



MINES for Libraries®

Measuring the Impact of Networked Electronic Services
and the
Ontario Council of University Libraries' Scholars Portal

Final Report
2011



Published by the Association of Research Libraries

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Washington, DC 20036

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www.arl.org

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Ontario Council of University Libraries (OCUL)
www.ocul.on.ca

Scholars Portal
www.scholarsportal.info

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Executive Summary

- MINES for Libraries®, a transaction-based research methodology consisting of a web-based survey form and a random moments sampling plan, shows that Scholars Portal resources and additional local electronic resources are heavily used by faculty and students in all OCUL institutions collecting data from more than 34,000 uses over the course of a year from February 2010 to 2011.
- OCUL institutions through Scholars Portal and additional local electronic resources provide access to an increasing number of electronic resources. Those electronic resources are made available through Ex Libris' SFX open-URL resolver in 2010-11. SFX, the open-URL resolver, was an integral component of the 2010-11 MINES for Libraries® implementation at OCUL.
- Continuing support for Scholars Portal as well as additional institutional resources provides the ability to both leverage cooperation and meet specialized needs of local users. As a result the 2010-11 MINES for Libraries® implementation at OCUL included 19 separate survey implementations, one for each institution, leveraging a common technology and assessment infrastructure.
- As a result the 2010-11 survey implementations are addressing local needs with customized discipline categories and consortial needs by mapping the local categories to a generalizable discipline schema similar to the one used in 2004-05. Variations in the SFX delivery mechanism across institutions impose limitations regarding comparisons of the findings across institutions. Last, the SFX implementation in 2010-11 is sufficiently different from the Scholars Portal implementation for 2004-05 that care should be used when comparing the findings.
- The majority of the uses of the Scholars Portal resources are from the medical/health sciences, followed by social science and science (whereas back in 2004-05 science was the first category).
- Slightly more than half of the respondents are undergraduates (51.7%), followed by graduate professionals (32.3%), and faculty (8.56%); undergraduate use increased compared to 2004-05.
- Most respondents use these resources from off-campus (68.75%); in 2004-05 it was only 45%.
- The largest portion of the use of the Scholars Portal resources is for purposes of coursework (56.83%) with sponsored research representing

an important second highest category of use (16.75%) but less compared to 2004-05 when sponsored research represented 26% of uses.

- By identifying ever evolving trends in the use of electronic resources, the 2010-11 MINES for Libraries® study is a sound tool for OCUL to demonstrate the value of electronic resources at the consortial level and for individual libraries to understand and communicate that value to their constituents at the local level.

Introduction

As libraries implement access to electronic resources through portals, collaborations, and consortium arrangements, the MINES for Libraries® protocol offers a convenient way to collect information from users in an environment where they no longer need to physically enter the library in order to access resources.¹ MINES for Libraries® adapts a long-established methodology to account for the use of information resources in the digital environment. The survey is based on methods developed to determine the indirect costs² of conducting grant-funded R&D activities, and was adopted as part of ARL's New Measures³ program in May 2003. MINES for Libraries® is an online, transaction-based survey that collects data on the purpose of use of electronic resources and on the demographics of users. ARL has implemented this methodology in collaboration with OCUL in 2004-05⁴ and in 2010-11.⁵ This report focuses on the 2010-11 findings and provides a brief description of the differences between the two implementations.

¹ Brinley Franklin and Terry Plum. 2004. "Library usage patterns in the electronic information environment." *Information Research*, 9(4), paper 187 <http://informationr.net/ir/9-4/paper187.html>; Brinley Franklin and Terry Plum. 2003. "Documenting Usage Patterns of Networked Electronic Services." *ARL Bimonthly Report*, No. 230/231 (October/December): 20-21. <http://www.arl.org/newsltr/230/usage.html>; Brinley Franklin and Terry Plum. 2002. "Networked Electronic Services Usage Patterns at Four Academic Health Sciences Libraries." *Performance Measurement and Metrics* 3(3): 123-133. <http://www.emeraldinsight.com/1467-8047.htm>.

² Brinley Franklin. 2001. "[Academic Research Library Support of Sponsored Research in the United States](http://www.libqual.org/documents/admin/franklin.pdf)." Proceedings of the 4th Northumbria International Conference on Performance Measurement in Libraries and Information Services. Association of Research Libraries, Washington, D.C. <http://www.libqual.org/documents/admin/franklin.pdf>.

³ Blixrud, Julia C. "Mainstreaming New Measures." *ARL*, no. 230/231 (October/December 2003): 1-8. <http://www.arl.org/newsltr/230/mainstreaming.html>.

⁴ Martha Kyriallidou, Toni Olshen, Brinley Franklin, and Terry Plum, *MINES for Libraries®: Measuring the Impact of Networked Electronic Services and the Ontario Council of University Libraries' Scholar Portal, Final Report* (Washington, DC: Association of Research Libraries, January 26, 2006), from http://www.libqual.org/documents/admin/FINALREPORT_Jan26mk.pdf

⁵ Catherine Davidson, Dana Thomas, Martha Kyriallidou and Terry Plum (forthcoming). "Measuring Use of Licensed Electronic Resources: A Progress Report on the Second Iteration of the MINES for Libraries® Survey on Scholars Portal and other resources for the Ontario Council of University Libraries" *Proceedings of the 2011 Library Assessment Conference: Building Effective, Sustainable and Practical Assessment*, 2011. Preliminary findings were presented through a paper presented at the 2011 Library Assessment Conference. The methodological descriptions in this final report were originally presented at the Library Assessment Conference through the paper cited here. See <http://www.libraryassessment.org>.

OCUL (Ontario Council of University Libraries)

OCUL (<http://www.ocul.on.ca/>) is comprised of twenty-one member libraries that work cooperatively to enhance information services through consortial purchasing, resource sharing, document delivery and other activities and services. These members vary significantly in scope, disciplinary focus and in size from 870 FTE (Algoma) to 68,334 FTE (University of Toronto). Figure 1 summarizes the enrollments figures for OCUL institutions as of July 2010.

Scholars Portal

In 2001, OCUL established Scholars Portal (www.scholarsportal.info), designed to serve as an information infrastructure to deliver digital content in support of research, teaching and learning within the province's universities. In addition to digital content delivery, Scholars Portal includes a number of core services that are shared by all members, including an interlibrary loan fulfillment service (RACER), citation management software (RefWorks), and Ex Libris' SFX open-URL resolver. When MINES for Libraries® was implemented in 2004 for OCUL, the digital content being measured was comprised of e-journals (8.2 million articles from 7,219 full text electronic journals) that had been locally loaded onto the Scholars Portal platform. Since then, the number of e-journals has grown to 20 million journal articles from over 9,000 full text electronic journals. As well, extensive growth has occurred in other formats: over 90 abstracts and indexes (Search), 350,000 e-books, and portals to statistical and geospatial data collections. SFX, the open-URL resolver that connects users to this digital content, is an integral component of the 2010 implementation of MINES since it acts as the delivery mechanism by which the patron encounters the survey.

MINES for Libraries® Methodology

The MINES for Libraries® methodology has been well documented in a series of articles and on the ARL website (<http://www.arl.org/stats/initiatives/mines/index.shtml>). A bibliography of MINES is found at <http://www.arl.org/stats/initiatives/mines/minesresources.shtml>.

Kyrillidou, Olshen, Franklin, and Plum⁶ explain how MINES was used by OCUL in 2004-05. Franklin and Plum⁷ present the MINES background and how it has been used in academic and medical libraries. Kyrillidou, Plum, and Thompson⁸ examine current methodological considerations with MINES and its future developments, some of which are being implemented in OCUL 2010-11.

Briefly, MINES for Libraries[®] is an online, transaction-based, point of use, intercept, web survey methodology, in use since 2000, which collects data on the purpose of use of electronic resources and on the demographics of users. As mentioned in Franklin and Plum⁸ MINES for Libraries[®] is a:

- set of recommendations for research design
- set of recommendations for Web survey presentation
- set of recommendations for information architecture in libraries
- set of validated quality checks.

In the past the interception points for the web survey have been through rewriting proxy servers, database-to-web scripts, authentication systems, electronic resource management systems, locally developed scripts, and open-URL servers. At one library the intercept point was the campus router. If the survey can intercept usage at a virtual gateway, such as an open-URL server or the campus router, fewer respondents are missed through bookmarks, open access, etc., and the survey results are more valid.

The sampling plan for MINES is typically a randomly determined, two hour period per month over a year. As discussed in Kyrillidou, Plum, and Thompson,

Under the two-hour survey sampling plan, the MINES Web survey protocol is interested in capturing subsequent uses of the databases or e-journals after the survey is initially filled out by the

⁶ M. Kyrillidou, T. Olshen, B. Franklin, and T. Plum, "The Story Behind the Numbers: Measuring the Impact of Networked Electronic Services (MINES) and the Assessment of the Ontario Council of University Libraries' Scholars Portal," *6th Northumbria International Conference on Performance Measurement in Libraries and Information Services*, Durham, England, Aug. 23, 2005, http://www.libqual.org/documents/admin/Northumbria_2005MINES_sept20.doc.

⁷ B. Franklin and T. Plum, "Successful Web Survey Methodologies for Measuring the Impact of Networked Electronic Services (MINES for Libraries)," *IFLA Journal*, 32, 1 (2006): 28-40, <http://ifl.sagepub.com/cgi/reprint/32/1/28>.

⁸ M. Kyrillidou, T. Plum, and B. Thompson, "Evaluating Usage and Impact of Network Electronic Resources: Methods for Point of Use Web Surveys," *Serials Librarian* 59, 2 (2010): 159-183, doi: 10.1080/03615261003674057 [Based upon: M. Kyrillidou, T. Plum, and B. Thompson, "Point of Use Web Surveys for Networked Electronic Resources: Implementation and Sampling Plans," Paper presented at 8th Northumbria Conference on Performance Measurement in Libraries and Information Services, Florence, Italy August 18, 2009.]

user. Therefore, the Web survey should set up a session with a session ID to track subsequent uses of surveyed resources (typically e-journals and database) during the survey period, and write the values from the completed survey to subsequent uses for that patron. Usually the session ID is tied to the browser session.⁹

The session is the most difficult function to implement in the MINES web survey, and in some libraries it has proven to be intractable. A session is a tricky concept, and differs depending on whether the session involves just one database or e-journal source, an aggregator of databases or e-journals, several different databases or e-journals offered by different aggregators, or federated and discovery searches across numerous databases, e-journals, or aggregators. In the 2004-05 OCUL study we implemented a random moment research design, surveying a randomly chosen two hour period each month for Scholars Portal resources.

The 2010-11 implementation is using an every *n*th randomly systematic sample design, which is technically easier to implement in many ways. In OCUL 2010-11, the two hour session is replaced by an *every nth intercept randomly generated* using a random number generator that whenever it hits *n*th it presents the survey. This methodology is described in greater detail under the Random Moments Sampling section below. It is an elegant solution for which the Scholars Portal information technology administration and programmers should be acknowledged (Alan Darnell, Bilal Khalid, Vidhya Parthasarathy, and others). The **every *n*th random** solution obviates the need for sessions, since it surveys the user randomly, but does not track subsequent usage in a session. The sampling plan is still a random moments sampling plan securing all the advantages of a random sampling technique.

Random Moments Sampling

The sampling period is once every *n*th time for a 12 month period (unlike the 2004 version which ran for a random two hour period every month for 12 months). For the University of Toronto, frequency was 1 in 500 while for all the other participating institutions, the frequency was 1 in 250. By institution, a lottery selection process occurs every 250 times the SFX menu is invoked.

⁹ Kyrillidou, Plum, and Thompson, 2010.

Specifically, a random number was selected for each school between 1 and 250 at the beginning of the survey and is drawn every 250th time thereafter. When a user attempts to access content via the SFX menu, their numbered call to SFX is checked against the number randomly drawn. If his or her number matches the random number, he or she will be presented with the survey, the front-end of which resides on LimeSurvey (<http://www.limesurvey.org/>), with data being stored in ColdFusion. Using SFX to initiate the survey is accomplished using the SFX admin proxy setting. An SFX administrator can add a proxy prefix that will be automatically appended to all resources activated in SFX and that are selected for routing through the institution's proxy server. Scholars Portal programmers replaced this proxy rewrite URL with the URL of their MINES survey check script. The script checks whether the present call to SFX matches the number in the lottery draw for that cycle of 250 (or 500 in the case of Toronto) SFX menu triggers. If so, the user is presented with the survey, if not, the user proceeds to his or her resource.

The following factors were considered when deciding to implement a different nth interval for the University of Toronto. Usage of electronic resources at the University of Toronto is heavy and combined with the large size of the user population it was not deemed necessary to have a lower sampling interval as we estimated that with every 500th random moment we would approximately generate a similar number of survey responses as we did in the 2004 survey implementation, a threshold that is adequate for the University of Toronto local analysis. Since the other libraries also wanted to have a robust dataset for their user base, a lower interval was chosen for them to generate enough responses for them to generalize to their user base. The 2010-11 implementations were influenced more by the local library needs and the variation (every 500th for the University of Toronto and every 250th for the rest of the libraries) reflects this shift of balance. As a result we are underestimating the influence of the University of Toronto results in this OCUL wide report during the twelve month period when all libraries collected data.¹⁰

¹⁰ ARL will also issue an additional set of tables for OCUL that incorporates an augmented University of Toronto presence including data outside the 12 month period covered in the current report. The augmented report will include the data the University of Toronto collected from Feb 26, 2009 to May 20, 2009 (mandatory protocol implemented as an early effort) as well as data collected from Oct 26, 2009 to February 2010 (again an early effort for testing the new optional approach) in addition to February 2010 to 2011 data.

SFX Implementation and as Delivery Mechanism

The SFX implementation of MINES for Libraries® in 2010-11 is more inclusive compared to the Scholars Portal implementation in 2004-05 as it does not only include resources offered by Scholars Portal but it incorporates all the resources offered by libraries above and beyond the Scholars Portal resources as long as they are included in the SFX Knowledge Base.

The point of interception for the survey is the Ex Libris SFX openURL server, hosted by OCUL at the University of Toronto, but utilized by almost all members of OCUL. Therefore, local resources and consortial resources (Scholars Portal), e-journals and e-books, and any service that the library wishes to configure to link through SFX can be surveyed.

Ex Libris' SFX open-URL resolver is the delivery mechanism by which the user encounters the MINES survey; reliance upon the SFX knowledge base contributes to the expansion of content types being measured. OCUL has been utilizing SFX as its OpenURL link resolver since 2004-05. Today, it is a heavily-used product, triggered many times a day by most institutions within OCUL. The majority of electronic resources are linked with SFX, acting either as a SOURCE, generating requests for articles, books, other content types and services, or as a TARGET, serving as a destination for content and services.

Beyond full text resources, users may encounter additional services and resources such as virtual reference, discovery layers, library catalogues, RACER, the consortium's interlibrary loan requesting system, RefWorks, technical support forms and citation capture features via the SFX menu. Because SFX is used so ubiquitously across OCUL campuses, it is an obvious choice to initiate or invite participation in user surveys. A notable limitation of this approach is that some schools and some user groups may not implement SFX to the same degree as other OCUL members. For example, studio art and other creative arts programs in which traditional text-based research activities are not as prevalent do not utilize many of the SFX-enabled sources.

In addition to the enrollment figures, Figure 1 summarizes the responses to the MINES for Libraries® 2010-11 survey, and SFX statistics for the period 2/16/2010 to 2/17/2011 (requests and clicks). Clicks have a stronger relation with response rate and for the mandatory version of the protocol it should work out almost exactly that responses = clicks/250. When a user clicks on an option in the SFX menu, that is a click (or clickthrough), and that is the point at which a user would encounter the survey. Requests are

counted differently. Depending on the number of services displaying on a menu, an SFX menu may be counted as 1 or more requests. For example, a menu displays one full text service and one web service. This menu equals 2 requests. A menu displaying 3 full text services and no web services equals 1 request. A menu with 5 full text services, 1 print journal look up service, and 1 web service equals 3 requests. Some schools (i.e. Ryerson and Toronto) always display particular services in addition to whatever else may be available for the citation (the help web service, the JCR impact factor lookup, etc.), so their requests would be higher than institutions opting not to do this. Figures 3 and 4 show the distribution of enrollments and SFX responses (Figure 3) and clicks (Figure 4) to the surveys.

Benefits and Limitations of the SFX Methodology, Issues to Consider

Though the use of SFX has significantly expanded the resources included in MINES over the first implementation of OCUL, not every resource held by the participating institutions has the potential to generate a MINES survey. For example, there is variation in the extent to which institutions within OCUL have implemented SFX. The degree of comprehensive coverage of a library's actual electronic and print holdings depends on the resources, knowledge and diligence that library is able to dedicate to SFX knowledge base management. Only enabled (or activated) resources have the potential to generate SFX menus, and therefore MINES for Libraries® surveys. A couple of the OCUL schools had only activated a small portion of available resources at the time MINES began, so that the number of surveys seen or completed was much lower than it could have potentially been. As mentioned earlier responses will be related to clicks (or clickthroughs) but schools with lower percentage of clicks than enrollments see a lower response rate (i.e. York, OCAD and Algoma). Beyond limitations under the local library's control, there is also a limitation inherent in the SFX software. To date, the content type most represented in the SFX knowledge base is by far the electronic journal. Other resources, such as e-books, data, print journals, audio visual and other non-textual resources are underrepresented. In addition to the variety in TARGETS (content or service resources) some of the most heavily used SFX SOURCES (starting points) have not been implemented at all schools. The library catalogue, journals by title A-Z list, and Google Scholar are the most notable examples of this. Figure 2 captures the variations in the SFX delivery mechanisms across different institutions. There are sufficiently different implementations and variations that one should be careful when making comparisons across

institutions. Also, the SFX implementation in 2010-11 is sufficiently different from the Scholars Portal implementation for 2004-05 that care should be used in comparing the analysis of the two surveys.

One of the benefits presented by the SFX method is the capturing of SFX target URLs. SFX target URLs generally contain enough meaningful information to determine which vendor or publisher's content was chosen, and in many cases contains information about a journal, article, book or other resource. In the coming months we plan to analyze in depth some of the differences in usage by content type. Dana Thomas intends to perform future analysis for OCUL examining more closely whether differences in SOURCES and scope of TARGETS activated in SFX have an impact on the survey results at a school. In particular, identifying whether there are underrepresented disciplines at a particular school or underrepresented patron types would be useful.

One of the most difficult problems facing the measurement of usage of networked electronic resources in college and university libraries is the increasing impact of open access journals and articles upon the research process. Open access includes both open access journals and article pre-print, prints, or post-prints found in institutional and discipline repositories. The articles found in discipline repositories, such as arXiv.org, remain difficult to intercept from the library website or using library systems, such as SFX. However, as Collins and Walters¹¹ demonstrate more and more libraries are adding open access journals to their A-Z journal lists and open-URL resolvers; and as they do, capturing usage of open access journals, which begins with a library system, becomes more possible.

Unanticipated technology limitations found to date are DirectLink and Verde. DirectLink is an optional feature for SFX that a few of OCUL libraries have activated. DirectLink allows patrons to bypass the SFX menu and directly link to their resource. When a user is directly linking and is using Internet Explorer, the Explorer browser prevents the target URL from being stored. Similarly, users choosing to access resources not through SFX but via other means (e.g., bookmarks) will not encounter the survey. DirectLink implementations in particular will affect the number of persons who are surveyed.¹²

¹¹ C. S. Collins W. H. and Walter, "Open Access Journals in College Library Collection," *Serials Librarian* 59 (2010): 194-214, doi: 10.1080/03615261003623187.

¹² Another limitation not directly analyzed in this report, but something we will examine in future analysis, has to do

A final limitation is that our methods could not prevent nonrespondents from closing their browsers entirely. If patrons do this instead of choosing the 'no thank you' option within the survey itself, their data including the target URL will not be captured.

Ethics Review

The final difference in research design between 2004-05 and 2010-11 focuses on the ethics review. In 2004-05, the survey was mandatory for patrons in all participating libraries. In a mandatory survey, all of the questions in the point-of-use intercept survey are required. In 2010-11, ethics review boards are apparently more stringent, and the mandatory survey received approval to run only in five libraries. We used the five institutions that had approval to implement the mandatory protocol in an experimental fashion to investigate differences between mandatory and optional surveys, or questions that force a response compared to those that do not, an inquiry begun in Kyrillidou, Plum and Thompson.⁴

As noted in the 2004-05 report, all Canadian Universities must comply with the *Tri-Council Policy Statement on Ethical Conduct for Human Research Involving Humans* 1998 (Updated 2000, 2002, and 2005) put out by the Medical Research Council of Canada, the Natural Sciences and Engineering Research Council of Canada, and the Social Sciences and Humanities Research Council of Canada (<http://www.pre.ethics.gc.ca/eng/policy-politique/tcps-eptc/>). At the time of the ethics review by the various research ethics boards (REBs) for this study, the 1998 (with updates) version was the applicable edition. However, the second edition of TCPS was published in 2010, (<http://www.pre.ethics.gc.ca/eng/policy-politique/initiatives/tcps2-eptc2/Default/>). The new edition gives greater guidance with respect to research exempt from ethics review and a clarified distinction between research and quality assurance activities, which would guide further studies. This clarification is noted in Article 2.5, which states that:

with Verde, Ex Libris' ERM system, implemented by a handful of the OCUL schools. It also prevents the target URL from being captured. Some library staff members may access the MINES survey through Verde, and the URL will not be retained. Fortunately, these limitations affect only a small portion of the total results. Similar to what we have captured in Table 2, we plan to identify a list of classes of resources included in the SFX Knowledge Base by institution when we look more closely at the parsed URLs.

Quality assurance and quality improvement studies, program evaluation activities, and performance reviews, or testing within normal educational requirements when used exclusively for assessment, management or improvement purposes, do not constitute research for the purposes of this Policy, and do not fall within the scope of REB review. (TCPS 2)

In 2010-11, only five of the 20 participating libraries received permission to run the survey in mandatory mode. This total deviates significantly from the 2004-05 experience when sixteen of the participating libraries ran the survey in mandatory mode. In 2004-05 eight of the campuses exempted the study under quality assurance activities and eight campuses received approval after review. Although this difference may not be indicative of a tightening of the reviews of ethics review boards over time and the anticipation of the new regulations, the fact remains that fewer review boards permitted the mandatory survey, even though the purpose of the survey was to evaluate the effectiveness of a university institution, and could fall under quality assurance activities. Speculations as to why the mandatory studies were acceptable at one university and not at another, when the protocols for the survey submitted to the local university ethics review board were identical for all institutions, may involve the uncertain state of the TCPS at the time and its proposed revisions, which were publicly available.

