

CUSTOM VISUALIZATIONS OF WEARABLES DATA FOR VETERANS WITH PTSD

RTI INTERNATIONAL: SOCIAL, STATISTICAL, AND ENVIRONMENTAL SCIENCES UNIT
CENTER FOR HEALTH ANALYTICS, MEDIA, AND POLICY DIVISION

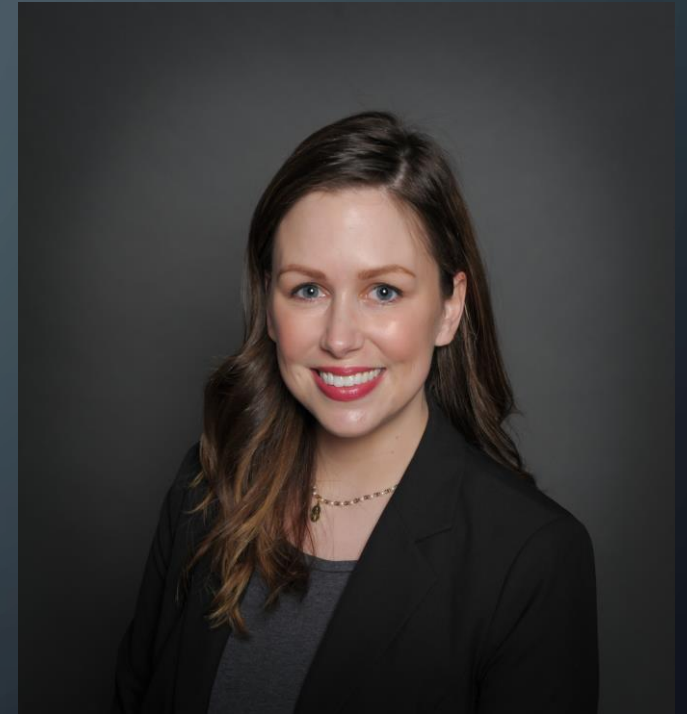
CHELSEA MOVILLA-DIAGO

CHIP 793: HEALTH INFORMATICS INTERNSHIP

15 NOVEMBER 2021

BACKGROUND

- USMC VETERAN
- CYBER TECHNICIAN
- MILITARY SPOUSE
- UNDERGRAD: PUBLIC HEALTH
- GRADUATE: BIOMEDICAL AND HEALTH INFORMATICS
- AI IN HEALTHCARE



OBJECTIVE

Assist the Center for Health Analytics, Media, and Policy Division (CHAMP division) with their ongoing research surrounding wearables data for veterans with post traumatic stress disorder (PTSD).



METHODS

- Multi-phase cohort study
 - Wearable device
- Cloud-based electronic health record
 - Multiple data collection points



iCARE EHR Application



Garmin Vivosmart4

INTERNSHIP ACTIVITIES

Contribute

- Perform scoping review
- Include/exclude material

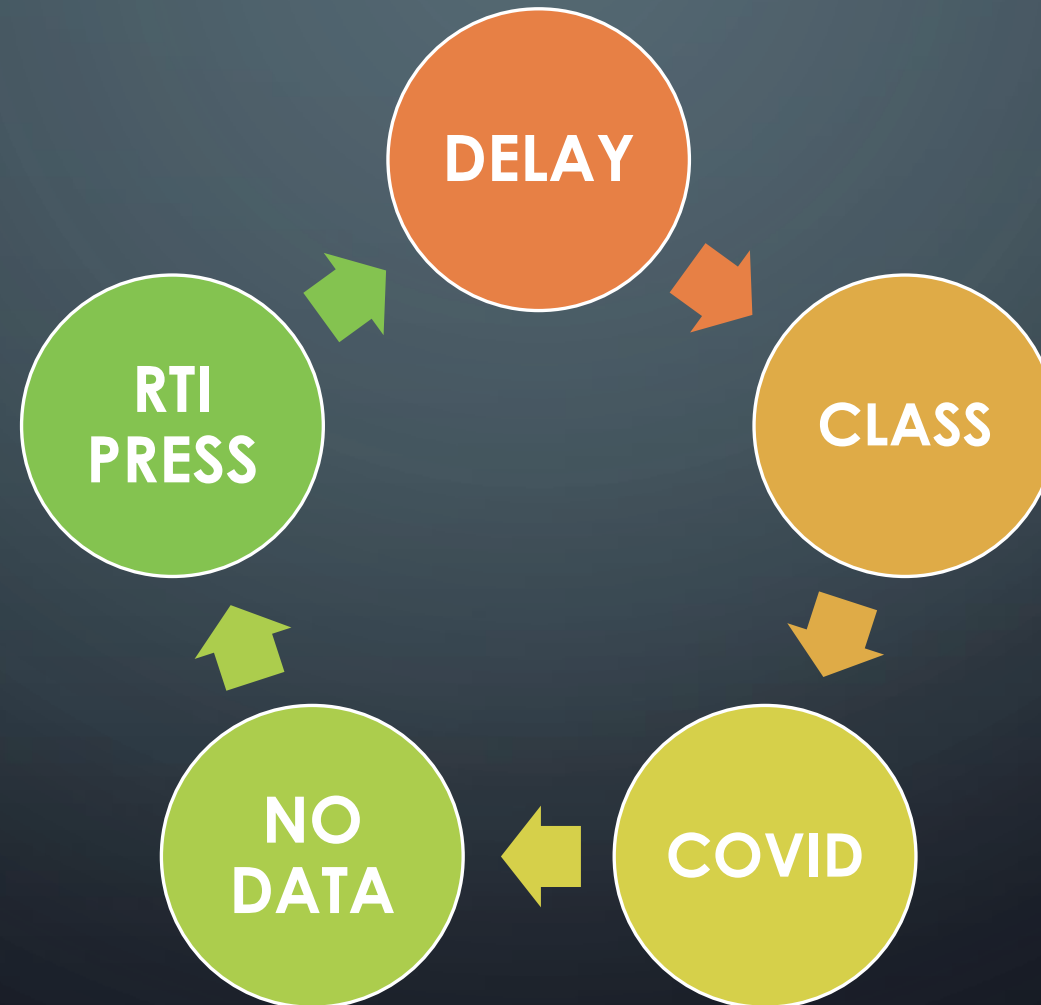
Document

- Compile data
- Build tables

Author

- Write manuscript for RTI Press
- Summarize cohort activity

CHALLENGES AND LESSONS LEARNED



CONCLUSION

Work with RTI
International



Help
vulnerable
population



Discover new
treatment
methods

QUESTIONS

REFERENCES

GARMIN. (2021, November 07). *Vivosmart4*. Retrieved from Wearables and Fitness Tracking:

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iCARE. (2021, November 07). *iCARE Enterprise Cloud EHR* . Retrieved from <https://icare.com/applications/>

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