

NNSC GOALS AND INDICATORS UPDATE

*Compiled by the
NNLM Evaluation Office
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The Goals and Indicators Project

The National Network Steering Committee (NNSC) was convened in May 2016 as a governing body for the National Network of Libraries of Medicine. The NNSC is charged with providing strategic guidance and direction to ensure the work of the National Network of Libraries of Medicine (NNLM). Their work includes setting priorities for the NNLM and overseeing its activities.

Between May and December 2016, the NNSC developed an [NNLM Goals and Indicators](#) document that outlined three goals and a series of indicators that would allow the committee to assess progress toward those goals. The final document was approved December 8, 2016. The minutes of the NNSC meetings are available here: https://staff.nlm.gov/wiki/NNSC_Meeting_Minutes. The Goals and Indicators document is listed with the NNSC December minutes.

Goals

Goal 1: Connect NLM and NNLM resources to local and regional communities to increase awareness of, access to, and use of biomedical and health information

Goal 2: Build capacity in emerging trends, such as data management practices, services and tools, to support FAIR data guiding principles

Goal 3: Enhance health information access by further developing health sciences librarians' professional skills and knowledge.

Measures

The data used in this report come from the sources on the right. Please remember that RMLs and network members are continually adding data to most of these data sources. On the following pages, a note identifies the information source for each graph and the date the information was downloaded.

- Outreach Project Database (OPD)
- Training
- Exhibit
- Professional Development
- Technology Improvement
- Activity Report (AR)
- Project Information (PI)
- Membership Directory

Part 1 – Report on indicators measured through existing NNLM data sources

Many of the indicators identified by the NNSC can be assessed using data currently being collected by NNLM. The Outreach Project Database, Activity Reports, Participant Information forms, and the evaluation forms used for NNLM outreach activities are all valuable sources of data that can be compiled to assess indicators in the NNLM Goals and Objectives document.

Part 1 provides a snapshot of assessment information from these existing data sources. Each page presents data for an indicator from the Goals and Indicator document.

Please note that information in most of these data sources updates regularly. The data source and date that information was downloaded appear at the bottom of each page.

Goal 1

Connect NLM and NNLM resources to local and regional communities to increase awareness of, access to, and use of biomedical and health information

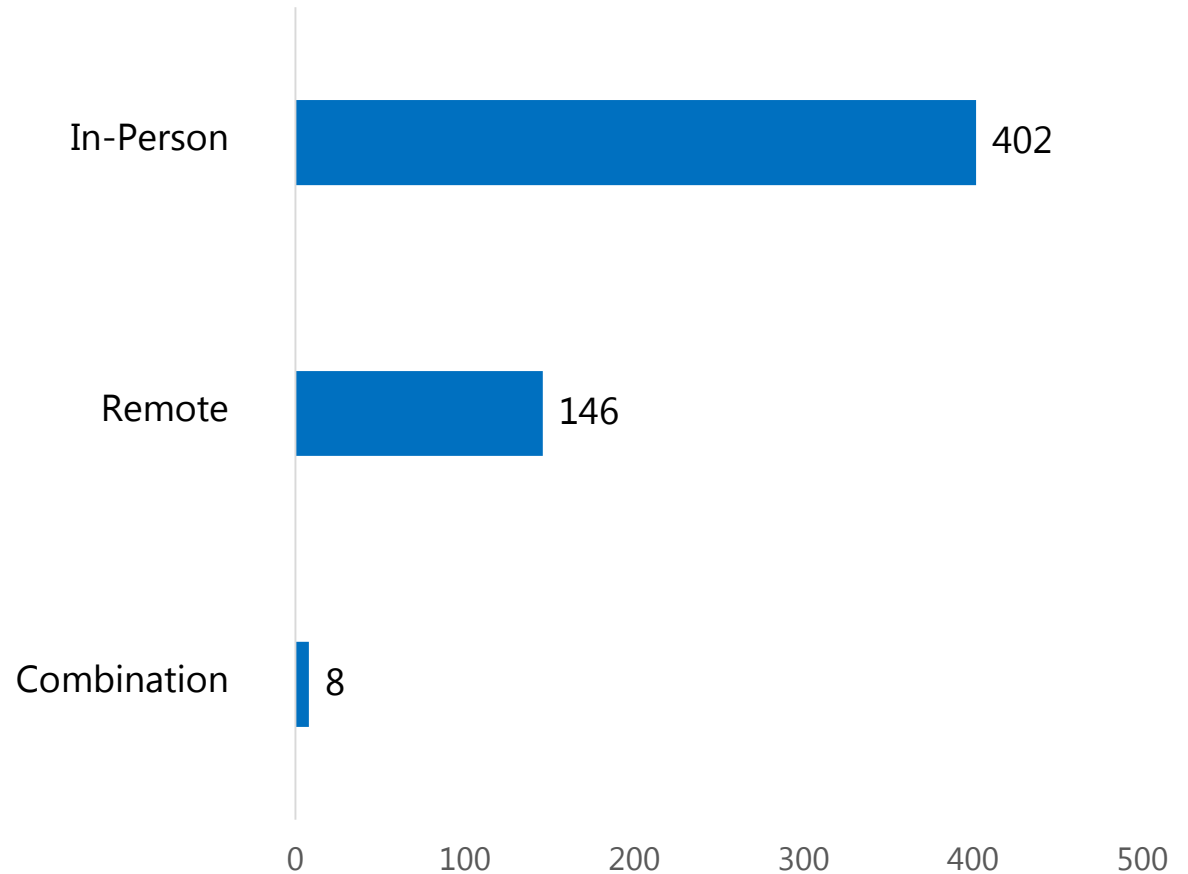
Indicators:

1. Number and type of training or informational events.
2. Number and type of training/presentations participants.
3. Number, type, and location of exhibits.
4. Number, type, and location of site visits.
5. Number and type of Network members.
6. Counts/descriptions of subaward activities.
7. Number and type of awards that promote and improve the use of technology for health information access
8. Number and type of collaborations (any type of collaboration that includes an RML)
9. Enhance health information access by further developing health sciences librarians' professional skills and knowledge
10. Number and identification of channels of communication that RMLs and Offices use to promote NLM and NNLM resources.
11. Number of reports of user assistance as recorded by NDCO.
12. Number of training participants who report improved skill in finding and using health information resources.
13. Number of training participants who report increased use of NLM resources.
14. Number of training participants who report teaching or telling others about NLM resources.
15. Collaborating organizations and network members report that they recognize the contribution of NNLM.

