Operational Area: Data Management

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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: received Back on Track data from PACT vendor to allow historical reporting in the PACT data mart. Began testing and verification of data.	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: • Updates to the FTA/warrant tables based on changes made to the production system • Updated code tables to reflect different meanings for participant codes based on the court level entering the information. • Implementation of the Informatica upgrade (Informatica is the software which is used to extract data from the transactional databases and place it in the data warehouse).	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: finished preliminary design of bond, journal voucher, adjustment, and accounts receivable tables..	Adding accounting information to the data warehouse will provide: 1. Better tracking of accounting information 2. Budget and revenue forecasting

	3. Audit and operational reports 4. Ability to answer inquiries from other agencies
◦ Responded to data dissemination requests, including WSCCR request for appellate case management information, guardianship request for the Office of Public Guardianship, and request from New York Times for information on restoration of rights to felons.	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	
◦ Began scope and analysis of work required to implement an information network hub (INH) in support of future data exchanges.	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	
◦ Prepare for presentation of BOXI to the Spring Clerk's Conference. Presentation is tentatively scheduled for June 22.	The Clerks have requested a presentation on BOXI, including the availability of reports, and how to use the reports to support their daily work and any potential clean-up work which may be required for the new case management system.
◦ PACT: continue verification of data; release reports to the PACT workgroup for their review and input.	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.
◦ Continue accounting prep work as time allows.	Adding accounting information to the data warehouse will provide: 1. Better tracking of accounting information 2. Budget and revenue forecasting 3. Audit and operational reports 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	

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◦ 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	
◦ 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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