Use of Browsers and LexEVS Local Java API on EVS Servers

The next several sections analyze available statistics for direct use of EVS resources on EVS servers. This section covers direct use of NCI-hosted EVS terminology browsers and the LexEVS local java API that supports them. Later sections cover the LexEVS distributed (remote), LexEVS caGrid services, the term suggestion site, and ftp download services.

- Statistical Overview
- Browser Users
    - Overall Use
- Usage Patterns of the Three EVS Browsers

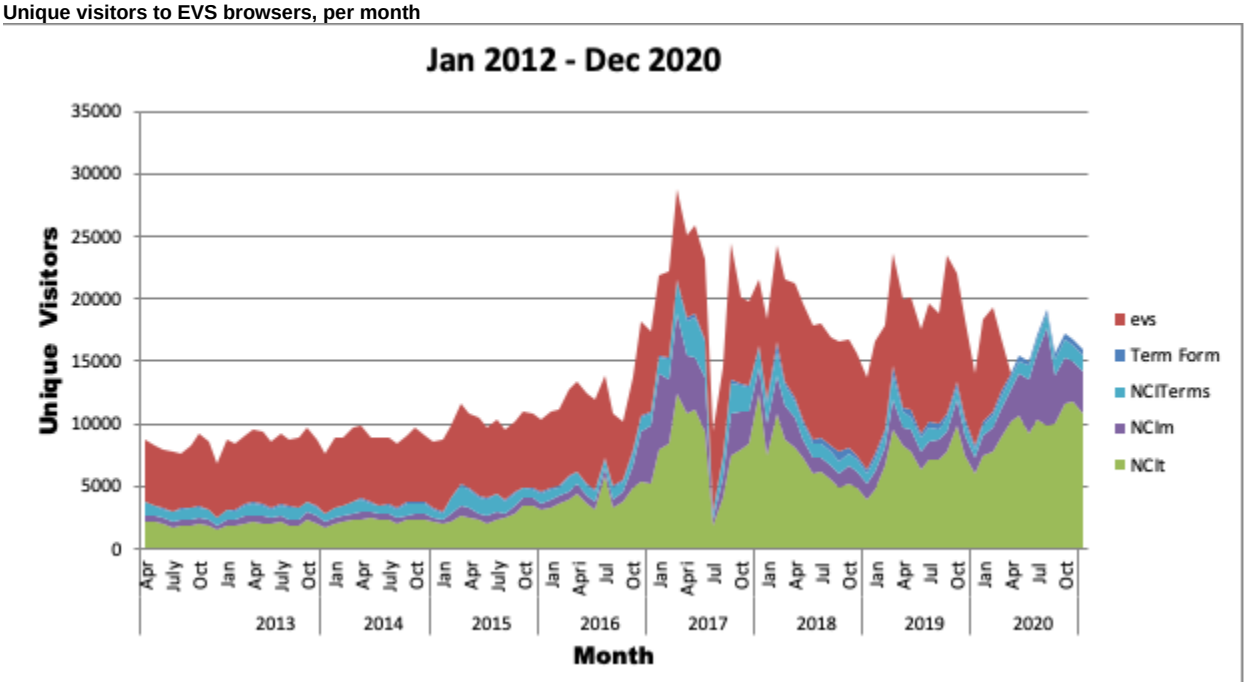
The EVS browsers and LexEVS APIs at NCI are covered by the AWStats and Wusage applications, recording various statistics including number of unique visitors, visits, number of pages viewed and data volume accessed. These have been collected below to give a window into the use of the EVS services. Appendix 1 lists the usage tracking pages from which these statistics are gathered.

We are now able to identify and exclude most web crawler and similar automated hits, as well as internal use for testing and development purposes. Detailed examination of addresses and patterns of use suggest that the use reported below overwhelmingly represents real users from NCI and other organizations of interest. Analyzed below are figures for unique visitors and number of visits, as well as the volume of data communicated, which for all but ftp sites reflects high volumes of traffic in mostly compact units of terminology concept data.

Statistical Overview

The EVS browsers run off the LexEVS local API, and provide the highest number of direct users of EVS terminology servers. The lowest, but most informative, numbers are for unique visitors and number of visits. The number of unique visitors to the EVS family of browsers has averaged around 4,000 per month in 2015, growing to around 10,000 per month by the end of 2016 generating some 17,000 visits.