Goal 1

Indicator 1: Number and type of training or informational events: type of events

Informational events are defined as presentations, training sessions, or site visits. They do not include exhibits, which are tracked in a separate data source. There were 556 records in the Activity Reports (ARs) as of January 22, 2017.

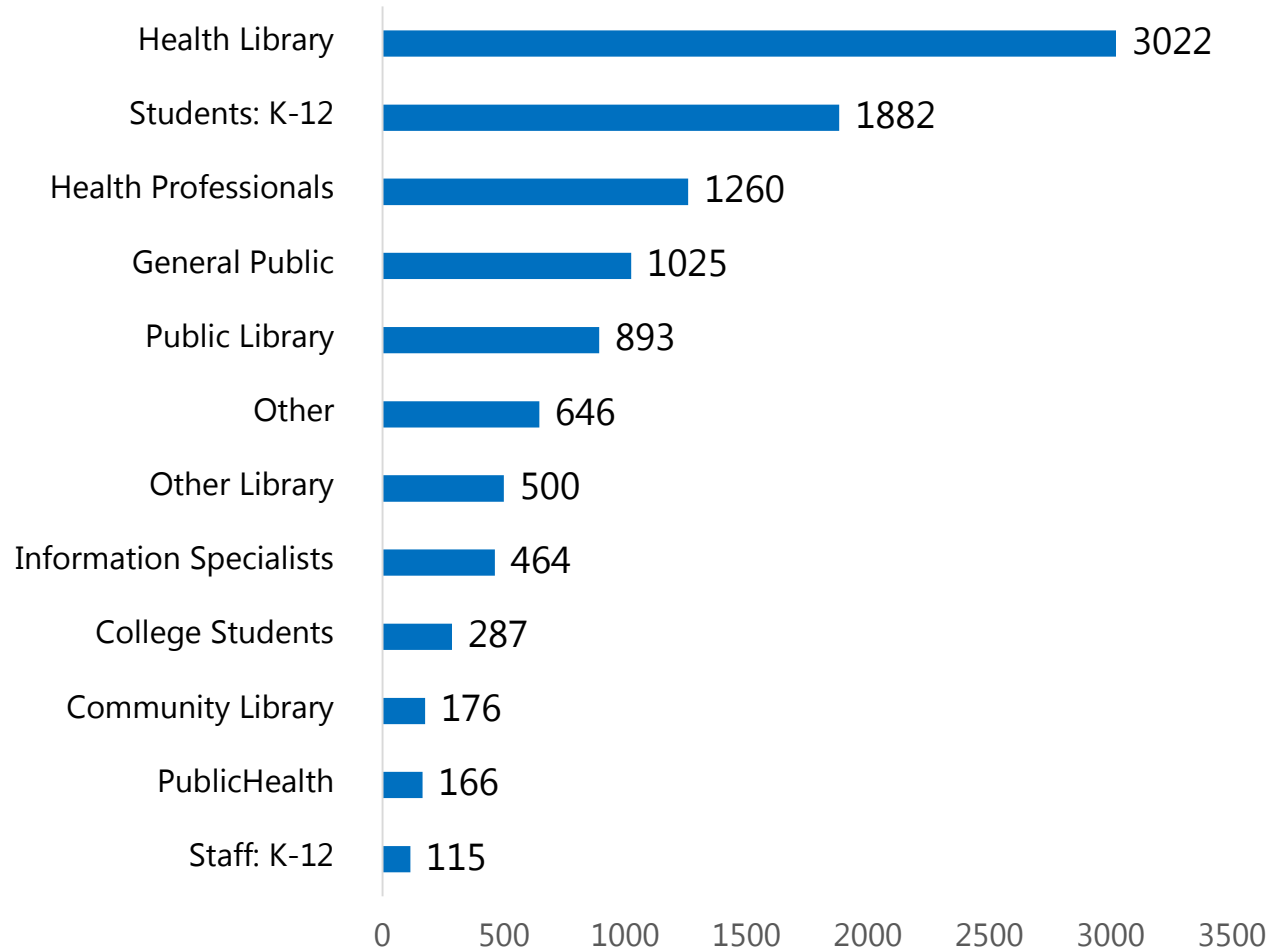


Measure Source: Activity Reports (compiled 1/22/2017)

Goal 1

Indicator 2: Number and type of training/presentations participants: Beneficiaries