Mandatory vs. Optional

This set back has nevertheless provided the research team with an opportunity. For the five libraries that received permission to run the survey in mandatory mode, an optional survey, with an opt-out, was also administered. The surveys in these five schools alternate daily between mandatory and optional over the survey year. A detailed analysis of the differences between mandatory and optional implementation is being studied in depth and results will be forthcoming by the end of the summer. A total of 4,255 surveys were collected from the mandatory protocol and are compared to 2,607 surveys collected from the optional protocol across five institutions. As is evident the response rates are higher in the mandatory protocol, but the quality of the information does not seem to differ in major ways based on an initial examination of the data. The preliminary analysis indicates relatively few differences between the mandatory and the optional protocol for those institutions that implemented both.

By comparing the results of optional and mandatory surveys using a systematic sampling plan at the same institution on alternating days, it is possible to analyze the differences, if any, between the responses of optional and mandatory surveys, thus learning about the attributes of the non-respondents of the optional surveys, and determining the possibility of bias.

The five institutions that participated in the experiments are provided with three different reports each, one that includes only the optional protocol data, one that includes the mandatory protocol data and one that combines the two datasets into one report. For comparability across institutions we recommend that readers use the overall combined report.

Encountering the MINES for Libraries® survey via SFX

Figures 5 through 9 below demonstrate the path that a user could potentially follow when encountering the MINES intercept survey through SFX, using Ryerson University as the example. The script accomplished some additional tasks as well. For the five institutions running MINES in both mandatory and optional modes, if the date was an odd number, then the user is directed to the optional survey, if the date was an even number, then the mandatory. On mandatory days, if the random number generator produced the number 250, the user was redirected to the survey until they filled out the survey, or they closed down their browser entirely. On optional days, users who chose not to participate using the non-participation options within the survey itself had their target URL and school information recorded by LimeSurvey. Users who closed the window or their browser did not have any values stored in LimeSurvey. The script also recorded the URL from which the user was coming. As long as the patron was coming from the SFX menu, the URL began with `http://sfx.scholarsportal.info/[schoolname]`. The school name was used to determine to which institution's survey the user was redirected. The script was also set to capture the URL for the resource that the user had attempted to connect to when they were selected to participate in the survey. This resource URL data allowed us to go to the same resource that the user selected, and to map the URL to the title of the resource.

Affiliation and Language Version Customization

In 2010-11 we implemented a separate survey for each institution (as opposed to a single survey on Scholars Portal back in 2004-05). Note that a couple of institutions had a version of the survey in either English or French. There were a total of 271 surveys evoked in French so the majority of the data were collected through the English version of the survey.

The local implementation allowed us the flexibility to develop customized demographics for disciplines/departamental affiliations that were mapped back to a common schema. The overall OCUL report includes only the affiliations based on the common schema, but the individual institutional reports provide information on responses regarding the local affiliation categories in addition to the standard one. This level of customization is an element we adapted from the customization process ARL established from the well-known LibQUAL+® survey.

Survey Findings

34,776 usable cases were collected from February 2010 to February 2011 in the MINES for Libraries® evaluation of the OCUL Scholars Portal survey. The new random moments sampling methodology captured a robust set of data. This section of the report summarizes the overall OCUL data.

Detailed analysis of all of the variables for each institution is presented in three additional ways: (a) through a series of PDF reports – summary tables for all OCUL institutions and institutional specific reports; (b) EXCEL files for all the tables included in the institutional PDF reports so that individual institutions may graphically produce additional graphs to be used locally; (c) the combined SPSS datafile provided for additional local analysis; the individual institution SPSS datafiles are also available through LimeSurvey with some basic interactive analysis capabilities.

OCUL and ARL will also explore additional delivery mechanisms such as interactive analysis programs using NESSTAR and other graphical tools as add-on elements that would enhance community understanding of the data and the OCUL assessment infrastructure.

Who uses electronic resources?

There were 34,776 complete responses for the Affiliation, User Status, Location and Purpose of Use questions. Table 1.1.2 presents the distribution of the respondents on these four key variables.

Only those responses that had values for Affiliation, User Status, Location and Purpose of Use were counted as complete and included in the current analysis. If a response had values for these variables, but did not have a target URL, it was counted as complete.

For this analysis, we treat the results from the University of Toronto the same as the results from the other OCUL institutions, even though the sampling plan for the University of Toronto was 1:500 and for the other OCUL institutions the sampling plan was 1:250. The impact of the University of Toronto is probably underestimated as a result (note that the proportion of clicks for Toronto is 33.86% whereas the proportion of responses is 27.48%; the proportion of enrollments represented by Toronto is 17.16%).

The subject affiliation of the majority of the respondents is medical/health sciences (27%, $n = 9,393$ respondents), followed by social sciences (21%), sciences (16%) and humanities (9.98%) (Figure 10).

Slightly more than half of the respondents are undergraduates (51.7%), followed by graduate professionals (32.3%), and faculty (8.56%) (Figure 11).

Where are the Users Located at the Point of Use?

Most respondents use these resources from off-campus (68.75%). 19.05% access the resources from on campus locations outside the library, and only 12.2% of them use electronic resources from within a library building (Figure 12). For every user of electronic resources from within a library, there are roughly 7 users of electronic resources from outside the library.

What is the Primary Purpose of Use?

Patrons could only select one purpose of use of Scholars Portal resources. 56.83% of all respondents selected *coursework* as their primary purpose of use, followed by *sponsored research* (16.75%), and *other research* activities (14.17%) (Figure 13).

A cross tabulation of purpose of use with affiliation (Table 2.1.2) shows that while *coursework* accounts for 56.83% of the total uses of electronic resources (19,762/34,776), it accounts for 67.88% (4,978/7,333) of the uses in the social sciences, 64.14% (2,225/3,469) of the uses in the humanities, 61.7% (849/1,376) of the uses in business, a combined total of about 59% of the uses in education (882/1,487) and environmental studies (467/790), 53.37% (2,977/5,578) of the uses in the sciences, 50.14% (4,710/9,393) of the uses in medical/health, and only 31.33% (757/2,416) in applied sciences.

Sponsored research is 16.75% of the use of electronic resources. Once again, usage varies by discipline category: *Sponsored research* represents 16.37% (1,538/9,393) of the uses of electronic resources in the medical/health discipline, 42.3% (1,022/2,416) in the applied sciences, 28.2% (1,573/5,578) in the sciences, only 7.2% (107/1,487) in education, and a combined total of about 9.5% in business (131/1,376) and the social sciences (715/7,333).

A cross tabulation of purpose of use with users' status (Table 2.3.1) shows that 83.13% (14,947/17,980) of the undergraduate uses were for *coursework*. Graduate professional uses showed a bit more variation, with *coursework* being the primary purpose for use (39.09%, 4,392/11,236), followed by *sponsored research* (27.97%, 3,143/11,236), and *other research purposes* (22.88%, 2,569/11,236). In contrast, the majority of the faculty use was for *sponsored research* (36.19%) and *other research purposes* (25.4%). 24.26% (722/2,976) of the faculty uses were for *teaching*.

Interestingly, a small percent of use of undergraduates was for *sponsored research* (4.07%). It could be argued that undergraduates are not as involved in sponsored research as their graduate counterparts. In this analysis, the undergraduate sponsored research value is as reported and not re-assigned.

A cross tabulation of purpose of use with location (Table 2.3.1) shows that the largest portion of the use is off-campus (68.75%, 23,903/34,776) and most of that off-campus use happens for the purposes of *coursework* (59.19%, 14,152/23,909). *Other research* and *sponsored research* comprise about 14% of off-campus uses. *On-campus but not in the library* is the second most frequent location for users of electronic resources (19.05%, 6,626/34,776). A large portion of these on-campus uses are for *coursework* (43.09%, 2,855/6,626) and *sponsored research* (30.86%, 2,045/6,626). Only 4,241 out of the 34,776 (12.2%) uses take place within the library. Of the uses within the library, 64.96% (2,755/4,241) are for *coursework* purposes, 11.6% (492/4,241) are for *other research*, and 9.69% (411/4,241) are for *sponsored research*.

Reason for Use

Unlike the other questions in the survey, patrons could select multiple reasons for use. *The importance of the resource in my field* was the most frequent reason for use of the 34,776 responses (59.1%). The second most frequent reason was by following a reference or a citation from another source (22.5%). *Recommended by a professor/colleague* (18.8%) was the next most frequent reason for use, followed by *recommended by a librarian* (7.09%) and *course reading list* (5.75%). This pattern is rather consistent across the different discipline affiliations.

There are some variations across user groups (Table 2.5.1) with 66.62% of faculty identifying *important resource in my field* as their primary reason for use, the highest percent across all other user groups. 47.09% of undergraduates also selected *important resource in my field*. Their second most popular reason was *recommended by professor/colleague* (21.3%), which was the highest selection of this reason across all other user groups. Interestingly enough, there were no major differences in the purpose of use patterns based on location (*in the library, off-campus, and on-campus but not in the library*) among undergraduates.

Where are the Users?

As indicated earlier, most use is outside the library (68.75%, (23,909/34,776) off-campus and 19.05% (6,626/34,776) on-campus, respectively). Yet from the three primary user groups – faculty, graduate professional, and undergraduates, a larger portion of undergraduates (68.73%, 2,915/4,241) use electronic resources from within the library, than graduate/professional students (18%, 764/4,241) or faculty (2.5%, 106/4,241).

A large portion of uses originated from off-campus locations for all three user groups: 72.31% (8,125/11,236) graduate/professional uses are from off-campus (the highest percent from all user groups) compared to 68.47% (12,311/17,980) for undergraduate students and 65.83% (1,959/2,976) for faculty.

30.61% (911/2,976) of faculty uses and 20.89% (2,347/11,236) of graduate professional uses are from on-campus locations, but only 15.32% (2,754/17,980) of undergraduate uses are from on-campus locations outside the library.

Some Comparisons between 2004-05 and 2010-11

Interesting differences emerge when the results from the 2004-05 and 2010-11 MINES for Libraries® implementations are examined. We have implemented a slightly different and more inclusive methodology in terms of the resources accessed, and more institutions were included in the 2010-11 implementation, two factors that have undoubtedly influenced the results of the current study and that should be kept in mind when comparing the current and previous implementations. We offer the following discussion of the notable differences between the two MINES for Libraries® implementations.

In only a few years, use of electronic resources by the health sciences/medical discipline has eclipsed electronic resource use in the sciences and social sciences among OCUL members. The humanities area has increased their use of electronic resources as well.

This may reflect two notable trends. First, the importance of health care issues and issues related to health education in an aging population could explain why use in the health sciences/medical discipline has increased so sharply. Another notable trend relates more to the scholarly publication trends of electronic resources. Five years ago, there were not as many electronic resources in the humanities as there were in the sciences. So, the increase of use of electronic resources in the humanities to some extent reflects the increased availability of electronic resources in this disciplinary area. Although use of electronic resources was wide-spread in the sciences five years ago, the distribution of availability of these resources is shifting. One of the major challenges for libraries is their ability to shift their funding strategies accordingly to support the wider range of disciplinary content that is available electronically. It is not clear how the impact of open access ejournals and repositories, primarily found in the sciences, accounts for differences in results between the two OCUL surveys. Also, it is not clear how changes in student demographics and recent economic trends may have changed the composition of the student body and the habits of students, especially with the introduction and uptake of distance education programs.

Clearly more undergraduate students use electronic resources compared to five years ago. Undergraduate education is probably becoming more research oriented and evidence seeking in its approach. As undergraduate students are involved in more research projects, they tend to utilize electronic resources more heavily. Graduate professional student use has remained remarkably stable while proportionally faculty use has shrunk.

Off campus use of electronic resources increased from 45.1% in 2004-05 to 68.7% in 2010-11, an indication of the importance that OCUL institutions are placing on increasing the availability of electronic resources. The current study reveals that this focus has yielded high return on investment. *On campus but outside the library* use and use from *within the library* decreased proportionately compared to 2004-05.

Coursework is the primary purpose of use of electronic resources in 2010-11; and while this purpose of use has increased, the second primary purpose, *sponsored research*, has decreased over time.

The increasing frequency of reason for use due to *recommended by librarian* is an intriguing and promising trend in the 2010-11 data. Though a small percentage overall, this reason for use is now occurring slightly more frequently than *course reading list*, which may indicate an increasing recognition of the usefulness of librarians as aides in the resource selection process.

In summary

The 2010-11 MINES for Libraries® study addresses a number of important issues. It builds on the 2004-05 study and takes advantage of the research environment offered by OCUL's centralized distribution of networked electronic resources. It tracks changes in usage, the makeup of users, and the purpose of use in the same universities over time to reveal differences in the patterns of use. It demonstrates the efficacy of a point-of-use intercept survey enabled through the open-URL SFX server and is an example for other libraries that are considering this commonly used technology to obtain similar information about their user groups. Forthcoming analyses will highlight differences in the results between optional and mandatory survey implementation, which could draw important conclusions about non-respondents in optional surveys. The study also highlights the benefits of utilizing an *nth* intercept methodology as an alternative to a random moment methodology, which, in turn, suggests how the every *nth* survey sampling plan could be used continually to create a true culture of assessment that is less invasive and that produces data that are scalable and generalizable. By identifying ever evolving trends in the use of electronic resources, the 2010-11 MINES for Libraries® study is a sound tool for OCUL to demonstrate the value of electronic resources at the consortial level and for individual libraries to understand and communicate that value to their constituents at the local level. Future studies may consider exploring additional details of the user characteristics including satisfaction as well as the direct value users derive from different electronic resources and potential linkages to teaching, research and learning outcomes.

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Figure 13. Frequency of Use of Electronic Resources by Primary Purpose of Use

Figure 1. OCUL Partner Institutions' Enrollments as of July 2010, Responses to MINES for Libraries(R), and SFX Statistics from 2/16/2010 to 2/17/2011

| Institution | Enrollment | Enrollment_ % | Responses | Response_ % | Requests | Requests_ % | %Responses / Requests | Clicks | Clicks_ % | %Responses / Clicks | Mandatory |
|----------------------|----------------|---------------|---------------|-------------|-------------------|-------------|-----------------------|-------------------|------------|---------------------|-----------|
| ALGOMA | 870 | 0.22 | 4 | 0.01 | 277 | 0.00 | n/a | 7 | 0.00 | n/a | no |
| BROCK | 14,557 | 3.66 | 853 | 2.45 | 601,828 | 1.73 | 0.14 | 494,575 | 3.10 | 0.17 | no |
| CARLETON | 20,743 | 5.21 | 823 | 2.37 | 344,226 | 0.99 | 0.24 | 255,644 | 1.60 | 0.32 | yes & no |
| GUELPH | 21,452 | 5.39 | 739 | 2.13 | 1,137,105 | 3.26 | 0.06 | 938,778 | 5.88 | 0.08 | no |
| LAKEHEAD | 7,583 | 1.90 | 371 | 1.07 | 268,805 | 0.77 | 0.14 | 214,357 | 1.34 | 0.17 | no |
| LAURENTIAN | 7,630 | 1.92 | 492 | 1.41 | 339,570 | 0.97 | 0.14 | 217,761 | 1.36 | 0.23 | no |
| LAURIER | 14,054 | 3.53 | 1,135 | 3.26 | 629,389 | 1.81 | 0.18 | 457,800 | 2.87 | 0.25 | no |
| MCMASTER | 24,944 | 6.27 | 3,432 | 9.87 | 2,151,042 | 6.17 | 0.16 | 1,683,937 | 10.55 | 0.20 | no |
| NIPISSING | 5,535 | 1.39 | 370 | 1.06 | 134,269 | 0.39 | 0.28 | 88,377 | 0.55 | 0.42 | yes & no |
| OTTAWA (Combined) | 32,230 | 8.09 | 3,317 | 9.54 | 5,148,809 | 14.78 | 0.06 | 1,253,532 | 7.86 | 0.26 | no |
| QUEENS | 20,751 | 5.21 | 2,232 | 6.42 | 988,976 | 2.84 | 0.23 | 846,918 | 5.31 | 0.26 | no |
| RYERSON | 26,841 | 6.74 | 2,604 | 7.49 | 1,162,386 | 3.34 | 0.22 | 799,225 | 5.01 | 0.33 | yes & no |
| TORONTO | 68,334 | 17.16 | 9,557 | 27.48 | 14,609,167 | 41.93 | 0.07 | 5,402,897 | 33.86 | 0.18 | no |
| TRENT | 7,030 | 1.77 | 645 | 1.85 | 436,249 | 1.25 | 0.15 | 301,185 | 1.89 | 0.21 | no |
| UOIT | 5,147 | 1.29 | 212 | 0.61 | 103,411 | 0.30 | 0.21 | 71,364 | 0.45 | 0.30 | yes & no |
| WATERLOO | 27,674 | 6.95 | 2,191 | 6.30 | 3,054,847 | 8.77 | 0.07 | 796,361 | 4.99 | 0.28 | no |
| WESTERN | 33,119 | 8.32 | 2,953 | 8.49 | 1,650,191 | 4.74 | 0.18 | 883,561 | 5.54 | 0.33 | yes & no |
| WINDSOR | 14,419 | 3.62 | 962 | 2.77 | 1,082,477 | 3.11 | 0.09 | 479,514 | 3.01 | 0.20 | no |
| YORK | 45,235 | 11.36 | 1,884 | 5.42 | 1,000,089 | 2.87 | 0.19 | 768,603 | 4.82 | 0.25 | no |
| Sub | 398,148 | 100 | 34,776 | 100 | 34,843,113 | 100 | n/a | 15,954,396 | 100 | n/a | - |

Figure 2. Variations in the SFX Delivery Mechanism across Participating Libraries

| Institution | Uses az list? | SFX from OPAC? | Google Scholar? | Citation linker? | bx? | PRIMO?/ Discovery layer? |
|-------------------|---------------|----------------|-----------------|------------------|-----|--------------------------|
| ALGOMA | | | | | | |
| BROCK | YES | NO | YES | YES | | |
| CAMH | | | | | | |
| CARLETON | NO | NO | YES | YES | YES | |
| DURHAM | | | | | | |
| GUELPH | YES | NO | YES | YES | YES | YES |
| LAKEHEAD | YES | YES | YES | YES | YES | NO |
| LAURENTIAN | YES | YES | YES | YES | NO | NO |
| LAURIER | YES | NO | YES | YES | YES | YES |
| MCMASTER | YES | YES | YES | YES | YES | NO |
| NIPISSING | YES | NO | YES | YES | YES | NO |
| OCAD | YES | NO | NO | YES | NO | NO |
| OTTAWA | YES | NO | YES | YES | NO | NO |
| QUEENS | NO | NO | YES | YES | NO | YES |
| RMC | | | | | | |
| RYERSON | YES | YES | YES | YES | NO | NO |
| TORONTO | YES | NO | YES | YES | YES | NO |
| TRENT | YES | NO | YES | YES | NO | NO |
| UHN | | | | | | |
| UOIT | NO | NO | YES | YES | NO | NO |
| UOIT | NO | NO | YES | YES | NO | NO |
| WATERLOO | YES | YES | YES | YES | YES | YES |
| WESTERN | YES | YES | YES | YES | YES | NO |
| WINDSOR | YES | YES | YES | YES | YES | NO |
| YORK | NO | NO | YES | YES | NO | NO |

Figure 3. Distribution of OCUL Partner Institutions' Enrollments as of July 2010, Responses to MINES for Libraries(R), and SFX Statistics (Requests) from 2/16/2010 to 2/17/2011

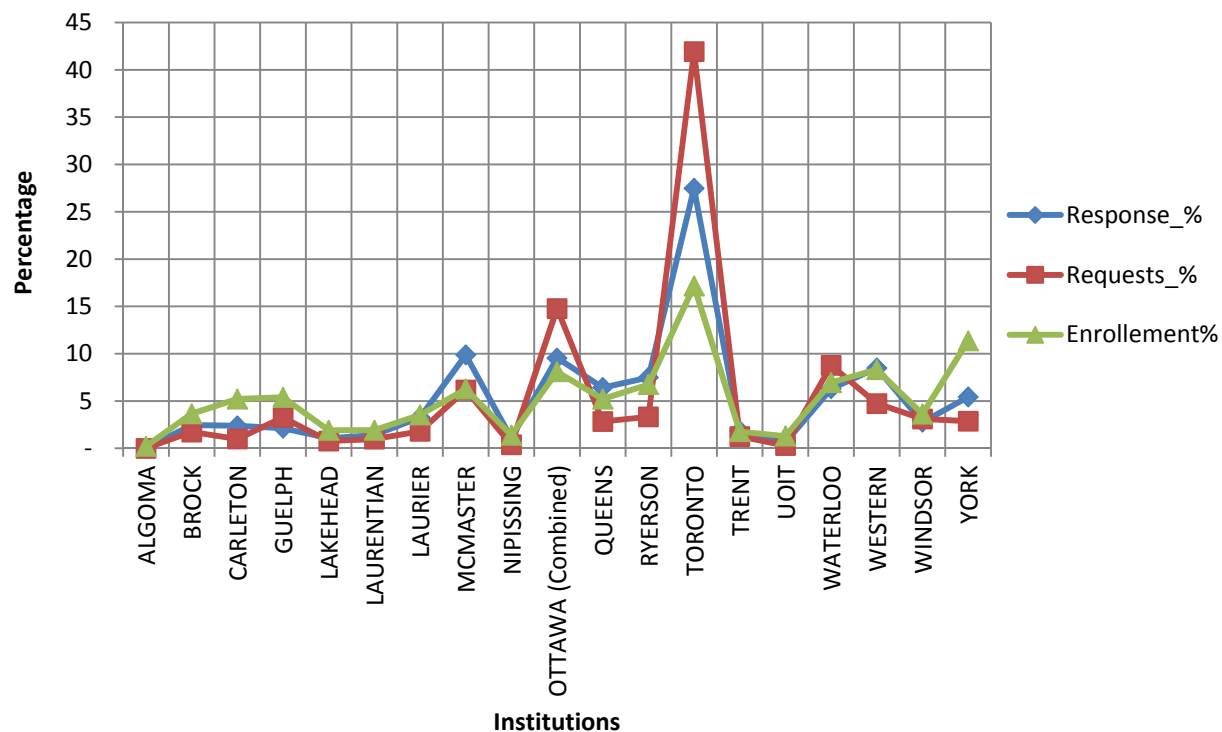


Figure 4. Distribution of OCUL Partner Institutions' Enrollments as of July 2010, Responses to MINES for Libraries(R), and SFX Statistics (Clicks) from 2/16/2010 to 2/17/2011

