

1. DATE ISSUED MM/DD/YYYY 06/14/2018 | 2. CFDA NO. 93.070 | 3. ASSISTANCE TYPE Cooperative Agreement

DEPARTMENT OF HEALTH AND HUMAN SERVICES

Centers for Disease Control and Prevention

CDC Office of Financial Resources

2920 Brandywine Road  
Atlanta, GA 30341

NOTICE OF AWARD

AUTHORIZATION (Legislation/Regulations)  
Section 317(k)(3) of the Public Health Service Act, [42 U.S.C. 247b (k)(3)]

1a. SUPERSEDES AWARD NOTICE dated  
except that any additions or restrictions previously imposed remain  
in effect unless specifically rescinded

4. GRANT NO. 5 NUE1EH001356-02-00 Formerly | 5. ACTION TYPE Non-Competing Continuation

6. PROJECT PERIOD MM/DD/YYYY From 08/01/2017 Through 07/31/2022

7. BUDGET PERIOD MM/DD/YYYY From 08/01/2018 Through 07/31/2019

8. TITLE OF PROJECT (OR PROGRAM)  
Enhancing Innovation and Capabilities of the Environmental Public Health Tracking Network

9a. GRANTEE NAME AND ADDRESS  
HEALTH AND SENIOR SERVICES, MISSOURI DEPARTMENT OF  
Alternate Name: MISSOURI STATE DEPT/ HEALTH & SENIOR  
SRV  
PO BOX 570  
MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
Jefferson City, MO 65102-0570

9b. GRANTEE PROJECT DIRECTOR  
Mr. Jeff Wenzel  
930 Wildwood Dr  
Jefferson City, MO 65109-5796  
Phone: 573-526-4911

10a. GRANTEE AUTHORIZING OFFICIAL  
Ms. Patricia Bedell  
920 WILDWOOD DR  
Division of Administration  
JEFFERSON CITY, MO 65109-5796  
Phone: 573-751-6014

10b. FEDERAL PROJECT OFFICER  
Abhilash (Alex) Philipose  
4770 Buford Hwy, NE; MS K60  
Atlanta, GA 30341  
Phone: 770-488-3835

ALL AMOUNTS ARE SHOWN IN USD

11. APPROVED BUDGET (Excludes Direct Assistance)	
I Financial Assistance from the Federal Awarding Agency Only	
II Total project costs including grant funds and all other financial participation <input type="checkbox"/>	
a. Salaries and Wages .....	409,848.00
b. Fringe Benefits .....	210,011.00
c. Total Personnel Costs .....	619,859.00
d. Equipment .....	0.00
e. Supplies .....	4,378.00
f. Travel .....	24,254.00
g. Construction .....	0.00
h. Other .....	91,399.00
i. Contractual .....	3,000.00
j. TOTAL DIRECT COSTS →	742,890.00
k. INDIRECT COSTS	132,030.00
l. TOTAL APPROVED BUDGET	874,920.00
m. Federal Share	874,920.00
n. Non-Federal Share	0.00

12. AWARD COMPUTATION	
a. Amount of Federal Financial Assistance (from item 11m)	874,920.00
b. Less Unobligated Balance From Prior Budget Periods	0.00
c. Less Cumulative Prior Award(s) This Budget Period	0.00
d. AMOUNT OF FINANCIAL ASSISTANCE THIS ACTION	874,920.00
13. Total Federal Funds Awarded to Date for Project Period	1,749,840.00

14. RECOMMENDED FUTURE SUPPORT (Subject to the availability of funds and satisfactory progress of the project):			
YEAR	TOTAL DIRECT COSTS	YEAR	TOTAL DIRECT COSTS
a. 3		d. 6	
b. 4		e. 7	
c. 5		f. 8	

