



## Appendix II

### Budget Allocation

Personnel Costs: \$183,683  
Fringe: \$59,022

Non-personnel Costs: \$243,190

**Total: \$485,895**

*\*Per UNC CH Policy, personnel fringe will be paid by the Collaboratory from this award prior to funding transfer.*

### Budget Summary

EHRA Salary	\$100,133
SHRA Salary	\$60,000
Grad Student	\$23,550
Temps	\$0
Fringe Pool	\$59,022
Non-Personnel Expenses	\$243,190
<b>Total</b>	<b>\$485,895</b>

## Appendix III

### Project Title:

### **Technical Assistance Using a Total Worker Health® (TWH) Approach and Evidence-based Strategies to Ensure a Safe Return to Work in North Carolina**

#### **Impact to the State (300 word limit)**

- Description of the problem or challenge being addressed and how the problem impacts those in the state of North Carolina
- Describe how the proposed research will provide impactful solutions to the described problem to help the state of North Carolina

The North Carolina Occupational Safety and Health Education and Research Center (NC OSHERC), is a regional Center that provides occupational safety and health training for health professionals, conducts state-of-the-science research, and offers technical assistance and continuing education in occupational safety and health for a wide array of businesses in NC, nationally, and around the world. An interdisciplinary team of health professionals from NC OSHERC will use the **Total Worker Health® (TWH)** approach to launch a technical assistance program designed to assist NC businesses with their efforts to respond to the COVID-19 pandemic and to ensure the safe and healthy re-opening of businesses.

TWH® efforts begin with an assessment of workers and workplace conditions and implement TWH® “hierarchy of controls” that follow CDC and OSHA guidelines. We will identify specific, practical assessment tools, verify that workplace decontamination procedures and employee testing recommendations are effective, design user-friendly reports summarizing results, and engage with employers and employees to develop a tailored response to the safe re-opening of businesses while protecting worker health. We will work with selected business sectors to refine the approach and related technical assistance to expand service delivery to all interested NC employers. Results are used to propose a menu of evidence-based policies, programs, and practice-based solutions and strategies designed to promote the safety, health, and well-being of workers and safe work environment. While engaging with businesses and employees, proposed strategies include, but are not limited to, specific mitigation efforts, educational trainings, and consultations offering technical assistance and support. The proposed TWH® approach is designed to include assessment tools that document characteristics of workers and businesses and offers training/technical assistance so that practice and policy strategies positively impact worker health and work conditions while providing benefits for employers as well as family members, communities, and the economy as a whole.

## **Milestones (300 word limit):**

Description of what will be accomplished and what can be delivered by August 31, 2020, and by Dec. 31, 2020. The start date will be July 1, 2020.

### Phase 1 Deliverables by August 31, we will:

1. Hire, train, and orient project staff to TWH® approach and recruitment protocols;
2. Develop project brand, create website and marketing/recruitment materials;
3. Collect data on essential, front-line, high-risk workers in NC;
4. Collect data on NC business enterprise characteristics, especially small-medium size businesses with low-wage, essential, high-risk workers and work conditions;
5. Use collected data and guiding principles to prioritize selected businesses and invite to participate in TWH® demonstration project;
6. Implement and report on business recruitment protocol;
7. Establish TWH® approach/protocol for working with prioritized NC businesses that documents:
  - characteristics of NC business enterprises (size, sector, purpose, location, etc.),
  - worker/workforce characteristics (number, age, gender, race/ethnicity, health status of workers, health risks, co-morbid conditions, etc.),
  - existing workplace programs, policies and practices (benefits, health and safety programs/services, etc.),
  - work conditions such as essential job tasks, physical and psychosocial job demands, shift status, work pace, etc.,
  - influences on worker health outcomes (awareness, behaviors, worker engagement, injuries and illnesses such as COVID-19 incidence/mortality),
  - influences on enterprise outcomes (absenteeism, turnover, productivity, health costs, etc.)

### Phase 2 deliverables by Dec 31, 2020, we will:

1. Recruit enterprises from at least two business sectors with essential, high-risk for COVID-19 employees to participate in this project.
2. Implement the TWH® approach with recruited businesses and their workplaces.
3. Evaluate specific worker, workplace environment, and enterprise outcomes.
4. Prepare a report summarizing project results and pursue other funding opportunities to sustain this effort.
5. Clarify plans for integrating the technical assistance and support services as part of the NC OSHERC outreach core services.

In summary, we will provide technical assistance and support for re-opening in ways that are tailor-made (vs. one-size-fits-all) for each business. Each unique business enterprise warrants a specific, tailored approach for their workers and work conditions; high-risk businesses like meat-packing industries require different solutions than childcare settings or grocery stores.

**Budget Justification (200 word limit):** Funds are limited. We encourage all teams to revisit their budget and determine if it can be reduced.

- Budget: TWH NC COVID0-19 Collaboratory Budget 6-8-2020.xlsx

These investment funds will allow us to develop the TWH<sup>®</sup> approach, test it with prioritized businesses which employ workers at high-risk for COVID-19, and provide plans to disseminate this approach to other NC businesses. Funds (total \$453,228) are requested for:

1. Personnel: \$242,705
2. Travel to the workplaces: \$8,000
3. Supplies for educational and workplace testing materials, PPE, etc. to conduct workplace assessments and testing as well as a computer to be solely used for data collection and analyses in this project: \$40,067
4. Consultant services from Geosyntec to conduct workplace assessments as well as surface testing and disinfection procedures for SARS-CoV-2 and development of best management practices: \$99,350
5. Web Design, Cloud Platform, and Application Design: \$33,000
6. Data Management/Programming: \$42,000
7. Travel, lodging, and meals during official travel for 4–6 Advisory Board Members to attend Advisory Board Meetings (2) with Key Employer/Worker Stakeholders (i.e., no honoraria, meeting swag will be paid): 2 x \$1,000 = \$2,000