

1. DATE ISSUED MM/DD/YYYY | 2. CFDA NO. | 3. ASSISTANCE TYPE
 12/21/2016 | 93.073 | 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)
 301(A)311,317(C)PHSACTi42USC241,243,247B

1a. SUPERSEDES AWARD NOTICE dated 09/30/2016
 except that any additions or restrictions previously imposed remain
 in effect unless specifically rescinded

4. GRANT NO. | 5. ACTION TYPE
 6 NU50DD000001-01-04 | Post Award
 Formerly | Amendment

6. PROJECT PERIOD MM/DD/YYYY | MM/DD/YYYY
 From 08/01/2016 | Through 07/31/2021

7. BUDGET PERIOD MM/DD/YYYY | MM/DD/YYYY
 From 08/01/2016 | Through 07/31/2017

8. TITLE OF PROJECT (OR PROGRAM)
 National Center on Birth Defects and Developmental Disabilities (NCBDDD)

9a. GRANTEE NAME AND ADDRESS
 State of Missouri
 920 Wildwood Dr
 Jefferson City, MO 65109-5796

9b. GRANTEE PROJECT DIRECTOR
 Loise Wambugh
 920 Wildwood Drive
 Jefferson City, MO 65102-0570
 Phone: 573-751-6343

10a. GRANTEE AUTHORIZING OFFICIAL
 Mr. Bret Fischer
 920 WILDWOOD DR
 JEFFERSON CITY, MO 65109-5796
 Phone: (573) 751-6014

10b. FEDERAL PROJECT OFFICER
 William Paradies
 Centers for Disease Control and Prevention
 CCHP/NCBDDD/DBDDD/DBD
 Atlanta, GA 30333
 Phone: 404-498-3919

ALL AMOUNTS ARE SHOWN IN USD

11. APPROVED BUDGET (Excludes Direct Assistance)	
I Financial Assistance from the Federal Awarding Agency Only	I
II Total project costs including grant funds and all other financial participation	
a. Salaries and Wages	129,378.00
b. Fringe Benefits	64,451.00
c. Total Personnel Costs	193,829.00
d. Equipment	0.00
e. Supplies	29,616.00
f. Travel	102,701.00
g. Construction	0.00
h. Other	38,110.00
i. Contractual	190,000.00
j. TOTAL DIRECT COSTS →	554,256.00
k. INDIRECT COSTS	45,744.00
l. TOTAL APPROVED BUDGET	600,000.00
m. Federal Share	600,000.00
n. Non-Federal Share	0.00

12. AWARD COMPUTATION	
a. Amount of Federal Financial Assistance (from item 11m)	600,000.00
b. Less Unobligated Balance From Prior Budget Periods	0.00
c. Less Cumulative Prior Award(s) This Budget Period	400,000.00
d. AMOUNT OF FINANCIAL ASSISTANCE THIS ACTION	200,000.00
13. Total Federal Funds Awarded to Date for Project Period	600,000.00

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. 2		d. 5	
b. 3		e. 6	
c. 4		f. 7	

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

a. DEDUCTION b. ADDITIONAL COSTS c. MATCHING d. OTHER RESEARCH (Add / Deduct Option) e. OTHER (See REMARKS)	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: **Merlin Williams**

17. OBJ CLASS	41.51	18a. VENDOR CODE		18b. EIN		19. DUNS	878092600	20. CONG. DIST.	03
FY-ACCOUNT NO.	DOCUMENT NO.	CFDA	ADMINISTRATIVE CODE	AMT ACTION FIN ASST	APPROPRIATION				
21. a. 6-939061A	b. 000001DD16	c. 93.073	d. DD	e. \$0.00	f. 75-16-0956				
22. a. 6-93906FV	b. 000001DD16	c. 93.073	d. DD	e. \$0.00	f. 75-1519-0943				
23. a. 7-93907P2	b. 000001DD16	c. 93.073	d. DD	e. \$200,000.00	f. 75-1617-0943				

NOTICE OF AWARD (Continuation Sheet)

PAGE 2 of 2	DATE ISSUED 12/21/2016
GRANT NO. 6 NU50DD000001-01-04	

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
Total	\$0.00	\$0.00	\$0.00

AWARD ATTACHMENTS

State of Missouri

6 NU50DD000001-01-04

1. Supplement Terms and Conditions
2. Supplement Technical Review

FUNDING OPPORTUNITY ANNOUNCEMENT (FOA) NUMBER: DD16-1605 (Supplement)

GRANT#: 6 NU50DD000001-01

Revision: 04

ADDITIONAL TERMS AND CONDITIONS OF THIS AWARD

SUPPLEMENT: The purpose of this revised Notice of Award (NOA) is to authorize supplemental funds in the amount of **\$200,000** for a 7-month period **12/30/2016 – 07/31/2017**. This action is taken in accordance with the grantee's request dated November 14, 2016.

