

A. COVER PAGE

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| Project Title: Examining the Physical, Mental, and Social Health Outcomes among Commercial Fishers | |
| Grant Number: 5 K01 OH012107-03 | Project/Grant Period: 9/1/2021 - 8/31/2024 |
| Reporting Period: | Requested Budget Period: |
| Report Term Frequency: Final | Date Submitted: |
| Principal Investigator Information: Shannon Guillot-Wright Email: | Recipient Organization: University of Texas Medical Branch |

RPPR Checklist: K01 OH012107
PI: Shannon Guillot-Wright
Reporting Period: 9/1/2021 – 9/1/2023
Business Office Contact: Laura Levell - laleavel@utmb.edu

Formatting Guidelines:

- **Font size:** Must be 11 points or larger. Smaller text in figures, graphs, diagrams and charts is acceptable, as long as it is legible when the page is viewed at 100%. Arial, Georgia, Helvetica, Palatino Linotype fonts are recommended by NIH.
- **Type density:** Must be no more than 15 characters per linear inch (including characters and spaces).
- **Line spacing:** Must be no more than six lines per vertical inch.
- **Margins:** 0.5 inch margins.

Section B. Accomplishments

B.1. What are the major goals of the project?

Specific aims are to:

1. Conduct a systematic review to assess the state of research and to identify new barriers of and facilitators to injury prevention among commercial fishers in the Gulf of Mexico.
Related career development aim: gain practical skills in conducting systematic reviews, including the interpretation and triangulation of quantitative and mixed-method analyses; gain practical skills in interpretive policy analysis.
2. Conduct a holistic ethnography examining the individual, community, and structural risk and protective factors that advance or hinder fishing injuries in the Gulf of Mexico.
Related career development aim: gain expertise in interpretive policy analysis.
3. Examine the use of research translation in policymaking, with the ultimate goal of advancing equitable and evidence-based workplace safety measures for commercial fishers.
Related career development aim: gain expertise analyzing and subsequently creating research-to-policy products; further develop proficiencies in interpretive policy analysis.

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?

Specific Aim 1:

- The systematic review has been conducted to assess and identify prevention initiatives for Gulf of Mexico commercial fishermen and reviewed the articles that were relevant to the research question(s). I reviewed 1444 abstracts from three databases (i.e., OVID, Scopus, and CINAHL) that met the search criteria, of which 300 met inclusion criteria. The articles that met inclusion criteria were fully reviewed and an annotated bibliography is created for each citation. A manuscript is in progress.
- I meet with my primary mentor Dr. Jeff Temple weekly and co-mentors Drs. Kathryn Oliver and Billy Terry on an as-needed basis. I have met with resource team members individually for consultation.
- I was accepted to present original research at the Society for the Advancement of Violence and Injury Research in March 2022, which was partly based on my systematic review.
- I was accepted into Baylor's 'Introduction to Clinical Research' course.

- I was accepted into the Winter School for interpretive policy analysis through the International Public Policy Association.
- I was accepted to present a workshop on health policy as the Society for the Advancement of Violence and Injury Research in 2023. My research and policy courses I've taken under this grant are directly related to this workshop.

Specific Aim 2:

- I have observed and built relationships with Gulf Coast fishermen and stakeholders by attending Collaborative Action Board (CAB) meetings in the Rio Grande Valley, meeting with Texas policy-makers who have an interest in agriculture, presenting at Gulf Coast fishery advisory council meetings, and spending time on the docks with fishermen.
- I interviewed fishermen in Texas, as well as met with legislators to build relationships for future research use.

Specific Aim 3:

- I am a member of the Scholars Strategy Network, which gives me access to policy trainings and workshops as well as opportunities to connect with policymakers and media contacts.
- I hired a research translation coordinator to help translate research into public and policy landscapes.
- I presented initial findings to the U.S. Department of Labor.

B.4. What opportunities for training and professional development has the project provided?

Training and professional development opportunities included Baylor's course 'Introduction to Clinical Research,' research to policy trainings through the Scholars Strategy Network, and an interpretive policy analysis training through the International Public Policy Association. Additionally, the project has given me the opportunity to connect with researchers, practitioners, and policymakers throughout TX and the US who are interested in occupational health and health equity.

