Supporting Statement **B** for

 Title of Study

 **Consumer Health Information in Public Libraries User Needs Survey (NLM)**

 Date: January 25, 2016,

 OMB Control #: TBA

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## B. Collection of Information Employing Statistical Methods

## B.1 Respondent Universe and Sampling Methods

Federal Institute of Museum and Library Services (IMLS) publicly available data files (2012 edition, most recently collected at the time this study was designed) were reviewed to establish central public libraries per capita in each of the 50 United States. The rationale was to identify states in which each central public library has high impact because there are fewer libraries available for use per citizen. This list of high-impact libraries was then sorted to create two more lists:

• 10 highest-impact libraries in states with federal health insurance exchanges (In descending order: Florida, Georgia, North Carolina, South Carolina, Virginia, Arizona, Louisiana, Mississippi, Ohio and Utah). The average percentage of citizen’s uninsured in these 10 states was 17% in 2012.

• 10 highest-impact libraries in states with state-run health insurance exchanges (In descending order: Hawaii, District of Columbia, Maryland, California, Washington, Colorado, Minnesota, Kentucky, Rhode Island and Oregon). The average percentage of citizen’s uninsured in these 10 states was 13% in 2012.1

There are 809 central public libraries in the 10 states using federal health insurance exchanges, and 749 in the 10 states running their own health insurance changes, for a total of 1558. A 50% response rate is assumed for the whole dataset.

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| --- | --- | --- | --- |
| **State** | **Library Service Area Population[[1]](#footnote-1)** | **Total central public libraries** | **Type of health insurance exchange (F=federal; S = state)** |
| Arizona | 2791492 | 53 | F |
| California | 37678127 | 165 | S |
| Colorado | 5094369 | 98 | S |
| D.C. | 632323 | 1 | S |
| Florida | 19337915 | 57 | F |
| Georgia | 10459546 | 61 | F |
| Hawaii | 1374810 | 1 | S |
| Kentucky | 4369356 | 119 | S |
| Louisiana | 4624437 | 68 | F |
| Maryland | 6584601 | 370 | S |
| Minnesota | 5796131 | 128 | S |
| Mississippi | 3003396 | 48 | F |
| North Carolina | 9669244 | 66 | F |
| Ohio | 11547241 | 239 | F |
| Oregon | 3695088 | 124 | S |
| Rhode Island | 1431901 | 47 | S |
| South Carolina | 4652360 | 40 | F |
| Utah | 2814871 | 63 | F |
| Virginia | 7875242 | 81 | F |
| Washington | 6697131 | 52 | S |

## B.2 Procedures for the Collection of Information

No statistical methodology / estimation procedures will be used in sample selection. As described in the previous section, we will contact the complete population of 10 highest-impact libraries in states with federal health insurance exchanges and 10 highest-impact libraries in states with state-run health insurance exchanges. Fifty percent response rate is expected, based on prior experience with similar studies.

## B.3 Methods to Maximize Response Rates and Deal with Nonresponse

The University of Wisconsin Survey Center recommends using an iPad ruffle to incentivize response.

## B.4 Test of Procedures or Methods to be Undertaken

A group of experts in library / information science, social science, and survey design reviewed the survey instrument and confirmed its face and content validity. University of Wisconsin-Madison Survey Center reviewed survey questions’ wording, ensuring adherence to best practices for clarity, absence of bias, and non-leading question. As the survey tests participants’ experience with a specific process, rather than a psychological / social construct, a statistical test of construct validity was deemed non-applicable.

## B.5 Individuals Consulted on Statistical Aspects and Individuals Collecting and/or Analyzing Data

The University of Wisconsin Survey Center, directed by Dr. Nora Cate Schaeffer, and Mr. John Stevenson has been hired to provide design and statistical consultation, and to collect survey data using their state of the art web survey platform.  Ms. Griselle Sanchez-Diettert will act as study director at the UW Survey Center, and oversee the UWSC’s data collection efforts.  The UWSC can be contacted at: 475 North Charter St, 4th Floor Sterling Hall, Madison, WI 53706, 608-262-8403, <http://uwsc.wisc.edu/>

1. IMLS 2012 file Pusum12a.xls [↑](#footnote-ref-1)