

A. OVERALL COVER PAGE

Project Title: State-Based Occupational Health and Safety Surveillance in Florida	
Grant Number: 5U60OH010900-05	Project/Grant Period: 07/01/2015 - 06/30/2020
Reporting Period: 07/01/2019 - 06/30/2020	Requested Budget Period: 07/01/2019 - 06/30/2020
Report Term Frequency: Final	Date Submitted: 07/01/2022
Program Director/Principal Investigator Information: KESHIA REID , BS MS PHD Phone Number: (850) 245-4917 Email: keshia.reid@flhealth.gov	Recipient Organization: FLORIDA STATE DEPARTMENT OF HEALTH 4052 BALD CYPRESS WAY, BIN-B01 Office of Deputy Secretary for Operations/FCAM TALLAHASSEE, FL 323997017 DUNS: 364215061 UEI: L924BA1SEN75 EIN: 1593502843A1 RECIPIENT ID:
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Human Subjects: NA	Vertebrate Animals: NA
hESC: No	Inventions/Patents: No

B. OVERALL ACCOMPLISHMENTS

B.1 WHAT ARE THE MAJOR GOALS OF THE PROJECT?

- Execute the activities of a fundamental occupational health and safety program (OHSP).
 - Build FDOH's capacity to conduct surveillance for occupational illness and injury
 - Identify, collect, analyze, maintain, and report on state-based sources of occupational illness and injury data.
 - Identify issues and means for increased involvement in and improvement of policies and processes related to occupational safety and health to increase our reach and impact.
 - Perform prevention and intervention activities related to identify high-risk occupations, industries, populations, or exposures.
- Enhance and maintain an OHSP focus on the construction industry through surveillance, research, and intervention activities with a special emphasis on the characterization and prevention of construction fatalities.
- Reestablish adult blood lead poisoning outreach, investigation, and intervention support to County Health Department (CHD) epidemiologists.

B.1.a Have the major goals changed since the initial competing award or previous report?

No

B.2 WHAT WAS ACCOMPLISHED UNDER THESE GOALS?

File Uploaded : OHSP RPPR B2.pdf

B.3 COMPETITIVE REVISIONS/ADMINISTRATIVE SUPPLEMENTS

For this reporting period, is there one or more Revision/Supplement associated with this award for which reporting is required?

No

B.4 WHAT OPPORTUNITIES FOR TRAINING AND PROFESSIONAL DEVELOPMENT HAS THE PROJECT PROVIDED?

NOTHING TO REPORT

B.5 HOW HAVE THE RESULTS BEEN DISSEMINATED TO COMMUNITIES OF INTEREST?

Results were disseminated through the following:

- Publications in peer-reviewed journals
- Poster and oral presentations at in-person meetings and professional conferences (e.g., Southeastern States Occupational Health Network (SouthON) annual meeting and the Council of State and Territorial Epidemiologists (CSTE) annual meeting)
- Webinars
- Reports (e.g., annual reporting of the occupational health indicators)
- Internet (e.g., occupational health indicators included on Florida Environmental Public Health Tracking Portal)

B.6 WHAT DO YOU PLAN TO DO DURING THE NEXT REPORTING PERIOD TO ACCOMPLISH THE GOALS?

Not Applicable

B.2 (OHSP RPPR B2.pdf)

Florida Department of Health (FDOH)
 State-Based Occupational Health and Safety Surveillance in Florida Fundamental Plus Program
 Grant Number: 5U60OH010900-05