The budget is approved as follows:

Budget Category	Current Award	Supplement	Revised Award
Salaries and Wages	\$125,418	\$3,960	\$129,378
Fringe Benefits	\$62,709	\$1,742	\$64,451
Consultants	\$0	\$0	\$0
Equipment	\$0	\$0	\$0
Supplies	\$27,251	\$2,365	\$29,616
Travel	\$87,489	\$15,212	\$102,701
Other	\$7,735	\$30,375	\$38,110
Contractual	\$45,000	\$145,000	\$190,000
Total Direct Costs	\$355,602	\$198,654	\$554,256
Indirect costs	\$44,398	\$1,346	\$45,744
Total Award	\$400,000	\$200,000	\$600,000

These funds are approved for the current budget period with no commitment for continued support in future budget periods.

PROGRAMMATIC REPORTING REQUIREMENT INFORMATION: See Amended Funding Opportunity Announcement (FOA), posted on Grants.Gov, dated December 7, 2016.

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 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, **January 30, 2017**, will cause delay in programmatic progress and will adversely affect the future funding of this project.

BUDGET REVISION REQUIREMENT: By **January 30, 2017** the grantee must submit a revised budget with a narrative justification and revised work plan to the GMS via email:

Salaries and Wages

Principal Investigator/Project Director (PI/PD) - provide the following information for the PI or PD: 1) name of staff member occupying the position, if available; 2) annual salary; 3) percentage of time budgeted for this program; 4) total months of salary budgeted; and 5) total salary requested.

Other

Provide a justification for the use of each item and related to the specific program objectives.

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 **Staff Contacts section of this notice before the due date.**

Please be advised that the grantee must exercise proper stewardship over Federal funds by ensuring that all cost charged to their cooperative agreement are allowable, allocable, necessary, and reasonable.

All other terms and conditions issued with the original Notice of Award remain in effect throughout the budget period unless changed, in writing, by the CDC Grants Management Officer.

PLEASE REFERENCE THE GRANT NUMBER ON ALL CORRESPONDENCE.

Ferrinnia (Toni) Augustus-High, MSA, CGMS

Grants Management Specialist
Office of Grants Services (OGS)
Office of Financial Resources (OFR)
Office of the Chief Operating Officer (OCOO)
Centers for Disease Control and Prevention (CDC)
wef9@cdc.gov email | 770-488-2906 office

Patricia French

Grants Management Officer (GMO)
Office of Grants Services (OGS)
Office of Financial Resources (OFR)
Office of the Chief Operating Officer (OCOO)
Centers for Disease Control and Prevention (CDC)
pff6@cdc.gov | 770-488-2849 office

**TECHNICAL REVIEW/SUMMARY STATEMENT
FOA #CDC-RFA-DD16-1605
Supplemental**

Surveillance, intervention, and referral to services activities for infants with microcephaly or other adverse outcomes linked with the Zika virus

APPLICANT:	Missouri Department of Health and Senior Services
APPLICATION NUMBER:	NU50DD2016000032
APPLICATION DATED:	11/14/2016
RECOMMENDATION: (Approved/Unapproved)	Approved
SUPPLEMENTAL FUNDING REQUESTED:	\$200,000
TECHNICAL REVIEWER: Mary Jenkins	DATE: 11/18/2016

SUMMARY OF PROJECT:

The Missouri Department of Health and Senior Services is requesting \$200,000 to aide in the implementation of an active surveillance system. The applicant currently has a passive birth defects surveillance system that has a two-year lag time for identifying cases. This funding will be used to supplement the active surveillance system implementation and establish a database for rapid reporting.