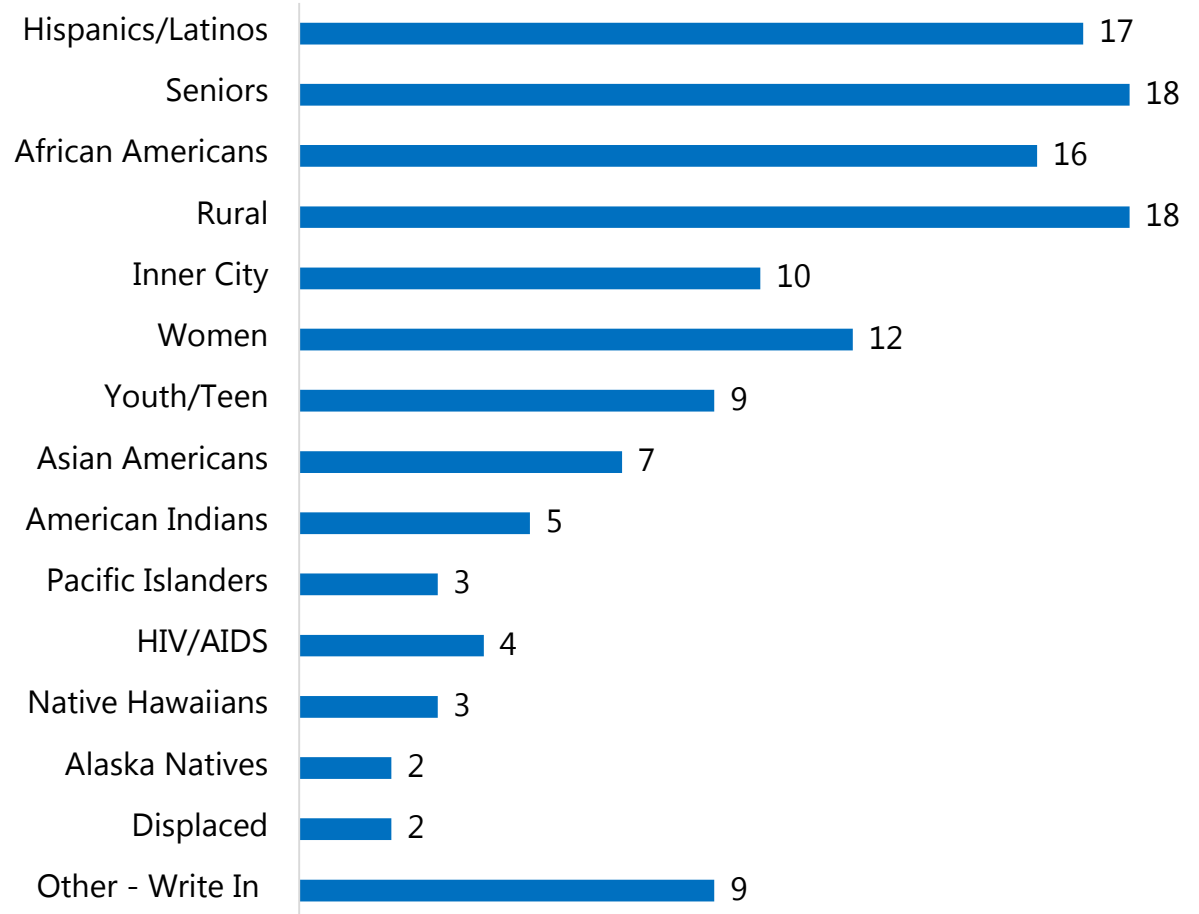
According to the Activity Reports (ARs), attendance at NNLM informational events reached 24,767 participants. Of those contacts, the NNLM collected participant information on 5,079 (21%) of participants through the Participant Information (PI) forms. AR attendance counts are higher because PI information is not collected at all informational events. Participants may select more than one option.



Goal 1

*Indicator 3: Number, type, and location of exhibits:
Demographic groups*

NNLM has held 68 exhibits. This chart shows the demographic groups that were served by the events where NNLM groups chose to exhibit. Any given exhibit may have reached multiple groups.

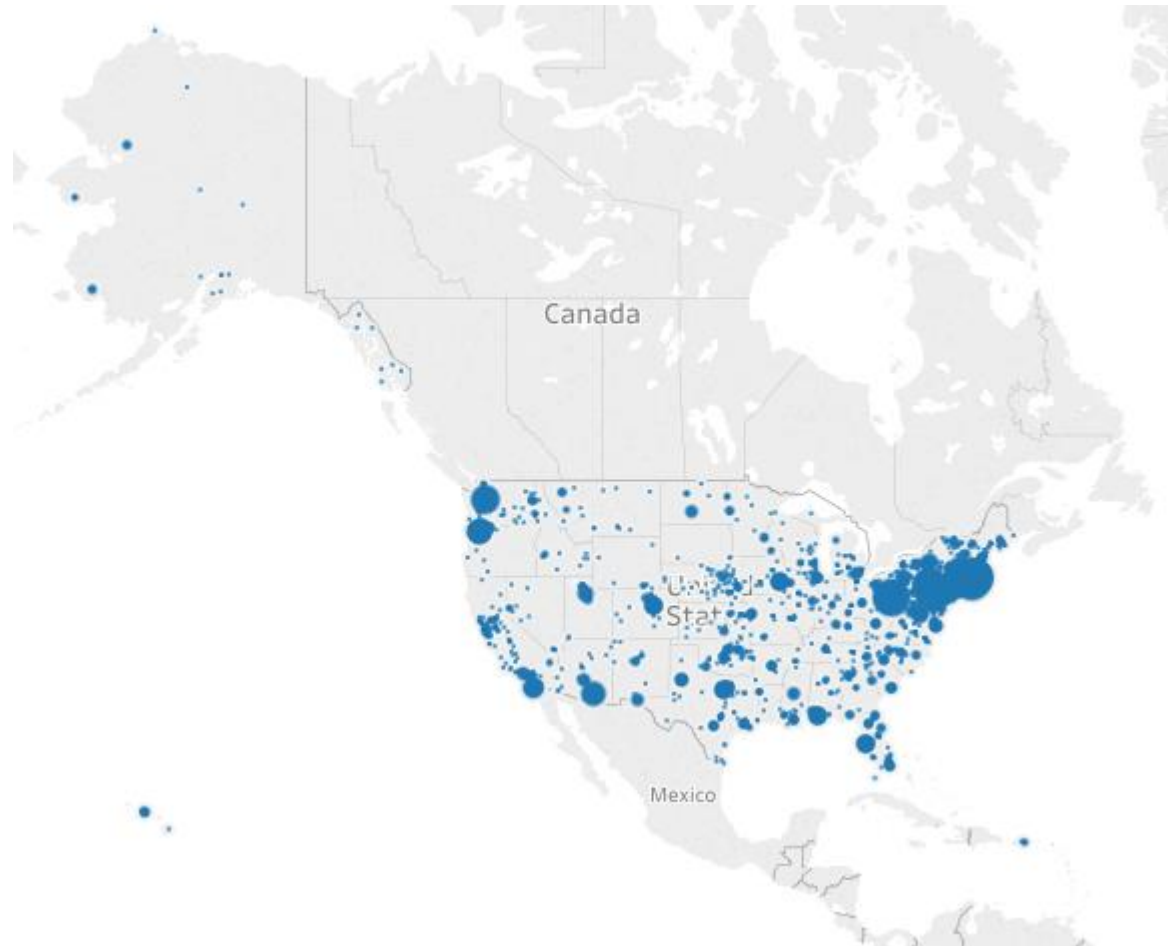


Measure Source: Exhibits Form (compiled 2/15/ 2017)