Objectives	Activities/Results/Key Outcomes/Other Achievements
<p>Build FDOHs capacity to conduct surveillance for occupational illness and injury.</p>	<p>The Florida OHSP part-time Program Assistant resigned in August 2019 to pursue a full-time position at another state agency. The position was re-filled in October 2019 by a recent MPH graduate from Florida State University. In May 2020, the Program Manager resigned from her position. This vacancy was filled quickly. The Program Assistant, Mark Gaura, was identified as a candidate for the Program Manager position in June 2019 and officially assumed the role in July 2020. Representatives from the OHSP were active participants in meetings, workgroups, and collaborative projects with state and national partners throughout the project period. The OHSP Program Manager joined the Council of State and Territorial Epidemiologists (CSTE) Occupational Health surveillance subcommittee leadership board in December 2019. The OHSP was also involved in the planning of the annual Southeastern States Occupational Network (SouthON) meeting held in February 2020 in Birmingham, Alabama, and shared two presentations. Similar to previous years, the OHSP was active in the planning and development of the Occupational Health pre-conference workshop to be held at the annual CSTE meeting in 2020; however, this meeting was ultimately cancelled due to COVID-19. Examples of collaborative projects the OHSP engaged in include participation on the National Institute for Occupational Safety and Health (NIOSH) Youth Risk Behavior Surveillance System listserv to provide input on a project to develop 20-30 occupational safety and health questions for youth, and work with the Florida Environmental Public Health Tracking (EPHT) Program and University of Florida’s Institute of Food and Agricultural Sciences to develop data tools to identify vulnerable agricultural and migrant farmworker populations throughout the state during the COVID-19 pandemic.</p>
<p>Identify, collect, analyze, maintain, and report on state-based sources of occupational illness and injury data.</p>	<p>The OHSP collected and analyzed data for the 2017 occupational health indicators in April 2020. These were submitted to NIOSH in November 2020 after the due date was extended as a result of COVID-19. In 2018, the OHSP worked with Florida’s EPHT Program to have the occupational health indicators added to the Program’s public facing data web portal at Floridatracking.com. The OHSP now works with Florida’s EPHT Program to include the most recent OHI on the EPHT web portal annually. The OHSP continued to fund the addition of the Industry and Occupation optional module on the state’s Behavioral Risk Factor Surveillance System survey. The OHSP has funded this module every year beginning in 2013. The OHSP disseminated occupational illness and injury data to local, state and national partners through reports, webinars, conference presentations and peer-reviewed publications. During the project period, the OHSP also initiated work to develop state-priority occupational health indicators with feedback from the Florida Occupational Injury and Illness Coalition.</p>
<p>Identify issues and means for increased involvement in and improvement of policies and process related to occupational</p>	<p>The OHSP facilitated two webinars with the Florida Occupational Injury and Illness Coalition in August 2019 in lieu of in-person meetings. These webinars focused on developing state priority occupational health indicators. The goal of finalizing state priority occupational health indicators was not achieved; however, relevant issues were discussed for further potential and this activity is still a focus of the OHSP. The OHSP</p>

