**INFORMATION SYSTEMS SPECIALIST 6 - CLIENT SERVICES DATA WAREHOUSE ANALYST**

**(Location Data Specialist) – Salem, Oregon**

POSTING OPEN THRU 7/12/16

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

$4,567 to $6,603 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**

The primary purpose of this position is to maintain, refine, and improve the availability and use of location (address) data within the Integrated Client Services Data Warehouse (ICS) – in order to provide more complete information about the clients we serve and where they are being served. The position serves as a link between the Client Data and Location Data teams.

**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**

Work with ICS Team and GIS Coordinator to develop, implement, and refine system design for client and provider address data. Maintain and update system software and interfaces at an advanced level of technology and sophistication. Diagnose technical problems and construct technical solutions; safeguard software and data repositories, providing recovery of same when required.

Maintain and enhance the address matching processes and rules for geo-coding, de-overlapping, de-duplication, and de-identification. Define processes for the aggregation of ICS data to different levels of geography. Analyze location data for issues of quality and ramifications of design rules. Troubleshoot error messages as they arise, escalating the more difficult operating system & database issues to developers during initial project development and subsequently coordinating the resolution of errors with senior technical staff.

Assist with planning, developing and/or coordinating the creation of new database tables, stored procedures, user defined functions, queries and modifications to existing tables, procedures, functions to support business requirements and views. Maintain user documentation, data flow and data processing diagrams, data dictionary and corresponding documentation.

**REQUESTED KNOWLEDGE/SKILLS**

* Data warehouse architecture and optimization
* Extraction, transformation, and loading of large data sets (SSIS preferred)
* Structured Query Language (SQL)
* SQL platforms – DB2, Sybase, SQL Server, Oracle, etc.
* Application interfaces (SPSS, SAS, Access, ODBC)
* Client and address matching (Redpoint preferred)
* ARCGIS
* 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.