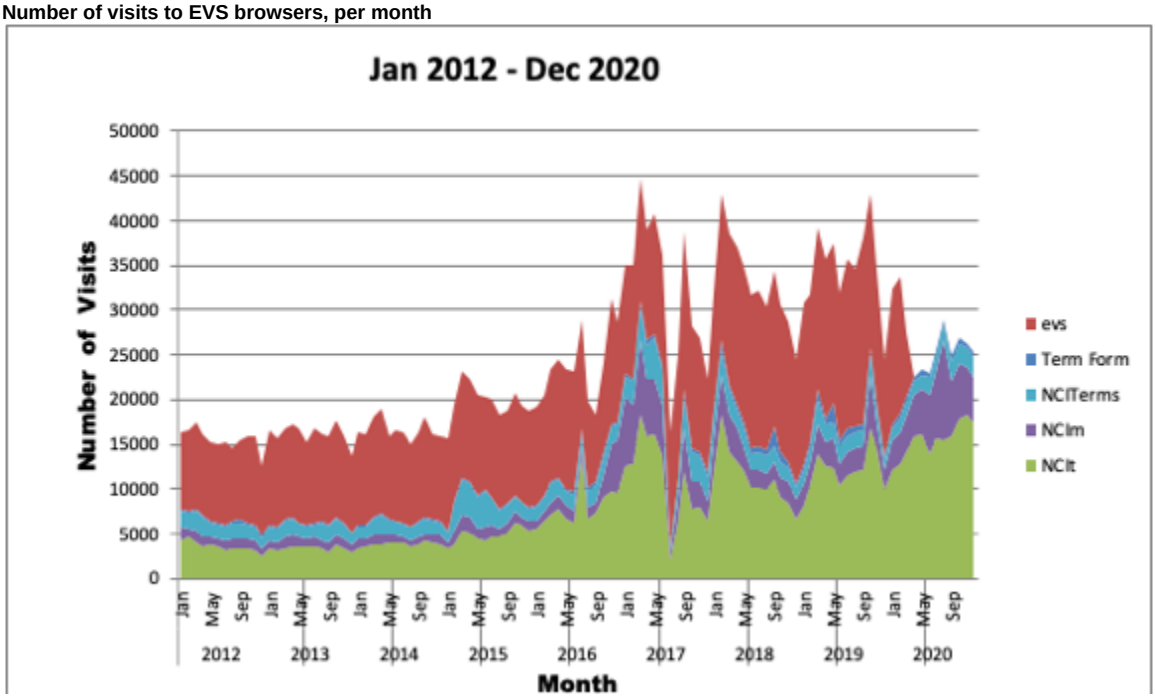
Unique visitors to EVS browsers, per month



Key

Abbreviation	*Site*
NCITerms	*NCI Term Browser (many terminologies, value sets and mappings)*
NCIt	*NCI Thesaurus Browser (now one face of NCITerms, counted separately)*
NCIm	*NCI Metathesaurus Browser (separate app, searchable from NCITerms)*
TermForm	*EVS Term Suggestion site (covered later)*

Number of visits to EVS browsers, per month



Browser Users

The data below is from January - December 2020. It shows an overall view of which internet domains hit EVS browsers most heavily, and then breaks down each domain by top users. All browsers are put together for this analysis.

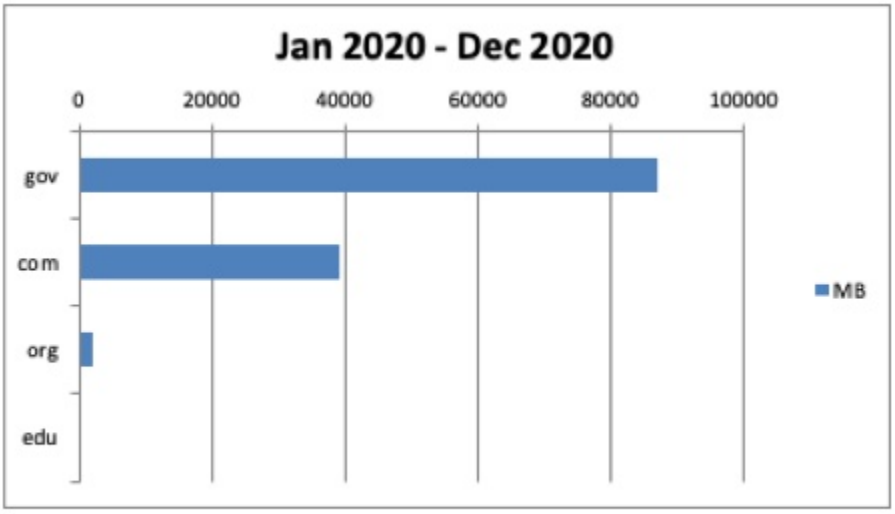
Overall Use

The amount of bandwidth used was divided into four (4) major groups: Government .gov users, private .com and .net users, Educational .edu institutions, and Organizations .org. The data was analyzed and bots were discarded to avoid skewing the data.