B.5. How have the results been disseminated to communities of interest?

So far, dissemination has included a public website (www.uthsphpeoplecentered.com), policy briefs, meeting with state policymakers, and presenting about fishermen's injury to the U.S. Department of Labor.

B.6. What do you plan to do during the next reporting period to accomplish the goals?

Not applicable.

Section C. Products

C.1. Are there publications or manuscripts accepted for publication in a journal or other publication (e.g., book, one-time publication and monograph) during the reporting period resulting directly from this award?

Journal Articles

1. *Cherryhomes, E., **Guillot-Wright, S.** (2023). "Dissemination and Implementation of a Text Messaging Campaign to Improve Health Disparities Among Im/migrant Workers." *International Journal of Environmental Research and Public Health*, 20(7): 5311. DOI: 10.3390/ijerph20075311.
2. *Porterfield L, *Jan, QH, *Jones F, *Cao T, Davis L, **Guillot-Wright, S**, Walcher, C. (In press). "Family medicine team perspectives on screening for health-related social needs." *Journal of the American Board of Family Medicine*.

3. Lu, Y., Baumler, E., Wood, L., Le, V.D., **Guillot-Wright, S.**, & Temple, J. R. (In press). "Racial discrimination and interpersonal violence in Asian adolescents During the COVID-19 pandemic." *Journal of Adolescent Health*.
4. Vaughn, E., Porterfield, L., **Guillot-Wright, S.**, Temple, J.R. (2023). "Addressing training gaps: A competency-based, telehealth training initiative for Community Health Workers." *Telemedicine Reports*, 4(21). DOI: 10.1089/tmr.2023.0007.
5. Makinde, O., Andress, L., Agonafer, E.P., Massick, S., Piepenbrink, S., Sutton, K., Torre, D., **Guillot-Wright, S.**, and Lee, M. (2023). "From the national to the local: Issues of trust and a model for community-academic-engagement." *Frontiers in Public Health*, 11. DOI: <https://doi.org/10.3389/fpubh.2023.1068425>.
6. **Guillot-Wright, S.**, *Cherryhomes, E., *Wang, L., *Overcash, M. (2022). "Systems and subversion: a review of structural violence and im/migrant health." *Current Opinion in Psychology*, 47:101431. DOI: 10.1016/j.copsyc.2022.101431.
7. **Guillot-Wright, S.**, *Cherryhomes, E., Davis, L. (2022). "The impact of economic deregulation for health disparities among Gulf of Mexico commercial fishermen." *Marine Policy*, 141:105099. DOI: <https://doi.org/10.1016/j.marpol.2022.105099>.
8. **Guillot-Wright, S.** and Oliver, K. (2022). "Improving the Influence of Evidence in Policy Creation: An Ethnographic Study of the Research-to-Policy Collaborative." *Evidence & Policy*, DOI: <https://doi.org/10.1332/174426421X16511503034424>.
9. **Guillot-Wright, S.**, Farr, N.M., *Cherryhomes, E. (2022). "A community-led mobile health clinic to improve structural and social determinants of health among (im)migrant workers." *International Journal for Equity in Health*, 21(58): DOI: <https://doi.org/10.1186/s12939-022-01630-7>.
10. Oliver, K., A., Hopkins, Boaz, A., **Guillot-Wright, S.**, Cairney, P. (2022). "What works to promote research-policy engagement?" *Evidence & Policy*, DOI: <https://doi.org/10.1332/174426421X16420918447616>.
11. Temple, J.R., Baumler, E., Wood, L., **Guillot-Wright, S.**, *Torres, E.D., Thiel, M. (2022). "The Impact of the COVID-19 Pandemic on Adolescent Mental Health and Substance Use." *Journal of Adolescent Health*, 71(3): 277-284. DOI: <https://doi.org/10.1016/j.jadohealth.2022.05.025>.

Testimony at Public Hearings.

