Evaluation Survey

Thank you for your interest in helping NLM re-envision its toxicology and environmental health resources to ensure their relevance today and in the future. As we noted in our invitation to you, we want to work with users of NLM's toxicology and environmental health resources to gain critical insight into optimizing NLM's electronic resources in the areas of toxicology and environmental health by assessing and re-envisioning them to ensure that they continue to meet the changing needs of a diverse set of users. This survey is one step that will help us better understand current and future user information needs.

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Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a current valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to NIH, Project Clearance Branch, 6705 Rockledge Drive, MSC 7974, Bethesda, MD 20892-7974, ATTN: PRA (0925-0648). Do not return the completed form to this address.

We appreciate you taking the time to share your thoughts with us. If you have any questions regarding this survey, please contact **Dan Kovacs** at Decision Partners at **dkovacs@decisionpartners.co** or **Pertti (Bert) Hakkinen** at NLM at **hakkinenp@mail.nlm.nih.gov.**

If you do not finish the survey in one session, your progress will be saved until you return, but you must use the same computer or device.

To start, please tell us a little about yourself ...

1. What is your occupation or job title?

- [ ] Researcher
- [ ] Regulator
- [ ] Industrial Hygienist
- [ ] Toxicologist or Environmental Health Scientist
- [ ] Emergency Responder/Preparer
- [ ] Public Health Agency Employee
- [ ] Medical Professional
- [ ] Occupational Health and Safety Trainer
- [ ] If Other, please specify

[   ]

2. Who are you employed by?

☐ Federal Government

☐ State or Local Government

☐ Academia

☐ Health Care Provider

☐ Industry

☐ Non-Governmental Organization

☐ Other, please specify

[ ]

3. Please select the Country in which you are employed

[ ]

[ ]

4. For those in the US, please select the State in which you are employed

[ ]

Now, please tell us a little about your information needs and the resources that you use ...

5. How important to you are each of the following types of toxicology and environmental health electronic resources? *(For the most important resources describe why they are important to you.)*

	Extremely Important	Very Important	Moderately Important	Slightly Important	Not Important at All
Environmental health, toxicology and chemical databases	○	○	○	○	○

Why is this an important resource to you?

	Extremely Important	Very Important	Moderately Important	Slightly Important	Not Important at All
Online communities related to specific relevant topics	○	○	○	○	○

Why is this an important resource to you?

	Extremely Important	Very Important	Moderately Important	Slightly Important	Not Important at All
Journals and peer-reviewed publications	○	○	○	○	○

Why is this an important resource to you?

	Extremely Important	Very Important	Moderately Important	Slightly Important	Not Important at All
Webinars	○	○	○	○	○

Why is this an important resource to you?

	Extremely Important	Very Important	Moderately Important	Slightly Important	Not Important at All
E-learning resources (tutorials, courses)	○	○	○	○	○

Why is this an important resource to you?

	Extremely Important	Very Important	Moderately Important	Slightly Important	Not Important at All
Phone and tablet apps for accessing information	○	○	○	○	○

Why is this an important resource to you?

	Extremely Important	Very Important	Moderately Important	Slightly Important	Not Important at All
Other, Non-database Websites	○	○	○	○	○

Why is this an important resource to you?

	Extremely Important	Very Important	Moderately Important	Slightly Important	Not Important at All
Other (specify in comment box below)	○	○	○	○	○

Why is this an important resource to you?

6. How often do the following tasks lead you to use electronic resources?
(*For the most frequent or important, describe how they support the task*)

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
Research on health effects of exposure	○	○	○	○	○	○

How do electronic resources support you in this task?

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
Research on substances that impact environment	○	○	○	○	○	○

How do electronic resources support you in this task?

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
Teaching in high school or university	○	○	○	○	○	○

How do electronic resources support you in this task?

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
Training in industry, government or other non-academic setting	○	○	○	○	○	○

How do electronic resources support you in this task?

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
Preparing for or responding to a CBRNE emergency event	○	○	○	○	○	○

How do electronic resources support you in this task?

7. *Continuing previous question ...*
How often do the following tasks lead you to use electronic resources?
(*For the most frequent or important, describe how they support the task*)

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
Providing medical care (other than first-responder)	◯	◯	◯	◯	◯	◯

How do electronic resources support you in this task?

[   ]

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
Developing or monitoring public health policies or initiatives	◯	◯	◯	◯	◯	◯

How do electronic resources support you in this task?

