

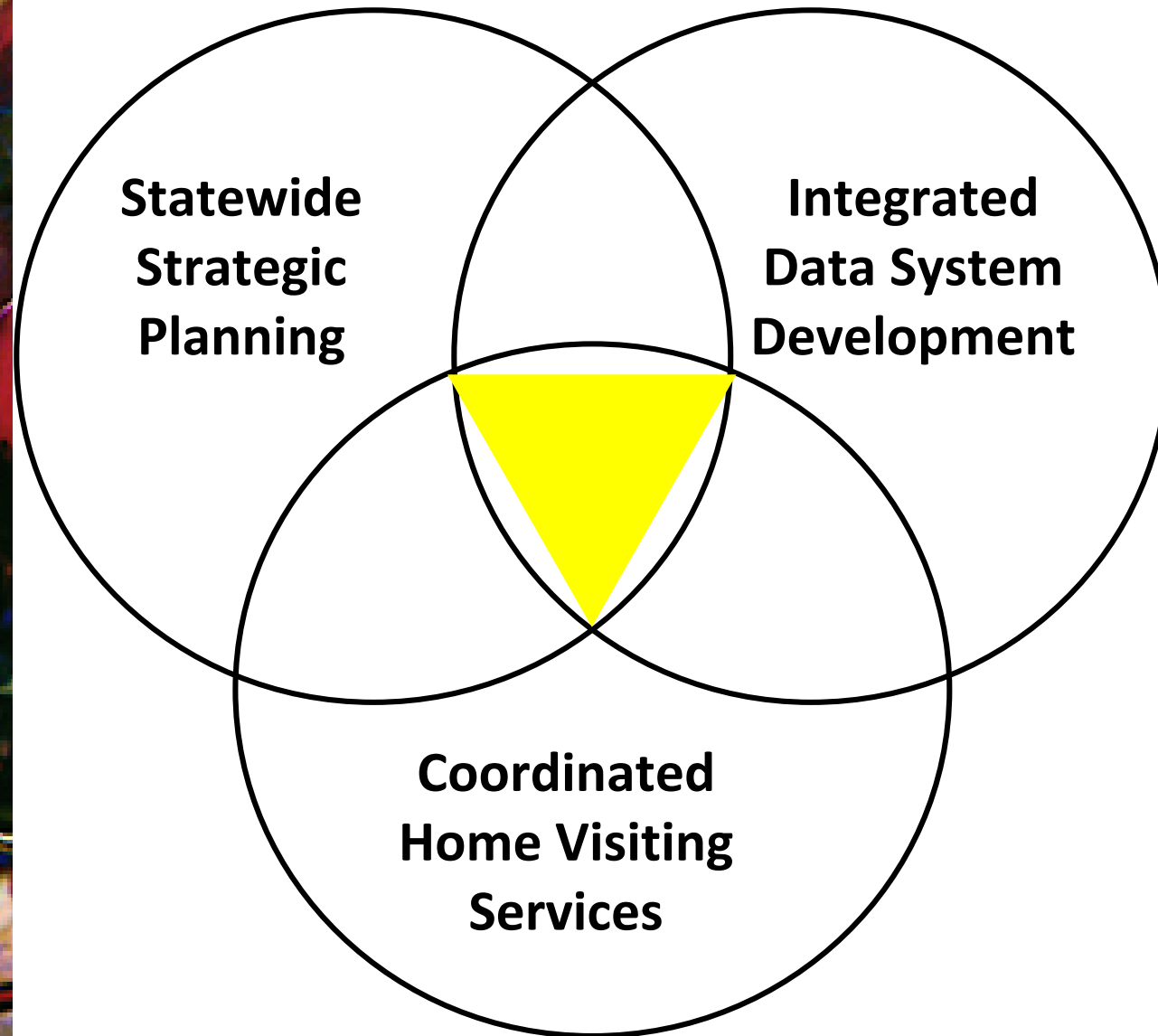
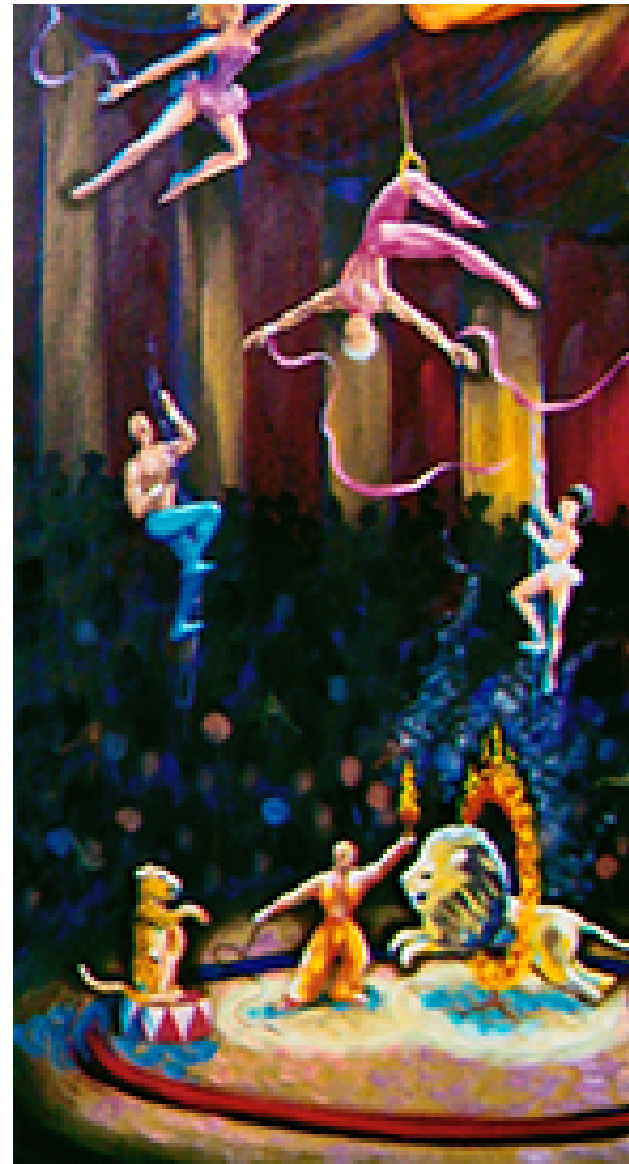
Data in Action: A State-University Partnership in Evidence-based Home Visiting

