# Reporting Period: July 1st – July 31st 2011

## Operational Area: Data Management

*Jennifer Creighton, Data Management Manager*

*Includes: Database Unit, Development Unit, Data Warehouse Unit*

**Description:** *The Data Management Section is comprised of three separate units:*
Data Warehouse Unit: The enterprise data warehouse is a repository of historical information that allows courts to query data for managerial and historical reporting. Case and person data is consolidated from SCOMIS, JIS, ACORDS, and JCS for reporting across all court levels. Court specific data marts provide users the ability to query information by specific court level. The information in the warehouse is accessed using a query tool called Business Objects XI (AKA BOXI). The ability to run queries and reports on historical information on court data provides business intelligence and insight into patterns, trends, issues and gaps in that data that can be used for research analysis, improvement of business functions, risk assessment and other business needs. Reports from the enterprise data warehouse can be run on demand or scheduled on a preset basis and the output can be sent to the desktop, or sent to an email address or a file folder making the information easy to share and obtain.
Development Unit: The development team is tasked with staffing active projects. They complete requirements analysis, coding, unit testing, and implementation to production of new applications. Work performed by the Development Unit is reported separately under the project(s) to which the staff is currently assigned.
Database Unit: The database unit provides a support role to the data warehouse team, the development team, and the operations section (legacy maintenance). They are responsible for reviewing and approving the design of underlying table structures, creating indices to improve performance, maintaining data dictionaries, providing review of proposed changes and additions to the database tables, and creating standards for the creation and maintenance of the databases.
Data Management Team: The data management team is comprised of individuals from each of the three units in the Data Management section. They have the responsibility of managing data from an enterprise perspective, including data quality and tracking compliance to data policies. Their activities are reported separately rather than repeating the work for each specific unit.

| Activities Completed this Reporting Period | Impact/Value |
|---|---|
| **Data Warehouse Unit** | |
| ◦ PACT: completed development of the Assessment Questions and Assessment Statistics report; | The juvenile courts have a rich database of criminogenic information on juvenile offenders. The PACT implementation gives the courts the ability to conduct real time queries on this data allowing them to better understand the needs of the youth they serve, more efficiently determine where to allocate resources, and continue to provide the most effective evidence based programs. |
| ◦ Maintenance activities included:<br>• Updating for legislative changes to cause codes which impacted the superior court caseload reports (HB 1267);<br>• Quarterly run of Washington State Institute for Public Policy data dumps;<br>• COA time in process reporting<br>• | Continual maintenance of the data warehouse improves response times, increases functionality of the warehouse, maintains the integrity of the data, and ensures the latest versions of related software are implemented. |
| ◦ Accounting Project: continued design specifications; loaded data to the development environment; | Adding accounting information to the data warehouse will provide:<br>1. Better tracking of accounting information<br>2. Budget and revenue forecasting |

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| | 3. Audit and operational reports<br>4. Ability to answer inquiries from other agencies |
| ◦ Responded to requests for reports from the courts and data dissemination requests, including felon voter registration report; attorney email addresses for King County; mental health reports for the Joint Legislative Audit and Review Committee (JLARC). | Completing requests for information assists the courts in being more efficient in their work, aids research into a variety of issues by WSCCR and outside research organizations, provides information to the legislature in their work to craft bills, and provides the courts and AOC with information regarding the efficiency and effectiveness of the judicial process. |
| **Database Unit** | |
| ◦ Completed data base design review requests. | The work of the database unit supports the ongoing maintenance and improvement of the courts' applications (JIS, SCOMIS, ACORDS, JABS, e-ticketing, etc.) |
| **Data Management Team** | |
| ◦ Continued planning for the Information Network Hub (INH) project, including potential impacts on data warehouse. | The INH project will stand up the architecture designed to support the exchange of data between the existing databases and any databases a new, purchased application will bring. |

| Activities Planned for Next Reporting Period | Impact/Value |
|---|---|
| **Data Warehouse Unit** | |
| ◦ PACT: updates to universe to allow additional reporting; user testing; user acceptance testing of Assessment Questions and Assessment Statistics Report | The juvenile courts have a rich database of criminogenic information on juvenile offenders. The PACT implementation gives the courts the ability to conduct real time queries on this data allowing them to better understand the needs of the youth they serve, more efficiently determine where to allocate resources, and continue to provide the most effective evidence based programs. |
| ◦ Maintenance activities. | Continual maintenance of the data warehouse improves response times, increases functionality of the warehouse, maintains the integrity of the data, and ensures the latest versions of related software are implemented. |
| ◦ Accounting Project: begin documentation of business requirements; begin coding ETL mappings; | Adding accounting information to the data warehouse will provide:<br>1. Better tracking of accounting information<br>2. Budget and revenue forecasting<br>3. Audit and operational reports<br>4. Ability to answer inquiries from other agencies |
| ◦ Respond to data dissemination requests. | Completing requests for information assists the courts in being more efficient in their work, aids research into a variety of issues by WSCCR and outside research organizations, provides information to the legislature in their work to craft bills, and provides the courts and AOC with information regarding the efficiency and effectiveness of the judicial process. |
| **Database Unit** | |
| ◦ Support data base design review requests. | The work of the database unit supports the ongoing maintenance and improvement of the courts' applications (JIS, SCOMIS, ACORDS, JABS, e-ticketing, etc.) |
| **Data Management Team** | |

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| ◦ Continue work on the INH project. | The INH project will stand up the architecture designed to support the exchange of data between the existing databases and any databases a new, purchased application will bring. |

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