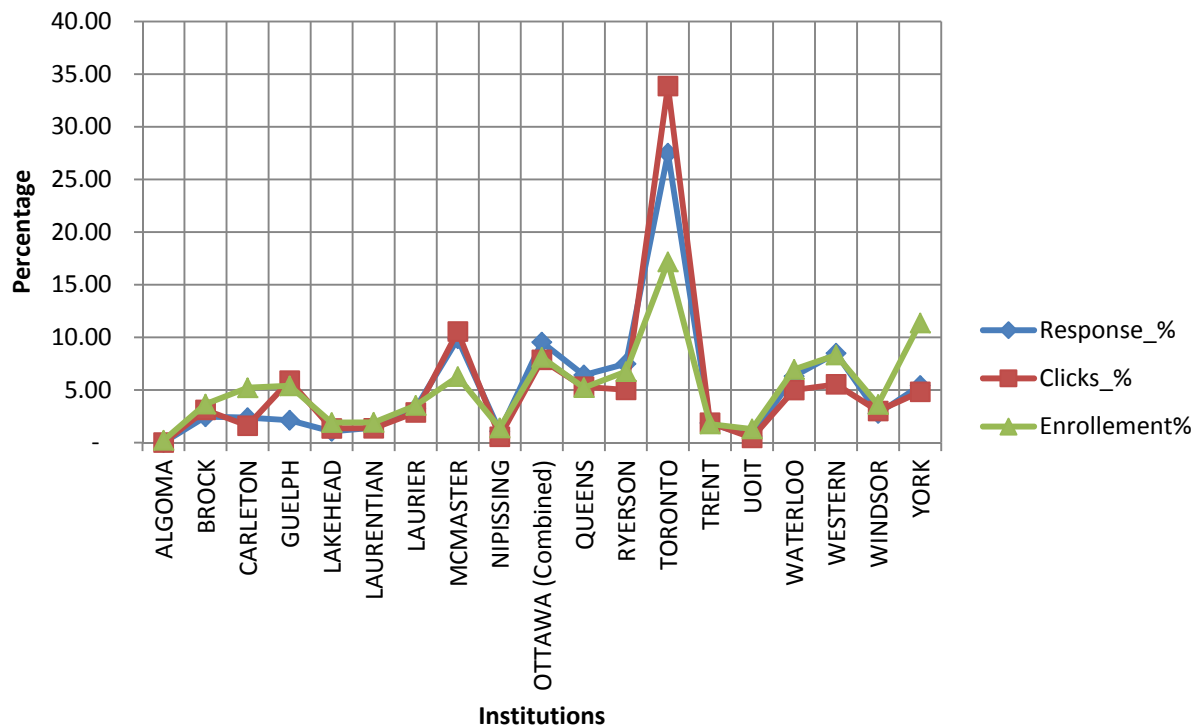


Figure 5: SFX source with Get it! link



Figure 6. SFX menu with full text target and other target services

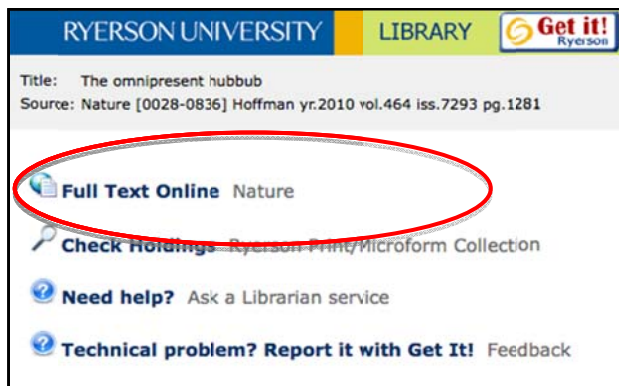


Figure 7: SFX debugging screenshot

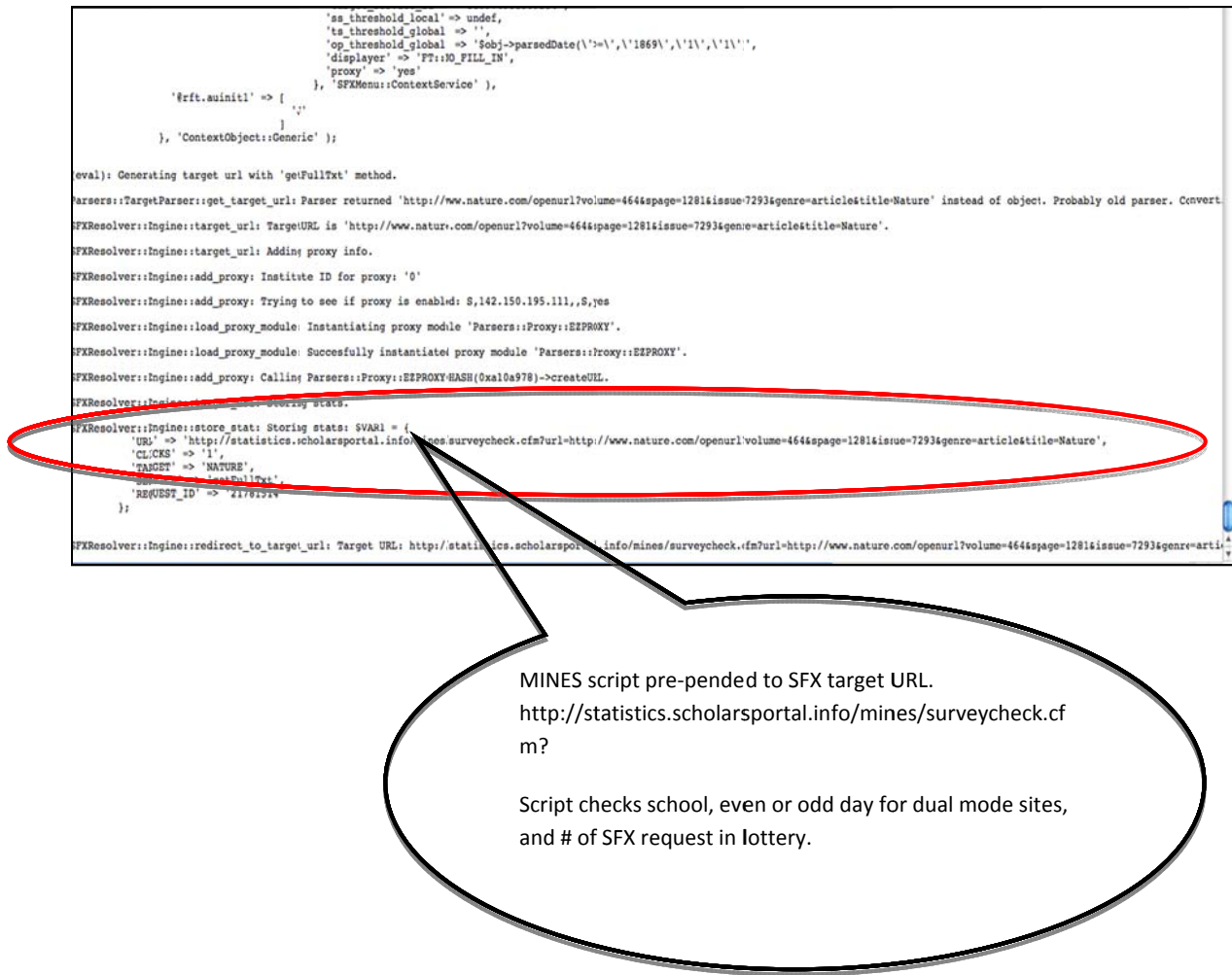



Figure 8: MINES survey using LimeSurvey software. Ryerson's optional survey



Electronic Resources Library User Survey - Ryerson

Your feedback matters!

- This survey has only **five questions**
- Takes **less than a minute** to complete
- Responses are anonymous and will help us better meet your needs

Thank you for your time.

Ryerson University is participating in a province-wide survey of electronic resources usage to evaluate how well Ontario University libraries are meeting your needs.

For more information about this survey or if you do not want to participate in this survey, please click [here](#)

Patron Status

- ☐ Undergraduate Student
- ☐ Graduate/Professional Student
- ☐ Faculty
- ☐ Staff
- ☐ Library Staff
- ☐ Other:

What is your primary disciplinary affiliation or major field of study?

- ☐ Applied Science and Engineering
- ☐ Business
- ☐ Education
- ☐ Environmental Studies
- ☐ Fine Arts
- ☐ Humanities
- ☐ Law
- ☐ Medical/Health Sciences
- ☐ Sciences

User gets directed to the proper MINES Survey or to their resource, as appropriate.

Figure 9. Target URL delivers patron to their resource following completion of the survey

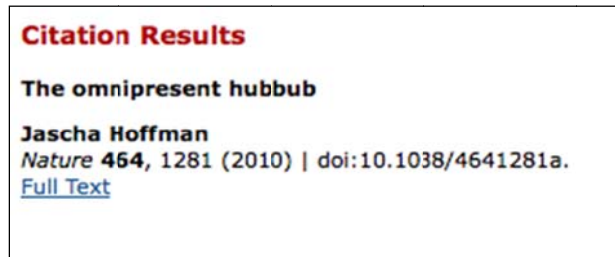


Figure 10: Frequency of Use of Electronic Resources by Affiliation

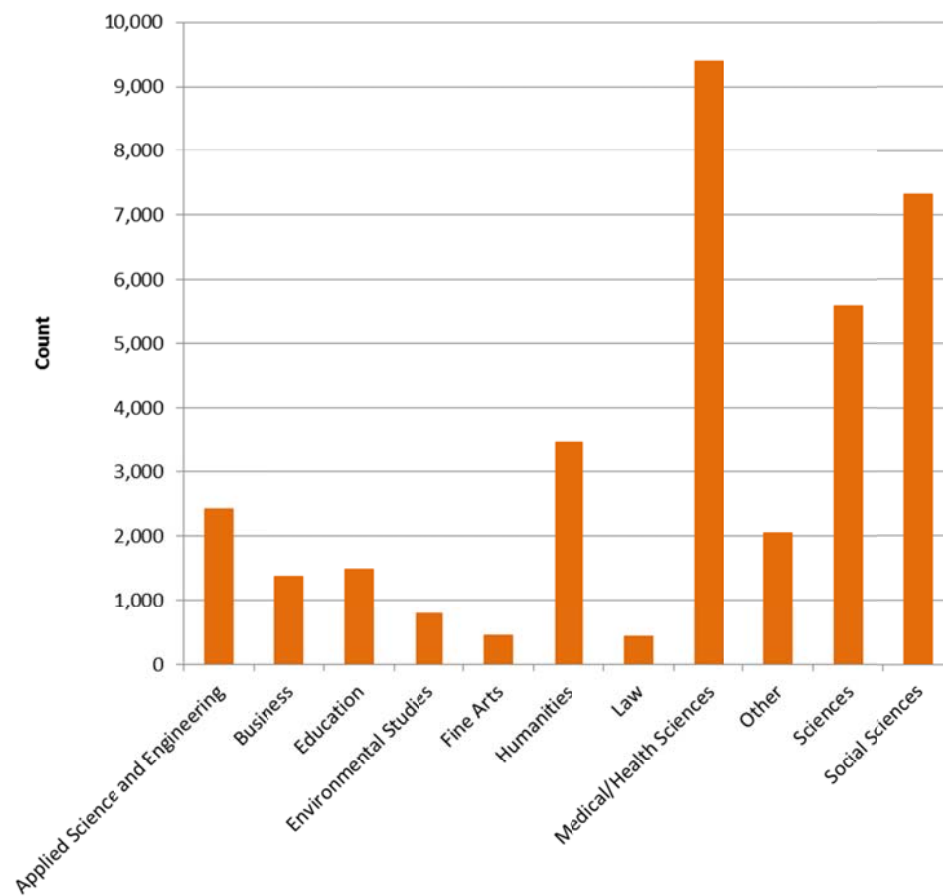


Figure 11. Frequency of Use of Electronic Resources by User Status

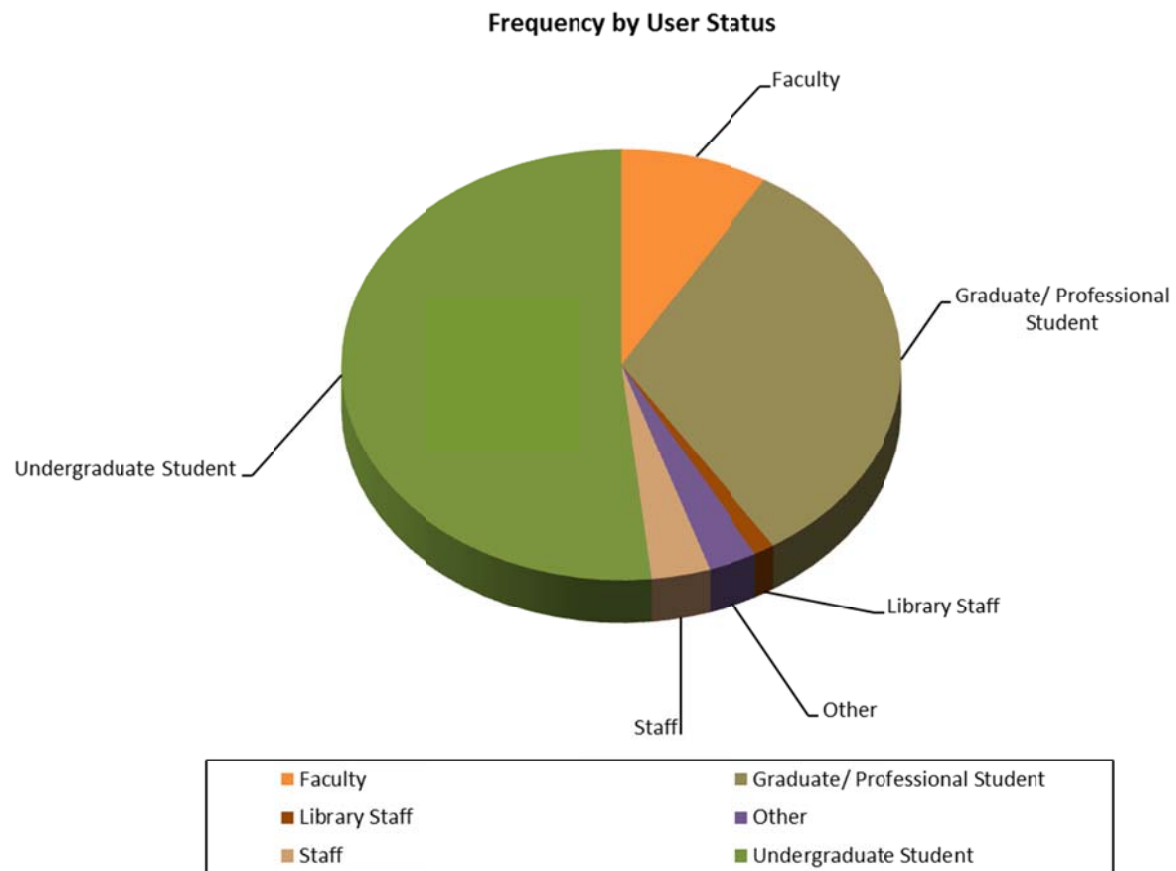


Figure 12. Frequency of Use of Electronic Resources by Location

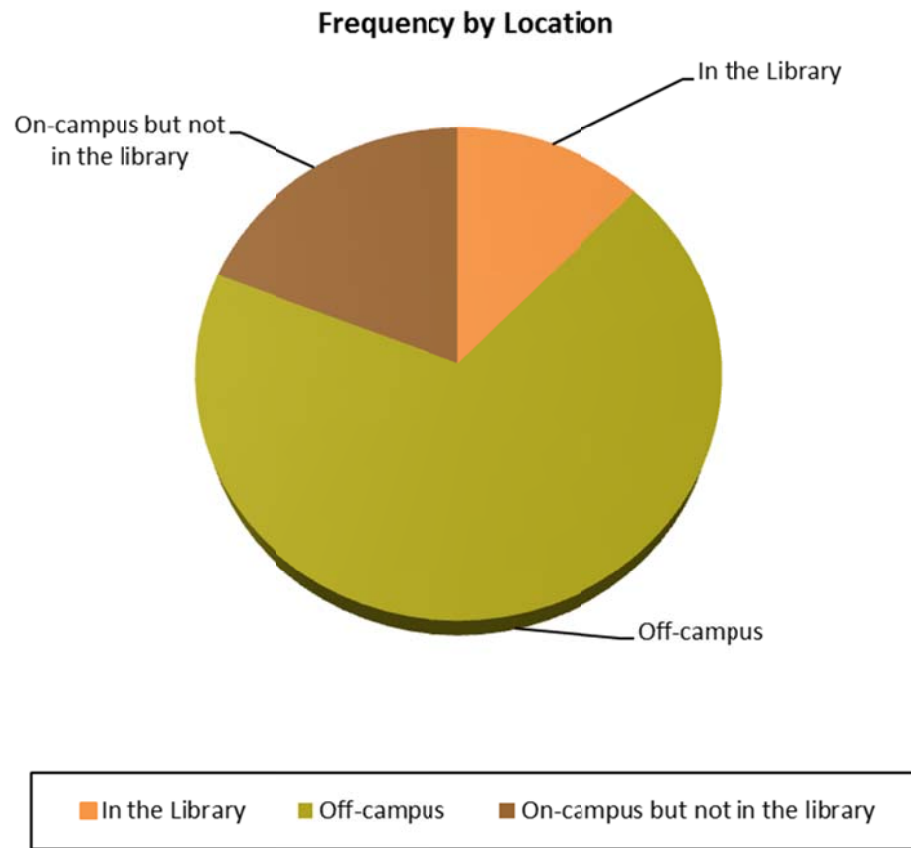


Figure 13. Frequency of Use of Electronic Resources by Primary Purpose of Use

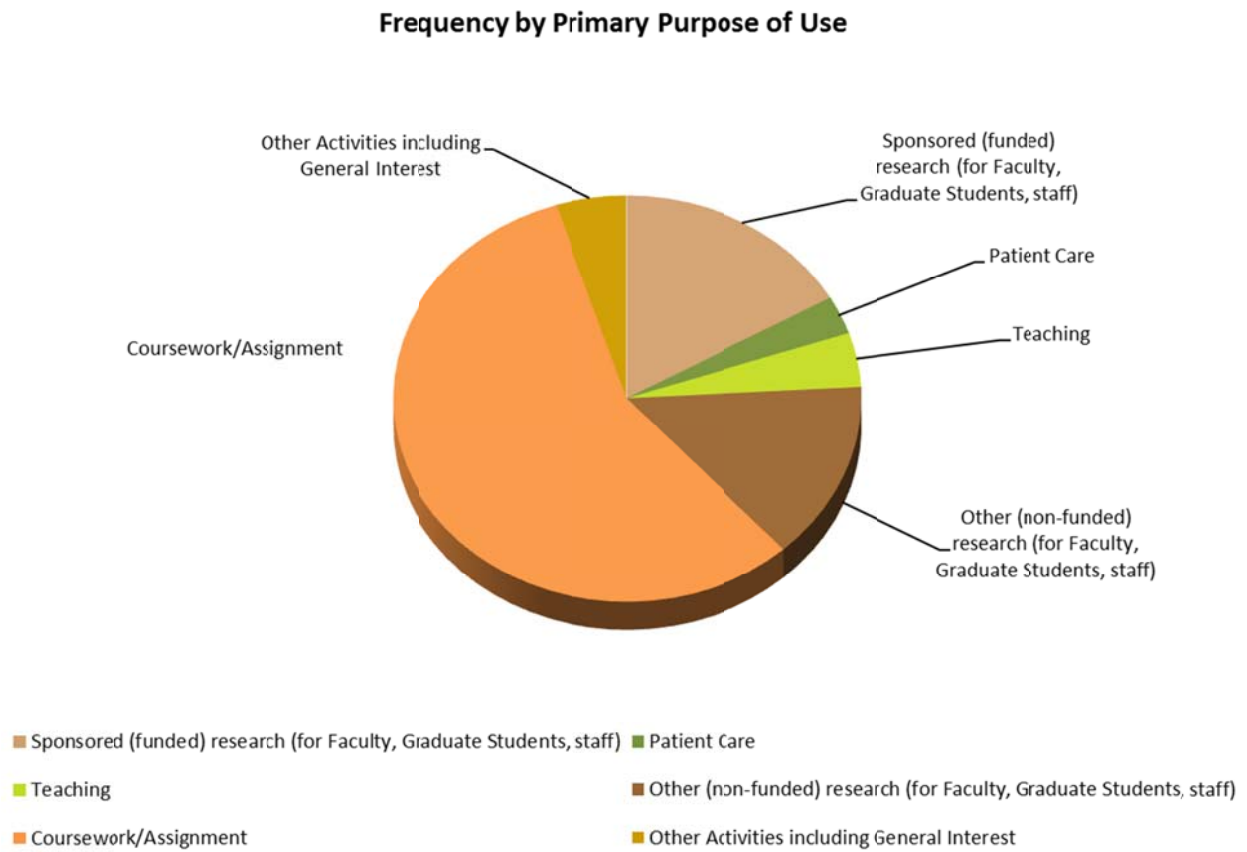


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Table 1.1.1 Frequency by Institution

| | Mandatory | Optional | Total |
|--------------|------------------|-----------------|---------------|
| Algoma | 0 | 4 | 4 |
| Brock | 0 | 853 | 853 |
| Carleton | 459 | 364 | 823 |
| Guelph | 0 | 739 | 739 |
| Lakehead | 0 | 371 | 371 |
| Laurentian | 0 | 492 | 492 |
| Laurier | 0 | 1,135 | 1,135 |
| McMaster | 0 | 3,432 | 3,432 |
| Nipissing | 226 | 144 | 370 |
| Ottawa | 0 | 3,317 | 3,317 |
| Queens | 0 | 2,232 | 2,232 |
| Ryerson | 1,660 | 944 | 2,604 |
| Toronto | 0 | 9,557 | 9,557 |
| Trent | 0 | 645 | 645 |
| UOIT | 112 | 100 | 212 |
| Waterloo | 0 | 2,191 | 2,191 |
| Western | 1,798 | 1,155 | 2,953 |
| Windsor | 0 | 962 | 962 |
| York | 0 | 1,884 | 1,884 |
| Total | 4,255 | 30,521 | 34,776 |

Table 1.1.2 Frequency by Affiliation (Standard)

| Affiliation | n | % |
|---------------------------------|---------------|----------------|
| Applied Science and Engineering | 2,416 | 6.95% |
| Business | 1,376 | 3.96% |
| Education | 1,487 | 4.28% |
| Environmental Studies | 790 | 2.27% |
| Fine Arts | 456 | 1.31% |
| Humanities | 3,469 | 9.98% |
| Law | 432 | 1.24% |
| Medical/Health Sciences | 9,393 | 27.01% |
| Other | 2,046 | 5.88% |
| Sciences | 5,578 | 16.04% |
| Social Sciences | 7,333 | 21.09% |
| Total | 34,776 | 100.00% |

Table 1.2 Frequency by User Status

| Status | n | % |
|--------------------------------|---------------|----------------|
| Faculty | 2,976 | 8.56% |
| Graduate/ Professional Student | 7,617 | 21.90% |
| Graduate/Professional Student | 3,619 | 10.41% |
| Library Staff | 413 | 1.19% |
| Other | 1,005 | 2.89% |
| Staff | 1,166 | 3.35% |
| Undergraduate Student | 17,980 | 51.70% |
| Total | 34,776 | 100.00% |

Table 1.3 Frequency by Location

| Location | n | % |
|----------------------------------|---------------|----------------|
| In the Library | 4,241 | 12.20% |
| Off-campus | 23,909 | 68.75% |
| On-campus but not in the library | 6,626 | 19.05% |
| Total | 34,776 | 100.00% |

