SEER*DMS

A centralized, web-based data management system from the NCI SEER Program that supports all core functions of a central cancer registry, including data import, editing, linkage, and reporting.

Overview

The SEER Data Management System (SEER*DMS) is a unified, distributed application developed under contract to the National Cancer Institute (NCI) for the Surveillance, Epidemiology, and End Results (SEER) Program. It is specifically designed to support all core functions of a central cancer registry, including: importing data, editing, linkage, consolidation, and reporting.

Key Benefits

Improved Data Quality and Consistency: The centralized system design ensures data quality and consistency across all participating registries.

Cost Efficiency: Reduces duplication of effort in system maintenance and administration across the SEER network.

Timely Compliance: The system automatically implements new data standards and edits from national standard setters like the North American Association of Central Cancer Registries (NAACCR) and the National Program of Cancer Registries (NPCR) in a timely manner.

Customization: The modular design and workflow engine allow for customization to meet the specific business rules and site-specific data fields of individual registries.

Main Features and Capabilities

Data Processing: Supports case finding (electronic pathology screening and coding), data importing, abstracting, visual editing, and quality control.

Record Management: Includes matching/linkage to existing patient sets and record consolidation.

Geocoding: Submits secure API calls for Real-Time Geocoding using the AGGIE geocoding system.

Workflow Engine: Manages the flow of data and tasks based on registry business rules, handling both automated and manual procedures.

Reporting and Analysis: Provides integrated reports for quality control and completeness metrics, and includes a Data Search tool for ad hoc queries and SQL execution.

Data Submission: Features a push-button mechanism for creating data submission files that conform to the reporting requirements of SEER, NAACCR, and NPCR.

Target Users and Use Cases

The primary users are **Central Cancer Registries** participating in the NCI SEER Program (currently supporting 16 registries). The system is also used by SEER affiliates, researchers, public health departments, and hospitals. The main use case is comprehensive, population-based cancer surveillance data management, from initial case finding to final data submission and analysis.

Key Features

- Data Import and Editing

- Case Finding and Abstracting

- Record Linkage and Consolidation

- Workflow Management

- Automated Compliance to Standards

- Real-Time Geocoding

- Integrated Reporting and Analysis

- Data Submission Extracts

Pricing

Model: free

Developed and provided by the National Cancer Institute (NCI) SEER Program for its participating central cancer registries and affiliates.

Target Company Size: enterprise

Integrations

AGGIE Geocoding System, NAACCR (North American Association of Central Cancer Registries), NPCR (National Program of Cancer Registries), NCDB (National Cancer Database)

Compliance & Certifications

NAACCR Data Standards, NPCR Requirements, SEER Requirements