1. US Department of Labor, H-2A Visa Program Listening Sessions, November 30th, 2022.

Policy Reports & Briefs (Research Dissemination and Translation)

1. Ardawatia, A., Walcher, C., **Guillot-Wright, S.**, Torres, ED, Temple, JR. (2023). "Relationships Education and Adolescent Health." *Policy Issue Brief for Rep. Mary Gonzalez's Office*, DOI: 10.13140/RG.2.2.31099.18726
2. **Guillot-Wright, S.**, Wood, L., Walcher, C., Jacobs, A., Wang, L., Temple, JR. (2023). "Gambling and Interpersonal Violence." *Policy Issue Brief for Rep. Matt Shaheen's Office*, DOI: 10.13140/RG.2.2.28151.70561
3. **Guillot-Wright, S.** (2022). "H-2A Agricultural Workers – Commercial Fishermen." *Policy Issue Brief*, DOI: 10.13140/RG.2.2.29668.04489.
4. Temple, J., **Guillot-Wright, S.** (2022). "Teen Mental Health and COVID-19." *Policy Issue Brief*, DOI: 10.13140/RG.2.2.16246.27206.
5. Temple, J., **Guillot-Wright, S.** (2022). "Fourth R: Costs and Coordination." *Policy Issue Brief*, DOI: 10.13140/RG.2.2.22957.15843.

Photovoice

1. **Guillot-Wright, S.** (2022). Fishermen in the Gulf. The Galveston Seafarers Center, Galveston, TX.

Media

1. Study on COVID mental health covered in the following outlets:
 - Galveston County Daily News: UTMB study links poor mental health in adolescents to COVID-19 restrictions
 - Healthline: COVID-19 Cases are Going to Ebb and Flow, With or Without Restrictions
 - KERA-FM (Dallas): Aired on July 15, 2022 at 10:20 AM
 - KPRC-TV (Houston): Aired on July 13, 2022 at 11:05 AM
 - KTRH-AM (Houston): Aired on July 19, 2022 at 5:35 AM
 - KTRK-TV (Houston) Online: New Study By UTMB Links Poor Mental Health In Adolescents Due To Covid-19 Restrictions
 - KUT-FM (Austin): Aired on July 15, 2022 at 10:20 AM
 - Texas Public Radio: Aired on July 15, 2022 at 10:20 AM
2. Fishing Forward Podcast (June 2022), Health in Fishing Communities.
https://soundcloud.com/fishingforwardpodcast/episode-14-health-in-fishing-communities/s-TutYz5h010u?utm_source=clipboard&utm_medium=text&utm_campaign=social_sharing
3. Seafarer Times (May 2, 2022), Filipino seafarers often delay or completely avoid medical care for fear of retaliation from employers, including potentially losing their jobs.
<https://seafarertimes.com/2018-19/node/7156>
4. Safety and Health Magazine (March 9, 2022), Fear of employer retaliation leads immigrant seafarers to delay, avoid medical care. <https://www.safetyandhealthmagazine.com/articles/22344-fear-of-employer-retaliation-leads-immigrant-seafarers-to-delay-avoid-medical-care-study>
5. Houston Public Media (December 22, 2021), Seafarers in the port of Houston avoid medical care for fear of retaliation, new study says. <https://www.houstonpublicmedia.org/articles/news/in-depth/2021/12/22/416100/seafarers-in-the-port-of-houston-avoid-medical-care-for-fear-of-retaliation-study-says/>.

PEER-REVIEWED PRESENTATIONS (*denotes student/trainee)

1. **Guillot-Wright, S.**, Davis, L. (2023). "The Impact of COVID-19 on Essential Workers." *Society of Teachers of Family Medicine Annual Spring Conference*, Tampa, FL.
2. Miller, S., Borrup, K., Rochford, H., Jacoby, S., Michaels, N. **Guillot-Wright, S.** (2023). "Anatomy of Advocacy: The science is not enough." *Technical Workshop at Society for the Advancement of Violence and Injury Research*, Denver, CO.
3. **Guillot-Wright, S.** (2023). "Docside Clinic: Working with trainees to implement a free clinic for under-reached populations." Oral presentation at *Society of Teachers of Family Medicine Conference on Medical Student Education*, New Orleans, LA.
4. **Guillot-Wright, S.** (2022). "Neoliberalism & its impact for Gulf Coast fishermen's health." Oral presentation at *Southwest Centers Occupational Health Research Symposium*, Virtual.
5. **Guillot-Wright, S.**, Davis, L. (2022). "Improving Structural and Social Determinants of Health through Community-Led Interventions." Oral presentation at *International Symposium to Advance Total Worker Health*, Bethesda, MD.
6. **Guillot-Wright, S.**, Davis, L. (2022). "Docside Clinics: Creating a free mobile health clinic for im/migrant workers." Oral presentation at *Healthier Texas Summit*, Austin, TX.
7. *Cherryhomes, E., Davis, L., **Guillot-Wright, S.** (2022). "It's your work, so you have to obey the rules the company sets: Health, financial, housing, and immigration concerns of Texas Seafood Processors during COVID-19." Oral presentation at *American Public Health Association*, Boston, MA.