April 30, 2020

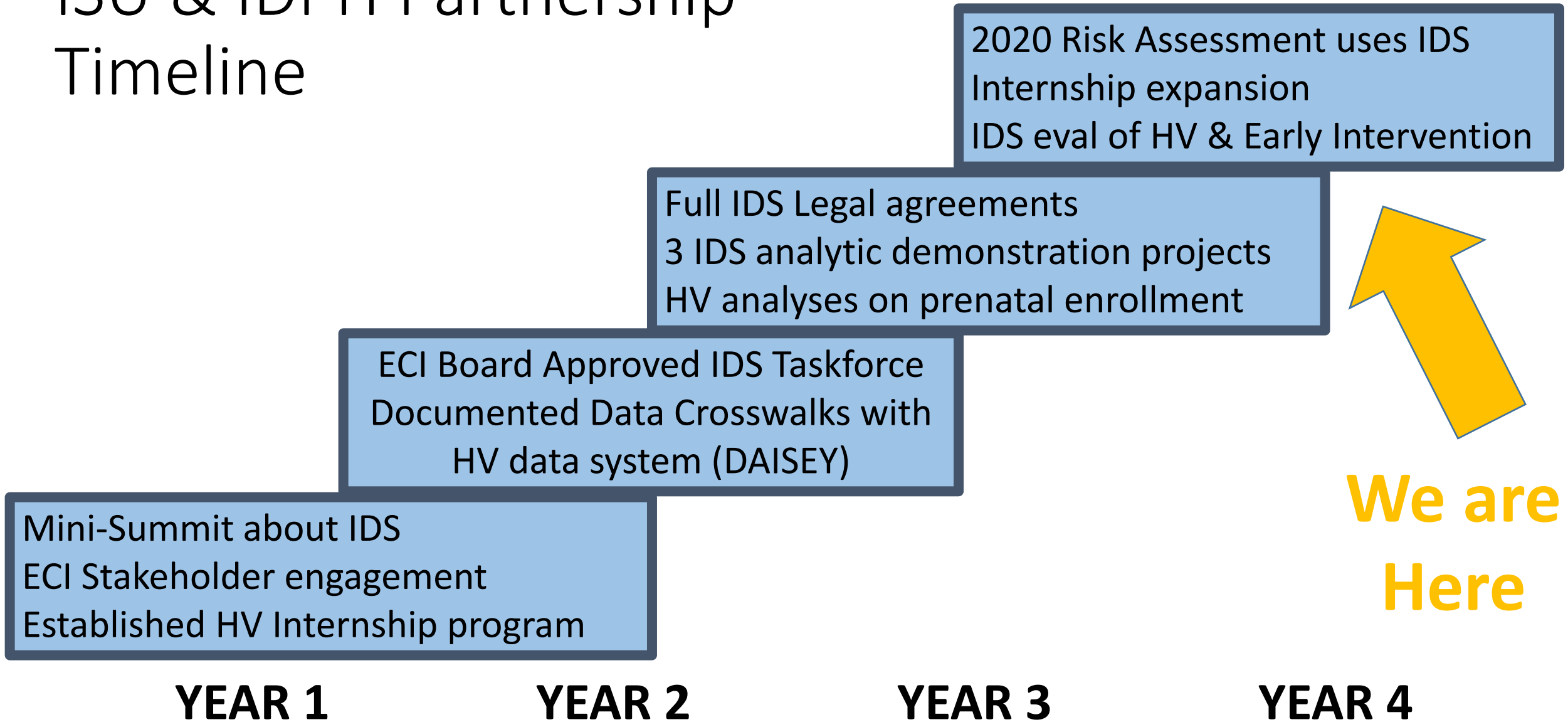
Heather Rouse, Cass Dorius, & Jessica Bruning; Iowa State University

Janet Horras; Iowa MIECHV, Iowa Department of Public Health

Simultaneous and Sequential – “Three Ring Circus”