Goal 1

Indicator 2: Number and type of training/presentations participants: Location

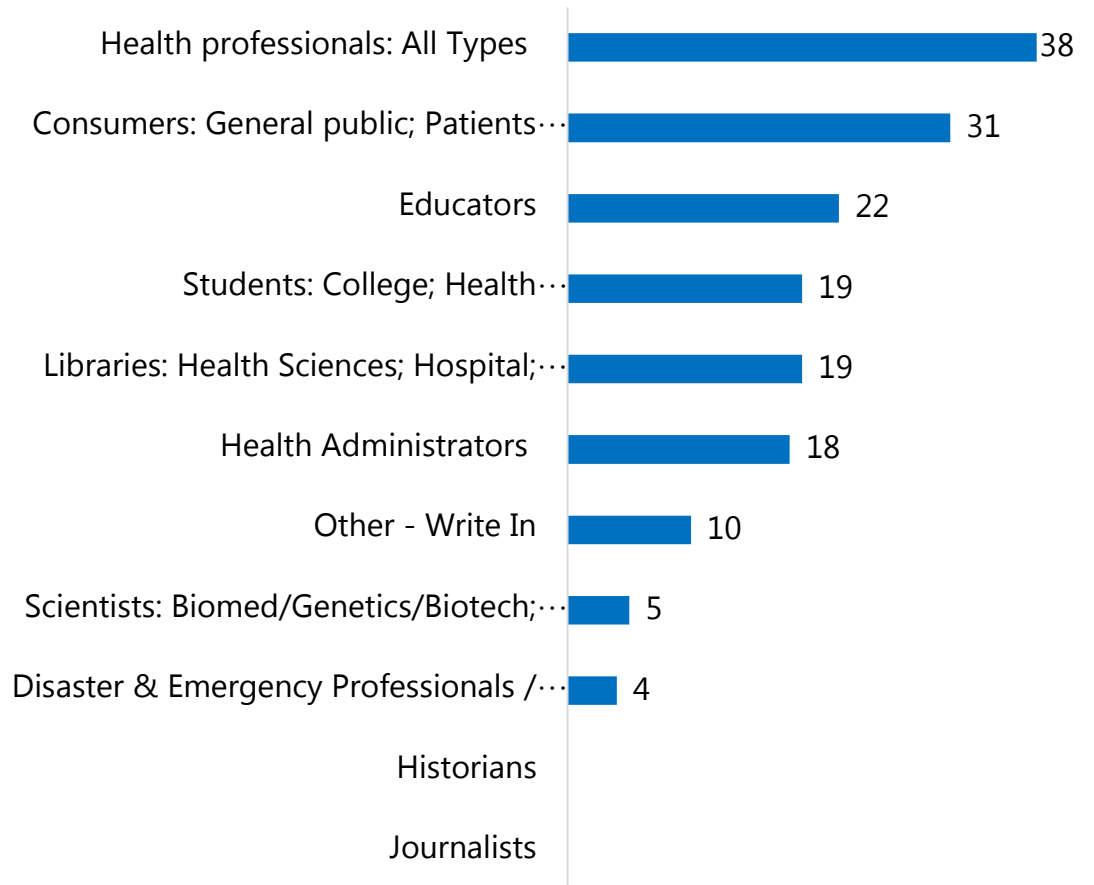
This map shows the location of participants, based on their zip codes. Larger dots indicate more participants from that zip code.



Goal 1

Indicator 3: Number, type, and location of exhibits: Beneficiary groups

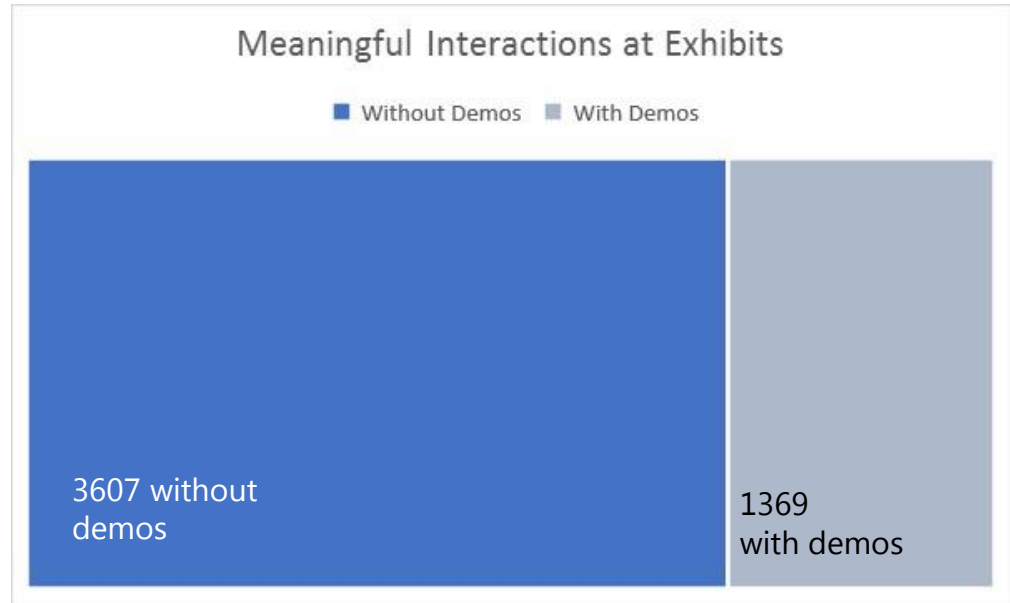
This chart shows the beneficiary groups served at the events where the exhibits were conducted. Any given exhibit may have reached multiple groups.



