i2d2 Iowa's Integrated Data System for Decision-Making

Project Update. September 2020.

I2D2 is authorized by the ECI State Board and Department Directors and advised by the I2D2 Data Stewardship Committee: Heather Rouse & Cassandra Dorius (Iowa State University); Shanell Wagler & Amanda Winslow (Department of Management); Marcus Johnson-Miller & Kelsey Feller (Department of Public Health); Ryan Page & Tammi Christ (Department of Human Services); Jay Pennington (Department of Education).

Early Childhood Iowa VISION for I2D2:

Iowa's early childhood system will be effectively and efficiently coordinated among health, social service, and education agencies to support healthy and successful families. This work will be informed by actionable intelligence derived from a statewide integrated data system that comprehensively identifies and addresses the needs of Iowa's young children and their families.

Overview: Iowa has invested in developing and refining an integrated data system since 2015. Our team gained considerable momentum in 2019 with federal support from the Administration for Children and Families (Preschool Development Grant) and state support from the Iowa Department of Public Health. Demonstration projects were completed, governance and technology protocols were enhanced, and stakeholder engagement and communication was prioritized to energize our early childhood community toward more efficient and effective *USE* of data to inform evidence-based decision-making.
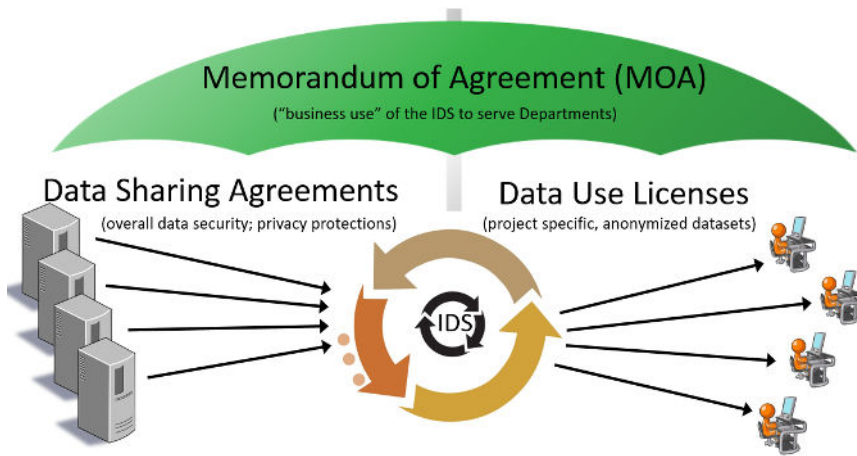
Activities Update (July-September):

- I2D2 had an official "launch" as the new brand and name for our system in August 2020. We are currently working on finalizing a website, stakeholder materials and briefs to continue sharing results from I2D2 work, and tutorials to help our communities better understand how I2D2 works and how we can all benefit from the system.

- IDS Taskforce has officially taken on the role of the I2D2 Data Stewardship Committee. We are implementing our now approved governance approach to continue improving the system and ensuring agency priorities are informing ongoing analytic work and funding pursuits. We welcome four new members to the I2D2 Data Stewardship Committee: Marcus Johnson-Miller and Kelsey Feller from IDPH, and Wendy Greenman and Donna Burkett from IWD. We look forward to their input on the Committee in the coming months.

- ISU team is finalizing the new virtual security platform with IT leadership at the university.

- CONGRATULATIONS to the I2D2 team (in partnership with ISU Professor Ji Young Choi) on receiving a USDHHS Administration for Children and Families, Office of Planning Research and Evaluation grant that will fund analytics including Head Start grantee data into I2D2 and the Early Childhood Longitudinal Study that was initiated with the 2019 PDG grant. The grant will provide $100,000 for data integration, analysis, and reporting across 18 months starting in October 2020.

Anticipated Next Steps:

- Continued analysis of home visiting and family support data and integration and analysis of Head Start grantee data with the ECI Longitudinal Study to investigate family and service system factors that relate to better outcomes for children and families.
- I2D2 Website and Phase I communications materials "go live"
- Implementation of the improved data security platform and role-based user access protocols

Governance Approach for I2D2:

Figure 1. Legal Structures

Memorandum of Agreement: umbrella agreement authorizing the IDS to exist in service of the ECI mission.

