SEER*Stat

A powerful PC-based statistical software provided by the NCI SEER Program for analyzing cancer registry data to calculate incidence, mortality, survival, and trends.

https://example.com/1762583716458

Overview

SEER*Stat is a free, powerful desktop application developed and maintained by the National Cancer Institute (NCI) Surveillance, Epidemiology, and End Results (SEER) Program. It serves as the primary statistical tool for researchers to analyze SEER data and other cancer-related databases. The software provides a convenient, intuitive, menu-driven interface for generating population-based cancer statistics and viewing individual cancer records.

Key Capabilities & Features:

Frequencies & Rates: Calculate crude rates, age-adjusted rates, incidence-based mortality rates, and trends (Annual Percent Change).
Survival Statistics: Compute Observed, Relative, Net (Pohar-Perme), Cause-specific, and Conditional survival using Actuarial and Kaplan-Meier methods.
Specialized Measures: Analyze Limited-duration Prevalence and Multiple Primary Standardized Incidence/Mortality Ratios (SMR/SIR).
Data Management: Generate Case Listings for viewing individual records, defining analysis cohorts, and exporting results for use in other statistical software like SAS or Microsoft Excel.
Client-Server Mode: Allows users to access large SEER databases directly from the SEER server for analysis.
Target Users & Access: SEER*Stat is primarily designed for cancer epidemiologists, public health researchers, biostatisticians, and students who require in-depth analysis of population-based cancer data. Access to the software is free but requires registration and agreement to terms of use, which strictly prohibit commercial use and reverse engineering.

Key Features

- Frequencies and Rates Calculation

- Survival Statistics (Relative, Cause-specific, Conditional)

- Limited-duration Prevalence

- Multiple Primary SMR/SIR

- Case Listing and Data Export

- User-defined Variables

- Client-Server Data Access

- Auto-update Feature

Pricing

Model: free

Free to download and use for non-commercial research and public health purposes. Requires registration and separate access to the SEER Research Data, which may have different access tiers.

Target Company Size: enterprise

Integrations

SEER*Prep, HD*Calc, SAS, Microsoft Excel

Compliance & Certifications

HIPAA, FISMA