

Abrevio

Consolidate Your Cancer Data

Convert Clinical Document Information to Usable Data

Why Use Abrevio?

Abrevio is a system that converts information embedded in clinical documents into useable data—data that can be searched and analysed—data that you can use for cancer reporting, research support, cohort identification, quality monitoring and program evaluation, to name just a few applications.

Abrevio inputs clinical documents, such as pathology reports, diagnostic imaging reports, clinic visit reports etc., and links them to patient cases of cancer. It then uses artificial intelligence to extract discrete data elements to annotate each case with patient demographic and tumour properties, such as size, nodal involvement, stage, grade, laterality and more.

As the volume of cancer documentation increases, Abrevio lets institutions leverage the information in these documents to generate new knowledge and capabilities.



Save Time Abstracting Cancer Cases

Tumour registrars face the logistic challenge of accessing information from multiple sources to create a complete case abstract. With Abrevio, you can automatically collect and process all of the clinical documents you need in one place. Abrevio makes it easier to abstract cases into formats such as the NAACCR standard record by automatically identifying applicable values for various fields.



Monitor Cancer Quality Indicators

Abrevio can automatically abstract data for cancer quality monitoring and reporting, in near real-time, as case documents are received. For example, Abrevio can abstract data for the ACOS (CoC) Rapid Quality Reporting System from new diagnoses of cancer as pathology reports are received. Abrevio can also be used to monitor quality indicators in certain types of procedures, such as colonoscopy adenoma detection rates and polypectomy rates.



Obtain Access to Cancer Datasets

Abrevio will be a valuable resource for any institution engaged in performing or supporting cancer research. With Abrevio you can establish a high-quality annotated repository of patient dossiers of tumours. Abrevio's intuitive and simple user interface will allow you to quickly select the data you need, when you need it, and export it in various formats to analytical applications.



Identify Candidates for Studies & Trials

Rapid Case Ascertainment (RCA) is essential to recruiting candidates for research studies or clinical trials, soon after diagnosis, before ensuing treatment regimens might disqualify them. Abrevio's RCA module provides a real-time screening system to identify candidates for any number of studies and automatically alerts investigators about new candidates as soon as diagnostic information is received.

How Abrevio Works



Clinical Documents

Electronic clinical documents are sent to the Abrevio system in HL7 V 2.x or HL7 V 3 CDA format.



Patient/Case Linkage

Documents are automatically linked to patient cases of cancer using configurable heuristic linkage rules.



A.I. Processing - Case Annotation

Tumour properties, patient demographics and other case data are automatically extracted from documents as discrete data elements that are stored as part of case annotation.



Data Mapping

Discrete data elements are automatically mapped to user defined case report forms to create specific datasets for use in various analyses and reporting, including, for example, the NAACCR standard tumour record.



Search & Export

Case data can be easily searched and exported to other applications, including your cancer registry system.

Case Listings

Case Documents

Annotation Forms