Table 1.4 Frequency by Purpose

| Purpose | n | % |
|---|---------------|----------------|
| Coursework/ Assignment | 15,242 | 43.83% |
| Teaching | 1,500 | 4.31% |
| Patient Care | 1,060 | 3.05% |
| Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 4,929 | 14.17% |
| Coursework/Assignment | 4,520 | 13.00% |
| Other Activities including General Interest | 1,700 | 4.89% |
| Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 5,825 | 16.75% |
| Total | 34,776 | 100.00% |

Table 1.5 Frequencies by Reason for Use

| | Selected | Not Selected | Total |
|---|------------------|---------------------|-------------------|
| Reference/citation from another source | 7,841 22.55% | 26,935 77.45% | 34,776 100.00% |
| Course reading list | 2,000 5.75% | 32,776 94.25% | 34,776 100.00% |
| Important resource in my field | 20,554 59.10% | 14,222 40.90% | 34,776 100.00% |
| Recommended by a librarian | 2,464 7.09% | 32,312 92.91% | 34,776 100.00% |
| Recommended by a professor/colleague | 6,323 18.18% | 28,453 81.82% | 34,776 100.00% |

Table 2.1.1 Affiliation * Purpose of Use

| | | n | % Group | % All |
|--|---|--------------|----------------|--------------|
| Applied Science and Engineering | Coursework/ Assignment | 534 | 22.10% | 1.54% |
| | Coursework/Assignment | 223 | 9.23% | 0.64% |
| | Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 392 | 16.23% | 1.13% |
| | Other Activities including General Interest | 133 | 5.50% | 0.38% |
| | Patient Care | 37 | 1.53% | 0.11% |
| | Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 1,022 | 42.30% | 2.94% |
| | Teaching | 75 | 3.10% | 0.22% |
| | Total | 2,416 | 100.00% | 6.95% |
| Business | Coursework/ Assignment | 708 | 51.45% | 2.04% |
| | Coursework/Assignment | 141 | 10.25% | 0.41% |
| | Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 249 | 18.10% | 0.72% |
| | Other Activities including General Interest | 83 | 6.03% | 0.24% |
| | Patient Care | 20 | 1.45% | 0.06% |
| | Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 131 | 9.52% | 0.38% |
| | Teaching | 44 | 3.20% | 0.13% |
| | Total | 1,376 | 100.00% | 3.96% |
| Education | Coursework/ Assignment | 632 | 42.50% | 1.82% |
| | Coursework/Assignment | 250 | 16.81% | 0.72% |
| | Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 263 | 17.69% | 0.76% |
| | Other Activities including General Interest | 51 | 3.43% | 0.15% |
| | Patient Care | 16 | 1.08% | 0.05% |
| | Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 107 | 7.20% | 0.31% |
| | Teaching | 168 | 11.30% | 0.48% |
| | Total | 1,487 | 100.00% | 4.28% |
| Environmental Studies | Coursework/ Assignment | 442 | 55.95% | 1.27% |
| | Coursework/Assignment | 25 | 3.16% | 0.07% |
| | Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 124 | 15.70% | 0.36% |
| | Other Activities including General Interest | 29 | 3.67% | 0.08% |
| | Patient Care | 11 | 1.39% | 0.03% |

| | | Final Report | | |
|--------------------------------|---|--------------|----------------|--------------|
| | | n | % Group | % All |
| Environmental Studies | Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 137 | 17.34% | 0.39% |
| | Teaching | 22 | 2.78% | 0.06% |
| | Total | 790 | 100.00% | 2.27% |
| Fine Arts | Coursework/ Assignment | 242 | 53.07% | 0.70% |
| | Coursework/Assignment | 48 | 10.53% | 0.14% |
| | Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 64 | 14.04% | 0.18% |
| | Other Activities including General Interest | 36 | 7.89% | 0.10% |
| | Patient Care | 9 | 1.97% | 0.03% |
| | Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 37 | 8.11% | 0.11% |
| | Teaching | 20 | 4.39% | 0.06% |
| | Total | 456 | 100.00% | 1.31% |
| Humanities | Coursework/ Assignment | 1,447 | 41.71% | 4.16% |
| | Coursework/Assignment | 778 | 22.43% | 2.24% |
| | Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 494 | 14.24% | 1.42% |
| | Other Activities including General Interest | 172 | 4.96% | 0.49% |
| | Patient Care | 21 | 0.61% | 0.06% |
| | Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 366 | 10.55% | 1.05% |
| | Teaching | 191 | 5.51% | 0.55% |
| | Total | 3,469 | 100.00% | 9.98% |
| Law | Coursework/ Assignment | 180 | 41.67% | 0.52% |
| | Coursework/Assignment | 58 | 13.43% | 0.17% |
| | Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 83 | 19.21% | 0.24% |
| | Other Activities including General Interest | 35 | 8.10% | 0.10% |
| | Patient Care | 6 | 1.39% | 0.02% |
| | Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 56 | 12.96% | 0.16% |
| | Teaching | 14 | 3.24% | 0.04% |
| | Total | 432 | 100.00% | 1.24% |
| Medical/Health Sciences | Coursework/ Assignment | 3,796 | 40.41% | 10.92% |
| | Coursework/Assignment | 914 | 9.73% | 2.63% |
| | Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 1,366 | 14.54% | 3.93% |

| | | Final Report | | |
|--------------------------------|---|---------------|----------------|----------------|
| | | n | % Group | % All |
| Medical/Health Sciences | Other Activities including General Interest | 414 | 4.41% | 1.19% |
| | Patient Care | 816 | 8.69% | 2.35% |
| | Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 1,538 | 16.37% | 4.42% |
| | Teaching | 549 | 5.84% | 1.58% |
| | Total | 9,393 | 100.00% | 27.01% |
| Other | Coursework/ Assignment | 1,239 | 60.56% | 3.56% |
| | Coursework/Assignment | 150 | 7.33% | 0.43% |
| | Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 241 | 11.78% | 0.69% |
| | Other Activities including General Interest | 171 | 8.36% | 0.49% |
| | Patient Care | 38 | 1.86% | 0.11% |
| | Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 143 | 6.99% | 0.41% |
| | Teaching | 64 | 3.13% | 0.18% |
| | Total | 2,046 | 100.00% | 5.88% |
| Sciences | Coursework/ Assignment | 1,925 | 34.51% | 5.54% |
| | Coursework/Assignment | 1,052 | 18.86% | 3.03% |
| | Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 572 | 10.25% | 1.64% |
| | Other Activities including General Interest | 293 | 5.25% | 0.84% |
| | Patient Care | 45 | 0.81% | 0.13% |
| | Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 1,573 | 28.20% | 4.52% |
| | Teaching | 118 | 2.12% | 0.34% |
| | Total | 5,578 | 100.00% | 16.04% |
| Social Sciences | Coursework/ Assignment | 4,097 | 55.87% | 11.78% |
| | Coursework/Assignment | 881 | 12.01% | 2.53% |
| | Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 1,081 | 14.74% | 3.11% |
| | Other Activities including General Interest | 283 | 3.86% | 0.81% |
| | Patient Care | 41 | 0.56% | 0.12% |
| | Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 715 | 9.75% | 2.06% |
| | Teaching | 235 | 3.20% | 0.68% |
| | Total | 7,333 | 100.00% | 21.09% |
| Total | | 34,776 | 100.00% | 100.00% |

Table 2.1.2 Purpose of Use * Affiliation

| | | n | | % All |
|--|---------------------------------|---------------|----------------|---------------|
| | | % Group | | |
| Coursework/ Assignment | Applied Science and Engineering | 534 | 3.50% | 1.54% |
| | Business | 708 | 4.65% | 2.04% |
| | Education | 632 | 4.15% | 1.82% |
| | Environmental Studies | 442 | 2.90% | 1.27% |
| | Fine Arts | 242 | 1.59% | 0.70% |
| | Humanities | 1,447 | 9.49% | 4.16% |
| | Law | 180 | 1.18% | 0.52% |
| | Medical/Health Sciences | 3,796 | 24.90% | 10.92% |
| | Other | 1,239 | 8.13% | 3.56% |
| | Sciences | 1,925 | 12.63% | 5.54% |
| | Social Sciences | 4,097 | 26.88% | 11.78% |
| | Total | 15,242 | 100.00% | 43.83% |
| Coursework/Assignment | Applied Science and Engineering | 223 | 4.93% | 0.64% |
| | Business | 141 | 3.12% | 0.41% |
| | Education | 250 | 5.53% | 0.72% |
| | Environmental Studies | 25 | 0.55% | 0.07% |
| | Fine Arts | 48 | 1.06% | 0.14% |
| | Humanities | 778 | 17.21% | 2.24% |
| | Law | 58 | 1.28% | 0.17% |
| | Medical/Health Sciences | 914 | 20.22% | 2.63% |
| | Other | 150 | 3.32% | 0.43% |
| | Sciences | 1,052 | 23.27% | 3.03% |
| | Social Sciences | 881 | 19.49% | 2.53% |
| | Total | 4,520 | 100.00% | 13.00% |
| Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | Applied Science and Engineering | 392 | 7.95% | 1.13% |
| | Business | 249 | 5.05% | 0.72% |
| | Education | 263 | 5.34% | 0.76% |
| | Environmental Studies | 124 | 2.52% | 0.36% |

| | | Final Report | | |
|--|---------------------------------|--------------|----------------|---------------|
| | | n | % Group | % All |
| Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | Fine Arts | 64 | 1.30% | 0.18% |
| | Humanities | 494 | 10.02% | 1.42% |
| | Law | 83 | 1.68% | 0.24% |
| | Medical/Health Sciences | 1,366 | 27.71% | 3.93% |
| | Other | 241 | 4.89% | 0.69% |
| | Sciences | 572 | 11.60% | 1.64% |
| | Social Sciences | 1,081 | 21.93% | 3.11% |
| | Total | 4,929 | 100.00% | 14.17% |
| Other Activities including General Interest | Applied Science and Engineering | 133 | 7.82% | 0.38% |
| | Business | 83 | 4.88% | 0.24% |
| | Education | 51 | 3.00% | 0.15% |
| | Environmental Studies | 29 | 1.71% | 0.08% |
| | Fine Arts | 36 | 2.12% | 0.10% |
| | Humanities | 172 | 10.12% | 0.49% |
| | Law | 35 | 2.06% | 0.10% |
| | Medical/Health Sciences | 414 | 24.35% | 1.19% |
| | Other | 171 | 10.06% | 0.49% |
| | Sciences | 293 | 17.24% | 0.84% |
| | Social Sciences | 283 | 16.65% | 0.81% |
| | Total | 1,700 | 100.00% | 4.89% |
| Patient Care | Applied Science and Engineering | 37 | 3.49% | 0.11% |
| | Business | 20 | 1.89% | 0.06% |
| | Education | 16 | 1.51% | 0.05% |
| | Environmental Studies | 11 | 1.04% | 0.03% |
| | Fine Arts | 9 | 0.85% | 0.03% |
| | Humanities | 21 | 1.98% | 0.06% |
| | Law | 6 | 0.57% | 0.02% |
| | Medical/Health Sciences | 816 | 76.98% | 2.35% |
| | Other | 38 | 3.58% | 0.11% |
| | Sciences | 45 | 4.25% | 0.13% |

| | | Final Report | | |
|--|---------------------------------|---------------|----------------|----------------|
| | | n | % Group | % All |
| Patient Care | Social Sciences | 41 | 3.87% | 0.12% |
| | Total | 1,060 | 100.00% | 3.05% |
| Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | Applied Science and Engineering | 1,022 | 17.55% | 2.94% |
| | Business | 131 | 2.25% | 0.38% |
| | Education | 107 | 1.84% | 0.31% |
| | Environmental Studies | 137 | 2.35% | 0.39% |
| | Fine Arts | 37 | 0.64% | 0.11% |
| | Humanities | 366 | 6.28% | 1.05% |
| | Law | 56 | 0.96% | 0.16% |
| | Medical/Health Sciences | 1,538 | 26.40% | 4.42% |
| | Other | 143 | 2.45% | 0.41% |
| | Sciences | 1,573 | 27.00% | 4.52% |
| | Social Sciences | 715 | 12.27% | 2.06% |
| | Total | 5,825 | 100.00% | 16.75% |
| Teaching | Applied Science and Engineering | 75 | 5.00% | 0.22% |
| | Business | 44 | 2.93% | 0.13% |
| | Education | 168 | 11.20% | 0.48% |
| | Environmental Studies | 22 | 1.47% | 0.06% |
| | Fine Arts | 20 | 1.33% | 0.06% |
| | Humanities | 191 | 12.73% | 0.55% |
| | Law | 14 | 0.93% | 0.04% |
| | Medical/Health Sciences | 549 | 36.60% | 1.58% |
| | Other | 64 | 4.27% | 0.18% |
| | Sciences | 118 | 7.87% | 0.34% |
| | Social Sciences | 235 | 15.67% | 0.68% |
| | Total | 1,500 | 100.00% | 4.31% |
| Total | | 34,776 | 100.00% | 100.00% |

Table 2.3.1 User Status * Purpose of Use

| | | n | % Group | % All |
|---|---|--------------|----------------|---------------|
| Faculty | Coursework/ Assignment | 68 | 2.28% | 0.20% |
| | Coursework/Assignment | 23 | 0.77% | 0.07% |
| | Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 756 | 25.40% | 2.17% |
| | Other Activities including General Interest | 129 | 4.33% | 0.37% |
| | Patient Care | 201 | 6.75% | 0.58% |
| | Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 1,077 | 36.19% | 3.10% |
| | Teaching | 722 | 24.26% | 2.08% |
| | Total | 2,976 | 100.00% | 8.56% |
| Graduate/ Professional Student | Coursework/ Assignment | 3,044 | 39.96% | 8.75% |
| | Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 1,843 | 24.20% | 5.30% |
| | Other Activities including General Interest | 274 | 3.60% | 0.79% |
| | Patient Care | 189 | 2.48% | 0.54% |
| | Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 2,063 | 27.08% | 5.93% |
| | Teaching | 204 | 2.68% | 0.59% |
| | Total | 7,617 | 100.00% | 21.90% |
| Graduate/Professional Student | Coursework/Assignment | 1,348 | 37.25% | 3.88% |
| | Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 726 | 20.06% | 2.09% |
| | Other Activities including General Interest | 147 | 4.06% | 0.42% |
| | Patient Care | 187 | 5.17% | 0.54% |
| | Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 1,080 | 29.84% | 3.11% |

| | | Final Report | | |
|--------------------------------------|---|--------------|----------------|---------------|
| | | n | % Group | % All |
| Graduate/Professional Student | Teaching | 131 | 3.62% | 0.38% |
| | Total | 3,619 | 100.00% | 10.41% |
| Library Staff | Coursework/ Assignment | 42 | 10.17% | 0.12% |
| | Coursework/Assignment | 23 | 5.57% | 0.07% |
| | Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 83 | 20.10% | 0.24% |
| | Other Activities including General Interest | 123 | 29.78% | 0.35% |
| | Patient Care | 32 | 7.75% | 0.09% |
| | Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 44 | 10.65% | 0.13% |
| | Teaching | 66 | 15.98% | 0.19% |
| | Total | 413 | 100.00% | 1.19% |
| Other | Coursework/ Assignment | 163 | 16.22% | 0.47% |
| | Coursework/Assignment | 33 | 3.28% | 0.09% |
| | Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 172 | 17.11% | 0.49% |
| | Other Activities including General Interest | 207 | 20.60% | 0.60% |
| | Patient Care | 96 | 9.55% | 0.28% |
| | Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 278 | 27.66% | 0.80% |
| | Teaching | 56 | 5.57% | 0.16% |
| | Total | 1,005 | 100.00% | 2.89% |
| Staff | Coursework/ Assignment | 53 | 4.55% | 0.15% |
| | Coursework/Assignment | 18 | 1.54% | 0.05% |
| | Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 220 | 18.87% | 0.63% |
| | Other Activities including General Interest | 100 | 8.58% | 0.29% |

| | | Final Report | | |
|------------------------------|---|---------------|----------------|----------------|
| | | n | % Group | % All |
| Staff | Patient Care | 92 | 7.89% | 0.26% |
| | Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 551 | 47.26% | 1.58% |
| | Teaching | 132 | 11.32% | 0.38% |
| | Total | 1,166 | 100.00% | 3.35% |
| Undergraduate Student | Coursework/ Assignment | 11,872 | 66.03% | 34.14% |
| | Coursework/Assignment | 3,075 | 17.10% | 8.84% |
| | Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 1,129 | 6.28% | 3.25% |
| | Other Activities including General Interest | 720 | 4.00% | 2.07% |
| | Patient Care | 263 | 1.46% | 0.76% |
| | Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 732 | 4.07% | 2.10% |
| | Teaching | 189 | 1.05% | 0.54% |
| | Total | 17,980 | 100.00% | 51.70% |
| Total | | 34,776 | 100.00% | 100.00% |

Table 2.3.2 Purpose of Use * User Status

| | | n | % Group | % All |
|-------------------------------|--------------------------------|---------------|----------------|---------------|
| Coursework/ Assignment | Faculty | 68 | 0.45% | 0.20% |
| | Graduate/ Professional Student | 3,044 | 19.97% | 8.75% |
| | Library Staff | 42 | 0.28% | 0.12% |
| | Other | 163 | 1.07% | 0.47% |
| | Staff | 53 | 0.35% | 0.15% |
| | Undergraduate Student | 11,872 | 77.89% | 34.14% |
| | Total | 15,242 | 100.00% | 43.83% |
| Coursework/Assignment | Faculty | 23 | 0.51% | 0.07% |
| | Graduate/Professional Student | 1,348 | 29.82% | 3.88% |

| | | Final Report | | |
|--|--------------------------------|--------------|----------------|---------------|
| | | n | % Group | % All |
| Coursework/Assignment | Library Staff | 23 | 0.51% | 0.07% |
| | Other | 33 | 0.73% | 0.09% |
| | Staff | 18 | 0.40% | 0.05% |
| | Undergraduate Student | 3,075 | 68.03% | 8.84% |
| | Total | 4,520 | 100.00% | 13.00% |
| Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | Faculty | 756 | 15.34% | 2.17% |
| | Graduate/ Professional Student | 1,843 | 37.39% | 5.30% |
| | Graduate/Professional Student | 726 | 14.73% | 2.09% |
| | Library Staff | 83 | 1.68% | 0.24% |
| | Other | 172 | 3.49% | 0.49% |
| | Staff | 220 | 4.46% | 0.63% |
| | Undergraduate Student | 1,129 | 22.91% | 3.25% |
| | Total | 4,929 | 100.00% | 14.17% |
| Other Activities including General Interest | Faculty | 129 | 7.59% | 0.37% |
| | Graduate/ Professional Student | 274 | 16.12% | 0.79% |
| | Graduate/Professional Student | 147 | 8.65% | 0.42% |
| | Library Staff | 123 | 7.24% | 0.35% |
| | Other | 207 | 12.18% | 0.60% |
| | Staff | 100 | 5.88% | 0.29% |
| | Undergraduate Student | 720 | 42.35% | 2.07% |
| | Total | 1,700 | 100.00% | 4.89% |
| Patient Care | Faculty | 201 | 18.96% | 0.58% |
| | Graduate/ Professional Student | 189 | 17.83% | 0.54% |
| | Graduate/Professional Student | 187 | 17.64% | 0.54% |
| | Library Staff | 32 | 3.02% | 0.09% |
| | Other | 96 | 9.06% | 0.28% |
| | Staff | 92 | 8.68% | 0.26% |
| | Undergraduate Student | 263 | 24.81% | 0.76% |
| | Total | 1,060 | 100.00% | 3.05% |
| Sponsored (Funded) Research (For Faculty | Faculty | 1,077 | 18.49% | 3.10% |

| | | Final Report | | |
|--|--------------------------------|---------------|----------------|----------------|
| | | n | % Group | % All |
| Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | Graduate/ Professional Student | 2,063 | 35.42% | 5.93% |
| | Graduate/Professional Student | 1,080 | 18.54% | 3.11% |
| | Library Staff | 44 | 0.76% | 0.13% |
| | Other | 278 | 4.77% | 0.80% |
| | Staff | 551 | 9.46% | 1.58% |
| | Undergraduate Student | 732 | 12.57% | 2.10% |
| | Total | 5,825 | 100.00% | 16.75% |
| Teaching | Faculty | 722 | 48.13% | 2.08% |
| | Graduate/ Professional Student | 204 | 13.60% | 0.59% |
| | Graduate/Professional Student | 131 | 8.73% | 0.38% |
| | Library Staff | 66 | 4.40% | 0.19% |
| | Other | 56 | 3.73% | 0.16% |
| | Staff | 132 | 8.80% | 0.38% |
| | Undergraduate Student | 189 | 12.60% | 0.54% |
| | Total | 1,500 | 100.00% | 4.31% |
| Total | | 34,776 | 100.00% | 100.00% |

Table 2.3.1 Location * Purpose of Use

| | | n % Group % All | | |
|---|---|-----------------|----------------|---------------|
| In the Library | Coursework/ Assignment | 2,076 | 48.95% | 5.97% |
| | Coursework/Assignment | 679 | 16.01% | 1.95% |
| | Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 492 | 11.60% | 1.41% |
| | Other Activities including General Interest | 274 | 6.46% | 0.79% |
| | Patient Care | 113 | 2.66% | 0.32% |
| | Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 411 | 9.69% | 1.18% |
| | Teaching | 196 | 4.62% | 0.56% |
| | Total | 4,241 | 100.00% | 12.20% |
| Off-campus | Coursework/ Assignment | 10,904 | 45.61% | 31.35% |
| | Coursework/Assignment | 3,248 | 13.58% | 9.34% |
| | Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 3,425 | 14.33% | 9.85% |
| | Other Activities including General Interest | 1,224 | 5.12% | 3.52% |
| | Patient Care | 829 | 3.47% | 2.38% |
| | Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 3,369 | 14.09% | 9.69% |
| | Teaching | 910 | 3.81% | 2.62% |
| | Total | 23,909 | 100.00% | 68.75% |
| On-campus but not in the library | Coursework/ Assignment | 2,262 | 34.14% | 6.50% |
| | Coursework/Assignment | 593 | 8.95% | 1.71% |
| | Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | 1,012 | 15.27% | 2.91% |
| | Other Activities including General Interest | 202 | 3.05% | 0.58% |
| | Patient Care | 118 | 1.78% | 0.34% |

| | | Final Report | | |
|---|---|---------------|----------------|----------------|
| | | n | % Group | % All |
| On-campus but not in the library | Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | 2,045 | 30.86% | 5.88% |
| | Teaching | 394 | 5.95% | 1.13% |
| | Total | 6,626 | 100.00% | 19.05% |
| Total | | 34,776 | 100.00% | 100.00% |