ISU & IDPH Partnership Timeline

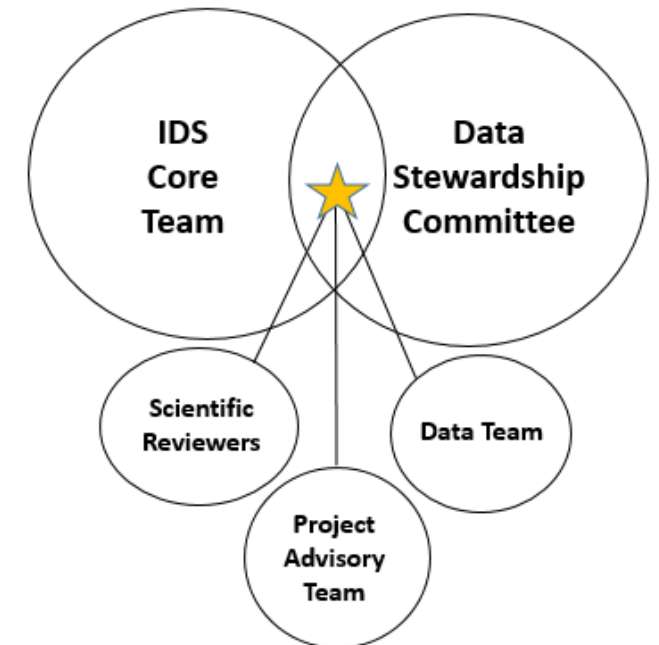


IDS: State-University Partnership Model

- State maintains control of the “use” of data
- University staffs the infrastructure with a flexible capacity to expand or contract depending on IDS project demands
- Capitalizes on ISU’s land-grant mission and expertise in data management, analytics, security
- “3rd Party” approach for data integration that meets federal and state legal requirements
- Political & economic sustainability



Governance Board “Executive Leadership”