Goal 1

Indicator 3: Number, type, and location of exhibits: Interactions

Exhibitors reported having 4976 meaningful interactions at the exhibits: 28% included demonstrations, 72% did not include demonstrations.



Measure Source: Exhibits Forms, (updated 2/15/2017)

Goal 1

Indicator 4: Number, type, and location of site visits.

The project descriptions of 738 activity reports were reviewed and 130 included site visits.

A more thorough content analysis will be conducted to address type and location.

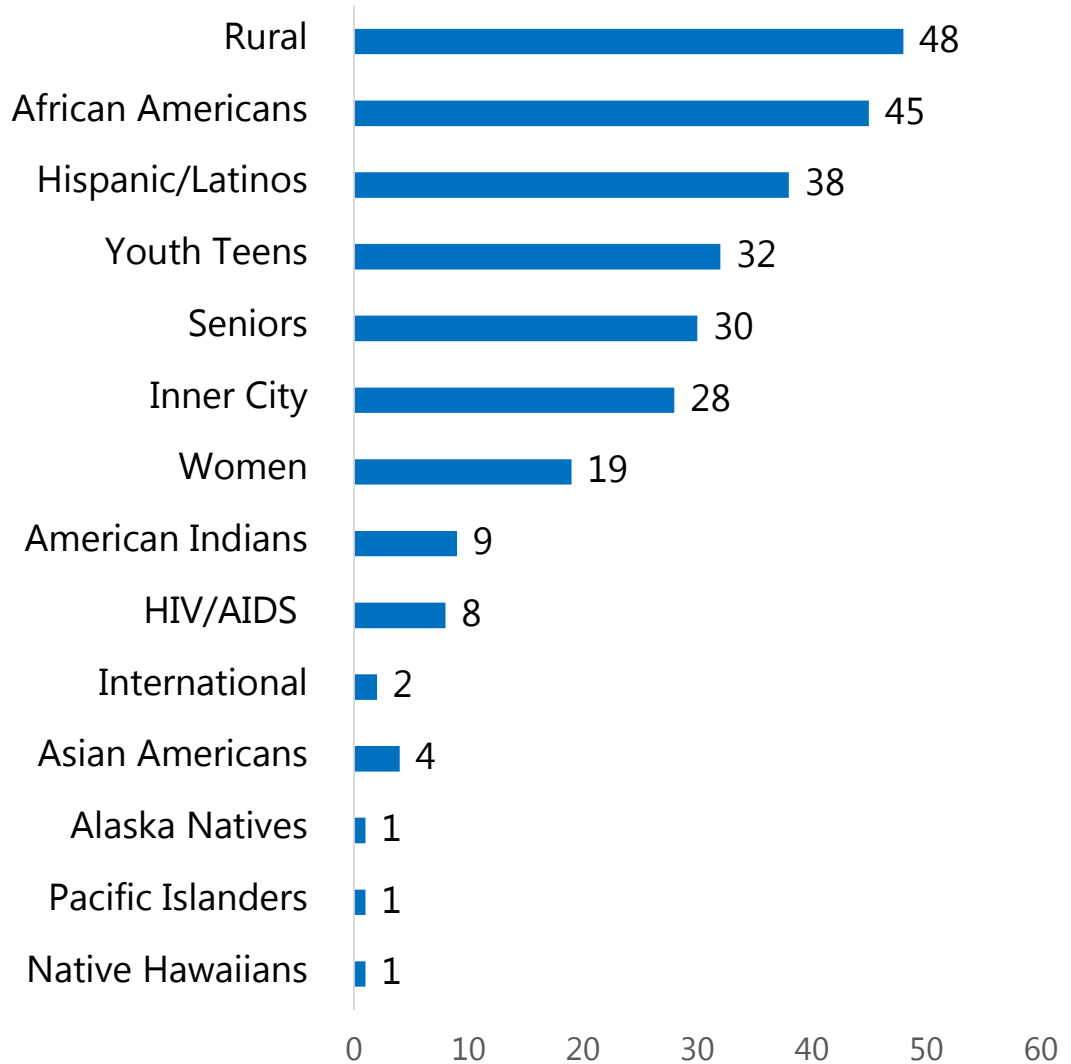
18%

of outreach activities involved site visits

Goal 1

Indicator 6: Counts/descriptions of subaward activities: Demographics.

There were 168 subawards reported in the OPD at time of compilation. These are the demographic groups that subawards are designed to reach. Subaward projects may focus on more.