Table 2.3.2 Purpose of Use * Location

| | | n | % Group | % All |
|--|----------------------------------|---------------|----------------|---------------|
| Coursework/ Assignment | In the Library | 2,076 | 13.62% | 5.97% |
| | Off-campus | 10,904 | 71.54% | 31.35% |
| | On-campus but not in the library | 2,262 | 14.84% | 6.50% |
| | Total | 15,242 | 100.00% | 43.83% |
| Coursework/Assignment | In the Library | 679 | 15.02% | 1.95% |
| | Off-campus | 3,248 | 71.86% | 9.34% |
| | On-campus but not in the library | 593 | 13.12% | 1.71% |
| | Total | 4,520 | 100.00% | 13.00% |
| Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | In the Library | 492 | 9.98% | 1.41% |
| | Off-campus | 3,425 | 69.49% | 9.85% |
| | On-campus but not in the library | 1,012 | 20.53% | 2.91% |
| | Total | 4,929 | 100.00% | 14.17% |
| Other Activities including General Interest | In the Library | 274 | 16.12% | 0.79% |
| | Off-campus | 1,224 | 72.00% | 3.52% |
| | On-campus but not in the library | 202 | 11.88% | 0.58% |
| | Total | 1,700 | 100.00% | 4.89% |
| Patient Care | In the Library | 113 | 10.66% | 0.32% |
| | Off-campus | 829 | 78.21% | 2.38% |
| | On-campus but not in the library | 118 | 11.13% | 0.34% |
| | Total | 1,060 | 100.00% | 3.05% |
| Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | In the Library | 411 | 7.06% | 1.18% |
| | Off-campus | 3,369 | 57.84% | 9.69% |

| | | n | % Group | % All |
|--|----------------------------------|---------------|----------------|----------------|
| Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | On-campus but not in the library | 2,045 | 35.11% | 5.88% |
| | Total | 5,825 | 100.00% | 16.75% |
| Teaching | In the Library | 196 | 13.07% | 0.56% |
| | Off-campus | 910 | 60.67% | 2.62% |
| | On-campus but not in the library | 394 | 26.27% | 1.13% |
| | Total | 1,500 | 100.00% | 4.31% |
| Total | | 34,776 | 100.00% | 100.00% |

Table 2.4.1 Affiliation * Reason for Use

| | | n % Group | |
|--|--|------------------|----------------|
| Applied Science and Engineering | Reference/citation from another source | 549 | 19.39% |
| | Course reading list | 92 | 3.25% |
| | Important resource in my field | 1,597 | 56.41% |
| | Recommended by a librarian | 171 | 6.04% |
| | Recommended by a professor/colleague | 422 | 14.91% |
| | Total | 2,831 | 100.00% |
| Business | Reference/citation from another source | 257 | 16.58% |
| | Course reading list | 112 | 7.23% |
| | Important resource in my field | 689 | 44.45% |
| | Recommended by a librarian | 123 | 7.94% |
| | Recommended by a professor/colleague | 369 | 23.81% |
| | Total | 1,550 | 100.00% |
| Education | Reference/citation from another source | 301 | 19.49% |
| | Course reading list | 131 | 8.48% |
| | Important resource in my field | 733 | 47.47% |
| | Recommended by a librarian | 95 | 6.15% |
| | Recommended by a professor/colleague | 284 | 18.39% |
| | Total | 1,544 | 100.00% |
| Environmental Studies | Reference/citation from another source | 186 | 20.69% |
| | Course reading list | 32 | 3.56% |
| | Important resource in my field | 487 | 54.17% |
| | Recommended by a librarian | 52 | 5.78% |
| | Recommended by a professor/colleague | 142 | 15.80% |
| | Total | 899 | 100.00% |
| Fine Arts | Reference/citation from another source | 93 | 18.42% |
| | Course reading list | 26 | 5.15% |
| | Important resource in my field | 259 | 51.29% |
| | Recommended by a librarian | 35 | 6.93% |
| | Recommended by a professor/colleague | 92 | 18.22% |

| | | n % Group | |
|--------------------------------|--|---------------|----------------|
| Fine Arts | Total | 505 | 100.00% |
| Humanities | Reference/citation from another source | 722 | 19.07% |
| | Course reading list | 226 | 5.97% |
| | Important resource in my field | 1,911 | 50.48% |
| | Recommended by a librarian | 235 | 6.21% |
| | Recommended by a professor/colleague | 692 | 18.28% |
| | Total | 3,786 | 100.00% |
| Law | Reference/citation from another source | 117 | 26.17% |
| | Course reading list | 24 | 5.37% |
| | Important resource in my field | 207 | 46.31% |
| | Recommended by a librarian | 34 | 7.61% |
| | Recommended by a professor/colleague | 65 | 14.54% |
| | Total | 447 | 100.00% |
| Medical/Health Sciences | Reference/citation from another source | 2,197 | 20.41% |
| | Course reading list | 470 | 4.37% |
| | Important resource in my field | 5,936 | 55.15% |
| | Recommended by a librarian | 702 | 6.52% |
| | Recommended by a professor/colleague | 1,459 | 13.55% |
| | Total | 10,764 | 100.00% |
| Other | Reference/citation from another source | 473 | 22.42% |
| | Course reading list | 131 | 6.21% |
| | Important resource in my field | 1,012 | 47.96% |
| | Recommended by a librarian | 147 | 6.97% |
| | Recommended by a professor/colleague | 347 | 16.45% |
| | Total | 2,110 | 100.00% |
| Sciences | Reference/citation from another source | 1,290 | 19.55% |
| | Course reading list | 224 | 3.40% |
| | Important resource in my field | 3,585 | 54.34% |
| | Recommended by a librarian | 388 | 5.88% |
| | Recommended by a professor/colleague | 1,110 | 16.83% |

| | | n % Group | |
|------------------------|--|------------------|----------------|
| Sciences | Total | 6,597 | 100.00% |
| Social Sciences | Reference/citation from another source | 1,656 | 20.32% |
| | Course reading list | 532 | 6.53% |
| | Important resource in my field | 4,138 | 50.78% |
| | Recommended by a librarian | 482 | 5.91% |
| | Recommended by a professor/colleague | 1,341 | 16.46% |
| | Total | 8,149 | 100.00% |

Table 2.4.2 Reason for Use * Affiliation

| | | n % Group | |
|---|---------------------------------|------------------|----------------|
| Reference/citation from another source | Applied Science and Engineering | 549 | 7.00% |
| | Business | 257 | 3.28% |
| | Education | 301 | 3.84% |
| | Environmental Studies | 186 | 2.37% |
| | Fine Arts | 93 | 1.19% |
| | Humanities | 722 | 9.21% |
| | Law | 117 | 1.49% |
| | Medical/Health Sciences | 2,197 | 28.02% |
| | Other | 473 | 6.03% |
| | Sciences | 1,290 | 16.45% |
| | Social Sciences | 1,656 | 21.12% |
| | Total | 7,841 | 100.00% |
| Course reading list | Applied Science and Engineering | 92 | 4.60% |
| | Business | 112 | 5.60% |
| | Education | 131 | 6.55% |
| | Environmental Studies | 32 | 1.60% |
| | Fine Arts | 26 | 1.30% |
| | Humanities | 226 | 11.30% |
| | Law | 24 | 1.20% |
| | Medical/Health Sciences | 470 | 23.50% |

| | | n % Group | |
|---|---------------------------------|------------------|----------------|
| Course reading list | Other | 131 | 6.55% |
| | Sciences | 224 | 11.20% |
| | Social Sciences | 532 | 26.60% |
| | Total | 2,000 | 100.00% |
| Important resource in my field | Applied Science and Engineering | 1,597 | 7.77% |
| | Business | 689 | 3.35% |
| | Education | 733 | 3.57% |
| | Environmental Studies | 487 | 2.37% |
| | Fine Arts | 259 | 1.26% |
| | Humanities | 1,911 | 9.30% |
| | Law | 207 | 1.01% |
| | Medical/Health Sciences | 5,936 | 28.88% |
| | Other | 1,012 | 4.92% |
| | Sciences | 3,585 | 17.44% |
| | Social Sciences | 4,138 | 20.13% |
| | Total | 20,554 | 100.00% |
| Recommended by a librarian | Applied Science and Engineering | 171 | 6.94% |
| | Business | 123 | 4.99% |
| | Education | 95 | 3.86% |
| | Environmental Studies | 52 | 2.11% |
| | Fine Arts | 35 | 1.42% |
| | Humanities | 235 | 9.54% |
| | Law | 34 | 1.38% |
| | Medical/Health Sciences | 702 | 28.49% |
| | Other | 147 | 5.97% |
| | Sciences | 388 | 15.75% |
| | Social Sciences | 482 | 19.56% |
| | Total | 2,464 | 100.00% |
| Recommended by a professor/colleague | Applied Science and Engineering | 422 | 6.67% |
| | Business | 369 | 5.84% |

| | | n % Group | |
|---|-------------------------|------------------|----------------|
| Recommended by a professor/colleague | Education | 284 | 4.49% |
| | Environmental Studies | 142 | 2.25% |
| | Fine Arts | 92 | 1.46% |
| | Humanities | 692 | 10.94% |
| | Law | 65 | 1.03% |
| | Medical/Health Sciences | 1,459 | 23.07% |
| | Other | 347 | 5.49% |
| | Sciences | 1,110 | 17.55% |
| | Social Sciences | 1,341 | 21.21% |
| | Total | 6,323 | 100.00% |

Table 2.5.1 User Status * Reason for Use

| | | n | % Group |
|---------------------------------------|--|--------------|----------------|
| Faculty | Reference/citation from another source | 742 | 23.65% |
| | Course reading list | 105 | 3.35% |
| | Important resource in my field | 2,090 | 66.62% |
| | Recommended by a librarian | 87 | 2.77% |
| | Recommended by a professor/colleague | 113 | 3.60% |
| | Total | 3,137 | 100.00% |
| Graduate/ Professional Student | Reference/citation from another source | 2,093 | 24.56% |
| | Course reading list | 292 | 3.43% |
| | Important resource in my field | 4,806 | 56.40% |
| | Recommended by a librarian | 337 | 3.95% |
| | Recommended by a professor/colleague | 993 | 11.65% |
| | Total | 8,521 | 100.00% |
| Graduate/Professional Student | Reference/citation from another source | 807 | 19.55% |
| | Course reading list | 217 | 5.26% |
| | Important resource in my field | 2,391 | 57.94% |
| | Recommended by a librarian | 211 | 5.11% |
| | Recommended by a professor/colleague | 501 | 12.14% |
| | Total | 4,127 | 100.00% |
| Library Staff | Reference/citation from another source | 100 | 29.24% |
| | Course reading list | 36 | 10.53% |
| | Important resource in my field | 115 | 33.63% |
| | Recommended by a librarian | 54 | 15.79% |
| | Recommended by a professor/colleague | 37 | 10.82% |
| | Total | 342 | 100.00% |
| Other | Reference/citation from another source | 206 | 20.10% |
| | Course reading list | 31 | 3.02% |
| | Important resource in my field | 610 | 59.51% |
| | Recommended by a librarian | 49 | 4.78% |
| | Recommended by a professor/colleague | 129 | 12.59% |

| | | n | % Group |
|------------------------------|--|---------------|----------------|
| Other | Total | 1,025 | 100.00% |
| Staff | Reference/citation from another source | 267 | 21.27% |
| | Course reading list | 47 | 3.75% |
| | Important resource in my field | 759 | 60.48% |
| | Recommended by a librarian | 57 | 4.54% |
| | Recommended by a professor/colleague | 125 | 9.96% |
| | Total | 1,255 | 100.00% |
| Undergraduate Student | Reference/citation from another source | 3,626 | 17.45% |
| | Course reading list | 1,272 | 6.12% |
| | Important resource in my field | 9,783 | 47.09% |
| | Recommended by a librarian | 1,669 | 8.03% |
| | Recommended by a professor/colleague | 4,425 | 21.30% |
| | Total | 20,775 | 100.00% |

Table 2.5.2 Reason for Use * User Status

| | | n | % Group |
|---|--------------------------------|--------------|----------------|
| Reference/citation from another source | Faculty | 742 | 9.46% |
| | Graduate/ Professional Student | 2,093 | 26.69% |
| | Graduate/Professional Student | 807 | 10.29% |
| | Library Staff | 100 | 1.28% |
| | Other | 206 | 2.63% |
| | Staff | 267 | 3.41% |
| | Undergraduate Student | 3,626 | 46.24% |
| | Total | 7,841 | 100.00% |
| Course reading list | Faculty | 105 | 5.25% |
| | Graduate/ Professional Student | 292 | 14.60% |
| | Graduate/Professional Student | 217 | 10.85% |
| | Library Staff | 36 | 1.80% |
| | Other | 31 | 1.55% |
| | Staff | 47 | 2.35% |

| | | n % Group | |
|---|--------------------------------|---------------|----------------|
| Course reading list | Undergraduate Student | 1,272 | 63.60% |
| | Total | 2,000 | 100.00% |
| Important resource in my field | Faculty | 2,090 | 10.17% |
| | Graduate/ Professional Student | 4,806 | 23.38% |
| | Graduate/Professional Student | 2,391 | 11.63% |
| | Library Staff | 115 | 0.56% |
| | Other | 610 | 2.97% |
| | Staff | 759 | 3.69% |
| | Undergraduate Student | 9,783 | 47.60% |
| | Total | 20,554 | 100.00% |
| Recommended by a librarian | Faculty | 87 | 3.53% |
| | Graduate/ Professional Student | 337 | 13.68% |
| | Graduate/Professional Student | 211 | 8.56% |
| | Library Staff | 54 | 2.19% |
| | Other | 49 | 1.99% |
| | Staff | 57 | 2.31% |
| | Undergraduate Student | 1,669 | 67.74% |
| | Total | 2,464 | 100.00% |
| Recommended by a professor/colleague | Faculty | 113 | 1.79% |
| | Graduate/ Professional Student | 993 | 15.70% |
| | Graduate/Professional Student | 501 | 7.92% |
| | Library Staff | 37 | 0.59% |
| | Other | 129 | 2.04% |
| | Staff | 125 | 1.98% |
| | Undergraduate Student | 4,425 | 69.98% |
| | Total | 6,323 | 100.00% |

Table 2.6.1 Location * Reason for Use

| | | n % Group | |
|---|--|------------------|----------------|
| In the Library | Reference/citation from another source | 792 | 16.95% |
| | Course reading list | 292 | 6.25% |
| | Important resource in my field | 2,290 | 49.02% |
| | Recommended by a librarian | 466 | 9.97% |
| | Recommended by a professor/colleague | 832 | 17.81% |
| | Total | 4,672 | 100.00% |
| Off-campus | Reference/citation from another source | 5,484 | 20.31% |
| | Course reading list | 1,395 | 5.17% |
| | Important resource in my field | 14,263 | 52.81% |
| | Recommended by a librarian | 1,534 | 5.68% |
| | Recommended by a professor/colleague | 4,330 | 16.03% |
| | Total | 27,006 | 100.00% |
| On-campus but not in the library | Reference/citation from another source | 1,565 | 20.86% |
| | Course reading list | 313 | 4.17% |
| | Important resource in my field | 4,001 | 53.32% |
| | Recommended by a librarian | 464 | 6.18% |
| | Recommended by a professor/colleague | 1,161 | 15.47% |
| | Total | 7,504 | 100.00% |

Table 2.6.2 Reason for Use * Location

| | | n % Group | |
|---|----------------------------------|------------------|----------------|
| Reference/citation from another source | In the Library | 792 | 10.10% |
| | Off-campus | 5,484 | 69.94% |
| | On-campus but not in the library | 1,565 | 19.96% |
| | Total | 7,841 | 100.00% |
| Course reading list | In the Library | 292 | 14.60% |
| | Off-campus | 1,395 | 69.75% |
| | On-campus but not in the library | 313 | 15.65% |

| | | n | % Group |
|---|----------------------------------|---------------|----------------|
| Course reading list | Total | 2,000 | 100.00% |
| Important resource in my field | In the Library | 2,290 | 11.14% |
| | Off-campus | 14,263 | 69.39% |
| | On-campus but not in the library | 4,001 | 19.47% |
| | Total | 20,554 | 100.00% |
| Recommended by a librarian | In the Library | 466 | 18.91% |
| | Off-campus | 1,534 | 62.26% |
| | On-campus but not in the library | 464 | 18.83% |
| | Total | 2,464 | 100.00% |
| Recommended by a professor/colleague | In the Library | 832 | 13.16% |
| | Off-campus | 4,330 | 68.48% |
| | On-campus but not in the library | 1,161 | 18.36% |
| | Total | 6,323 | 100.00% |

Table 2.7.1 User Status * Location

| | | n | % Group | % All |
|---------------------------------------|----------------------------------|---------------|----------------|----------------|
| Faculty | In the Library | 106 | 3.56% | 0.30% |
| | Off-campus | 1,959 | 65.83% | 5.63% |
| | On-campus but not in the library | 911 | 30.61% | 2.62% |
| | Total | 2,976 | 100.00% | 8.56% |
| Graduate/ Professional Student | In the Library | 487 | 6.39% | 1.40% |
| | Off-campus | 5,424 | 71.21% | 15.60% |
| | On-campus but not in the library | 1,706 | 22.40% | 4.91% |
| | Total | 7,617 | 100.00% | 21.90% |
| Graduate/Professional Student | In the Library | 277 | 7.65% | 0.80% |
| | Off-campus | 2,701 | 74.63% | 7.77% |
| | On-campus but not in the library | 641 | 17.71% | 1.84% |
| | Total | 3,619 | 100.00% | 10.41% |
| Library Staff | In the Library | 259 | 62.71% | 0.74% |
| | Off-campus | 98 | 23.73% | 0.28% |
| | On-campus but not in the library | 56 | 13.56% | 0.16% |
| | Total | 413 | 100.00% | 1.19% |
| Other | In the Library | 96 | 9.55% | 0.28% |
| | Off-campus | 776 | 77.21% | 2.23% |
| | On-campus but not in the library | 133 | 13.23% | 0.38% |
| | Total | 1,005 | 100.00% | 2.89% |
| Staff | In the Library | 101 | 8.66% | 0.29% |
| | Off-campus | 640 | 54.89% | 1.84% |
| | On-campus but not in the library | 425 | 36.45% | 1.22% |
| | Total | 1,166 | 100.00% | 3.35% |
| Undergraduate Student | In the Library | 2,915 | 16.21% | 8.38% |
| | Off-campus | 12,311 | 68.47% | 35.40% |
| | On-campus but not in the library | 2,754 | 15.32% | 7.92% |
| | Total | 17,980 | 100.00% | 51.70% |
| Total | | 34,776 | 100.00% | 100.00% |

Table 2.7.2 User Status * Location

| | | n | | % Group | % All |
|---|--------------------------------|---------------|----------------|----------------|--------------|
| In the Library | Faculty | 106 | 2.50% | 0.30% | |
| | Graduate/ Professional Student | 487 | 11.48% | 1.40% | |
| | Graduate/Professional Student | 277 | 6.53% | 0.80% | |
| | Library Staff | 259 | 6.11% | 0.74% | |
| | Other | 96 | 2.26% | 0.28% | |
| | Staff | 101 | 2.38% | 0.29% | |
| | Undergraduate Student | 2,915 | 68.73% | 8.38% | |
| | Total | 4,241 | 100.00% | 12.20% | |
| Off-campus | Faculty | 1,959 | 8.19% | 5.63% | |
| | Graduate/ Professional Student | 5,424 | 22.69% | 15.60% | |
| | Graduate/Professional Student | 2,701 | 11.30% | 7.77% | |
| | Library Staff | 98 | 0.41% | 0.28% | |
| | Other | 776 | 3.25% | 2.23% | |
| | Staff | 640 | 2.68% | 1.84% | |
| | Undergraduate Student | 12,311 | 51.49% | 35.40% | |
| | Total | 23,909 | 100.00% | 68.75% | |
| On-campus but not in the library | Faculty | 911 | 13.75% | 2.62% | |
| | Graduate/ Professional Student | 1,706 | 25.75% | 4.91% | |
| | Graduate/Professional Student | 641 | 9.67% | 1.84% | |
| | Library Staff | 56 | 0.85% | 0.16% | |
| | Other | 133 | 2.01% | 0.38% | |
| | Staff | 425 | 6.41% | 1.22% | |
| | Undergraduate Student | 2,754 | 41.56% | 7.92% | |
| | Total | 6,626 | 100.00% | 19.05% | |
| Total | | 34,776 | 100.00% | 100.00% | |