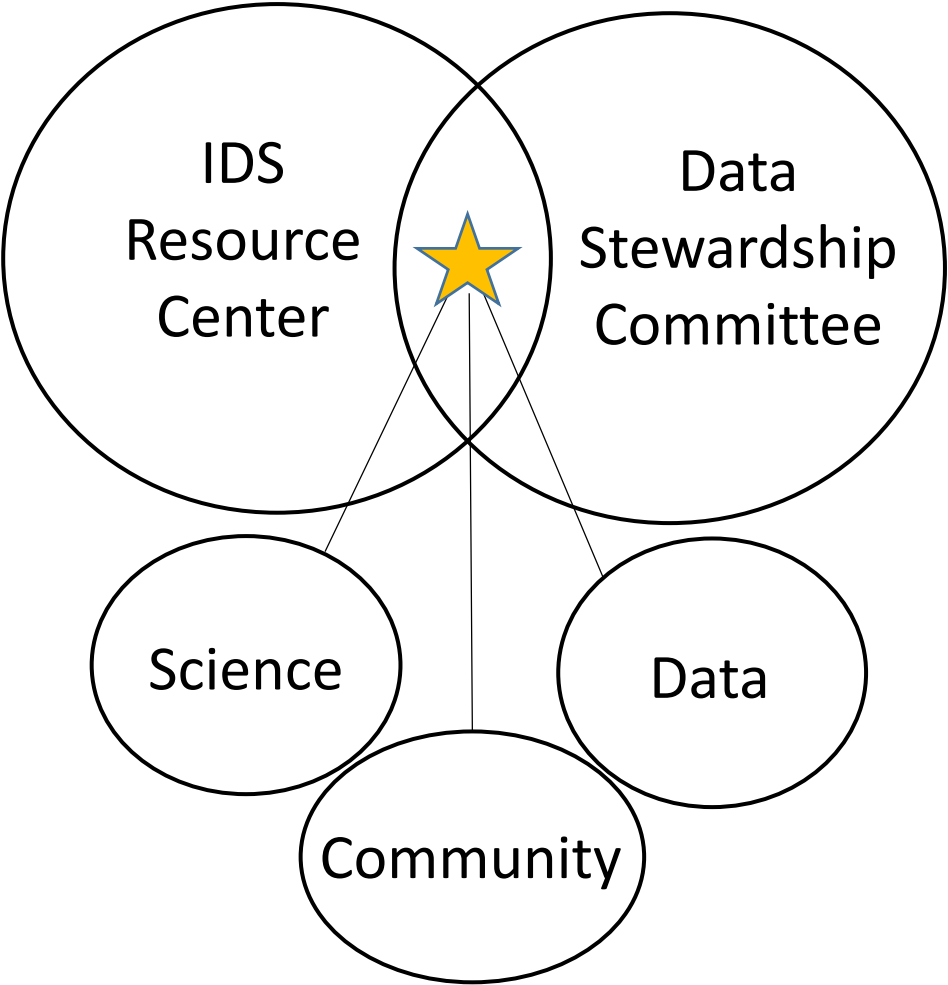
IDS Governance: People & Processes



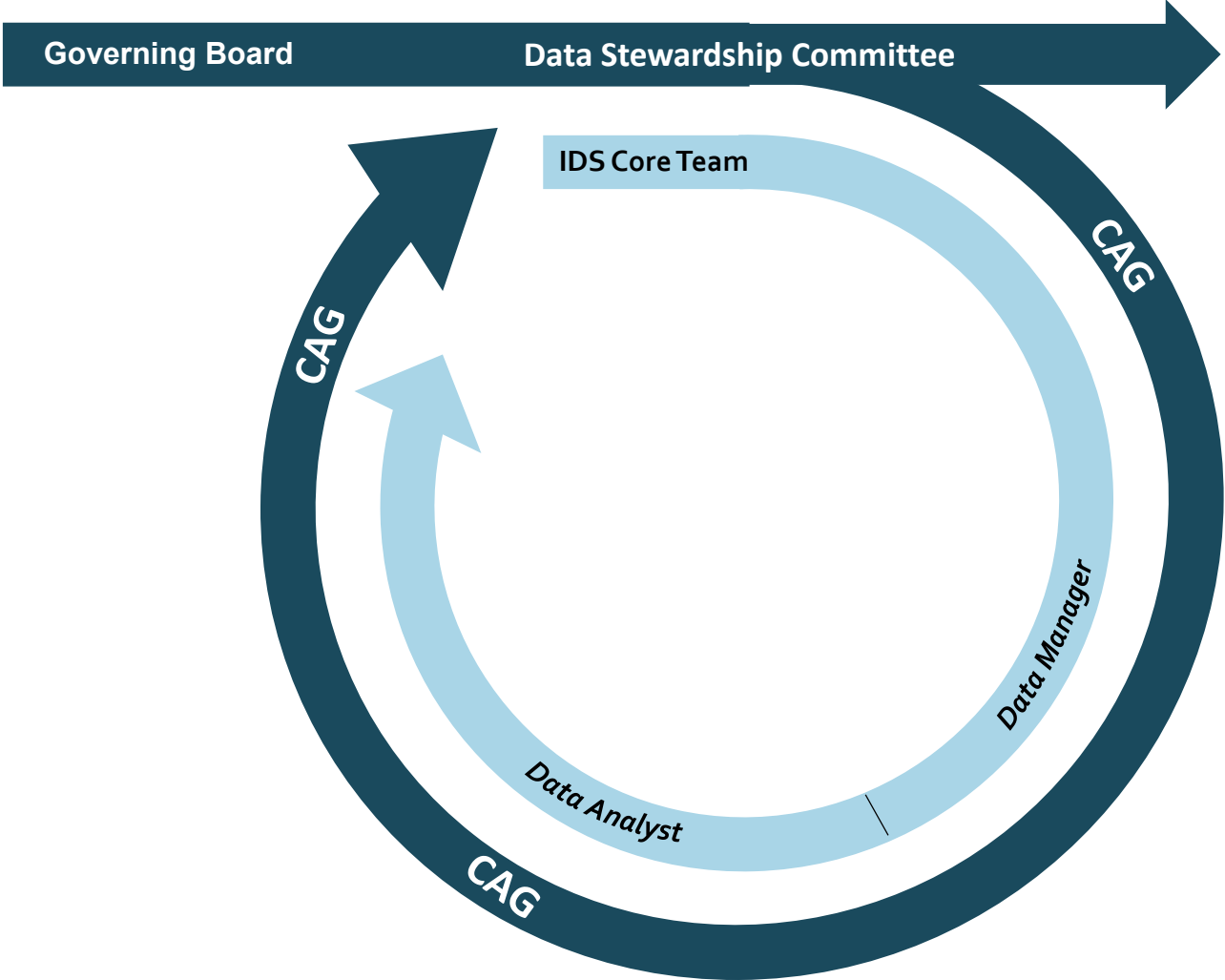
IDS Governance:

Structure

Governance Board “Executive Leadership”



Processes



IDS Legal Approach

Memorandum of Agreement (MOA)

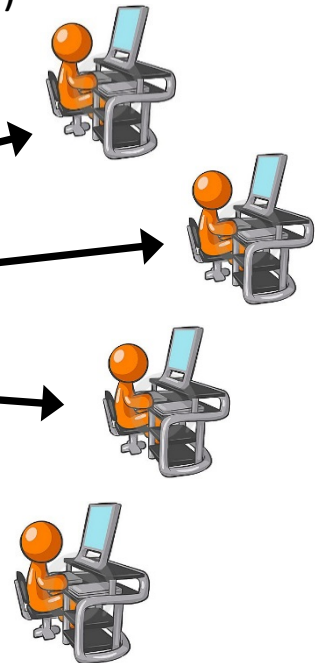
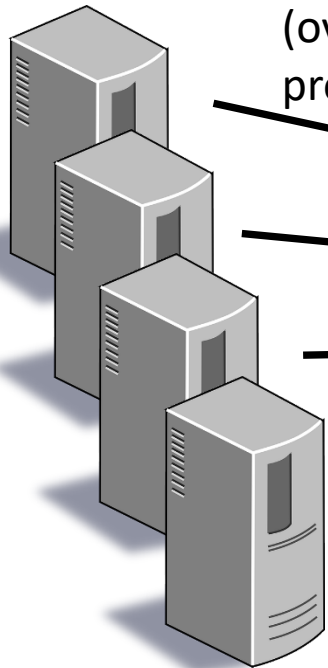
("business use" of the IDS to serve Departments)

Data Sharing Agreements

(overall data security; privacy protections;
processes for project approvals)