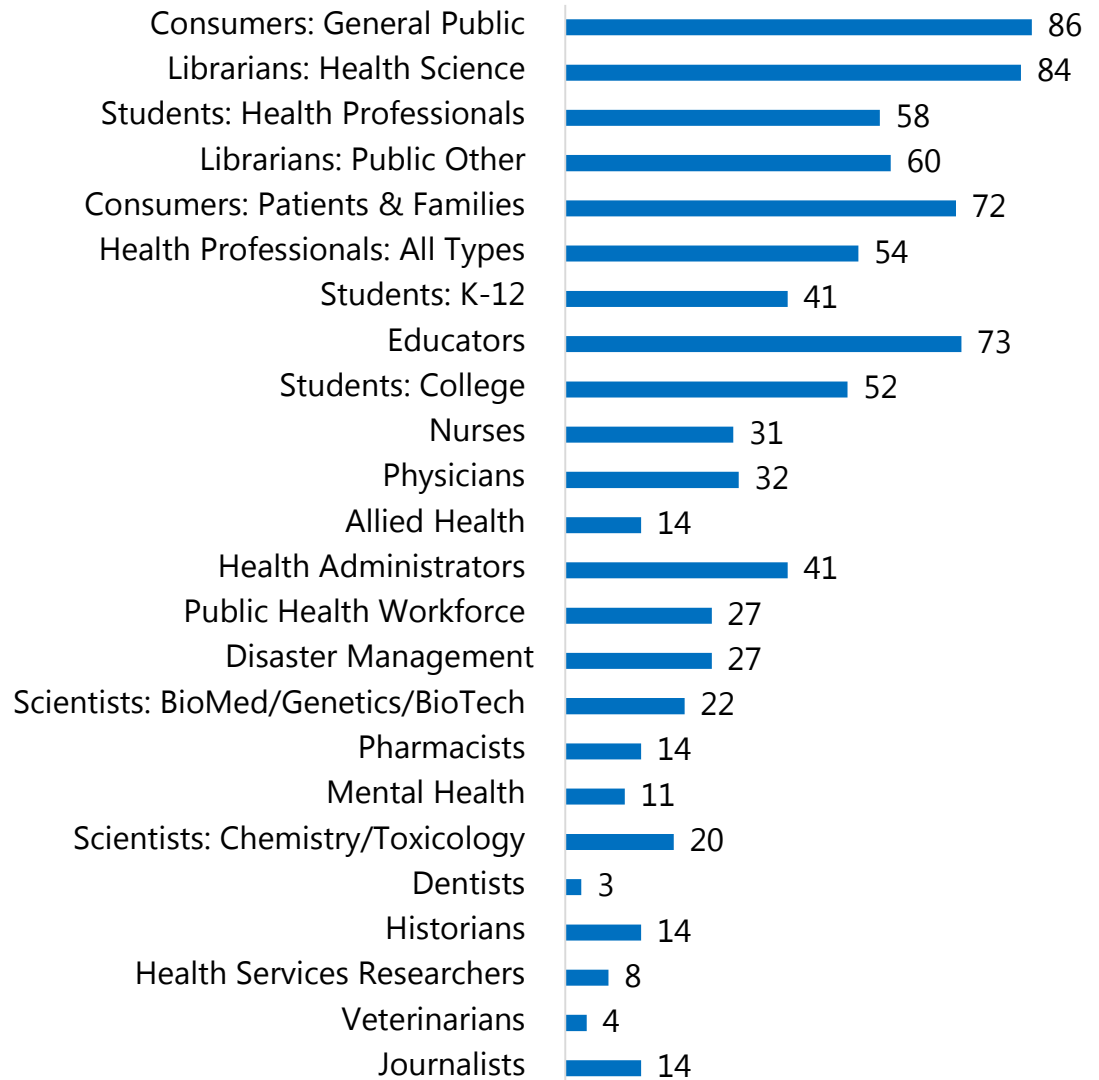


Measure Source: OPD (Updated 1/22/2017)
(subawards may focus on more than one group)

Goal 1

Indicator 6: Counts/descriptions of subaward activities: Beneficiaries

These are the beneficiary groups the subawards are designed to reach. Subaward projects may focus on more than one group.



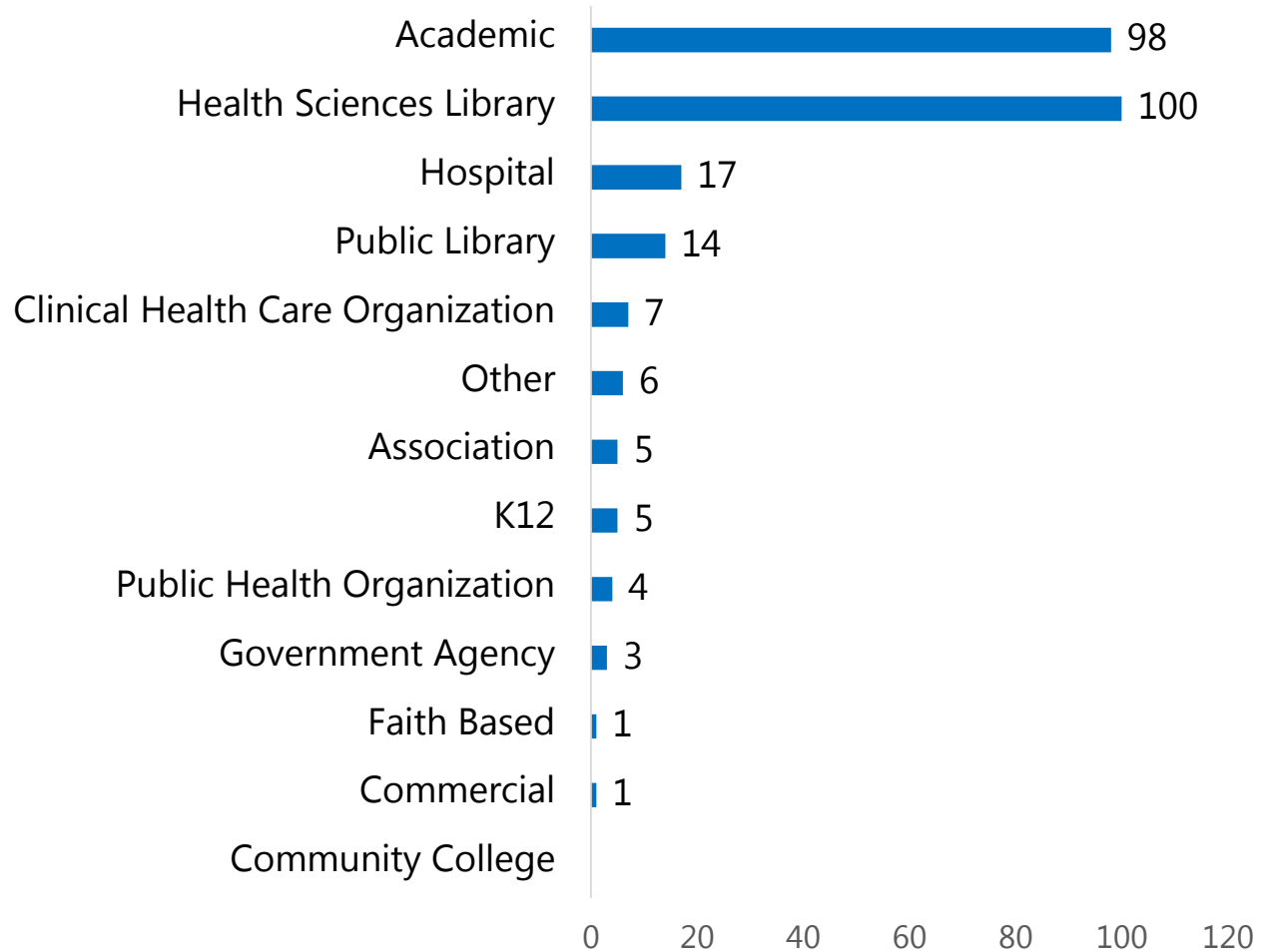
Measure Source: OPD (Updated 1/22/2017)
(subawards may focus on more than one group)