Table 2.8 Purpose * User Status * Location

| | | | n % Group |
|------------------------|--------------------------------|----------------------------------|-----------------------|
| Coursework/ Assignment | Faculty | In the Library | 19 27.94% |
| | | Off-campus | 34 50.00% |
| | | On-campus but not in the library | 15 22.06% |
| | | Total | 68 100.00% |
| | Graduate/ Professional Student | In the Library | 242 7.95% |
| | | Off-campus | 2,390 78.52% |
| | | On-campus but not in the library | 412 13.53% |
| | | Total | 3,044 100.00% |
| | Library Staff | In the Library | 18 42.86% |
| | | Off-campus | 13 30.95% |
| | | On-campus but not in the library | 11 26.19% |
| | | Total | 42 100.00% |
| | Other | In the Library | 19 11.66% |
| | | Off-campus | 134 82.21% |
| | | On-campus but not in the library | 10 6.13% |
| | | Total | 163 100.00% |
| | Staff | In the Library | 13 24.53% |
| | | Off-campus | 24 45.28% |
| | | On-campus but not in the library | 16 30.19% |
| | | Total | 53 100.00% |
| | Undergraduate Student | In the Library | 1,765 14.87% |
| | | Off-campus | 8,309 69.99% |
| | | On-campus but not in the library | 1,798 15.14% |
| | | Total | 11,872 100.00% |
| | Total | | 15,242 100.00% |
| Coursework/Assignment | Faculty | In the Library | 5 21.74% |
| | | Off-campus | 11 47.83% |
| | | On-campus but not in the library | 7 30.43% |
| | | Total | 23 100.00% |

| | | | n % Group | |
|--|---------------------------------------|----------------------------------|------------------|----------------|
| Coursework/Assignment | Graduate/Professional Student | In the Library | 124 | 9.20% |
| | | Off-campus | 1,046 | 77.60% |
| | | On-campus but not in the library | 178 | 13.20% |
| | | Total | 1,348 | 100.00% |
| | Library Staff | In the Library | 12 | 52.17% |
| | | Off-campus | 6 | 26.09% |
| | | On-campus but not in the library | 5 | 21.74% |
| | | Total | 23 | 100.00% |
| | Other | In the Library | 3 | 9.09% |
| | | Off-campus | 26 | 78.79% |
| | | On-campus but not in the library | 4 | 12.12% |
| | | Total | 33 | 100.00% |
| | Staff | In the Library | 2 | 11.11% |
| | | Off-campus | 13 | 72.22% |
| | | On-campus but not in the library | 3 | 16.67% |
| | | Total | 18 | 100.00% |
| | Undergraduate Student | In the Library | 533 | 17.33% |
| | | Off-campus | 2,146 | 69.79% |
| | | On-campus but not in the library | 396 | 12.88% |
| | | Total | 3,075 | 100.00% |
| | Total | | 4,520 | 100.00% |
| Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | Faculty | In the Library | 27 | 3.57% |
| | | Off-campus | 505 | 66.80% |
| | | On-campus but not in the library | 224 | 29.63% |
| | | Total | 756 | 100.00% |
| | Graduate/ Professional Student | In the Library | 117 | 6.35% |
| | | Off-campus | 1,360 | 73.79% |
| | | On-campus but not in the library | 366 | 19.86% |
| | | Total | 1,843 | 100.00% |
| | Graduate/Professional St | In the Library | 57 | 7.85% |

| | | | n % Group |
|---|--------------------------------|----------------------------------|----------------------|
| Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | Graduate/Professional Student | Off-campus | 554 76.31% |
| | | On-campus but not in the library | 115 15.84% |
| | | Total | 726 100.00% |
| | Library Staff | In the Library | 52 62.65% |
| | | Off-campus | 25 30.12% |
| | | On-campus but not in the library | 6 7.23% |
| | | Total | 83 100.00% |
| | Other | In the Library | 18 10.47% |
| | | Off-campus | 131 76.16% |
| | | On-campus but not in the library | 23 13.37% |
| | | Total | 172 100.00% |
| | Staff | In the Library | 10 4.55% |
| | | Off-campus | 144 65.45% |
| | | On-campus but not in the library | 66 30.00% |
| | | Total | 220 100.00% |
| | Undergraduate Student | In the Library | 211 18.69% |
| | | Off-campus | 706 62.53% |
| | | On-campus but not in the library | 212 18.78% |
| | | Total | 1,129 100.00% |
| | Total | | 4,929 100.00% |
| Other Activities including General Interest | Faculty | In the Library | 9 6.98% |
| | | Off-campus | 97 75.19% |
| | | On-campus but not in the library | 23 17.83% |
| | | Total | 129 100.00% |
| | Graduate/ Professional Student | In the Library | 18 6.57% |
| | | Off-campus | 224 81.75% |
| | | On-campus but not in the library | 32 11.68% |
| | | Total | 274 100.00% |
| | Graduate/Professional Student | In the Library | 11 7.48% |
| | | Off-campus | 123 83.67% |

| | | | n % Group | |
|---|--------------------------------|----------------------------------|--------------|----------------|
| Other Activities including General Interest | Graduate/Professional Student | On-campus but not in the library | 13 | 8.84% |
| | | Total | 147 | 100.00% |
| | Library Staff | In the Library | 94 | 76.42% |
| | | Off-campus | 19 | 15.45% |
| | | On-campus but not in the library | 10 | 8.13% |
| | | Total | 123 | 100.00% |
| | Other | In the Library | 26 | 12.56% |
| | | Off-campus | 171 | 82.61% |
| | | On-campus but not in the library | 10 | 4.83% |
| | | Total | 207 | 100.00% |
| | Staff | In the Library | 15 | 15.00% |
| | | Off-campus | 52 | 52.00% |
| | | On-campus but not in the library | 33 | 33.00% |
| | | Total | 100 | 100.00% |
| | Undergraduate Student | In the Library | 101 | 14.03% |
| | | Off-campus | 538 | 74.72% |
| | | On-campus but not in the library | 81 | 11.25% |
| | | Total | 720 | 100.00% |
| | Total | | 1,700 | 100.00% |
| Patient Care | Faculty | In the Library | 7 | 3.48% |
| | | Off-campus | 169 | 84.08% |
| | | On-campus but not in the library | 25 | 12.44% |
| | | Total | 201 | 100.00% |
| | Graduate/ Professional Student | In the Library | 22 | 11.64% |
| | | Off-campus | 151 | 79.89% |
| | | On-campus but not in the library | 16 | 8.47% |
| | | Total | 189 | 100.00% |
| | Graduate/Professional Student | In the Library | 4 | 2.14% |
| | | Off-campus | 172 | 91.98% |
| | | On-campus but not in the library | 11 | 5.88% |

| | | | n % Group |
|---|--------------------------------|----------------------------------|---------------|
| Patient Care | Graduate/Professional Student | Total | 187 100.00% |
| | Library Staff | In the Library | 6 18.75% |
| | | Off-campus | 18 56.25% |
| | | On-campus but not in the library | 8 25.00% |
| | | Total | 32 100.00% |
| | Other | In the Library | 11 11.46% |
| | | Off-campus | 79 82.29% |
| | | On-campus but not in the library | 6 6.25% |
| | | Total | 96 100.00% |
| | Staff | In the Library | 11 11.96% |
| | | Off-campus | 59 64.13% |
| | | On-campus but not in the library | 22 23.91% |
| | | Total | 92 100.00% |
| | Undergraduate Student | In the Library | 52 19.77% |
| | | Off-campus | 181 68.82% |
| | | On-campus but not in the library | 30 11.41% |
| | | Total | 263 100.00% |
| | Total | | 1,060 100.00% |
| Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | Faculty | In the Library | 20 1.86% |
| | | Off-campus | 656 60.91% |
| | | On-campus but not in the library | 401 37.23% |
| | | Total | 1,077 100.00% |
| | Graduate/ Professional Student | In the Library | 65 3.15% |
| | | Off-campus | 1,159 56.18% |
| | | On-campus but not in the library | 839 40.67% |
| | | Total | 2,063 100.00% |
| | Graduate/Professional Student | In the Library | 58 5.37% |
| | | Off-campus | 726 67.22% |
| | | On-campus but not in the library | 296 27.41% |
| | | Total | 1,080 100.00% |

| | | | n % Group |
|--|---------------------------------------|----------------------------------|----------------------|
| Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | Library Staff | In the Library | 28 63.64% |
| | | Off-campus | 10 22.73% |
| | | On-campus but not in the library | 6 13.64% |
| | | Total | 44 100.00% |
| | Other | In the Library | 10 3.60% |
| | | Off-campus | 195 70.14% |
| | | On-campus but not in the library | 73 26.26% |
| | | Total | 278 100.00% |
| | Staff | In the Library | 31 5.63% |
| | | Off-campus | 280 50.82% |
| | | On-campus but not in the library | 240 43.56% |
| | | Total | 551 100.00% |
| | Undergraduate Student | In the Library | 199 27.19% |
| | | Off-campus | 343 46.86% |
| | | On-campus but not in the library | 190 25.96% |
| | | Total | 732 100.00% |
| | Total | | 5,825 100.00% |
| Teaching | Faculty | In the Library | 19 2.63% |
| | | Off-campus | 487 67.45% |
| | | On-campus but not in the library | 216 29.92% |
| | | Total | 722 100.00% |
| | Graduate/ Professional Student | In the Library | 23 11.27% |
| | | Off-campus | 140 68.63% |
| | | On-campus but not in the library | 41 20.10% |
| | | Total | 204 100.00% |
| | Graduate/Professional Student | In the Library | 23 17.56% |
| | | Off-campus | 80 61.07% |
| | | On-campus but not in the library | 28 21.37% |
| | | Total | 131 100.00% |
| | Library Staff | In the Library | 49 74.24% |

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|----------|-----------------------|----------------------------------|---------------|
| | | | n % Group |
| Teaching | Library Staff | Off-campus | 7 10.61% |
| | | On-campus but not in the library | 10 15.15% |
| | | Total | 66 100.00% |
| | Other | In the Library | 9 16.07% |
| | | Off-campus | 40 71.43% |
| | | On-campus but not in the library | 7 12.50% |
| | | Total | 56 100.00% |
| | Staff | In the Library | 19 14.39% |
| | | Off-campus | 68 51.52% |
| | | On-campus but not in the library | 45 34.09% |
| | | Total | 132 100.00% |
| | Undergraduate Student | In the Library | 54 28.57% |
| | | Off-campus | 88 46.56% |
| | | On-campus but not in the library | 47 24.87% |
| | | Total | 189 100.00% |
| Total | | | 1,500 100.00% |

Table 2.9.1 Affiliation * User Status

| | | n % Group % All | | |
|---------------------------------|--------------------------------|-----------------|---------|-------|
| Applied Science and Engineering | Faculty | 207 | 8.57% | 0.60% |
| | Graduate/ Professional Student | 758 | 31.37% | 2.18% |
| | Graduate/Professional Student | 355 | 14.69% | 1.02% |
| | Library Staff | 14 | 0.58% | 0.04% |
| | Other | 71 | 2.94% | 0.20% |
| | Staff | 114 | 4.72% | 0.33% |
| | Undergraduate Student | 897 | 37.13% | 2.58% |
| | Total | 2,416 | 100.00% | 6.95% |
| Business | Faculty | 132 | 9.59% | 0.38% |
| | Graduate/ Professional Student | 322 | 23.40% | 0.93% |
| | Graduate/Professional Student | 83 | 6.03% | 0.24% |
| | Library Staff | 17 | 1.24% | 0.05% |
| | Other | 28 | 2.03% | 0.08% |
| | Staff | 40 | 2.91% | 0.12% |
| | Undergraduate Student | 754 | 54.80% | 2.17% |
| | Total | 1,376 | 100.00% | 3.96% |
| Education | Faculty | 123 | 8.27% | 0.35% |
| | Graduate/ Professional Student | 469 | 31.54% | 1.35% |
| | Graduate/Professional Student | 359 | 24.14% | 1.03% |
| | Library Staff | 27 | 1.82% | 0.08% |
| | Other | 40 | 2.69% | 0.12% |
| | Staff | 31 | 2.08% | 0.09% |
| | Undergraduate Student | 438 | 29.46% | 1.26% |
| | Total | 1,487 | 100.00% | 4.28% |
| Environmental Studies | Faculty | 45 | 5.70% | 0.13% |
| | Graduate/ Professional Student | 224 | 28.35% | 0.64% |
| | Graduate/Professional Student | 29 | 3.67% | 0.08% |
| | Library Staff | 4 | 0.51% | 0.01% |

| | | n | % Group | % All |
|--------------------------------|--------------------------------|--------------|----------------|--------------|
| Environmental Studies | Other | 23 | 2.91% | 0.07% |
| | Staff | 16 | 2.03% | 0.05% |
| | Undergraduate Student | 449 | 56.84% | 1.29% |
| | Total | 790 | 100.00% | 2.27% |
| Fine Arts | Faculty | 22 | 4.82% | 0.06% |
| | Graduate/ Professional Student | 43 | 9.43% | 0.12% |
| | Graduate/Professional Student | 44 | 9.65% | 0.13% |
| | Library Staff | 8 | 1.75% | 0.02% |
| | Other | 10 | 2.19% | 0.03% |
| | Staff | 17 | 3.73% | 0.05% |
| | Undergraduate Student | 312 | 68.42% | 0.90% |
| | Total | 456 | 100.00% | 1.31% |
| Humanities | Faculty | 310 | 8.94% | 0.89% |
| | Graduate/ Professional Student | 511 | 14.73% | 1.47% |
| | Graduate/Professional Student | 353 | 10.18% | 1.02% |
| | Library Staff | 58 | 1.67% | 0.17% |
| | Other | 59 | 1.70% | 0.17% |
| | Staff | 53 | 1.53% | 0.15% |
| | Undergraduate Student | 2,125 | 61.26% | 6.11% |
| | Total | 3,469 | 100.00% | 9.98% |
| Law | Faculty | 32 | 7.41% | 0.09% |
| | Graduate/ Professional Student | 117 | 27.08% | 0.34% |
| | Graduate/Professional Student | 67 | 15.51% | 0.19% |
| | Library Staff | 9 | 2.08% | 0.03% |
| | Other | 7 | 1.62% | 0.02% |
| | Staff | 16 | 3.70% | 0.05% |
| | Undergraduate Student | 184 | 42.59% | 0.53% |
| | Total | 432 | 100.00% | 1.24% |
| Medical/Health Sciences | Faculty | 1,075 | 11.44% | 3.09% |
| | Graduate/ Professional Student | 2,195 | 23.37% | 6.31% |

| | | n | % Group | % All |
|--------------------------------|--------------------------------|--------------|----------------|---------------|
| Medical/Health Sciences | Graduate/Professional Student | 1,449 | 15.43% | 4.17% |
| | Library Staff | 113 | 1.20% | 0.32% |
| | Other | 364 | 3.88% | 1.05% |
| | Staff | 508 | 5.41% | 1.46% |
| | Undergraduate Student | 3,689 | 39.27% | 10.61% |
| | Total | 9,393 | 100.00% | 27.01% |
| Other | Faculty | 86 | 4.20% | 0.25% |
| | Graduate/ Professional Student | 419 | 20.48% | 1.20% |
| | Graduate/Professional Student | 184 | 8.99% | 0.53% |
| | Library Staff | 80 | 3.91% | 0.23% |
| | Other | 96 | 4.69% | 0.28% |
| | Staff | 42 | 2.05% | 0.12% |
| | Undergraduate Student | 1,139 | 55.67% | 3.28% |
| | Total | 2,046 | 100.00% | 5.88% |
| Sciences | Faculty | 451 | 8.09% | 1.30% |
| | Graduate/ Professional Student | 1,028 | 18.43% | 2.96% |
| | Graduate/Professional Student | 375 | 6.72% | 1.08% |
| | Library Staff | 25 | 0.45% | 0.07% |
| | Other | 165 | 2.96% | 0.47% |
| | Staff | 207 | 3.71% | 0.60% |
| | Undergraduate Student | 3,327 | 59.65% | 9.57% |
| | Total | 5,578 | 100.00% | 16.04% |
| Social Sciences | Faculty | 493 | 6.72% | 1.42% |
| | Graduate/ Professional Student | 1,531 | 20.88% | 4.40% |
| | Graduate/Professional Student | 321 | 4.38% | 0.92% |
| | Library Staff | 58 | 0.79% | 0.17% |
| | Other | 142 | 1.94% | 0.41% |
| | Staff | 122 | 1.66% | 0.35% |
| | Undergraduate Student | 4,666 | 63.63% | 13.42% |
| | Total | 7,333 | 100.00% | 21.09% |

| | n | % Group | % All |
|--------------|---------------|----------------|----------------|
| Total | 34,776 | 100.00% | 100.00% |

Table 2.9.2 User Status * Affiliation

| | | n | % Group | % All |
|---------------------------------------|---------------------------------|--------------|----------------|---------------|
| Faculty | Applied Science and Engineering | 207 | 6.96% | 0.60% |
| | Business | 132 | 4.44% | 0.38% |
| | Education | 123 | 4.13% | 0.35% |
| | Environmental Studies | 45 | 1.51% | 0.13% |
| | Fine Arts | 22 | 0.74% | 0.06% |
| | Humanities | 310 | 10.42% | 0.89% |
| | Law | 32 | 1.08% | 0.09% |
| | Medical/Health Sciences | 1,075 | 36.12% | 3.09% |
| | Other | 86 | 2.89% | 0.25% |
| | Sciences | 451 | 15.15% | 1.30% |
| | Social Sciences | 493 | 16.57% | 1.42% |
| | Total | 2,976 | 100.00% | 8.56% |
| Graduate/ Professional Student | Applied Science and Engineering | 758 | 9.95% | 2.18% |
| | Business | 322 | 4.23% | 0.93% |
| | Education | 469 | 6.16% | 1.35% |
| | Environmental Studies | 224 | 2.94% | 0.64% |
| | Fine Arts | 43 | 0.56% | 0.12% |
| | Humanities | 511 | 6.71% | 1.47% |
| | Law | 117 | 1.54% | 0.34% |
| | Medical/Health Sciences | 2,195 | 28.82% | 6.31% |
| | Other | 419 | 5.50% | 1.20% |
| | Sciences | 1,028 | 13.50% | 2.96% |
| | Social Sciences | 1,531 | 20.10% | 4.40% |
| | Total | 7,617 | 100.00% | 21.90% |
| Graduate/Professional Student | Applied Science and Engineering | 355 | 9.81% | 1.02% |
| | Business | 83 | 2.29% | 0.24% |

| | | n | % Group | % All |
|--------------------------------------|---------------------------------|--------------|----------------|---------------|
| Graduate/Professional Student | Education | 359 | 9.92% | 1.03% |
| | Environmental Studies | 29 | 0.80% | 0.08% |
| | Fine Arts | 44 | 1.22% | 0.13% |
| | Humanities | 353 | 9.75% | 1.02% |
| | Law | 67 | 1.85% | 0.19% |
| | Medical/Health Sciences | 1,449 | 40.04% | 4.17% |
| | Other | 184 | 5.08% | 0.53% |
| | Sciences | 375 | 10.36% | 1.08% |
| | Social Sciences | 321 | 8.87% | 0.92% |
| | Total | 3,619 | 100.00% | 10.41% |
| Library Staff | Applied Science and Engineering | 14 | 3.39% | 0.04% |
| | Business | 17 | 4.12% | 0.05% |
| | Education | 27 | 6.54% | 0.08% |
| | Environmental Studies | 4 | 0.97% | 0.01% |
| | Fine Arts | 8 | 1.94% | 0.02% |
| | Humanities | 58 | 14.04% | 0.17% |
| | Law | 9 | 2.18% | 0.03% |
| | Medical/Health Sciences | 113 | 27.36% | 0.32% |
| | Other | 80 | 19.37% | 0.23% |
| | Sciences | 25 | 6.05% | 0.07% |
| | Social Sciences | 58 | 14.04% | 0.17% |
| | Total | 413 | 100.00% | 1.19% |
| Other | Applied Science and Engineering | 71 | 7.06% | 0.20% |
| | Business | 28 | 2.79% | 0.08% |
| | Education | 40 | 3.98% | 0.12% |
| | Environmental Studies | 23 | 2.29% | 0.07% |
| | Fine Arts | 10 | 1.00% | 0.03% |
| | Humanities | 59 | 5.87% | 0.17% |
| | Law | 7 | 0.70% | 0.02% |
| | Medical/Health Sciences | 364 | 36.22% | 1.05% |

| | | n | % Group | % All |
|------------------------------|---------------------------------|---------------|----------------|----------------|
| Other | Other | 96 | 9.55% | 0.28% |
| | Sciences | 165 | 16.42% | 0.47% |
| | Social Sciences | 142 | 14.13% | 0.41% |
| | Total | 1,005 | 100.00% | 2.89% |
| Staff | Applied Science and Engineering | 114 | 9.78% | 0.33% |
| | Business | 40 | 3.43% | 0.12% |
| | Education | 31 | 2.66% | 0.09% |
| | Environmental Studies | 16 | 1.37% | 0.05% |
| | Fine Arts | 17 | 1.46% | 0.05% |
| | Humanities | 53 | 4.55% | 0.15% |
| | Law | 16 | 1.37% | 0.05% |
| | Medical/Health Sciences | 508 | 43.57% | 1.46% |
| | Other | 42 | 3.60% | 0.12% |
| | Sciences | 207 | 17.75% | 0.60% |
| | Social Sciences | 122 | 10.46% | 0.35% |
| | Total | 1,166 | 100.00% | 3.35% |
| Undergraduate Student | Applied Science and Engineering | 897 | 4.99% | 2.58% |
| | Business | 754 | 4.19% | 2.17% |
| | Education | 438 | 2.44% | 1.26% |
| | Environmental Studies | 449 | 2.50% | 1.29% |
| | Fine Arts | 312 | 1.74% | 0.90% |
| | Humanities | 2,125 | 11.82% | 6.11% |
| | Law | 184 | 1.02% | 0.53% |
| | Medical/Health Sciences | 3,689 | 20.52% | 10.61% |
| | Other | 1,139 | 6.33% | 3.28% |
| | Sciences | 3,327 | 18.50% | 9.57% |
| | Social Sciences | 4,666 | 25.95% | 13.42% |
| | Total | 17,980 | 100.00% | 51.70% |
| Total | | 34,776 | 100.00% | 100.00% |

Table 2.10.1 Affiliation * Location

| | | n | % Group | % All |
|--|----------------------------------|--------------|----------------|--------------|
| Applied Science and Engineering | In the Library | 338 | 13.99% | 0.97% |
| | Off-campus | 1,277 | 52.86% | 3.67% |
| | On-campus but not in the library | 801 | 33.15% | 2.30% |
| | Total | 2,416 | 100.00% | 6.95% |
| Business | In the Library | 197 | 14.32% | 0.57% |
| | Off-campus | 860 | 62.50% | 2.47% |
| | On-campus but not in the library | 319 | 23.18% | 0.92% |
| | Total | 1,376 | 100.00% | 3.96% |
| Education | In the Library | 158 | 10.63% | 0.45% |
| | Off-campus | 1,127 | 75.79% | 3.24% |
| | On-campus but not in the library | 202 | 13.58% | 0.58% |
| | Total | 1,487 | 100.00% | 4.28% |
| Environmental Studies | In the Library | 90 | 11.39% | 0.26% |
| | Off-campus | 501 | 63.42% | 1.44% |
| | On-campus but not in the library | 199 | 25.19% | 0.57% |
| | Total | 790 | 100.00% | 2.27% |
| Fine Arts | In the Library | 96 | 21.05% | 0.28% |
| | Off-campus | 284 | 62.28% | 0.82% |
| | On-campus but not in the library | 76 | 16.67% | 0.22% |
| | Total | 456 | 100.00% | 1.31% |
| Humanities | In the Library | 605 | 17.44% | 1.74% |
| | Off-campus | 2,315 | 66.73% | 6.66% |
| | On-campus but not in the library | 549 | 15.83% | 1.58% |
| | Total | 3,469 | 100.00% | 9.98% |
| Law | In the Library | 93 | 21.53% | 0.27% |
| | Off-campus | 274 | 63.43% | 0.79% |
| | On-campus but not in the library | 65 | 15.05% | 0.19% |
| | Total | 432 | 100.00% | 1.24% |
| Medical/Health Sciences | In the Library | 729 | 7.76% | 2.10% |

| | | n | % Group | % All |
|--------------------------------|----------------------------------|---------------|----------------|----------------|
| Medical/Health Sciences | Off-campus | 7,244 | 77.12% | 20.83% |
| | On-campus but not in the library | 1,420 | 15.12% | 4.08% |
| | Total | 9,393 | 100.00% | 27.01% |
| Other | In the Library | 319 | 15.59% | 0.92% |
| | Off-campus | 1,447 | 70.72% | 4.16% |
| | On-campus but not in the library | 280 | 13.69% | 0.81% |
| | Total | 2,046 | 100.00% | 5.88% |
| Sciences | In the Library | 644 | 11.55% | 1.85% |
| | Off-campus | 3,537 | 63.41% | 10.17% |
| | On-campus but not in the library | 1,397 | 25.04% | 4.02% |
| | Total | 5,578 | 100.00% | 16.04% |
| Social Sciences | In the Library | 972 | 13.26% | 2.80% |
| | Off-campus | 5,043 | 68.77% | 14.50% |
| | On-campus but not in the library | 1,318 | 17.97% | 3.79% |
| | Total | 7,333 | 100.00% | 21.09% |
| Total | | 34,776 | 100.00% | 100.00% |