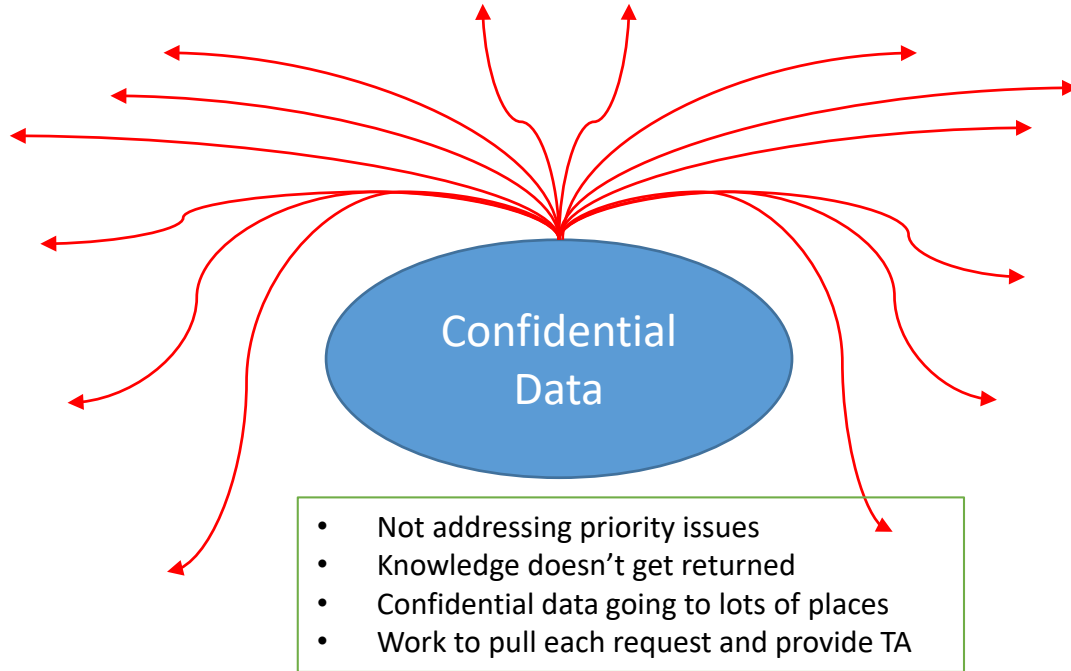
Data Use Licenses

(project specific, anonymized datasets)

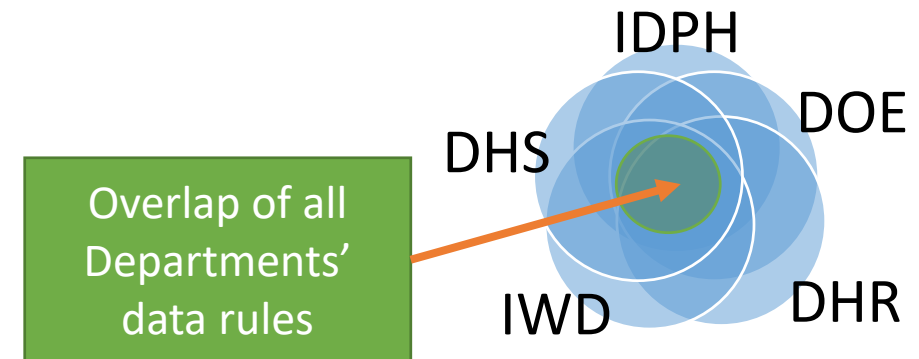
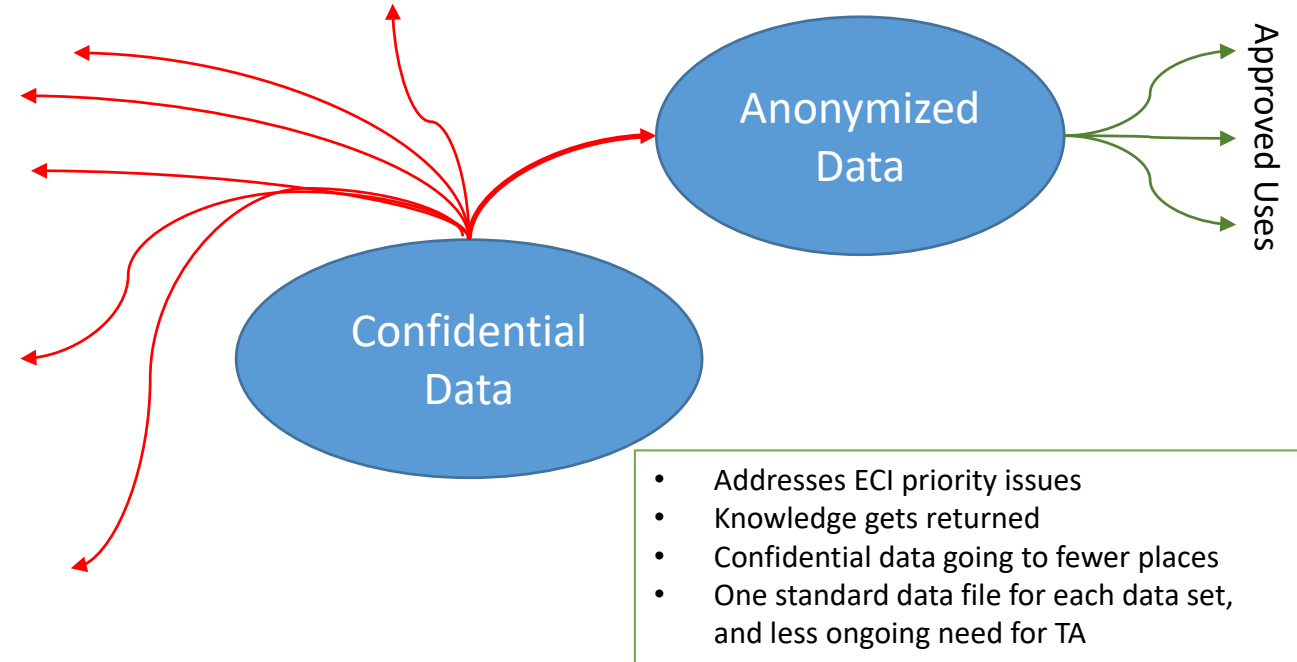