15. PROGRAM INCOME SHALL BE USED IN ACCORD WITH ONE OF THE FOLLOWING ALTERNATIVES:

<ul style="list-style-type: none"> <li>a. DEDUCTION</li> <li>b. ADDITIONAL COSTS</li> <li>c. MATCHING</li> <li>d. OTHER RESEARCH (Add / Deduct Option)</li> <li>e. OTHER (See REMARKS)</li> </ul>	<b>b</b>
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16. THIS AWARD IS BASED ON AN APPLICATION SUBMITTED TO, AND AS APPROVED BY, THE FEDERAL AWARING AGENCY ON THE ABOVE TITLED PROJECT AND IS SUBJECT TO THE TERMS AND CONDITIONS INCORPORATED EITHER DIRECTLY OR BY REFERENCE IN THE FOLLOWING:

- a. The grant program legislation
- b. The grant program regulations.
- c. This award notice including terms and conditions, if any, noted below under REMARKS.
- d. Federal administrative requirements, cost principles and audit requirements applicable to this grant.

In the event there are conflicting or otherwise inconsistent policies applicable to the grant, the above order of precedence shall prevail. Acceptance of the grant terms and conditions is acknowledged by the grantee when funds are drawn or otherwise obtained from the grant payment system.

REMARKS (Other Terms and Conditions Attached -  Yes  No)

GRANTS MANAGEMENT OFFICIAL: Ralph U Robinson

17. OBJ CLASS 41.51	18a. VENDOR CODE	18b. EIN	19. DUNS 878092600	20. CONG. DIST. 04	
FY-ACCOUNT NO.	DOCUMENT NO.	CFDA	ADMINISTRATIVE CODE	AMT ACTION FIN ASST	APPROPRIATION
21. a. 8-939ZPRT	b. 17NUE1EH001356	c. 93.070	d. EH	e. \$874,920.00	f. 75-18-0947
22. a.	b.	c.	d.	e.	f.
23. a.	b.	c.	d.	e.	f.

NOTICE OF AWARD (Continuation Sheet)

PAGE 2 of 3	DATE ISSUED 06/14/2018
GRANT NO. 5 NUE1EH001356-02-00	

**Direct Assistance**

BUDGET CATEGORIES	PREVIOUS AMOUNT (A)	AMOUNT THIS ACTION (B)	TOTAL (A + B)
Personnel	\$0.00	\$0.00	\$0.00
Fringe Benefits	\$0.00	\$0.00	\$0.00
Travel	\$0.00	\$0.00	\$0.00
Equipment	\$0.00	\$0.00	\$0.00
Supplies	\$0.00	\$0.00	\$0.00
Contractual	\$0.00	\$0.00	\$0.00
Construction	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
<b>Total</b>	\$0.00	\$0.00	\$0.00

NOTICE OF AWARD (Continuation Sheet)

PAGE 3 of 3	DATE ISSUED 06/14/2018
GRANT NO. 5 NUE1EH001356-02-00	

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Federal Financial Report Cycle			
Reporting Period Start Date	Reporting Period End Date	Reporting Type	Reporting Period Due Date
08/01/2017	07/31/2018	Annual	10/29/2018
08/01/2018	07/31/2019	Annual	10/29/2019
08/01/2019	07/31/2020	Annual	10/29/2020
08/01/2020	07/31/2021	Annual	10/29/2021
08/01/2021	07/31/2022	Annual	10/29/2022

# AWARD ATTACHMENTS

MISSOURI STATE DEPT/ HEALTH & SENIOR SRV

5 NUE1EH001356-02-00

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1. Terms and Conditions
2. Technical Review

## AWARD INFORMATION

**Incorporation:** In addition to the federal laws, regulations, policies, and CDC General Terms and Conditions for Non-research awards at <https://www.cdc.gov/grants/federalregulationspolicies/index.html>, the Centers for Disease Control and Prevention (CDC) hereby incorporates Notice of Funding Opportunity (NOFO) number EH17-1702, entitled “Enhancing Innovation and Capabilities of the Environmental Public Health Tracking Network”, and application dated April 12, 2018, as may be amended, which are hereby made a part of this Non-research award, hereinafter referred to as the Notice of Award (NoA).

**Approved Funding:** Funding in the amount of **\$874,920** is approved for the Year 02 budget period, which is August 1, 2018 through July 31, 2019. All future year funding will be based on satisfactory programmatic progress and the availability of funds.