Table 2.10.2 Location * Affiliation

| | | n | % Group | % All |
|-----------------------|---------------------------------|-----|---------|-------|
| In the Library | Applied Science and Engineering | 338 | 7.97% | 0.97% |
| | Business | 197 | 4.65% | 0.57% |
| | Education | 158 | 3.73% | 0.45% |
| | Environmental Studies | 90 | 2.12% | 0.26% |
| | Fine Arts | 96 | 2.26% | 0.28% |
| | Humanities | 605 | 14.27% | 1.74% |
| | Law | 93 | 2.19% | 0.27% |
| | Medical/Health Sciences | 729 | 17.19% | 2.10% |
| | Other | 319 | 7.52% | 0.92% |
| | Sciences | 644 | 15.19% | 1.85% |
| | Social Sciences | 972 | 22.92% | 2.80% |

| | | n | % Group | % All |
|---|---------------------------------|---------------|----------------|----------------|
| In the Library | Total | 4,241 | 100.00% | 12.20% |
| Off-campus | Applied Science and Engineering | 1,277 | 5.34% | 3.67% |
| | Business | 860 | 3.60% | 2.47% |
| | Education | 1,127 | 4.71% | 3.24% |
| | Environmental Studies | 501 | 2.10% | 1.44% |
| | Fine Arts | 284 | 1.19% | 0.82% |
| | Humanities | 2,315 | 9.68% | 6.66% |
| | Law | 274 | 1.15% | 0.79% |
| | Medical/Health Sciences | 7,244 | 30.30% | 20.83% |
| | Other | 1,447 | 6.05% | 4.16% |
| | Sciences | 3,537 | 14.79% | 10.17% |
| | Social Sciences | 5,043 | 21.09% | 14.50% |
| | Total | 23,909 | 100.00% | 68.75% |
| On-campus but not in the library | Applied Science and Engineering | 801 | 12.09% | 2.30% |
| | Business | 319 | 4.81% | 0.92% |
| | Education | 202 | 3.05% | 0.58% |
| | Environmental Studies | 199 | 3.00% | 0.57% |
| | Fine Arts | 76 | 1.15% | 0.22% |
| | Humanities | 549 | 8.29% | 1.58% |
| | Law | 65 | 0.98% | 0.19% |
| | Medical/Health Sciences | 1,420 | 21.43% | 4.08% |
| | Other | 280 | 4.23% | 0.81% |
| | Sciences | 1,397 | 21.08% | 4.02% |
| | Social Sciences | 1,318 | 19.89% | 3.79% |
| | Total | 6,626 | 100.00% | 19.05% |
| Total | | 34,776 | 100.00% | 100.00% |

Table 2.11 Purpose * User Status * Affiliation

| | | | n | % Group |
|-------------------------------|---------------------------------------|---------------------------------|--------------|----------------|
| Coursework/ Assignment | Faculty | Applied Science and Engineering | 4 | 5.88% |
| | | Business | 4 | 5.88% |
| | | Education | 12 | 17.65% |
| | | Environmental Studies | 2 | 2.94% |
| | | Fine Arts | 1 | 1.47% |
| | | Humanities | 8 | 11.76% |
| | | Law | 3 | 4.41% |
| | | Medical/Health Sciences | 16 | 23.53% |
| | | Other | 4 | 5.88% |
| | | Sciences | 5 | 7.35% |
| | | Social Sciences | 9 | 13.24% |
| | | Total | 68 | 100.00% |
| | Graduate/ Professional Student | Applied Science and Engineering | 145 | 4.76% |
| | | Business | 152 | 4.99% |
| | | Education | 299 | 9.82% |
| | | Environmental Studies | 61 | 2.00% |
| | | Fine Arts | 17 | 0.56% |
| | | Humanities | 234 | 7.69% |
| | | Law | 62 | 2.04% |
| | | Medical/Health Sciences | 987 | 32.42% |
| | | Other | 230 | 7.56% |
| | | Sciences | 165 | 5.42% |
| | | Social Sciences | 692 | 22.73% |
| | | Total | 3,044 | 100.00% |
| | Library Staff | Applied Science and Engineering | 1 | 2.38% |
| | | Business | 2 | 4.76% |
| | | Education | 3 | 7.14% |
| | | Environmental Studies | 1 | 2.38% |
| | | Humanities | 8 | 19.05% |

| | | | Final Report | |
|------------------------|---------------|---------------------------------|--------------|----------------|
| | | | n | % Group |
| Coursework/ Assignment | Library Staff | Law | 2 | 4.76% |
| | | Medical/Health Sciences | 4 | 9.52% |
| | | Other | 2 | 4.76% |
| | | Sciences | 7 | 16.67% |
| | | Social Sciences | 12 | 28.57% |
| | | Total | 42 | 100.00% |
| | Other | Applied Science and Engineering | 4 | 2.45% |
| | | Business | 10 | 6.13% |
| | | Education | 10 | 6.13% |
| | | Environmental Studies | 1 | 0.61% |
| | | Fine Arts | 2 | 1.23% |
| | | Humanities | 17 | 10.43% |
| | | Law | 1 | 0.61% |
| | | Medical/Health Sciences | 40 | 24.54% |
| | | Other | 23 | 14.11% |
| | | Sciences | 14 | 8.59% |
| | | Social Sciences | 41 | 25.15% |
| | | Total | 163 | 100.00% |
| | Staff | Applied Science and Engineering | 3 | 5.66% |
| | | Business | 7 | 13.21% |
| | | Education | 7 | 13.21% |
| | | Environmental Studies | 1 | 1.89% |
| | | Fine Arts | 1 | 1.89% |
| | | Humanities | 5 | 9.43% |
| | | Law | 1 | 1.89% |
| | | Medical/Health Sciences | 12 | 22.64% |
| | | Other | 1 | 1.89% |
| | | Sciences | 4 | 7.55% |
| | | Social Sciences | 11 | 20.75% |

| | | | Final Report | |
|------------------------|-------------------------------|---------------------------------|--------------|---------|
| | | | n | % Group |
| Coursework/ Assignment | Staff | Total | 53 | 100.00% |
| | Undergraduate Student | Applied Science and Engineering | 377 | 3.18% |
| | | Business | 533 | 4.49% |
| | | Education | 301 | 2.54% |
| | | Environmental Studies | 376 | 3.17% |
| | | Fine Arts | 221 | 1.86% |
| | | Humanities | 1,175 | 9.90% |
| | | Law | 111 | 0.93% |
| | | Medical/Health Sciences | 2,737 | 23.05% |
| | | Other | 979 | 8.25% |
| | | Sciences | 1,730 | 14.57% |
| | | Social Sciences | 3,332 | 28.07% |
| | | Total | 11,872 | 100.00% |
| | Total | | 15,242 | 100.00% |
| Coursework/Assignment | Faculty | Applied Science and Engineering | 3 | 13.04% |
| | | Education | 1 | 4.35% |
| | | Fine Arts | 1 | 4.35% |
| | | Humanities | 4 | 17.39% |
| | | Medical/Health Sciences | 10 | 43.48% |
| | | Other | 2 | 8.70% |
| | | Social Sciences | 2 | 8.70% |
| | | Total | 23 | 100.00% |
| | Graduate/Professional Student | Applied Science and Engineering | 67 | 4.97% |
| | | Business | 48 | 3.56% |
| | | Education | 205 | 15.21% |
| | | Environmental Studies | 14 | 1.04% |
| | | Fine Arts | 18 | 1.34% |
| | | Humanities | 106 | 7.86% |
| | | Law | 30 | 2.23% |
| | | Medical/Health Sciences | 562 | 41.69% |

| | | | Final Report | |
|-----------------------|-------------------------------|---------------------------------|--------------|----------------|
| | | | n | % Group |
| Coursework/Assignment | Graduate/Professional Student | Other | 137 | 10.16% |
| | | Sciences | 53 | 3.93% |
| | | Social Sciences | 108 | 8.01% |
| | | Total | 1,348 | 100.00% |
| | Library Staff | Business | 1 | 4.35% |
| | | Education | 2 | 8.70% |
| | | Fine Arts | 1 | 4.35% |
| | | Humanities | 1 | 4.35% |
| | | Medical/Health Sciences | 10 | 43.48% |
| | | Other | 2 | 8.70% |
| | | Sciences | 3 | 13.04% |
| | | Social Sciences | 3 | 13.04% |
| | | Total | 23 | 100.00% |
| | Other | Applied Science and Engineering | 1 | 3.03% |
| | | Education | 4 | 12.12% |
| | | Humanities | 5 | 15.15% |
| | | Law | 2 | 6.06% |
| | | Medical/Health Sciences | 8 | 24.24% |
| | | Other | 2 | 6.06% |
| | | Sciences | 6 | 18.18% |
| | | Social Sciences | 5 | 15.15% |
| | | Total | 33 | 100.00% |
| | Staff | Applied Science and Engineering | 1 | 5.56% |
| | | Business | 3 | 16.67% |
| | | Fine Arts | 1 | 5.56% |
| | | Humanities | 1 | 5.56% |
| | | Law | 3 | 16.67% |
| | | Medical/Health Sciences | 6 | 33.33% |
| | | Other | 2 | 11.11% |

| | | | Final Report | |
|---|-----------------------------------|---------------------------------|--------------|----------------|
| | | | n | % Group |
| Coursework/Assignment | Staff | Social Sciences | 1 | 5.56% |
| | | Total | 18 | 100.00% |
| | Undergraduate Student | Applied Science and Engineering | 151 | 4.91% |
| | | Business | 89 | 2.89% |
| | | Education | 38 | 1.24% |
| | | Environmental Studies | 11 | 0.36% |
| | | Fine Arts | 27 | 0.88% |
| | | Humanities | 661 | 21.50% |
| | | Law | 23 | 0.75% |
| | | Medical/Health Sciences | 318 | 10.34% |
| | | Other | 5 | 0.16% |
| | | Sciences | 990 | 32.20% |
| | | Social Sciences | 762 | 24.78% |
| | | Total | 3,075 | 100.00% |
| | Total | | 4,520 | 100.00% |
| Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | Faculty | Applied Science and Engineering | 41 | 5.42% |
| | | Business | 68 | 8.99% |
| | | Education | 30 | 3.97% |
| | | Environmental Studies | 20 | 2.65% |
| | | Fine Arts | 6 | 0.79% |
| | | Humanities | 99 | 13.10% |
| | | Law | 15 | 1.98% |
| | | Medical/Health Sciences | 219 | 28.97% |
| | | Other | 30 | 3.97% |
| | | Sciences | 68 | 8.99% |
| | | Social Sciences | 160 | 21.16% |
| | | Total | 756 | 100.00% |
| | Graduate/ Professional Student | Applied Science and Engineering | 151 | 8.19% |
| | | Business | 105 | 5.70% |
| | | Education | 87 | 4.72% |

| | | | Final Report | |
|---|-----------------------------------|---------------------------------|--------------|----------------|
| | | | n | % Group |
| Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | Graduate/ Professional Student | Environmental Studies | 62 | 3.36% |
| | | Fine Arts | 16 | 0.87% |
| | | Humanities | 143 | 7.76% |
| | | Law | 25 | 1.36% |
| | | Medical/Health Sciences | 499 | 27.08% |
| | | Other | 109 | 5.91% |
| | | Sciences | 160 | 8.68% |
| | | Social Sciences | 486 | 26.37% |
| | | Total | 1,843 | 100.00% |
| | Graduate/Professional Student | Applied Science and Engineering | 61 | 8.40% |
| | | Business | 20 | 2.75% |
| | | Education | 98 | 13.50% |
| | | Environmental Studies | 3 | 0.41% |
| | | Fine Arts | 14 | 1.93% |
| | | Humanities | 99 | 13.64% |
| | | Law | 14 | 1.93% |
| | | Medical/Health Sciences | 261 | 35.95% |
| | | Other | 19 | 2.62% |
| | | Sciences | 45 | 6.20% |
| | | Social Sciences | 92 | 12.67% |
| | | Total | 726 | 100.00% |
| | Library Staff | Applied Science and Engineering | 3 | 3.61% |
| | | Business | 3 | 3.61% |
| | | Education | 7 | 8.43% |
| | | Environmental Studies | 1 | 1.20% |
| | | Fine Arts | 1 | 1.20% |
| | | Humanities | 14 | 16.87% |
| | | Law | 3 | 3.61% |
| | | Medical/Health Sciences | 26 | 31.33% |

| | | | Final Report | |
|---|-----------------------|---------------------------------|--------------|----------------|
| | | | n | % Group |
| Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | Library Staff | Other | 11 | 13.25% |
| | | Social Sciences | 14 | 16.87% |
| | | Total | 83 | 100.00% |
| | Other | Applied Science and Engineering | 15 | 8.72% |
| | | Business | 4 | 2.33% |
| | | Education | 7 | 4.07% |
| | | Environmental Studies | 8 | 4.65% |
| | | Fine Arts | 1 | 0.58% |
| | | Humanities | 13 | 7.56% |
| | | Law | 1 | 0.58% |
| | | Medical/Health Sciences | 68 | 39.53% |
| | | Other | 9 | 5.23% |
| | | Sciences | 22 | 12.79% |
| | | Social Sciences | 24 | 13.95% |
| | | Total | 172 | 100.00% |
| | Staff | Applied Science and Engineering | 16 | 7.27% |
| | | Business | 8 | 3.64% |
| | | Education | 4 | 1.82% |
| | | Environmental Studies | 1 | 0.45% |
| | | Fine Arts | 3 | 1.36% |
| | | Humanities | 11 | 5.00% |
| | | Law | 1 | 0.45% |
| | | Medical/Health Sciences | 108 | 49.09% |
| | | Other | 9 | 4.09% |
| | | Sciences | 37 | 16.82% |
| | | Social Sciences | 22 | 10.00% |
| | | Total | 220 | 100.00% |
| | Undergraduate Student | Applied Science and Engineering | 105 | 9.30% |
| | | Business | 41 | 3.63% |

| | | | Final Report | |
|--|---------------------------------------|---------------------------------|--------------|----------------|
| | | | n | % Group |
| Other (Non-funded) Research (For Faculty, Graduate Students, Staff) | Undergraduate Student | Education | 30 | 2.66% |
| | | Environmental Studies | 29 | 2.57% |
| | | Fine Arts | 23 | 2.04% |
| | | Humanities | 115 | 10.19% |
| | | Law | 24 | 2.13% |
| | | Medical/Health Sciences | 185 | 16.39% |
| | | Other | 54 | 4.78% |
| | | Sciences | 240 | 21.26% |
| | | Social Sciences | 283 | 25.07% |
| | | Total | 1,129 | 100.00% |
| | Total | | 4,929 | 100.00% |
| Other Activities including General Interest | Faculty | Applied Science and Engineering | 7 | 5.43% |
| | | Business | 6 | 4.65% |
| | | Education | 5 | 3.88% |
| | | Fine Arts | 4 | 3.10% |
| | | Humanities | 14 | 10.85% |
| | | Law | 3 | 2.33% |
| | | Medical/Health Sciences | 48 | 37.21% |
| | | Other | 3 | 2.33% |
| | | Sciences | 23 | 17.83% |
| | | Social Sciences | 16 | 12.40% |
| | | Total | 129 | 100.00% |
| | Graduate/ Professional Student | Applied Science and Engineering | 19 | 6.93% |
| | | Business | 14 | 5.11% |
| | | Education | 13 | 4.74% |
| | | Environmental Studies | 7 | 2.55% |
| | | Fine Arts | 2 | 0.73% |
| | | Humanities | 16 | 5.84% |
| | | Law | 14 | 5.11% |

| | | | Final Report | |
|---|--------------------------------|---------------------------------|--------------|----------------|
| | | | n | % Group |
| Other Activities including General Interest | Graduate/ Professional Student | Medical/Health Sciences | 68 | 24.82% |
| | | Other | 13 | 4.74% |
| | | Sciences | 54 | 19.71% |
| | | Social Sciences | 54 | 19.71% |
| | | Total | 274 | 100.00% |
| | Graduate/Professional Student | Applied Science and Engineering | 16 | 10.88% |
| | | Business | 5 | 3.40% |
| | | Education | 10 | 6.80% |
| | | Fine Arts | 2 | 1.36% |
| | | Humanities | 14 | 9.52% |
| | | Law | 5 | 3.40% |
| | | Medical/Health Sciences | 58 | 39.46% |
| | | Other | 14 | 9.52% |
| | | Sciences | 12 | 8.16% |
| | | Social Sciences | 11 | 7.48% |
| | | Total | 147 | 100.00% |
| | Library Staff | Applied Science and Engineering | 2 | 1.63% |
| | | Business | 3 | 2.44% |
| | | Education | 4 | 3.25% |
| | | Fine Arts | 2 | 1.63% |
| | | Humanities | 18 | 14.63% |
| | | Law | 1 | 0.81% |
| | | Medical/Health Sciences | 24 | 19.51% |
| | | Other | 45 | 36.59% |
| | | Sciences | 10 | 8.13% |
| | | Social Sciences | 14 | 11.38% |
| | | Total | 123 | 100.00% |
| | Other | Applied Science and Engineering | 10 | 4.83% |
| | | Business | 8 | 3.86% |

| | | | Final Report | |
|--|------------------------------|---------------------------------|--------------|----------------|
| | | | n | % Group |
| Other Activities including General Interest | Other | Education | 6 | 2.90% |
| | | Environmental Studies | 8 | 3.86% |
| | | Fine Arts | 4 | 1.93% |
| | | Humanities | 15 | 7.25% |
| | | Law | 2 | 0.97% |
| | | Medical/Health Sciences | 51 | 24.64% |
| | | Other | 47 | 22.71% |
| | | Sciences | 28 | 13.53% |
| | | Social Sciences | 28 | 13.53% |
| | | Total | 207 | 100.00% |
| | Staff | Applied Science and Engineering | 9 | 9.00% |
| | | Business | 4 | 4.00% |
| | | Education | 5 | 5.00% |
| | | Environmental Studies | 1 | 1.00% |
| | | Fine Arts | 1 | 1.00% |
| | | Humanities | 12 | 12.00% |
| | | Medical/Health Sciences | 36 | 36.00% |
| | | Other | 12 | 12.00% |
| | | Sciences | 9 | 9.00% |
| | | Social Sciences | 11 | 11.00% |
| | | Total | 100 | 100.00% |
| | Undergraduate Student | Applied Science and Engineering | 70 | 9.72% |
| | | Business | 43 | 5.97% |
| | | Education | 8 | 1.11% |
| | | Environmental Studies | 13 | 1.81% |
| | | Fine Arts | 21 | 2.92% |
| | | Humanities | 83 | 11.53% |
| | | Law | 10 | 1.39% |
| | | Medical/Health Sciences | 129 | 17.92% |

| | | | Final Report | |
|---|--------------------------------|---------------------------------|--------------|----------------|
| | | | n | % Group |
| Other Activities including General Interest | Undergraduate Student | Other | 37 | 5.14% |
| | | Sciences | 157 | 21.81% |
| | | Social Sciences | 149 | 20.69% |
| | | Total | 720 | 100.00% |
| | Total | | 1,700 | 100.00% |
| Patient Care | Faculty | Applied Science and Engineering | 6 | 2.99% |
| | | Business | 2 | 1.00% |
| | | Education | 7 | 3.48% |
| | | Environmental Studies | 1 | 0.50% |
| | | Fine Arts | 2 | 1.00% |
| | | Humanities | 3 | 1.49% |
| | | Medical/Health Sciences | 172 | 85.57% |
| | | Other | 2 | 1.00% |
| | | Sciences | 3 | 1.49% |
| | | Social Sciences | 3 | 1.49% |
| | | Total | 201 | 100.00% |
| | Graduate/ Professional Student | Applied Science and Engineering | 4 | 2.12% |
| | | Business | 1 | 0.53% |
| | | Education | 2 | 1.06% |
| | | Environmental Studies | 1 | 0.53% |
| | | Fine Arts | 1 | 0.53% |
| | | Humanities | 3 | 1.59% |
| | | Medical/Health Sciences | 147 | 77.78% |
| | | Other | 7 | 3.70% |
| | | Sciences | 8 | 4.23% |
| | | Social Sciences | 15 | 7.94% |
| | | Total | 189 | 100.00% |
| | Graduate/Professional Student | Applied Science and Engineering | 4 | 2.14% |
| | | Education | 2 | 1.07% |
| | | Environmental Studies | 2 | 1.07% |

| | | | Final Report | |
|--------------|-------------------------------|---------------------------------|--------------|----------------|
| | | | n | % Group |
| Patient Care | Graduate/Professional Student | Medical/Health Sciences | 173 | 92.51% |
| | | Sciences | 4 | 2.14% |
| | | Social Sciences | 2 | 1.07% |
| | | Total | 187 | 100.00% |
| | Library Staff | Applied Science and Engineering | 2 | 6.25% |
| | | Business | 4 | 12.50% |
| | | Humanities | 1 | 3.13% |
| | | Medical/Health Sciences | 21 | 65.63% |
| | | Other | 1 | 3.13% |
| | | Sciences | 2 | 6.25% |
| | | Social Sciences | 1 | 3.13% |
| | | Total | 32 | 100.00% |
| | Other | Applied Science and Engineering | 2 | 2.08% |
| | | Business | 1 | 1.04% |
| | | Education | 1 | 1.04% |
| | | Environmental Studies | 2 | 2.08% |
| | | Fine Arts | 1 | 1.04% |
| | | Humanities | 1 | 1.04% |
| | | Law | 1 | 1.04% |
| | | Medical/Health Sciences | 75 | 78.13% |
| | | Other | 3 | 3.13% |
| | | Sciences | 2 | 2.08% |
| | | Social Sciences | 7 | 7.29% |
| | | Total | 96 | 100.00% |
| | Staff | Applied Science and Engineering | 3 | 3.26% |
| | | Business | 4 | 4.35% |
| | | Education | 1 | 1.09% |
| | | Fine Arts | 2 | 2.17% |
| | | Humanities | 3 | 3.26% |

| | | | Final Report | |
|--|------------------------------|---------------------------------|--------------|----------------|
| | | | n | % Group |
| Patient Care | Staff | Law | 3 | 3.26% |
| | | Medical/Health Sciences | 69 | 75.00% |
| | | Other | 3 | 3.26% |
| | | Sciences | 3 | 3.26% |
| | | Social Sciences | 1 | 1.09% |
| | | Total | 92 | 100.00% |
| | Undergraduate Student | Applied Science and Engineering | 16 | 6.08% |
| | | Business | 8 | 3.04% |
| | | Education | 3 | 1.14% |
| | | Environmental Studies | 5 | 1.90% |
| | | Fine Arts | 3 | 1.14% |
| | | Humanities | 10 | 3.80% |
| | | Law | 2 | 0.76% |
| | | Medical/Health Sciences | 159 | 60.46% |
| | | Other | 22 | 8.37% |
| | | Sciences | 23 | 8.75% |
| | | Social Sciences | 12 | 4.56% |
| | | Total | 263 | 100.00% |
| | Total | | 1,060 | 100.00% |
| Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | Faculty | Applied Science and Engineering | 128 | 11.88% |
| | | Business | 32 | 2.97% |
| | | Education | 20 | 1.86% |
| | | Environmental Studies | 17 | 1.58% |
| | | Fine Arts | 2 | 0.19% |
| | | Humanities | 73 | 6.78% |
| | | Law | 7 | 0.65% |
| | | Medical/Health Sciences | 328 | 30.45% |
| | | Other | 17 | 1.58% |
| | | Sciences | 306 | 28.41% |

