Department of Management

Division of Data, Planning, and Improvement

Iowa Code 8.57C
Annual Infrastructure Report

for

Justice Enterprise Data Warehouse (JDW)

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Laura Roeder-Grubb, Justice Data Warehouse Administrator

Tammi Blackstone, Data and Research Team Manager

PROJECT:	Justice Enterprise Data Warehouse (JDW)
FY27 TRF FUNDS:	$282,664
STATUS OF PROJECT:	Ongoing Infrastructure

DESCRIPTION OF PROJECT:

Iowa's Justice Data Warehouse (JDW) is a **critical infrastructure system** codified by Iowa Code 8.98(4) and (5) (2026). **It functions as a multiagency data warehouse coordinated and run by the state's Statistical Analysis Center. Its primary purpose is to collect, analyze, and disseminate key criminal and juvenile justice data.** The JDW and its staff were previously housed at the Department of Human Rights (from inception until July 2023) and then briefly at the Department of Health and Human Services. The JDW and its managing staff have been part of the Department of Management, Division of Data, Planning, and Improvement (DOM-DPI) since October 13, 2023.

Until 2025, the JDW resided on a shared Teradata platform maintained by the Iowa Department of Revenue (IDR). In 2025, the JDW team successfully migrated the system from Teradata to Google Cloud Platform (GCP), where it now operates as an integrated component of the DOM Data Enterprise Warehouse. This migration to GCP was a strategic move to enhance the JDW's capabilities, fostering greater agility and enabling the efficient development of dashboards and other data visualizations to better serve partner agencies.

The JDW currently operates with an annual budget of $282,664 through the Technology Reinvestment Fund.

PROGRESS OF WORK COMPLETED:

JUSTICE ENTERPRISE DATA WAREHOUSE:

The JDW represents Iowa's long-term commitment to integrating justice data, building on earlier efforts like the statewide, unified court system and initiatives like the **Iowa Court Information System (ICIS)**, which began in the 1990s and became a foundation for data sharing.

The creation of the JDW was a strategic step toward moving beyond disparate agency systems (like the Judicial Branch Case Management System, called CMS, and the Department of Corrections' case management system, called ICON) toward a centralized, comprehensive data asset.

The JDW is a key example of successful inter-branch collaboration as it integrates data from core entities, including the **Judicial Branch**, the **Department of Corrections (DOC)**, and the **Department of Health and Human Services (HHS)**.

This past year drove home the JDW's practical value to partner agencies. The team built sustainable dashboards for the **Polk County Attorney's Office**, the state's largest county, giving county attorneys direct, self-service access to their own prosecution metrics such as number of cases opened, types of charges filed, case processing time, and case dispositions.

Another dashboard was developed for the **Office of the Attorney General**, showing prosecution metrics statewide for sex crimes, compared to other serious crimes. The JDW's move to GCP allows dashboard projects to be easily shared and consistently updated with new data.

Beyond dashboards, the JDW fielded a steady stream of **data requests from both adult and juvenile court stakeholders** throughout the year, underscoring its growing role as the state's go-to source for justice data. This year, the team used the JDW to respond to **44 separate justice data requests** from state agencies, county/local agencies, legislators, stakeholders, the media and the public.

The JDW also supported **a record 157 correctional impact statements** for the Iowa Legislature this year. The JDW allows DOM-DPI analysts to project the correctional consequence of proposed criminal justice legislation.

The team also built an **automated data pipeline for the Department of Corrections**, running a query in the warehouse's BigQuery environment and transferring the results directly to the Iowa Data Hub (IDH) each month to feed DOC's monthly dashboard. This replaced a manual process that previously required DOC staff to pull JDW data by hand and send it to the IDH themselves. The JDW team plans to extend this same automated approach to several additional datasets in the coming months, a step that reflects the JDW's growing role not just as a data store but as an integration point connecting partner agencies and the systems they depend on.

To keep pace with that demand, the team also launched **JDW University**, an internal training program built to grow staff capacity to use the warehouse effectively. Over roughly three months, six staff members completed more than 15 training sessions covering adult court, juvenile court, and corrections data. This was an investment of staff time and effort that spreads expertise beyond a handful of staff, better enabling the DOM-DPI team to provide data to those who request it.

The JDW's integration of court and corrections data also made possible two significant outcome-research projects completed this year. The Statistical Analysis Center used the JDW to evaluate the **Tech2Connect Reentry Program**, operating in three judicial districts, and a separate program providing **higher education opportunities to incarcerated individuals**. Both studies examined whether participation in these programs reduced participants' rates of reoffense and recidivism, and final reports for both were submitted and published this year. This kind of research depends on the JDW's ability to bring together both court and corrections records and synthesize them for analysis; without that combined dataset, these evaluations would not have been possible.

The JDW is currently positioned as a central platform for addressing complex, systemic justice issues through data integration and advanced analytics. Ongoing updates focus on leveraging the warehouse for **predictive and prescriptive analytics** allowing for analysis beyond simply describing past events to forecasting future trends and recommending interventions (e.g., targeting high-risk, high-need individuals in community corrections).

All data obtained and maintained by the JDW/SAC remains subject to the **federal and state confidentiality laws and regulations** applicable to the original record and custodian, ensuring the protection of sensitive information while enabling critical research.

FUNDING and EXPENDITURES:

TOTAL ESTIMATED COST OF PROJECT:

The JDW is infrastructure and will have an ongoing need for funding. It is expected that the JDW will continue to need $282,664 in annual funding for the foreseeable future.

REVENUE SOURCES FOR THE PROJECT:

The primary and only reoccurring source of funding for the JDW is the TRF appropriation from the state budget.

However, because the JDW is a critical data source for a variety of federally-supported research that the DOM-DPI team performs, federal funds have been a periodic source of revenue to supplement state funding. For example, in September 2025, the JDW needed an SAP BusinessObjects upgrade. This $24,500 expense was paid by federal grant fund from the US Department of Justice, Bureau of Justice Statistics.

AMOUNT OF FUNDS EXPENDED:

Category	FY 2025	FY 2026	Est. FY27
DAS and ICN	$16,815	$21,421	$20,000
Software and Licenses	$25,236	$55,217	$28,000
Cloud Subscription Services	$91,218	$135,032	$136,624
Teradata	$146,252	$0	$0
Migration Efforts	$0	$50,000	$0
GCP Support, Data Ingestion	$0	$21,403	$60,000
GCP Security, Re-Architecture	$0	$0	$38,040
TOTAL	**$279,521**	**$283,073**	**$282,664**

AMOUNT OF FUNDS OBLIGATED: The amount of funds either spent or obligated for the 3-year period of FY2025-2027 is $845,258.

DATE OF COMPLETION: Not applicable. This is ongoing infrastructure for the state of Iowa.