The federal award amount is subject to adjustment based on total allowable costs incurred and/or the value of any third party in-kind contribution when applicable.

Note: Refer to the Payment Information section for Payment Management System (PMS) subaccount information.

**Financial Assistance Mechanism:** Cooperative Agreement

**Substantial Involvement by CDC:** This is a cooperative agreement and CDC will have substantial programmatic involvement after the award is made. Substantial involvement is in addition to all post-award monitoring, technical assistance, and performance reviews undertaken in the normal course of stewardship of federal funds.

CDC program staff will assist, coordinate, or participate in carrying out effort under the award, and recipients agree to the responsibilities therein, as detailed in the NOFO.

1. Maintain and revise the National Tracking Network Architecture as Tracking/PHIN standards evolve in order to meet the awardee's needs.
2. Manage and maintain the National Tracking Network based on specifications in the Technical Network Implementation Plan (TNIP - <https://www.cdc.gov/nceh/tracking/foa.htm>), with input from awardees and other Tracking partners.
3. Maintain the CDC gateway of the National Tracking Network.
4. Maintain and revise Tracking standards for the portal and NCDMs.
5. Review public health actions and maintain a repository of approved public health actions.
6. Foster collaboration with:
  - CDC's National Center of Environmental Health's Office of the Director, as needed, to maintain and facilitate the creation of any emerging Tracking-related technical and data standards.
  - CDC's Office of Public Health Scientific Services (OPHSS), as needed, to maintain and facilitate the creation of any new Tracking-related technical and data standards.
  - CDC's Office of Public Health Preparedness and Response (OPHPR), as needed, to maintain and facilitate the creation of any emerging Tracking-related technical and data standards.
  - Federal data partners such as the U.S. Environmental Protection Agency (EPA), the U.S. Geological Survey (USGS), National Aeronautics and Space Administration

- (NASA), and National Oceanic and Atmospheric Administration (NOAA) to further the use of environmental data, fill data gaps, and develop methods and tools for use in Tracking.
- Awardees on projects to (a) improve the quality of data provided to CDC for the National Tracking Network Portals, and (b) explore methods and best practices for linking and analyzing health and environmental data.
  - National data stewards and other professional organizations to facilitate data and information sharing and improvements in data quality that will support the awardees' tracking activities.
  - Tribal organizations to develop environmental health capacity and assess tribal environmental health priorities within grantee jurisdictions.
7. Coordinate:
- Technical assistance to awardees in work plan development; design and implementation of program activities, including analysis and presentation of data; and facilitation of regional trainings.
  - Awardee data submissions and develop/maintain tools to assist awardees during the data submission process.
  - With EPA and OPHSS to ensure interoperability between CDC's PHIN and EPA's National Environmental Information Exchange Network.
  - Identification, development, and/or maintenance of appropriate methods and tools for use in the National Tracking Network and facilitate license agreements, where appropriate, to provide broad access among tracking partners to these tools.
  - Activities at the national level among Centers, Institutes and Offices at CDC and the Agency for Toxic Substances and Disease Registry as well as other federal partners, national data organizations, and national partners.
8. Facilitate the development of Tracking-specific communication and outreach strategy guidelines with input from awardees and other Tracking partners, and the criteria to evaluate the effectiveness of the activities in the guidelines.
9. Provide specific NCDMs from federal partners for use on state and local network portals as appropriate and in compliance with CDC data sharing agreements.
10. Facilitate:
- A monthly forum for principal investigators via teleconference to promote the discussion of key Tracking issues and exchange of ideas.
  - A National Tracking Program meeting approximately once every other year, and up to two grantee meetings annually.
11. Implement and participate in projects and workgroups as needed to address specific program issues. Work with awardees on workgroups as needed to solicit input from state/local partners, academic partners, and other stakeholders on issues relevant to the implementation of the state and national Tracking networks.
12. Conduct program evaluation activities including but not limited to annual or semi-annual portal evaluations for all recipients. Program evaluation activities will also include: 1) comprehensive program assessment of overall progress made toward network development at the state and national levels; 2) training activities; 3) data utilization; 4) partnership, outreach and communication activities.
13. Securely maintain, manage, and disseminate data provided by grantees and other partners as described in the Tracking Programs Data Re-Release Plan <https://www.cdc.gov/nceh/track/ing/foa.htm>