| | | | Final Report | |
|---|-----------------------------------|---------------------------------|--------------|----------------|
| | | | n | % Group |
| Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | Faculty | Social Sciences | 147 | 13.65% |
| | | Total | 1,077 | 100.00% |
| | Graduate/ Professional Student | Applied Science and Engineering | 432 | 20.94% |
| | | Business | 42 | 2.04% |
| | | Education | 28 | 1.36% |
| | | Environmental Studies | 84 | 4.07% |
| | | Fine Arts | 6 | 0.29% |
| | | Humanities | 93 | 4.51% |
| | | Law | 14 | 0.68% |
| | | Medical/Health Sciences | 416 | 20.16% |
| | | Other | 55 | 2.67% |
| | | Sciences | 629 | 30.49% |
| | | Social Sciences | 264 | 12.80% |
| | | Total | 2,063 | 100.00% |
| | Graduate/Professional Student | Applied Science and Engineering | 195 | 18.06% |
| | | Business | 9 | 0.83% |
| | | Education | 25 | 2.31% |
| | | Environmental Studies | 9 | 0.83% |
| | | Fine Arts | 8 | 0.74% |
| | | Humanities | 115 | 10.65% |
| | | Law | 18 | 1.67% |
| | | Medical/Health Sciences | 341 | 31.57% |
| | | Other | 10 | 0.93% |
| | | Sciences | 254 | 23.52% |
| | | Social Sciences | 96 | 8.89% |
| | | Total | 1,080 | 100.00% |
| | Library Staff | Applied Science and Engineering | 3 | 6.82% |
| | | Education | 7 | 15.91% |
| | | Fine Arts | 3 | 6.82% |

| | | | Final Report | |
|--|------------------------------|---------------------------------|--------------|----------------|
| | | | n | % Group |
| Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | Library Staff | Humanities | 2 | 4.55% |
| | | Medical/Health Sciences | 14 | 31.82% |
| | | Other | 6 | 13.64% |
| | | Sciences | 2 | 4.55% |
| | | Social Sciences | 7 | 15.91% |
| | | Total | 44 | 100.00% |
| | Other | Applied Science and Engineering | 35 | 12.59% |
| | | Business | 3 | 1.08% |
| | | Education | 4 | 1.44% |
| | | Environmental Studies | 4 | 1.44% |
| | | Humanities | 5 | 1.80% |
| | | Medical/Health Sciences | 103 | 37.05% |
| | | Other | 8 | 2.88% |
| | | Sciences | 84 | 30.22% |
| | | Social Sciences | 32 | 11.51% |
| | | Total | 278 | 100.00% |
| | Staff | Applied Science and Engineering | 71 | 12.89% |
| | | Business | 10 | 1.81% |
| | | Education | 6 | 1.09% |
| | | Environmental Studies | 12 | 2.18% |
| | | Fine Arts | 4 | 0.73% |
| | | Humanities | 15 | 2.72% |
| | | Law | 5 | 0.91% |
| | | Medical/Health Sciences | 216 | 39.20% |
| | | Other | 12 | 2.18% |
| | | Sciences | 140 | 25.41% |
| | | Social Sciences | 60 | 10.89% |
| | | Total | 551 | 100.00% |
| | Undergraduate Student | Applied Science and Engineering | 158 | 21.58% |

| | | | Final Report | |
|--|---------------------------------------|---------------------------------|--------------|----------------|
| | | | n | % Group |
| Sponsored (Funded) Research (For Faculty, Graduate Students, Staff) | Undergraduate Student | Business | 35 | 4.78% |
| | | Education | 17 | 2.32% |
| | | Environmental Studies | 11 | 1.50% |
| | | Fine Arts | 14 | 1.91% |
| | | Humanities | 63 | 8.61% |
| | | Law | 12 | 1.64% |
| | | Medical/Health Sciences | 120 | 16.39% |
| | | Other | 35 | 4.78% |
| | | Sciences | 158 | 21.58% |
| | | Social Sciences | 109 | 14.89% |
| | | Total | 732 | 100.00% |
| | Total | | 5,825 | 100.00% |
| Teaching | Faculty | Applied Science and Engineering | 18 | 2.49% |
| | | Business | 20 | 2.77% |
| | | Education | 48 | 6.65% |
| | | Environmental Studies | 5 | 0.69% |
| | | Fine Arts | 6 | 0.83% |
| | | Humanities | 109 | 15.10% |
| | | Law | 4 | 0.55% |
| | | Medical/Health Sciences | 282 | 39.06% |
| | | Other | 28 | 3.88% |
| | | Sciences | 46 | 6.37% |
| | | Social Sciences | 156 | 21.61% |
| | | Total | 722 | 100.00% |
| | Graduate/ Professional Student | Applied Science and Engineering | 7 | 3.43% |
| | | Business | 8 | 3.92% |
| | | Education | 40 | 19.61% |
| | | Environmental Studies | 9 | 4.41% |
| | | Fine Arts | 1 | 0.49% |

| | | | Final Report | |
|----------|--------------------------------|---------------------------------|--------------|----------------|
| | | | n | % Group |
| Teaching | Graduate/ Professional Student | Humanities | 22 | 10.78% |
| | | Law | 2 | 0.98% |
| | | Medical/Health Sciences | 78 | 38.24% |
| | | Other | 5 | 2.45% |
| | | Sciences | 12 | 5.88% |
| | | Social Sciences | 20 | 9.80% |
| | | Total | 204 | 100.00% |
| | Graduate/Professional Student | Applied Science and Engineering | 12 | 9.16% |
| | | Business | 1 | 0.76% |
| | | Education | 19 | 14.50% |
| | | Environmental Studies | 1 | 0.76% |
| | | Fine Arts | 2 | 1.53% |
| | | Humanities | 19 | 14.50% |
| | | Medical/Health Sciences | 54 | 41.22% |
| | | Other | 4 | 3.05% |
| | | Sciences | 7 | 5.34% |
| | | Social Sciences | 12 | 9.16% |
| | | Total | 131 | 100.00% |
| | Library Staff | Applied Science and Engineering | 3 | 4.55% |
| | | Business | 4 | 6.06% |
| | | Education | 4 | 6.06% |
| | | Environmental Studies | 2 | 3.03% |
| | | Fine Arts | 1 | 1.52% |
| | | Humanities | 14 | 21.21% |
| | | Law | 3 | 4.55% |
| | | Medical/Health Sciences | 14 | 21.21% |
| | | Other | 13 | 19.70% |
| | | Sciences | 1 | 1.52% |
| | | Social Sciences | 7 | 10.61% |

| | | | Final Report | |
|----------|-----------------------|---------------------------------|--------------|---------|
| | | | n | % Group |
| Teaching | Library Staff | Total | 66 | 100.00% |
| | Other | Applied Science and Engineering | 4 | 7.14% |
| | | Business | 2 | 3.57% |
| | | Education | 8 | 14.29% |
| | | Fine Arts | 2 | 3.57% |
| | | Humanities | 3 | 5.36% |
| | | Medical/Health Sciences | 19 | 33.93% |
| | | Other | 4 | 7.14% |
| | | Sciences | 9 | 16.07% |
| | | Social Sciences | 5 | 8.93% |
| | | Total | 56 | 100.00% |
| | Staff | Applied Science and Engineering | 11 | 8.33% |
| | | Business | 4 | 3.03% |
| | | Education | 8 | 6.06% |
| | | Environmental Studies | 1 | 0.76% |
| | | Fine Arts | 5 | 3.79% |
| | | Humanities | 6 | 4.55% |
| | | Law | 3 | 2.27% |
| | | Medical/Health Sciences | 61 | 46.21% |
| | | Other | 3 | 2.27% |
| | | Sciences | 14 | 10.61% |
| | | Social Sciences | 16 | 12.12% |
| | | Total | 132 | 100.00% |
| | Undergraduate Student | Applied Science and Engineering | 20 | 10.58% |
| | | Business | 5 | 2.65% |
| | | Education | 41 | 21.69% |
| | | Environmental Studies | 4 | 2.12% |
| | | Fine Arts | 3 | 1.59% |
| | | Humanities | 18 | 9.52% |

| | | | Final Report | |
|----------|-----------------------|-------------------------|--------------|---------|
| | | | n | % Group |
| Teaching | Undergraduate Student | Law | 2 | 1.06% |
| | | Medical/Health Sciences | 41 | 21.69% |
| | | Other | 7 | 3.70% |
| | | Sciences | 29 | 15.34% |
| | | Social Sciences | 19 | 10.05% |
| | | Total | 189 | 100.00% |
| | Total | | 1,500 | 100.00% |
| Total | | | 34,776 | 100.00% |

Table 2.12 User Status * Location * Affiliation

| | | | n % Group | |
|----------------|---|---------------------------------|------------------|----------------|
| Faculty | In the Library | Applied Science and Engineering | 14 | 13.21% |
| | | Business | 5 | 4.72% |
| | | Education | 13 | 12.26% |
| | | Environmental Studies | 2 | 1.89% |
| | | Fine Arts | 2 | 1.89% |
| | | Humanities | 18 | 16.98% |
| | | Law | 6 | 5.66% |
| | | Medical/Health Sciences | 14 | 13.21% |
| | | Other | 9 | 8.49% |
| | | Sciences | 7 | 6.60% |
| | | Social Sciences | 16 | 15.09% |
| | | Total | 106 | 100.00% |
| | Off-campus | Applied Science and Engineering | 105 | 5.36% |
| | | Business | 80 | 4.08% |
| | | Education | 69 | 3.52% |
| | | Environmental Studies | 19 | 0.97% |
| | | Fine Arts | 12 | 0.61% |
| | | Humanities | 212 | 10.82% |
| | | Law | 15 | 0.77% |
| | | Medical/Health Sciences | 832 | 42.47% |
| | | Other | 59 | 3.01% |
| | | Sciences | 243 | 12.40% |
| | | Social Sciences | 313 | 15.98% |
| | | Total | 1,959 | 100.00% |
| | On-campus but not in the library | Applied Science and Engineering | 88 | 9.66% |
| | | Business | 47 | 5.16% |
| | | Education | 41 | 4.50% |
| | | Environmental Studies | 24 | 2.63% |
| | | Fine Arts | 8 | 0.88% |

| | | | n % Group | |
|--------------------------------|----------------------------------|---------------------------------|--------------|----------------|
| Faculty | On-campus but not in the library | Humanities | 80 | 8.78% |
| | | Law | 11 | 1.21% |
| | | Medical/Health Sciences | 229 | 25.14% |
| | | Other | 18 | 1.98% |
| | | Sciences | 201 | 22.06% |
| | | Social Sciences | 164 | 18.00% |
| | | Total | 911 | 100.00% |
| | Total | | 2,976 | 100.00% |
| Graduate/ Professional Student | In the Library | Applied Science and Engineering | 43 | 8.83% |
| | | Business | 33 | 6.78% |
| | | Education | 33 | 6.78% |
| | | Environmental Studies | 15 | 3.08% |
| | | Fine Arts | 10 | 2.05% |
| | | Humanities | 55 | 11.29% |
| | | Law | 20 | 4.11% |
| | | Medical/Health Sciences | 101 | 20.74% |
| | | Other | 27 | 5.54% |
| | | Sciences | 38 | 7.80% |
| | | Social Sciences | 112 | 23.00% |
| | | Total | 487 | 100.00% |
| | Off-campus | Applied Science and Engineering | 380 | 7.01% |
| | | Business | 209 | 3.85% |
| | | Education | 398 | 7.34% |
| | | Environmental Studies | 161 | 2.97% |
| | | Fine Arts | 27 | 0.50% |
| | | Humanities | 380 | 7.01% |
| | | Law | 81 | 1.49% |
| | | Medical/Health Sciences | 1,749 | 32.25% |
| | | Other | 329 | 6.07% |
| | | Sciences | 586 | 10.80% |

| | | | n % Group | |
|--------------------------------|----------------------------------|---------------------------------|--------------|----------------|
| Graduate/ Professional Student | Off-campus | Social Sciences | 1,124 | 20.72% |
| | | Total | 5,424 | 100.00% |
| | On-campus but not in the library | Applied Science and Engineering | 335 | 19.64% |
| | | Business | 80 | 4.69% |
| | | Education | 38 | 2.23% |
| | | Environmental Studies | 48 | 2.81% |
| | | Fine Arts | 6 | 0.35% |
| | | Humanities | 76 | 4.45% |
| | | Law | 16 | 0.94% |
| | | Medical/Health Sciences | 345 | 20.22% |
| | | Other | 63 | 3.69% |
| | | Sciences | 404 | 23.68% |
| | | Social Sciences | 295 | 17.29% |
| | | Total | 1,706 | 100.00% |
| | Total | | 7,617 | 100.00% |
| Graduate/Professional Student | In the Library | Applied Science and Engineering | 31 | 11.19% |
| | | Business | 8 | 2.89% |
| | | Education | 24 | 8.66% |
| | | Environmental Studies | 1 | 0.36% |
| | | Fine Arts | 6 | 2.17% |
| | | Humanities | 49 | 17.69% |
| | | Law | 16 | 5.78% |
| | | Medical/Health Sciences | 58 | 20.94% |
| | | Other | 37 | 13.36% |
| | | Sciences | 19 | 6.86% |
| | | Social Sciences | 28 | 10.11% |
| | | Total | 277 | 100.00% |
| | Off-campus | Applied Science and Engineering | 188 | 6.96% |
| | | Business | 53 | 1.96% |
| | | Education | 302 | 11.18% |

| | | | n % Group | |
|--------------------------------------|---|---------------------------------|------------------|----------------|
| Graduate/Professional Student | Off-campus | Environmental Studies | 14 | 0.52% |
| | | Fine Arts | 29 | 1.07% |
| | | Humanities | 254 | 9.40% |
| | | Law | 43 | 1.59% |
| | | Medical/Health Sciences | 1,212 | 44.87% |
| | | Other | 132 | 4.89% |
| | | Sciences | 251 | 9.29% |
| | | Social Sciences | 223 | 8.26% |
| | | Total | 2,701 | 100.00% |
| | On-campus but not in the library | Applied Science and Engineering | 136 | 21.22% |
| | | Business | 22 | 3.43% |
| | | Education | 33 | 5.15% |
| | | Environmental Studies | 14 | 2.18% |
| | | Fine Arts | 9 | 1.40% |
| | | Humanities | 50 | 7.80% |
| | | Law | 8 | 1.25% |
| | | Medical/Health Sciences | 179 | 27.93% |
| | | Other | 15 | 2.34% |
| | | Sciences | 105 | 16.38% |
| | | Social Sciences | 70 | 10.92% |
| | | Total | 641 | 100.00% |
| | Total | | 3,619 | 100.00% |
| Library Staff | In the Library | Applied Science and Engineering | 8 | 3.09% |
| | | Business | 9 | 3.47% |
| | | Education | 16 | 6.18% |
| | | Environmental Studies | 2 | 0.77% |
| | | Fine Arts | 6 | 2.32% |
| | | Humanities | 46 | 17.76% |
| | | Law | 6 | 2.32% |
| | | Medical/Health Sciences | 50 | 19.31% |

| | | | n | % Group |
|---------------|----------------------------------|---------------------------------|------------|----------------|
| Library Staff | In the Library | Other | 61 | 23.55% |
| | | Sciences | 15 | 5.79% |
| | | Social Sciences | 40 | 15.44% |
| | | Total | 259 | 100.00% |
| | Off-campus | Applied Science and Engineering | 4 | 4.08% |
| | | Business | 3 | 3.06% |
| | | Education | 5 | 5.10% |
| | | Environmental Studies | 2 | 2.04% |
| | | Fine Arts | 1 | 1.02% |
| | | Humanities | 9 | 9.18% |
| | | Law | 1 | 1.02% |
| | | Medical/Health Sciences | 49 | 50.00% |
| | | Other | 9 | 9.18% |
| | | Sciences | 6 | 6.12% |
| | | Social Sciences | 9 | 9.18% |
| | | Total | 98 | 100.00% |
| | On-campus but not in the library | Applied Science and Engineering | 2 | 3.57% |
| | | Business | 5 | 8.93% |
| | | Education | 6 | 10.71% |
| | | Fine Arts | 1 | 1.79% |
| | | Humanities | 3 | 5.36% |
| | | Law | 2 | 3.57% |
| | | Medical/Health Sciences | 14 | 25.00% |
| | | Other | 10 | 17.86% |
| | | Sciences | 4 | 7.14% |
| | | Social Sciences | 9 | 16.07% |
| | | Total | 56 | 100.00% |
| | Total | | 413 | 100.00% |
| Other | In the Library | Applied Science and Engineering | 10 | 10.42% |
| | | Business | 5 | 5.21% |

| | | | n % Group | |
|--------------|---|---------------------------------|------------------|----------------|
| Other | In the Library | Education | 1 | 1.04% |
| | | Environmental Studies | 2 | 2.08% |
| | | Fine Arts | 3 | 3.13% |
| | | Humanities | 16 | 16.67% |
| | | Law | 2 | 2.08% |
| | | Medical/Health Sciences | 22 | 22.92% |
| | | Other | 10 | 10.42% |
| | | Sciences | 11 | 11.46% |
| | | Social Sciences | 14 | 14.58% |
| | | Total | 96 | 100.00% |
| | Off-campus | Applied Science and Engineering | 38 | 4.90% |
| | | Business | 18 | 2.32% |
| | | Education | 36 | 4.64% |
| | | Environmental Studies | 18 | 2.32% |
| | | Fine Arts | 7 | 0.90% |
| | | Humanities | 39 | 5.03% |
| | | Law | 5 | 0.64% |
| | | Medical/Health Sciences | 315 | 40.59% |
| | | Other | 79 | 10.18% |
| | | Sciences | 113 | 14.56% |
| | | Social Sciences | 108 | 13.92% |
| | | Total | 776 | 100.00% |
| | On-campus but not in the library | Applied Science and Engineering | 23 | 17.29% |
| | | Business | 5 | 3.76% |
| | | Education | 3 | 2.26% |
| | | Environmental Studies | 3 | 2.26% |
| | | Humanities | 4 | 3.01% |
| | | Medical/Health Sciences | 27 | 20.30% |
| | | Other | 7 | 5.26% |
| | | Sciences | 41 | 30.83% |

| | | | n | % Group |
|-------|----------------------------------|---------------------------------|--------------|----------------|
| Other | On-campus but not in the library | Social Sciences | 20 | 15.04% |
| | | Total | 133 | 100.00% |
| | Total | | 1,005 | 100.00% |
| Staff | In the Library | Applied Science and Engineering | 10 | 9.90% |
| | | Business | 8 | 7.92% |
| | | Education | 5 | 4.95% |
| | | Fine Arts | 6 | 5.94% |
| | | Humanities | 10 | 9.90% |
| | | Law | 4 | 3.96% |
| | | Medical/Health Sciences | 29 | 28.71% |
| | | Other | 15 | 14.85% |
| | | Sciences | 4 | 3.96% |
| | | Social Sciences | 10 | 9.90% |
| | | Total | 101 | 100.00% |
| | Off-campus | Applied Science and Engineering | 56 | 8.75% |
| | | Business | 17 | 2.66% |
| | | Education | 16 | 2.50% |
| | | Environmental Studies | 6 | 0.94% |
| | | Fine Arts | 8 | 1.25% |
| | | Humanities | 27 | 4.22% |
| | | Law | 7 | 1.09% |
| | | Medical/Health Sciences | 318 | 49.69% |
| | | Other | 13 | 2.03% |
| | | Sciences | 110 | 17.19% |
| | | Social Sciences | 62 | 9.69% |
| | | Total | 640 | 100.00% |
| | On-campus but not in the library | Applied Science and Engineering | 48 | 11.29% |
| | | Business | 15 | 3.53% |
| | | Education | 10 | 2.35% |
| | | Environmental Studies | 10 | 2.35% |

| | | | n % Group | |
|------------------------------|---|---------------------------------|------------------|----------------|
| Staff | On-campus but not in the library | Fine Arts | 3 | 0.71% |
| | | Humanities | 16 | 3.76% |
| | | Law | 5 | 1.18% |
| | | Medical/Health Sciences | 161 | 37.88% |
| | | Other | 14 | 3.29% |
| | | Sciences | 93 | 21.88% |
| | | Social Sciences | 50 | 11.76% |
| | | Total | 425 | 100.00% |
| | Total | | 1,166 | 100.00% |
| Undergraduate Student | In the Library | Applied Science and Engineering | 222 | 7.62% |
| | | Business | 129 | 4.43% |
| | | Education | 66 | 2.26% |
| | | Environmental Studies | 68 | 2.33% |
| | | Fine Arts | 63 | 2.16% |
| | | Humanities | 411 | 14.10% |
| | | Law | 39 | 1.34% |
| | | Medical/Health Sciences | 455 | 15.61% |
| | | Other | 160 | 5.49% |
| | | Sciences | 550 | 18.87% |
| | | Social Sciences | 752 | 25.80% |
| | | Total | 2,915 | 100.00% |
| | Off-campus | Applied Science and Engineering | 506 | 4.11% |
| | | Business | 480 | 3.90% |
| | | Education | 301 | 2.44% |
| | | Environmental Studies | 281 | 2.28% |
| | | Fine Arts | 200 | 1.62% |
| | | Humanities | 1,394 | 11.32% |
| | | Law | 122 | 0.99% |
| | | Medical/Health Sciences | 2,769 | 22.49% |
| | | Other | 826 | 6.71% |

| | | | n % Group | |
|-----------------------|--|---------------------------------|-----------|---------|
| Undergraduate Student | Off-campus | Sciences | 2,228 | 18.10% |
| | | Social Sciences | 3,204 | 26.03% |
| | | Total | 12,311 | 100.00% |
| | On-campus but not in the library | Applied Science and Engineering | 169 | 6.14% |
| | | Business | 145 | 5.27% |
| | | Education | 71 | 2.58% |
| | | Environmental Studies | 100 | 3.63% |
| | | Fine Arts | 49 | 1.78% |
| | | Humanities | 320 | 11.62% |
| | | Law | 23 | 0.84% |
| | | Medical/Health Sciences | 465 | 16.88% |
| | | Other | 153 | 5.56% |
| | | Sciences | 549 | 19.93% |
| | | Social Sciences | 710 | 25.78% |
| | | Total | 2,754 | 100.00% |
| Total | | 17,980 | 100.00% | |
| Total | | | 34,776 | 100.00% |



Published by the Association of Research Libraries

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Washington, DC 20036

202-296-2296 FAX 202-872-0884

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