8. Lu, Y., Baumler, E., Le., V.D., **Guillot-Wright, S.**, Temple, J.R. (2022). "Racial discrimination and interpersonal violence in Asian adolescents in the COVID-19 pandemic." Oral presentation at *American Public Health Association*, Boston, MA.
9. **Guillot-Wright, S.**, *Cherryhomes, E., Davis, L. (2022). "Increasing Occupational Health Equity through Community Engaged Research." Oral presentation at *Society for the Advancement of Violence and Injury Research*, Washington, DC.
10. *Cherryhomes, E., Davis, L., **Guillot-Wright, S.** (2022). "A community-led mobile health clinic to improve structural and social determinants of health among (im)migrant workers." Oral presentation at *Health of Migrants Conference*, Virtual.
11. *Cherryhomes, E., Davis, L., **Guillot-Wright, S.** (2022). "Increasing occupational health equity among Texas Gulf Coast shrimpers." Poster presentation at *Public Health Symposium*, Galveston, TX.

C.2. Website(s) or other internet site(s).

@ people_centered – Instagram.

www.uthsph-peoplecentered.com – public website with research results in plain language.

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 this reporting period?

Nothing to report.

C.5. Other products and resource sharing.

Nothing to report.

Section D. Participants

D.1. What individuals have worked on the project?

Key Personnel

Name: Shannon Guillot-Wright

Role: PI

Commons ID: SPGUILLO

Degree(s): BA, MA, PhD

Effort: 9.0 Calendar Months

D.2.a. Level of Effort

Will there be, in the next budget period, either (1) a reduction of 25% or more in the level of effort from what was approved by the agency for the PD/PI(s) or other senior/key personnel designated in the Notice of Award, or (2) a reduction in the level of effort below the minimum amount of effort required by the Notice of Award?

No.

D.2.b. New Senior/Key Personnel

Are there, or will there be, new senior/key personnel?

No.

D.2.c. Changes in Other Support

Has there been a change in the active other support of senior/key personnel since the last reporting period?

Name: Shannon Guillot-Wright, PhD

Newly Awarded since last reporting period:

ACTIVE

Title: Navigating the waters of the US healthcare system: improving the biopsychosocial health of fishing industry workers

Major Goals: This study will 1) examine the link between and mechanisms underlying occupational injuries and substance misuse to inform clinical needs by conducting semi-structured interviews and participant observation 2) implement and study the feasibility of healthcare navigators by identifying and addressing biopsychosocial factors that lead to increased injury and substance misuse, and 3) evaluate whether and how commercial fishermen use and access the healthcare navigators to reduce injury and substance use.

Status of Support: Pending

Project Number: U01 OH012658

Name of PD/PI: Guillot-Wright, S. (PI)

Source of Support: CDC/NIOSH

Primary Place of Performance: Texas

Project/Proposal Start and End Date: 09/2023-08/2026

Total Award Amount (including Indirect Costs): \$975,000

Person Months (Calendar/Academic/Summer) per budget period.

| Year (YYYY) | Person Months (##.##) |
|-------------|-----------------------|
| 1. 2024 | 0.96 calendar |
| 2. 2025 | 1.80 calendar |
| 3. 2026 | 1.80 calendar |
| 4. 2027 | 1.80 calendar |
| 5. 2028 | 1.80 calendar |

Title: Longitudinal mixed-methods study of firearms among ethnically diverse adolescents and young adults

Major Goals: This study will examine access, use, carriage, storage, and sharing of firearms among a large sample of ethnically diverse individuals to examine risk and protective factors of firearm injury and violence. Findings will directly benefit communities by informing developmentally sensitive and gender informed school and community-level prevention approaches for adolescents and young adults.