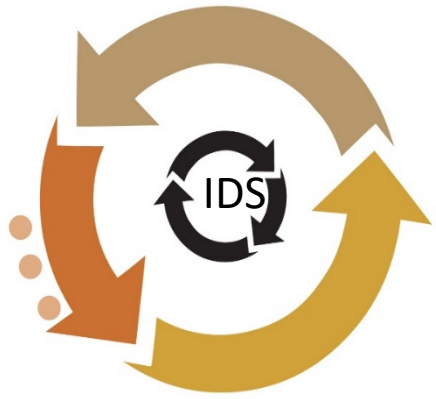
IDS does not change current data sharing processes, but adds extra layers of protection for early childhood-related analyses.

Prior State of Data Sharing



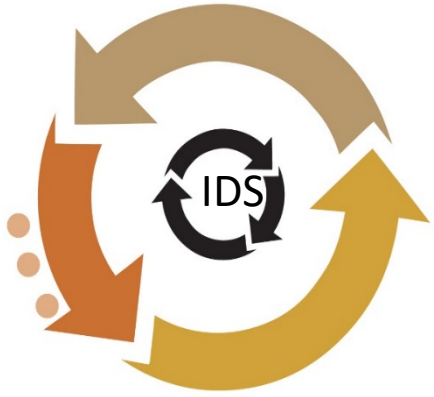
Data Sharing with an IDS



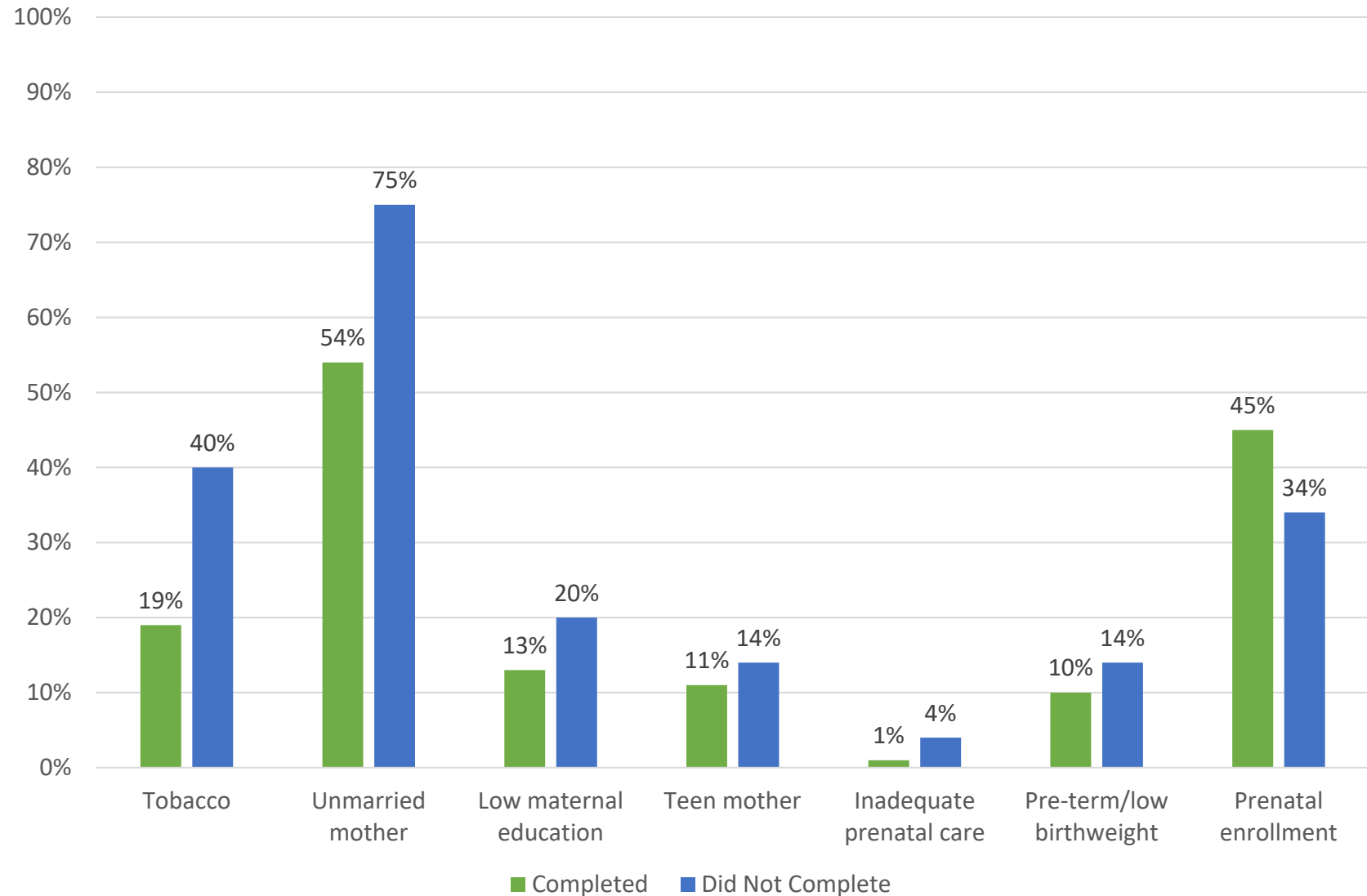


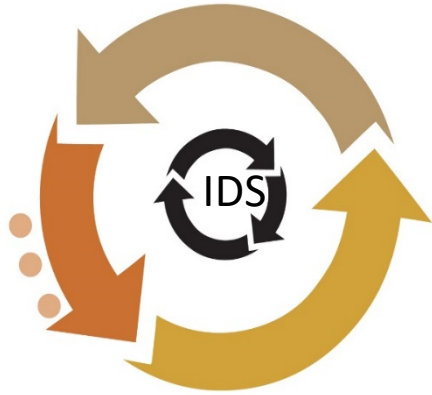
IDS Work in Home Visiting