Goal 1

Indicator 6: Counts/descriptions of subaward activities: Type of awardees.

Counts/descriptions of Awardees came from these types of institutions. Awardees may fall into multiple categories, i.e., health sciences libraries are also considered academic institutions.

Type of Awardees



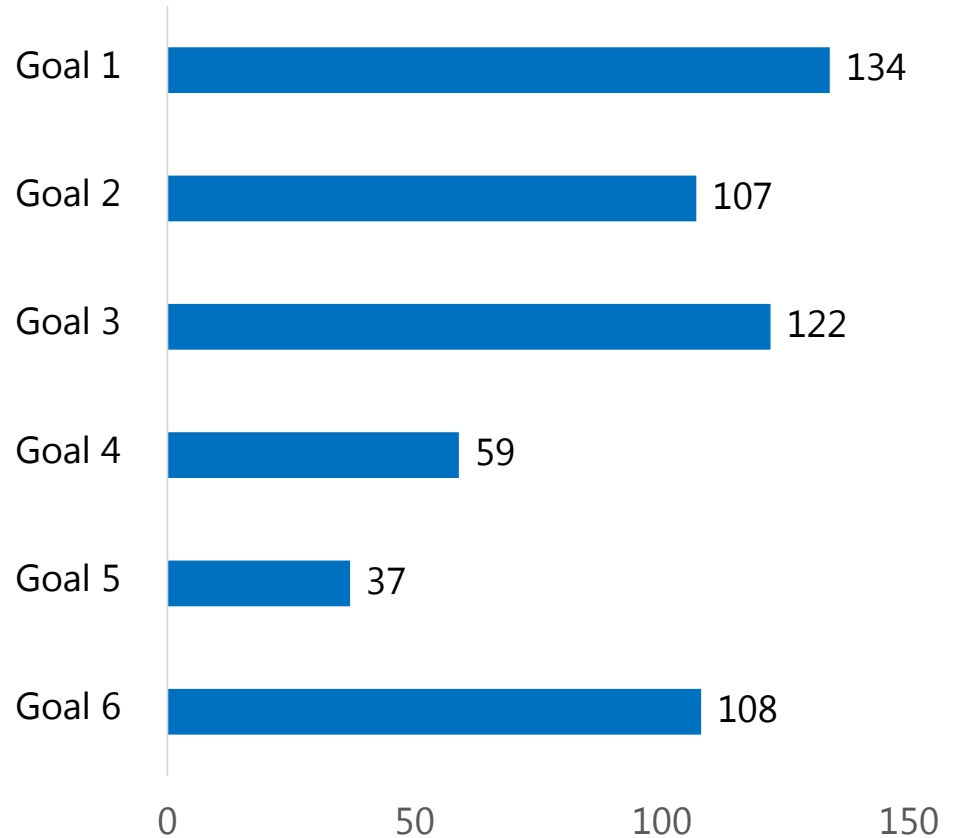
Measure Source: OPD (Updated 1/22/2017)

Goal 1

Indicator 6: Counts/descriptions of subaward activities: Goals

Subawards link to NLM Strategic Goals:

1. Increase awareness and use of NLM services
2. Serve as a primary source for reliable and authenticated content
3. Further training in the use of medical information resources
4. Strengthen communication and connectivity for health (i.e., infrastructure)
5. Conduct and support basic and applied research to identify the need for, access to, evaluation of, and use of health information resources and systems
6. Reduce and eliminate health disparities among minority and other underserved populations



Measure Source: OPD (updated 1/22/2017)

Goal 1

Indicator 7: Number and type of awards that promote and improve the use of technology for health information access.

Five subawardees have reported on their technology purchases to date.

Reported use of technology purchased through NNLM funds:

- Upgraded equipment facilitated computer-based instruction
- Mobile technology permitted off-site Information services
- Mobile devices provided access to health information at the point of need
- Tutorials, learning modules, mobile applications or data mashups were developed to support asynchronous training.
- Web-based document delivery service was implemented or improved
- Enhanced medical education
- Upgraded equipment to develop interactive elements supporting NLM traveling exhibits (1)

Measure Source: Technology Improvement Form (updated 2/27/17)

Goal 1

Indicator 11: Number of reports of user assistance as recorded by NDCO.

The NDCO provide the following metrics about DOCLINE use between May 2016 – February 2017.