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<p>safety and health to increase our reach and impact.</p>	<p>networked with other state-based occupational health and safety surveillance programs to learn more about their state coalitions, identify strategies for recruiting members, and what partners they feel are missing from their coalition. Additional meetings of the Florida Occupational Injury and Illness Coalition were impacted by COVID-19 and didn't resume until 2021. The OHSP did establish new partnerships in the reporting period, with the Florida Department of Economic Opportunity, Florida Department of Children and Families, Florida Department of Juvenile Justice, and the Florida Department of Agriculture and Consumer Services.</p>
<p>Perform prevention and intervention activities to identify high-risk occupations, industries, populations, or exposures.</p>	<p>The OHSP worked with the Florida EPHT Program and University of Florida's Institute of Food and Agricultural Sciences to develop an interactive map to identify vulnerable agricultural and migrant farmworker populations throughout the state to concentrate COVID-19 testing and messaging efforts. The OHSP cataloged all COVID-19 resources developed by the State of Florida for inclusion on NIOSH's State-based Occupational Health Surveillance Clearinghouse. Additionally, the OHSP assisted with an effort to develop a Statewide Human Trafficking Surveillance Plan in 2019, recognizing that workers' rights and safe working conditions play an important role in preventing human trafficking and victims of labor trafficking are often subject to occupational health risks, which can result in various work-related injuries, illnesses, and deaths.</p>
<p>Enhance and maintain an OHSP focus on the construction industry through surveillance, research, and intervention activities with a special emphasis on the characterization and prevention of construction fatalities.</p>	<p>During the reporting period, partners at the University of Miami (UM) published a manuscript entitled "Characterising near misses and injuries in the temporary agency construction workforce: qualitative study approach" in the journal of Occupational and Environmental Medicine. Planning calls were held with UM to discuss future activities that will enhance surveillance capacity of work-related illnesses, injuries and exposures in this high-risk industry.</p>
<p>Re-establish adult blood lead poisoning outreach, investigation, and intervention support to County Health Department (CHD) Epidemiologists.</p>	<p>As previously mentioned, the program assistant role was filled in the reporting period. The program assistant works with Florida's Lead Poisoning Prevention Program (LPPP) to review cases submitted by CHDs. The program assistant attends weekly surveillance and investigations data review meetings where lead poisoning cases are discussed in addition to other reportable diseases. The program assistant uses Florida's state repository of reportable disease case reports ("Merlin") to explore cases of occupational lead exposure. When the program assistant assumed the program manager role in July 2020, he continued attending weekly LPPP meetings and exploring lead exposure case reports in Merlin to ensure continuity of activities.</p>

C. OVERALL PRODUCTS**C.1 PUBLICATIONS**

Are there publications or manuscripts accepted for publication in a journal or other publication (e.g., book, one-time publication, monograph) during the reporting period resulting directly from this award?

No

C.2 WEBSITE(S) OR OTHER INTERNET SITE(S)

NOTHING TO REPORT

C.3 TECHNOLOGIES OR TECHNIQUES

NOTHING TO REPORT

C.4 INVENTIONS, PATENT APPLICATIONS, AND/OR LICENSES

Have inventions, patent applications and/or licenses resulted from the award during the reporting period? No

If yes, has this information been previously provided to the PHS or to the official responsible for patent matters at the grantee organization? No

C.5 OTHER PRODUCTS AND RESOURCE SHARING

NOTHING TO REPORT

D. OVERALL PARTICIPANTS

D.1 WHAT INDIVIDUALS HAVE WORKED ON THE PROJECT?

Commons ID	S/K	Name	Degree(s)	Role	Cal	Aca	Sum	Foreign Org	Country	SS
KESHIA_REID	Y	Reid, Keshia	BS,MS,PHD	PD/PI	1.0	0.0	0.0			NA
MELISSA.JORDAN	N	JORDAN, MELISSA MURRAY	MS	Co-Investigator	1.0	0.0	0.0			NA
MEREDITH.HENNON	N	Hennon, Meredith		Epidemiologist	11.0	0.0	0.0			NA
	N	Williams, Paula		Program Assistant	1.0	0.0	0.0			NA
	N	Gaura, Mark	MPH	Program Manager	8.0	0.0	0.0			NA

Glossary of acronyms:

S/K - Senior/Key

Cal - Person Months (Calendar)

Aca - Person Months (Academic)

Sum - Person Months (Summer)

Foreign Org - Foreign Organization Affiliation

SS - Supplement Support

RS - Reentry Supplement

DS - Diversity Supplement

OT - Other

NA - Not Applicable

D.2 PERSONNEL UPDATES

D.2.a Level of Effort

Not Applicable

D.2.b New Senior/Key Personnel

Not Applicable

D.2.c Changes in Other Support

Not Applicable

D.2.d New Other Significant Contributors

Not Applicable

D.2.e Multi-PI (MPI) Leadership Plan

Not Applicable

E. OVERALL IMPACT**E.1 WHAT IS THE IMPACT ON THE DEVELOPMENT OF HUMAN RESOURCES?**

Not Applicable

E.2 WHAT IS THE IMPACT ON PHYSICAL, INSTITUTIONAL, OR INFORMATION RESOURCES THAT FORM INFRASTRUCTURE?