Status of Support: Active

Project Number: R01

Name of PD/PI: Temple, J. (PI), Role: Co-Investigator

Source of Support: CDC

Primary Place of Performance: Texas

Project/Proposal Start and End Date: 09/2023-08/2028

Total Award Amount (including Indirect Costs): \$1,950,000

Person Months (Calendar/Academic/Summer) per budget period.

| Year (YYYY) | Person Months (##.##) |
|-------------|-----------------------|
| 1. 2024 | 1.20 calendar |
| 2. 2025 | 1.20 calendar |
| 3. 2026 | 1.20 calendar |
| 4. 2027 | 1.20 calendar |
| 5. 2028 | 1.20 calendar |

IN-KIND

None

Overlap:

There is no scientific or financial overlap among projects.

I, PD/PI, certify that the statements herein are true, complete and accurate to the best of my knowledge, and accept the obligation to comply with Public Health Services terms and conditions if a grant is awarded as a result of this application. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties.

Signature: _____  _____

Date: _____ 11/28/23 _____

D.2.d. New Other Significant Contributors

Are there, or will there be, new other significant contributors?

No.

Section E. Impact

E.2 What is the impact on physical, institutional, or information resources that form infrastructure?

The project creates opportunities to discuss evidence directly with policymakers and put it in forms that are useful to them (e.g., policy brief or short story). This creates an immediate impact on policy, such as informing them of injuries and work conditions of fishermen that can help guide future health policy decisions, as well as be a resource for broader questions around worker health equity.

E.4. What dollar amount of the award's budget is being spent in foreign country(ies)?

Nothing to Report.

Section F. Changes

F.2 Actual or anticipated challenges or delays and actions or plans to resolve them

Nothing to report.

F.3.a Human Subjects

No Change.

F.3.b Vertebrate Animals

No Change.

F.3.c Biohazards

No Change.

F.3.d Select Agents

No Change.

Section G. Special Reporting Requirements

G.1. Special Notice of Award and Funding Opportunity Announcement Reporting Requirements

Not applicable.

G.4.b Inclusion Enrollment Report

Nothing to report.

G.5 Human Subjects Education Requirement

Are there personnel on this project who are or will be newly involved in the design or conduct of human subjects research?

No.

G.6. Human Embryonic Stem Cells (hESCs)

Does this project involve human embryonic stem cells?

No.

G.9. Foreign Component

Has significant scientific activity for this grant been performed outside of the United States, whether or not grant funds were expended?

No foreign component.

G.10.a Is it anticipated that an estimated unobligated balance (including prior year carryover) will be greater than 25% of the current year's total approved budget?

No.

H. Budget

H.1 Budget Form

Not applicable.

I. Outcomes of the Award

The K01 award has been instrumental in our work with waterfront workers and policymaking communities. Outcomes include not only the interviews we conducted with shrimpers and decision-makers, but the ability to observe and interact with fishing communities throughout Texas for nearly three years. During the ethnographic work, we were able to implement community programming to benefit the shrimpers, such as free medical clinics and community health workers. Although this work is above and beyond the goals of our ethnography, it would not have been possible to accomplish without the dedicated time the project afforded me. My systematic review (Aim 1) helped me establish a baseline for what non-medical drivers of health needs were and were not being met through existing research and gave me the necessary foundation for developing

interview questions and research protocols. Our interviews with participants (Aim 2) and the addition of photovoice (Aim 2), alongside participant observation (Aim 2) revealed a need for greater primary care access for Gulf Coast shrimpers, specifically Vietnamese refugees in southeast TX. We were able to leverage our findings to apply for three other successful grants and contracts through NIOSH of which I was/am PI, which were instrumental in the development and implementation of mobile clinics (U54) and community health workers (U01) for shrimpers, as well as examining the experiences of shrimper processors (contract). Finally, working alongside decision-makers (Aim 3), including but not limited to dock managers, boat captains, food justice advocates, and policymakers, has moved this work from theoretical to practical (i.e., research-to-policy/practice).