Count	Assistance provided
972	Phone calls and Emails assists for DOCLINE
53	Phone calls and Emails assists for Loansome DOC
41	Phone Calls and Emails for Loansome DOC
36	Individual trainings
32	Participants in training session at FEDLINK Expo at the Library of Congress
2	Exhibits (Tri-Chapter and the Midwest/Mid-continental Chapter Meetings)

Measure Source: DOCLINE Office, 3/1/2017)

Goal 2

Build capacity in emerging trends, for example, data management practices, services and tools to support FAIR data guiding principles

Indicators:

1. Number and type of collaborations involving data management or other emerging topics.
2. Number and types of training opportunities and resources offered in research data management or other emerging topics.
3. Number of librarians and other information professionals attending NNLM-sponsored educational opportunities or accessing NNLM information related to research data management or other emerging topics.
4. Number of funded projects completed involving research data management or other emerging topics areas.
5. Number of training participants reporting increased understanding and improved skill in research data management policies and practices or other emerging topics.
6. Number of training participants who report applying skills related to research data management or other emerging topics at their organizations.

Note: No existing data to report on Goal 2. See Part 2 for proposed methods for Goal 2 indicators

Goal 3

Enhance health information access by further developing health sciences librarians' professional skills and knowledge

Indicators:

1. Number of health science librarians who receive training from NNLM.
2. Number and type of NNLM activities supporting health sciences librarians.
3. Number of training participants reporting improved knowledge and skill as a result of NNLM training.
4. Number of training participants who report applying skills and knowledge gained through NNLM training.

Goal 3

Indicator 1: Number of health science librarians who receive training from NNLM

Indicator 2: Number and type of NNLM activities supporting health sciences librarians

- According to Participant Information documents, **3022** of attendees at training events self-identified as health science librarians.
- **Four** of 11 recipients of professional development awards were health sciences librarians
- **Ten** exhibits were held at state library association meetings or MLA chapter meetings.

Measure Source: PI , Professional Development Reports, Exhibit Reports (Updated 1/22/2017)

Part 2 – Proposal for assessing indicators not captured with existing NNLM data sources

Some indicators from the NNLM Goals and Indicators cannot be assessed through existing indicators. Part 2 proposes methods for measuring these indicators.

On the following pages, a table shows the currently unmeasured indicators and proposed methods are present.

The NEO proposes that a working group of committee members reviews these proposed measures for validity and feasibility.

Goal 1

Enhance health information access by further developing health sciences librarians' professional skills and knowledge

	Indicator	Proposed Assessment Method
5	Number and type of Network members.	Compile information from the Membership directory.
8	Number and type of collaborations (any type that include an RML	A document review of activity reports and self-report from RML
9	Number of funded projects that involve collaborations.	Proposed method: document review of OPD.
10	Number and identification of channels of communication that RMLs and Offices use to promote NLM and NNLM resources.	One time inventory from RMLs and Offices of their regular communication channels (e.g. blogs, newsletters), updated annually
13	Number of training participants who report increased use of NLM resources.	Follow-up questionnaire to a sample of training participants
14	Number of training participants who report teaching or telling others about NLM resources.	Follow-up questionnaire to a sample of training participants
15	Collaborating organizations and network members report that they recognize the contribution of NNLM	Follow-up questionnaire to subaward recipients

Goal 2

Build capacity in emerging trends, for example, data management practices, services and tools to support FAIR data guiding principle

	Indicator	Proposed Assessment Method
1	Number and type of collaborations involving data management or other emerging topics.	Document review of subaward descriptions and self-report from RMLs
2	Number and types of training opportunities and resources offered in research data management or other emerging topics.	Document review of Activity Reports
3	Number of librarians and other information professionals attending NNLM-sponsored educational opportunities or accessing NNLM information related to research data management or other emerging topics.	Follow-up questionnaire to participants at these events
4	Number of funded projects completed involving research data management or other emerging topics areas.	Documents review of subaward descriptions
5	Number of training participants reporting increased understanding and improved skill in research data management policies and practices or other emerging topics.	Training session evaluation form. (Note: these forms will have to be edited to collect demographic information of participants or to identify a class that is linked to an emerging topic)

Goal 3

Enhance health information access by further developing health sciences librarians' professional skills and knowledge

	Indicator	Proposed Assessment Method
3	Number of training participants reporting improved knowledge and skill as a result of NNLM training	Follow-up questionnaire to health sciences librarians that take NNLM training
4	Number of training participants who report applying skills and knowledge gained through NNLM training.	Follow-up questionnaire to health sciences librarians that take NNLM training

Appendix 1: Existing Data Sources

Measure	Purpose	Type of Information	Who Completes Measure	Timeframe of collection	Where data is stored
Outreach Project Data Base (OPD)	Records information about sub-awards distributed by RMLs	Recipient information, project descriptions, direct beneficiaries, primary populations served, alignment with NLM goals	RML Staff	Completed by awardees after each funding opportunity	Online form
Training	Completed after each in-person or virtual educational program	Participants learned about new resource or skill; plan to use and share resource	Training participants	After each funded training	Printed and entered by NEO staff or online – Survey Gizmo
Exhibit	Completed following promotional events at conference venues	Exhibit location and information (fees, hours etc.), resources promoted, meaningful interactions	NDCO, ARs	After each funded exhibit	Online –Survey Gizmo
Professional Development	Completed following PD activities to improve skills, increase knowledge or build professional credentials or networks	Self-report about the benefits of PD opportunities	Subaward participants	After each professional development opportunity	Online –Survey Gizmo
Technology Improvement	Completed following the purchase of technology to enhance access to NNLM online resources	Types of technology funded and results (intended audiences,	Subaward participants	After each funded technology award	Online –Survey Gizmo
Activity Report (AR)	Completed after individual activities	Activity information	RML staff and subaward recipients	Completed after individual training, site visits or other activities	
Project Information (PI)	An extension of the AR	Participant information	RML staff and subaward recipients	Completed after individual training, site visits or other activities	
Membership Directory	Includes descriptive information about network members	Directory and description of all NNLM members	New Network members, with RML review	When new members join	NNLM servers