

OHAT Update

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Functions

- Literature-based evaluations
 - Non-cancer (OHAT) and cancer (Office of Report on Carcinogens)
 - Formats: NTP conclusions, state of science reports, expert panel meetings, information forums
- Method Development
 - Methods for conducting literature-based evaluations
 - Data display and warehousing
- Research
 - Address research needs identified in literature-based evaluations
 - Exposure assessment
 - Analyses related to Tox21 data



OHAT Evaluation Process

Plan for Evaluation

Conduct Evaluation

Peer Review and Publish OHAT Monograph

Invite topics for evaluation

- Scoping (Step 1)
- **Public comment Interagency input**

Prepare draft concept

- Problem formulation (Step 1)
 - **External scientific input Public comment Interagency input**

Review draft concepts by NTP Board of Scientific Counselors* (public meeting: public comment)



Develop protocol and start evaluation

Prepare draft OHAT Monograph (Steps 2-7)

- Search for and select studies (Step 2)
- Extract data (Step 3)
- Assess individual study quality (Step 4)
- Rate confidence in body of evidence (Step 5)

Input on steps 2-5 (as needed)

- External scientific
- Public
- Interagency

PFOS/PFOA and immunotoxicity systematic review

- of evidence for health effects (Step 6)**
- Integrate evidence to develop hazard identification conclusions (Step 7)**



Interagency review

Complete draft OHAT Monograph

Release draft OHAT Monograph



Public comment

Peer review draft OHAT Monograph by

Peer-review panel*

(public meeting: public comment)



(letter review)

Present information regarding peer review to NTP Board of Scientific Counselors*



NTP Director

Publish final OHAT Monograph

Steps 1-7 refer to the OHAT Approach for Systematic Review and Evidence Integration for Literature-Based Environmental Health Science Assessments; for details see http://ehp.niehs.nih.gov/1307972/

*federally chartered advisory group; ** not included in state of science evaluation



- Handbook for Conducting a Literature-Based Health Assessment Using NTP Office of Health Assessment and Translation (OHAT) Approach for Systematic Review and Evidence Integration
 - Peer-review complete, expect to post January 2015
- Identifying research needs for assessing safe use of high intakes of folic acid
 - Expert panel workshop: May 11-12, 2015, Natcher Conference Center, National Institutes of Health, Bethesda, MD
 - Cancer, cognition with B₁₂ deficiency, hypersensitivity, endocrine/metabolic
 - 18 panelists and a chair; panelists divided into subpanels



- Pregnancy outcomes associated with traffic-related air pollution (concept presented June 2014)
 - (1) gestational hypertension, and (2) neurological effects
 - Expect reports Q3 2015
- Adverse health effects associated with occupational exposure to cancer chemotherapy agents (concept presented June 2014)
 - Expect report Q3 2015



- BPA structural analogues and functional alternatives
 - Systematic review + similarity profiling (structural & across Tox21 and ToxCast platforms)
- Transgenerational inheritance of health effects (request for information 2013)
 - In problem formulation phase
- Co-organizing meeting with GRADE working group and Navigation Guide to refine methods for systematic review
 - Assess new bias tools for observational human studies + initial confidence in the evidence for human studies
- Updating OHAT Level of Concern (LoC) Categories
 - Research study to gather technical and public input to help inform how LoC conclusions are communicated