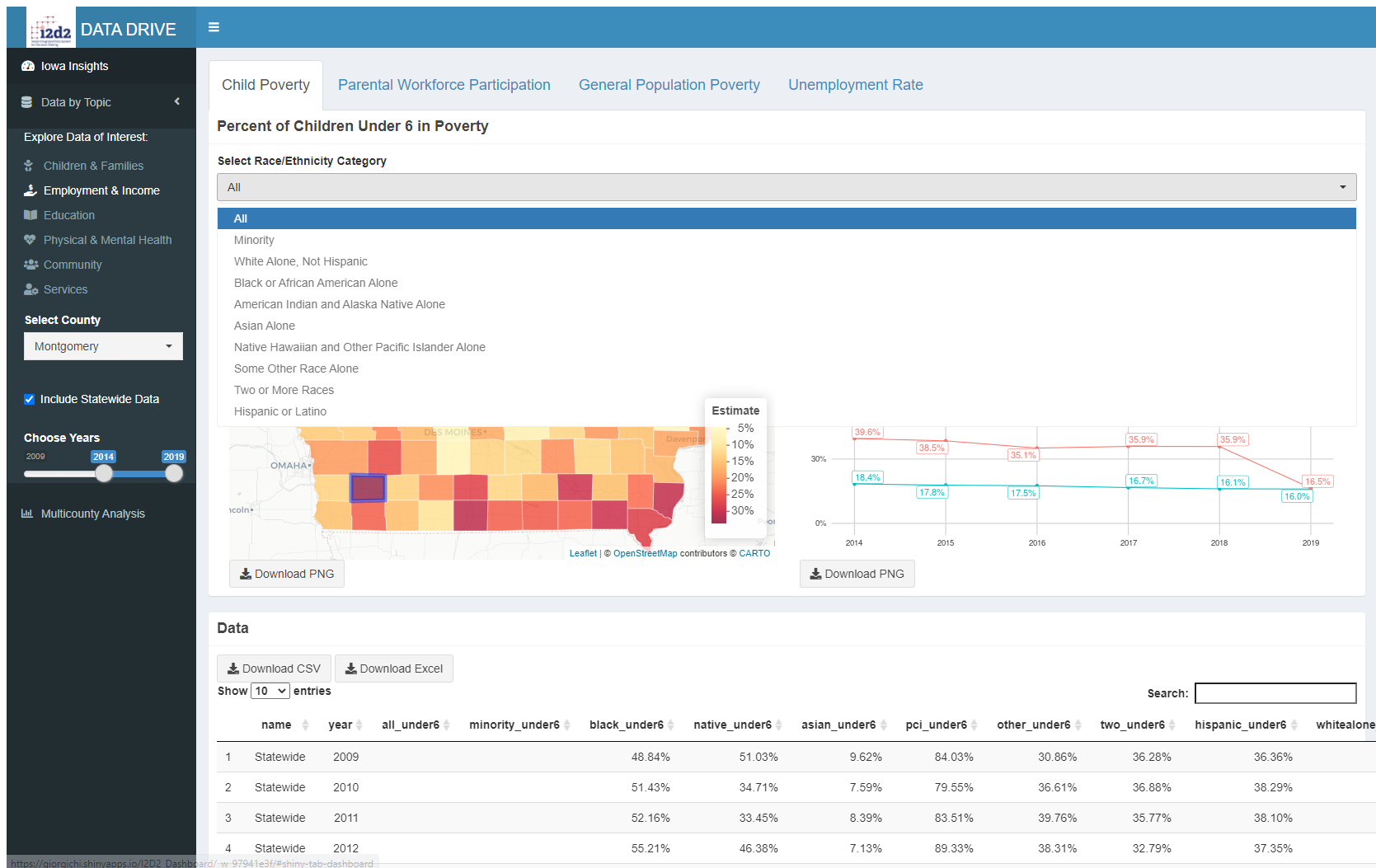
Selections apply to all indicators across all categories and tabs