NOTHING TO REPORT

E.3 WHAT IS THE IMPACT ON TECHNOLOGY TRANSFER?

Not Applicable

E.4 WHAT DOLLAR AMOUNT OF THE AWARD'S BUDGET IS BEING SPENT IN FOREIGN COUNTRY(IES)?

NOTHING TO REPORT

G. OVERALL SPECIAL REPORTING REQUIREMENTS SPECIAL REPORTING REQUIREMENTS**G.1 SPECIAL NOTICE OF AWARD TERMS AND FUNDING OPPORTUNITIES ANNOUNCEMENT REPORTING REQUIREMENTS**

NOTHING TO REPORT

G.2 RESPONSIBLE CONDUCT OF RESEARCH

Not Applicable

G.3 MENTOR'S REPORT OR SPONSOR COMMENTS

Not Applicable

G.4 HUMAN SUBJECTS**G.4.a Does the project involve human subjects?**

Not Applicable

G.4.b Inclusion Enrollment Data

NOTHING TO REPORT

G.4.c ClinicalTrials.gov

Does this project include one or more applicable clinical trials that must be registered in ClinicalTrials.gov under FDAAA?

G.5 HUMAN SUBJECTS EDUCATION REQUIREMENT

NOT APPLICABLE

G.6 HUMAN EMBRYONIC STEM CELLS (HESCS)

Does this project involve human embryonic stem cells (only hESC lines listed as approved in the NIH Registry may be used in NIH funded research)?

No

G.7 VERTEBRATE ANIMALS

Not Applicable

G.8 PROJECT/PERFORMANCE SITES

Not Applicable

G.9 FOREIGN COMPONENT

No foreign component

G.10 ESTIMATED UNOBLIGATED BALANCE

Not Applicable

G.11 PROGRAM INCOME

Not Applicable

G.12 F&A COSTS

Not Applicable

I. OVERALL OUTCOMES

I.1 What were the outcomes of the award?

The OHSP is relevant and impactful to other programs within the Florida Department of Health and provides public health relevance to other state agencies and partners (e.g., university partners, private industry). Data collected and disseminated by the OHSP is used by partners invested in improving worker health and safety in Florida. For example, the Miami Occupational Health Research Group, a NIOSH Total Worker Health affiliate based out of the University of Miami, has been one of the OHSP's most productive partners in work addressing injuries and fatalities in the construction industry and cancer-related risks among firefighters. Partners routinely use the occupational health indicators, hospital discharge and emergency department datasets, and Behavioral Risk Factor Surveillance System (BRFSS) data to inform prevention and intervention activities and identify priority areas. Since 2013, the OHSP has partnered with the Florida BRFSS program to include the Industry and Occupation (I/O) optional module on the state's BRFSS survey. The BRFSS is the only population-based health survey in Florida that can provide important information about health outcomes, health behaviors, and access to health care among employed adults. The OHSP also actively supported Florida's 67 county health departments with investigations and surveillance of occupational issues, including surveillance of work-related adult blood lead cases to verify that the number of individuals with elevated blood lead levels continues to decrease. Through a variety of meetings, the OHSP engaged in collaborative projects with a diverse network of partners. In 2019, the OHSP was involved in developing a statewide human trafficking surveillance plan that necessitated involvement from a variety of state agency partners at the Florida Department of Children and Families, Florida Department of Economic Opportunity, Florida Department of Agriculture and Consumer Services, and University of Central Florida. This work led to the development of a human trafficking profile report available on FLHealthCHARTS.gov. Additionally, the OHSP worked closely with the Southeastern Coastal Center for Agricultural Health and Safety at the University of Florida on issues pertaining to the health and safety of workers in agriculture, fishing, and forestry. This included developing data tools to identify vulnerable agricultural and migrant farmworker populations who may be disproportionately impacted by public health emergencies, such as the COVID-19 pandemic.