**Objective/Technical Review Statement Response Requirement:** The review comments on the strengths and weaknesses of the proposal are provided as part of this award. A response to the weaknesses in these statements must be submitted to and approved, in writing, by the Grants Management Specialist/Grants Management Officer (GMS/GMO) noted in the CDC Staff Contacts section of this NoA, no later than 30 days from the budget period start date. Failure to submit the required information by the due date, **September 1, 2018**, will cause delay in programmatic progress and will adversely affect the future funding of this project.

**Budget Revision Requirement:** By **September 1, 2018** the recipient must submit a revised budget with a narrative justification that includes the following;

- The name of the Research Analyst III if hired, If not, please reduce the proposed 12 months by at least two-months to allow the hiring process to take place.
- Travel Cost in the amount of \$5,195 are dis-allowed for the Bureau Chief, please revise the budget to reflect travelers directly charged to this cooperative agreement.
- Redirect any additional funding to support other goals and objectives in support of program activities.

Failure to submit the required information in a timely manner may adversely affect the future funding of this project. If the information cannot be provided by the due date, you are required to contact the GMS/GMO identified in the CDC Staff Contacts section of this notice before the due date.

**Program Income:** Any program income generated under this grant or cooperative agreement will be used in accordance with the Addition alternative.

Addition alternative: Under this alternative, program income is added to the funds committed to the project/program and is used to further eligible project/program objectives.

Note: The disposition of program income must have written prior approval from the GMO.

#### **FUNDING RESTRICTIONS AND LIMITATIONS**

##### **Indirect Costs:**

Indirect costs are approved based on the negotiated indirect cost rate agreement dated March 9, 2018, which calculates indirect costs as follows, a Final is approved at a rate of 21.30% of the base, which includes, direct salaries and wages including all fringe benefits. The effective dates of this indirect cost rate are from July 1, 2018 to June 30, 2019.

#### **REPORTING REQUIREMENTS**

Performance information collection initiated under this grant/cooperative agreement has been approved by the Office of Management and Budget under **OMB Number 0920-1132**, **“Performance Progress and Monitoring Report”**, **Expiration Date 8/31/2019**.

**Required Disclosures for Federal Awardee Performance and Integrity Information System (FAPIIS):** Consistent with 45 CFR 75.113, applicants and recipients must disclose in a timely manner, in writing to the CDC, with a copy to the HHS Office of Inspector General (OIG), all information related to violations of federal criminal law involving fraud, bribery, or gratuity violations potentially affecting the federal award. Subrecipients must disclose, in a timely

manner in writing to the prime recipient (pass through entity) and the HHS OIG, all information related to violations of federal criminal law involving fraud, bribery, or gratuity violations potentially affecting the federal award. Disclosures must be sent in writing to the CDC and to the HHS OIG at the following addresses:

CDC, Office of Grants Services  
Wanda G. Tucker, Grants Management Officer/Specialist  
Centers for Disease Control and Prevention  
OD, Environmental, Occupational Health and Injury Prevention Services Branch  
2960 Brandywine Rd  
Atlanta, GA 30341  
Fax: 770-488-2640 (Include "Mandatory Grant Disclosures" in subject line)  
Email: WTucker@cdc.gov (Include "Mandatory Grant Disclosures" in subject line)

AND

U.S. Department of Health and Human Services  
Office of the Inspector General  
ATTN: Mandatory Grant Disclosures, Intake Coordinator  
330 Independence Avenue, SW  
Cohen Building, Room 5527  
Washington, DC 20201

Fax: (202)-205-0604 (Include "Mandatory Grant Disclosures" in subject line) or  
Email: [MandatoryGranteeDisclosures@oig.hhs.gov](mailto:MandatoryGranteeDisclosures@oig.hhs.gov)

Recipients must include this mandatory disclosure requirement in all subawards and contracts under this award.