EVALUATION:

1) APPROACH & WORKPLAN

Strengths:

- Supplemental funds will allow the Missouri Department of Health and Senior Services (MO DHSS) to contract with a clinical consultant to provide technical assistance and training to Bureau of Vital Statistics (BVS) staff on abstracting medical records and birth defect coding and diagnosis information as specified by CDC guidelines. (pg 5)
- Some of the supplementary funds will be used for the MO DHSS IT department to create and maintain a database for the MO Zika Surveillance, Intervention, and Referral to Services (MOZSIRS). These data will be linked with the MO DHSS Section of Disease Prevention (SDP) Zika Pregnancy Registry data and will be shared with the SDP and other stakeholders. A portion of this database will be sent to the CDC every 2 weeks. (pg 5)
- The MO DHSS anticipates consolidating the birth defects population-based surveillance system into an integrated and sustainable system that will allow for electronic data sharing, reporting and referrals among MOZSIRS surveillance staff, all stakeholders, and CDC. (pg 6)
- Through collaborations, the BVS and other state and department programs will evaluate how the MOZSIRS program is working to improve the referral to services for affected infants and their families. (pg 7)
- Supplemental funds will be put towards a biweekly report for the CDC, including requested variables, and a monthly summary report for all stakeholders. These analyses will use a continuously updated database, so progress of affected individuals, both infected pregnant

women and their infants, can be tracked and maintained. These data will be used to influence policy and benefit public health. (pg 7)

- The BVS will collaborate with partners to disseminate the analyzed data, fact sheets, and reports to local public health agencies and the general public. BVS will also present the information at state and national level venues. (pg 7)
- The applicant updated their focus throughout the application to include infants with birth defects that might be associated with Zika virus.
- The applicant included modifications of the MO Fetal Death Certificate in addition to the MO Birth Certificate (pg 8) and fetal death certificate data was added as a primary data source collected by the BVS. (pg 15)

Weaknesses/Recommendation:

- It's not clear if infants who appear to be unaffected and were born to a mother with a positive or inconclusive Zika test will be included in the database and followed.
- It's not clear if staff at all hospitals/clinics or a subset will be trained on abstraction of medical records.
- The application would be improved with more clarity and detail on who will be completing abstractions of medical records and how data will be transferred and entered into the new database (i.e., by whom and in what timeframe).

2) EVALUATION AND PERFORMANCE MEASUREMENT

Strengths:

- An evaluation objective was added to the Activity Evaluation section (pg 10)
 - To ascertain health and developmental outcomes of all Zika related births, whether or not birth defects are detected or identified.
- An Outcome Evaluation objective was updated to include referral to services (pg 10)
 - Increased collaborations to improve rapid reporting, analysis and referral to services for infants with birth defects
- An additional point to be used for process evaluation was added (pg 12)
 - Develop a database for the Zika related pregnancy and birth defect data which will be continued and sustained for the duration of the project and beyond.
- An additional Criteria was added with 2 new points for evaluation (pg 13)
 - Criteria Five: Extent of developmental and health outcome tracking of all infants born to women with a positive or inconclusive maternal Zika infection.
 - Determine the effects the referred services have on the affected infants and their families.
 - Modify the referral system, if necessary, to better benefit affected individuals and their families.
- A Clinical Consultant was added as a FTE 0.5 position. The position is expected to be filled by 1/1/2017 and trained by 1/15/2017. (pg 14)
- A Health Program Representative III was added as a FTE 1.0 position. The position is expected to be filled by 1/1/2017 and trained by 1/15/2017. (pg 14)
- The Research Analyst III and Health Program Representative II positions were modified to work within the updated organizational capacity. (pg 14 and 15)

Weaknesses/Recommendation:

- The Health Program Representative (HPR) II (listed in the original application) has not been hired yet. (pg 15)
- There are a couple of issues within the work plan:
 - The timeframe for development and completion of the MOZSIRS database (2 weeks after receipt of award notice) seems optimistic. (pg 18)
 - Data collection by HPRs is scheduled to begin on 1/1/2017; however, hiring of the project team members (including HPRs) funded by the supplement is not scheduled to be completed until 1/30/2017. (pg 18-19)
- More detail on how quickly data will be collected and entered into the new database and the timeframes for ‘rapid reporting, analysis and referral’ would improve the application.

BUDGET JUSTIFICATION AND ADEQUACY OF FACILITIES (NOT SCORED)

The budget will be evaluated for the extent to which it is reasonable, clearly justified, and consistent with the intended use of the cooperative agreement funds. The applicant shall describe and indicate the availability of facilities and equipment necessary to carry out this project. Award recipients agree to use cooperative agreement funds for travel by project staff agreed-upon by CDC to participate in CDC-sponsored workshops or other called meetings.

COMMENTS:

- We verified the arithmetic accuracy, allowability, and reasonableness of the budget justification.
- Personnel: The applicant has a vacant position for a Clinical consultant and Research Analyst III, and a Health Program Representative III with no anticipated start dates. The method of selection is to be included with a scope of work. The applicant should submit a revised budget reflecting the anticipated start date.