- Improving data collection and reporting capacities
- Understanding timing and duration of enrollments relative to family characteristics identifiable at birth
- Informing 2020 community risk assessment

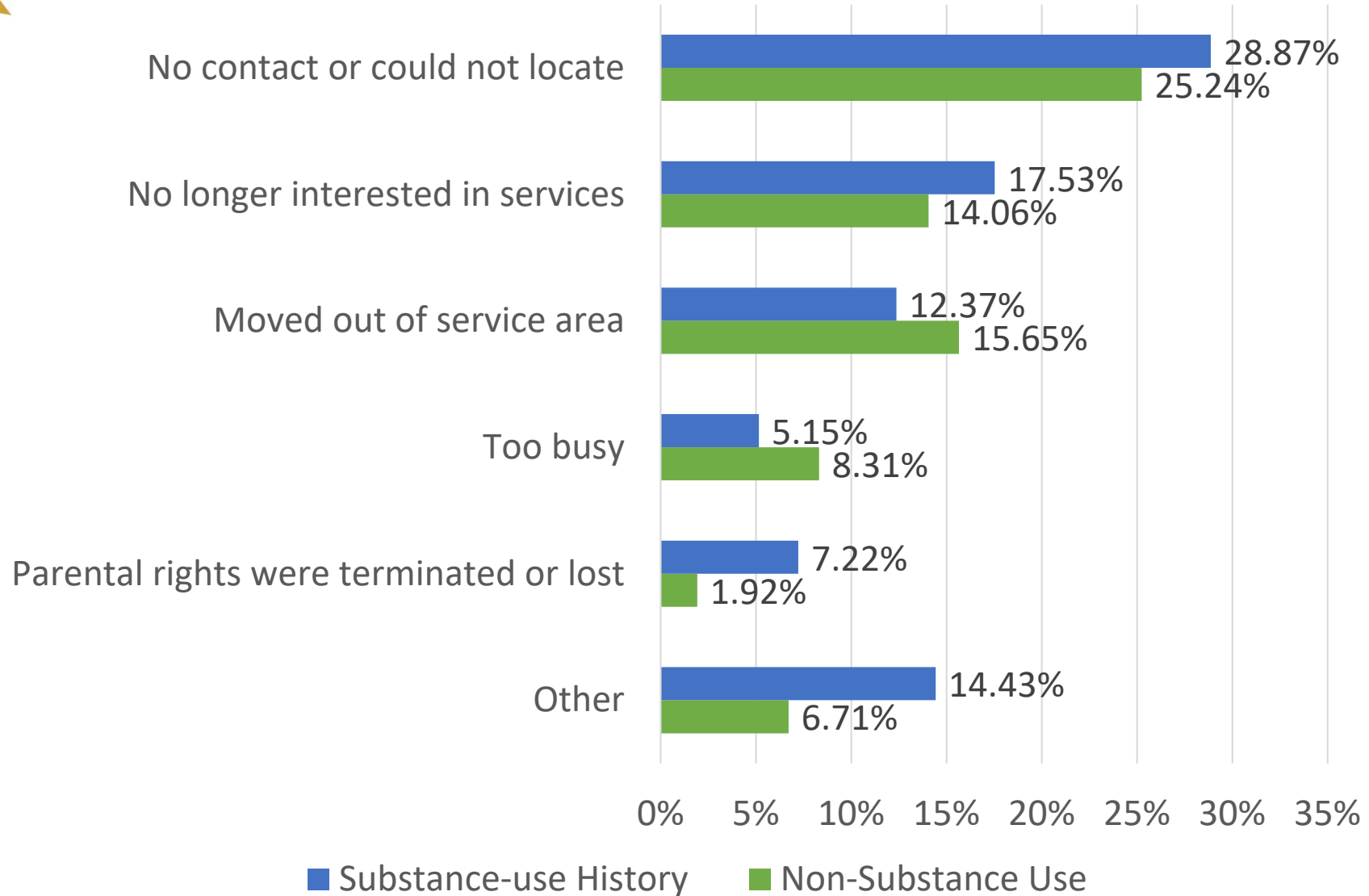


MIECHV Program Completers and Non-Completers: Differences in Birth Characteristics and Enrollment Timing