Failure to make required disclosures can result in any of the remedies described in 45 CFR 75.371. Remedies for noncompliance, including suspension or debarment (See 2 CFR parts 180 and 376, and 31 U.S.C. 3321).

CDC is required to report any termination of a federal award prior to the end of the period of performance due to material failure to comply with the terms and conditions of this award in the OMB-designated integrity and performance system accessible through SAM (currently FAPIIS). (45 CFR 75.372(b)) CDC must also notify the recipient if the federal award is terminated for failure to comply with the federal statutes, regulations, or terms and conditions of the federal award. (45 CFR 75.373(b))

#### **PAYMENT INFORMATION**

*The HHS Office of the Inspector General (OIG) maintains a toll-free number (1-800-HHS-TIPS [1-800-447-8477]) for receiving information concerning fraud, waste, or abuse under grants and cooperative agreements. Information also may be submitted by e-mail to [hhstips@oig.hhs.gov](mailto:hhstips@oig.hhs.gov) or by mail to Office of the Inspector General, Department of Health and Human Services, Attn: HOTLINE, 330 Independence Ave., SW, Washington DC 20201. Such reports are treated as sensitive material and submitters may decline to give their names if they choose to remain anonymous.*

**Payment Management System Subaccount:** Funds awarded in support of approved activities have been obligated in a newly established subaccount in the PMS, herein identified as the "P

Account". Funds must be used in support of approved activities in the NOFO and the approved application. All award funds must be tracked and reported separately.

The grant document number identified on the bottom of Page 1 of the Notice of Award must be known in order to draw down funds.

### **CDC Staff Contacts**

**Grants Management Specialist:** The GMS is the federal staff member responsible for the day-to-day management of grants and cooperative agreements. The GMS is the primary contact of recipients for business and administrative matters pertinent to grant awards.

**GMS Contact:**

Wanda Tucker, Grants Management Specialist  
Centers for Disease Control  
CDC/OGS/OFR  
2960 Brandywine Road, MS E-01  
Atlanta, GA 30341  
Telephone: 770-488-5056  
Fax: 770-488-2640  
Email: kna9@cdc.gov

**Program/Project Officer:** The PO is the federal official responsible for monitoring the programmatic, scientific, and/or technical aspects of grants and cooperative agreements, as well as contributing to the effort of the award under cooperative agreements.

**Programmatic Contact:**

Abhilash (Alex) Philipose, Project Officer  
Centers for Disease Control and Prevention  
CDC/ONDIEH/NCEH/DEHHE/EHTB  
CHAM Bldg. 106 Cube 06114.8  
Atlanta, Georgia 30341  
Telephone: 770-488-3835  
Fax: 404-471/2538  
Email: xkh6@cdc.gov

**Grants Management Officer:** The GMO is the federal official responsible for the business and other non-programmatic aspects of grant awards. The GMO is the only official authorized to obligate federal funds and is responsible for signing the NoA, including revisions to the NoA that change the terms and conditions. The GMO serves as the counterpart to the business officer of the recipient organization.

**GMO Contact:**

Tiffany Mannings, Grants Management Officer  
Centers for Disease Control  
CDC/OGS/OFR  
2960 Brandywine Road, MS E-01  
Atlanta, GA 30341  
Telephone: 770-488-2515  
Fax: 770-488-2640  
Email: yuo7@cdc.gov

**National Center for Environmental Health  
Division of Environmental Health Science and Practice, Environmental Public Health Tracking Section**

**Technical Review**

Awardee's Name: Missouri Department of Health and Senior Services

Grantee #: NUE1EH001356

Budget Year: August 01, 2017 – July 31, 2018

NOFO #: CDC-RFA-EH17-1702 Title: Enhancing Innovation and Capabilities of the Environmental Public Health Tracking Network

Requested Amount: \$874,920 Recommended Award Amount: \$874,920

Actual Unobligated Funds: \$ \_\_\_\_\_ Estimated Unobligated Funds: \$ \_\_\_\_\_

**1. Response to Technical Review (check one):**

The awardee must submit a response to the weakness(es) and recommendations identified in the technical review within 30 days from receipt date of the notice of award. **(Note: The awardee's response should be reflective only of the weaknesses identified therefore, resubmission of the entire application is not required.)**

No response to Technical Review is required.