Data Sharing Agreements (DSA): individual agreements between each department and Iowa State University (as a business agent to operationalize the system as outlined in the MOA) allowing secure transfer of data following strict policies and procedures for all data use in accord with the MOA.

Data Use Licenses (DUL): time-limited agreements for each approved project to use anonymized, integrated data to answer departmental approved policy and evaluation questions.
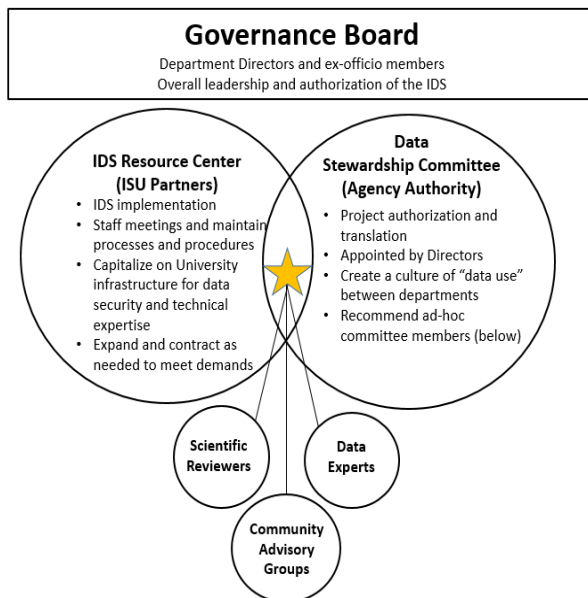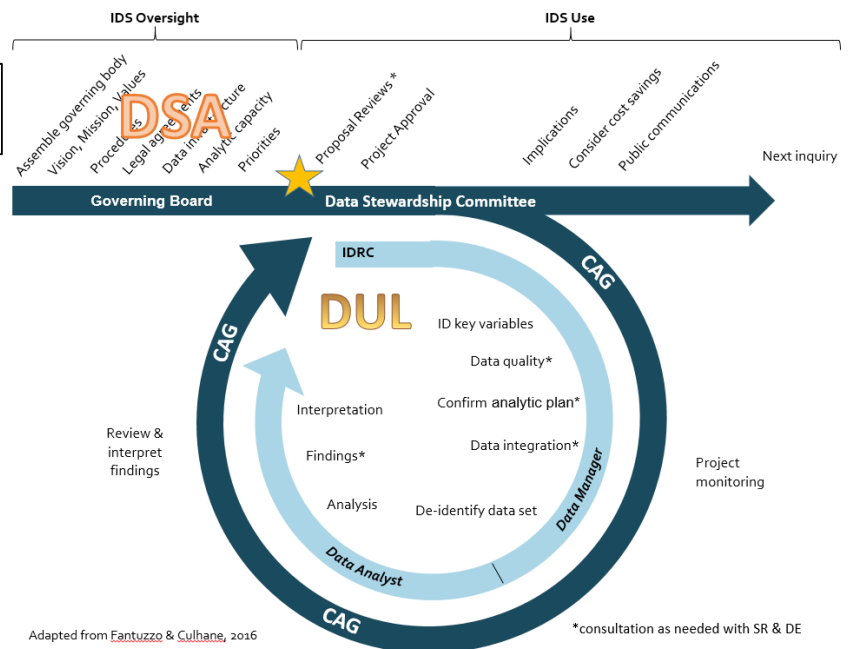
Figure 2. Working Groups   **Figure 3. Project Use Processes**

Adapted from Fantuzzo & Culhane, 2016

*consultation as needed with SR & DE

The success I2D2 relies on the expertise and contributions of key leaders and stakeholders. Working groups facilitate collaboration by fulfilling a requisite role in shaping and executing the vision and mission (see Figure 2). The governing body includes three standing workgroups (Governance Board, IDS Resource Center, and Data Stewardship Committee) and three ad-hoc committees to support individual projects before and after approval (Scientific Reviewers, Data Experts, and Community Advisory Groups). Every project follows standard processes from idea-to-dissemination (see Figure 3), that includes agency feedback throughout.