Data accessed (MB) from EVS browsers by domain

Domain	MB
org	87151
com	39280
gov	2052
edu	410

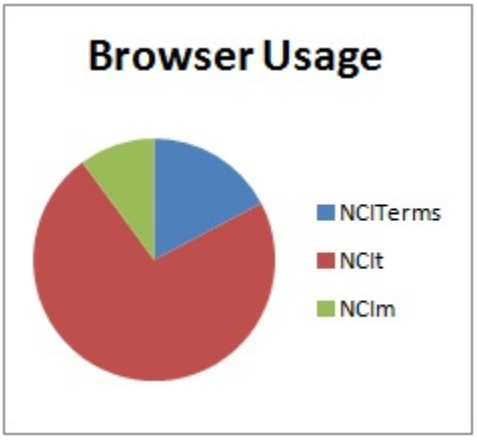
Data accessed (MB) from EVS browsers by domain



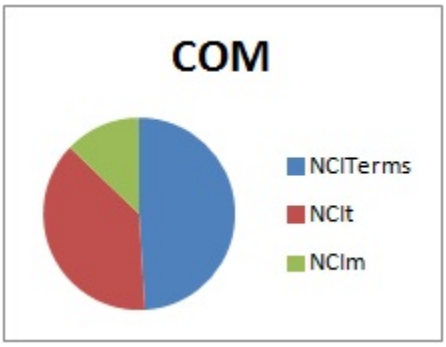
Usage Patterns of the Three EVS Browsers

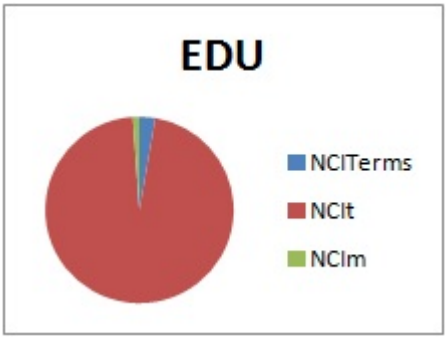
The three browsers offered by EVS are

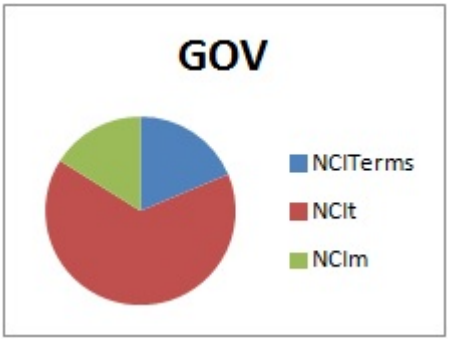
NCITerms	NCI Term Browser: Access to all terminologies, value sets and mappings.
NCIt	NCI Thesaurus Browser: Now just one face of NCITerms, but the most used and counted separately.
NCIm	NCI Metathesaurus Browser: A separate application, searchable from NCITerms.

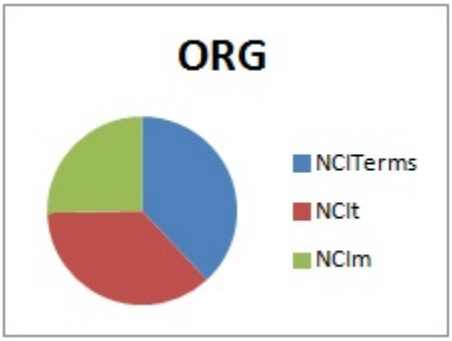


Nearly 75% of all use goes to the NCIt browser, including almost all use from the educational domain and two thirds of government use. By contrast, half of commercial domain use goes to NCI Terms, while .org use is almost evenly split between all three browsers.


COM
NCITerms
NCIt
NCIm


EDU
NCITerms
NCIt
NCIm


GOV
NCITerms
NCIt
NCIm


ORG
NCITerms
NCIt
NCIm