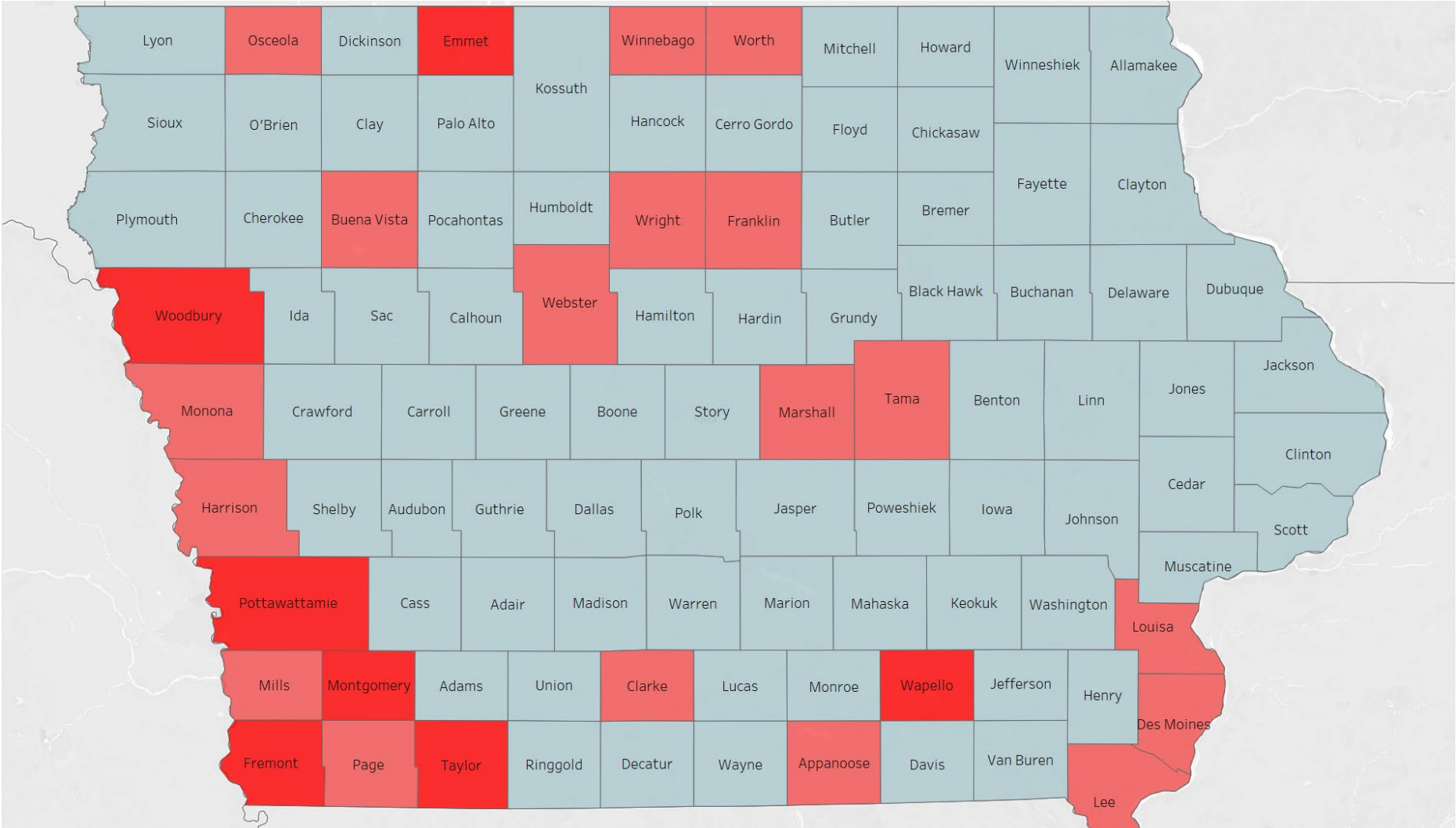


MIECHV Families with Substance Use History at Enrollment: Differences in Program Non-Completion Reasons





2020 Community Risk Assessment: Top 25 counties with 2+ Birth Risks



Cumulative risk indicator includes sum of 7 variables derived from Vital Statistics birth records: poverty (Medicaid or WIC at birth), low maternal education (<12 yrs), birth to teen mother, birth to unmarried mother, inadequate prenatal care (<4 visits or no visit in 1st trimester), preterm or low birthweight, smoking during pregnancy (or within 3 months prior)

IDS infused in the Statewide System

HOW THE CURRENT SYSTEM IS STRUCTURED