**2. Budget and Work-plan (check one):**

Revised Budget and Work-plan are needed due to a reduction in proposed budget, which affects the proposed activities/work-plan. **(Attach budget mark-up and justification to be used by GMS to request revised budget and work-plan.)**

Revised budget and work-plan are required due to – (provide reason(s)):

\_\_\_\_\_  
\_\_\_\_\_

Revised budget and work-plan are **NOT** required.

**3. Performance (check one):**

The project officer certifies performance is satisfactory to date and continued funding is recommended.

The project officer certifies performance is not fully satisfactory to date and weaknesses and recommendations should be addressed, continued funding should be restricted until attached recommendations are met.

The project officer has determined performance to date has been less than satisfactory and continued funding is denied. The project officer's determination is based on below factual data as published in the announcement.

Project Officer's Name:

\_\_\_\_\_ Alex Philipose \_\_\_\_\_

(Print Name)

Project Officer's Signature (mandatory): *Alex Philipose* Date: 5/14/2018

Awardee's Name: Missouri Department of Health and Senior Services

Award #: NUE1EH001356

Budget Year: August 01, 2017 – July 31, 2018

**A thorough review of the interim progress report has been performed. The review considered the evaluation criteria published in the funding opportunity announcement. Based on the review, the followings were identified:**

**A. Progress report:**

**Summary of Major Strengths:**

- Missouri does an exceptional job of exhibiting at events with 24 exhibits conducted during the reporting period.
- Great job engaging partners including 7 internal, and 115 external partners.
- Proposed activities for year two are reasonable and within scope.
- Plan to enhance capabilities of the portal
- Improve electronic data access to increase program's and partner's ability to view data trends and measure impacts
- MO has a system (MOPHIMS) that allows them to more easily investigate and identify local EH concerns.
- MO maintains, disseminates, and shares all NCDM data and provides community profile reports on their public portal
- MO is using their data to inform and evaluate outreach and remediation activities related to radon and lead

**Summary of Major Weaknesses:**

- Communications activity C2.C requires the recipient to establish and maintain a relationship with at least one university/college program. Currently, I do not see such a partnership maintained within the reporting period.
- Provide more details about how program plans to enhance capabilities of the portal, improve electronic data access to increase program's and partner's ability to view data trends and measure impacts.
- It's unclear how MO is using tracking data in regards to SC2.B. A number of analyses are mentioned which seem to align with SC2.A. Also MO mentions MOPHIMS and how it allows them to more easily investigate and identify local EH concerns but there's not description of any activities using MOPHIMS to do this.

**Other Relevant Comments:**

- Partner with a college or university. Activities can include (but are not limited to) guest lecturing, mentoring students, collaborating on GIS, data analysis, or another project.
- If possible, in future project narratives it would be helpful to the reviewers if content was more segmented or perhaps contained within a grid for ease-of-use. It is also helpful to include the numbered core activities to easily identify completed tasks.
- Provide more details on individual activities in work plan
- Please describe activities for SC2.B and describe how you're using MOPHIMS.
- While MO has had successful data call this spring, improvements could be made in the MO process to ensure data are successfully submitted on time during data calls. Also the hospital and ED data are lagging behind a bit.

**B. New Budget Period Proposal Objectives:**

**Summary of the Project:**

The project consists of maintenance and update of existing EPHT data, and addition of new data sets which are of interest to the recipient's program as additional years of data are collected and released by the data steward. Major activities within the project target the content areas of Science and Content, Technology and Informatics, Communications, and Program Services strategies and outcomes.

**Summary of Major Strengths:**

**Summary of Major Weaknesses:**

**Recommendations:**

The recipient's proposed work plan for year 2 (August 1, 2018- July 31, 2019) are consistent with approved activities under the notice of award as well as the NOFO.

**Other Relevant Comments:**