**INFORMATION SYSTEMS SPECIALIST 7 - CLIENT SERVICES DATA WAREHOUSE SENIOR ANALYST**

**Salem, Oregon**

POSTING OPEN THRU 7/9/16

This is a permanent, full-time position with the Oregon Dept. of Human Services

$5,058 to $7,304 per month

[https://www.governmentjobs.com/careers/oregon/jobs](https://www.governmentjobs.com/careers/oregon/jobs/1456131/information-systems-specialist-6-integrated-client-services-data-warehouse-analy)

**OVERVIEW**

This position maintains, refines, and improves availability of data within the Integrated Client Services Data Warehouse (ICS). This position is the senior analyst responsible for analyzing, planning, and developing rules, tables, procedures, & ETL to incorporate/integrate data from a wide variety of state agencies and programs. This position is also responsible for architectural changes required to add new fields for existing programs, or data from new agencies/new programs.

**What is ICS?**

*The Integrated Client Services Data Warehouse (ICS) is a system that aggregates and integrates client-level data from multiple Oregon agencies including the Human Services Dept., Corrections Dept., Employment Dept., Oregon Health Authority, and Oregon Housing & Community Services. Areas being added include the Education Dept., Chief Education Office, and Oregon Youth Authority. In addition, ICS is being expanded to include more data elements for programs areas already included.*

*ICS is used for financial & operational planning and research. The goal is to provide reliable client-level data on the scope, depth & interconnected nature of client-based government services, in order to better understand clients & improve client outcomes.*

**DUTIES INCLUDE**

CONSTRUCTION

Conduct business analyses concerning new data, new processes, and new technology. Model data coming into ICS from new source systems; diagnose user problems and questions. Design and construct tables, stored procedures, etc. to export, transform, and load data. As needed, design and construct tables, stored procedures, etc. for ad hoc data projects. Normalize the data drawn from source systems to conform to the ICS architecture. Modify the business rules and table design as needed when source systems are replaced or modified. Write and maintain an ICS data dictionary.

CUSTOMER ASSISTANCE

Resolve issues identified by customers; determine if the cause is bad data, source system delivery of data or transformation of data, and correct the problem. Respond to concerns about data integrity. Work with IS staff and diverse systems interfacing with ICS. Develop and deliver customer training. Define specialized views needed to accomplish on-going data utilization. Support projects outside ICS that need assistance with data matching.

OPERATIONS - Keep operations going on a day-to-day basis, including:

Perform &/or oversee monthly maintenance, including extracting new data, matching clients within and between programs, geo-coding clients’ residential addresses, transforming data into caseload categories, and loading data into the warehouse. Develop/maintain security measures to ensure data confidentiality. Analyze/optimize performance.

PLANNING

Lead &/or participate in planning activities to add programs &/or data fields to ICS. Develop business rules and lead discussion and preparation for changes to ICS. Responsible for ICS system performance and disaster planning.

**REQUESTED KNOWLEDGE/SKILLS**

* Data warehouse architecture and optimization
* Extraction, transformation, and loading of large data sets (SSIS preferred)
* Client and address matching (Redpoint preferred)
* Structured Query Language (SQL); SQL platforms (DB2, SQL Server, etc.); Application interfaces (SPSS, SAS, etc.)
* Manage movement of massive amounts of data, including file extensions & movement between data platforms
* Write complex SQL incorporating common table expressions, aggregate and window functions, sub queries, etc.
* Provide strategic planning leadership; interpret and implement program business rules; manage projects
* Develop requests for proposals/bids; monitor the performance of IS contractors
* Develop and deliver of training necessary to utilize ICS