Indicator-specific selectors



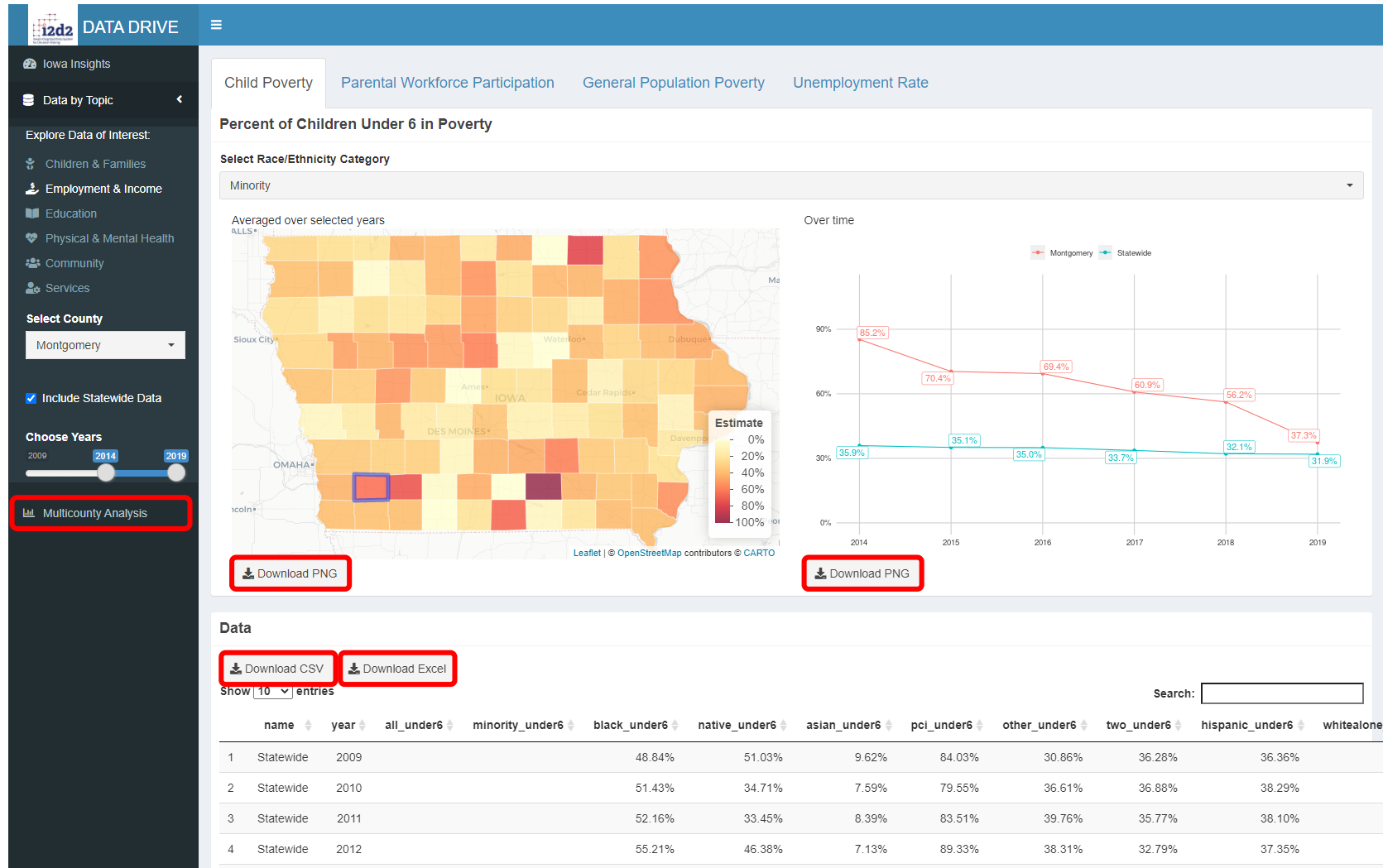
I2D2 DATA DRIVE

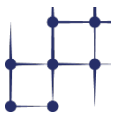


https://giorgich.shinyapps.io/I2D2_Dashboard/_w_97941e3fr/#shiny-tab-dashboard



I2D2 DATA DRIVE





CONCLUSIONS

- I2D2 Data Drive contextualizes the ECI framework to reflect the multi-faceted nature of child wellbeing in Iowa
- Shifting from state- to county-level indicators will allow in-depth understanding of child wellbeing at more relevant geographic scale
- Quantifying quality of life for children and their families at county level will give more comprehensive and high-resolution picture of challenges and opportunities in Iowa counties and enable targeted intervention by identifying services needed