[   ]

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
Developing or monitoring safety and environmental guidelines/standards/regulations	◯	◯	◯	◯	◯	◯

How do electronic resources support you in this task?

[   ]

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
Developing occupational health and safety assessments	◯	◯	◯	◯	◯	◯

How do electronic resources support you in this task?

[   ]

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
Other task (please rate here and specify below)	◯	◯	◯	◯	◯	◯

How do electronic resources support you in this task?

[   ]

8. Are there ways that these resources could better support your tasks? What changes would be needed?

[   ]

Now, please tell us a little about the sources of the information resources that you use ...

9. How frequently do you use electronic resources from the following sources?

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
NLM (e.g., PubMed, PubChem, Hazardous Substances Data Bank, Household Products Database)	○	○	○	○	○	○

Specific resource(s) used from this source (if any)

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
NIEHS	○	○	○	○	○	○

Specific resource(s) used from this source (if any)

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
US EPA	○	○	○	○	○	○

Specific resource(s) used from this source (if any)

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
US FDA	○	○	○	○	○	○

Specific resource(s) used from this source (if any)

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
European Commission (e.g., Joint Research Centre)	○	○	○	○	○	○

Specific resource(s) used from this source (if any)

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
European Chemicals Agency	○	○	○	○	○	○

Specific resource(s) used from this source (if any)

10. *Continuing previous question ...*

How frequently do you use electronic resources from the following sources?

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
European Food Safety Authority	○	○	○	○	○	○

Specific resource(s) used from this source (if any)

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
European Medicines Agency	○	○	○	○	○	○

Specific resource(s) used from this source (if any)

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
OECD's eChemPortal	○	○	○	○	○	○

Specific resource(s) used from this source (if any)

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
Professional Societies	○	○	○	○	○	○

Specific resource(s) used from this source (if any)

	Daily	Weekly	Monthly	Several times a year	A few times a year	Less than once a year or not at all
Other (specify in comment box below)	○	○	○	○	○	○

Specific resource(s) used from this source (if any)

11. Thinking of the resources that you use most frequently, which best describe why you use them more frequently than other resources? (select all that apply)

☐ Search engine takes me there first

☐ Habit/familiarity with resource

☐ Has the information that I'm looking for

☐ Trustworthiness/competence of provider

☐ Comprehensiveness/breadth of resources available

☐ Quality of Information available; Most up-to-date information

☐ Ease of use of resource (organization, navigation, interface, info export/sharing)

☐ Other (specify below)

Please briefly describe in your own words why you go to your primary sources first.

Now, please tell us a little about the availability and quality of implementation of resources now and in the future ...

12. How difficult is it today to find the toxicology and environmental health electronic resources that you need, when you need them? Would you say:

○ Not at all Difficult

○ Slightly Difficult

○ Moderately Difficult

○ Very Difficult

○ Extremely Difficult

○ Other / Can't Rate (describe below)

Why do you say that?

13. What kinds of toxicology and environmental health electronic resources are not currently available, but would be valuable to you in your work if they were developed?

14. What will need to be done to enhance and improve access to electronic resources in the future and why is this important?

15. As you look into the future, how important will each of the following be to you?

	Extremely Important	Very Important	Moderately Important	Slightly Important	Not Important at All
Ability to easily integrate information from multiple sources	◯	◯	◯	◯	◯
Ability to use voice activated search	◯	◯	◯	◯	◯
Receiving alerts when new knowledge, models, techniques or other information relevant to my work is available	◯	◯	◯	◯	◯
Ability to do more of my work on a smart phone	◯	◯	◯	◯	◯
Having a virtual community that I can easily share information with or ask questions of	◯	◯	◯	◯	◯
Being able to customize resources to my specific needs as a user	◯	◯	◯	◯	◯
Other (specify below)	◯	◯	◯	◯	◯

Other (please specify)

16. Do you have any other thoughts or comments that will help us as we move forward with other activities to support re-envisioning NLM's electronic resources to ensure that they continue to meet the changing needs of a diverse set of users?

17. Please provide your name so that we can follow-up with you if needed to better understand your responses as we move forward with other activities to support re-envisioning NLM's electronic resources. Your name will not be associated with any of your survey responses beyond the NLM and Decision Partners Team.

If you have any questions regarding this survey, please contact **Dan Kovacs** at Decision Partners at **dkovacs@decisionpartners.co** or **Pertti (Bert) Hakkinen** at NLM at **hakkinenp@mail.nlm.nih.gov**.

Thank you for taking the time to help us re-envision NLM's electronic resources. Your input has been very valuable.