



ASU Public Health Technology Corps Pilot Program Application

As part of the new School of Technology for Public Health within ASU Health, Arizona State University is launching a Public Health Technology Corps

You are invited to apply for the ASU Public Health Technology Corps

This pilot program provides an opportunity for students who have an interest in public health, technology and design to gain hands-on experience through community partnerships primarily in Phoenix and Tempe.

Public Health Technology Corps scholars will benefit from collaborating closely with public health experts and learn how the industry partners are leveraging concepts of technology and design to improve public health processes and outcomes. They will have the chance to enhance their research and design skills, data reporting abilities, and take advantage of extensive networking opportunities and avenues for professional development. Additionally, they will join a cohort of like-minded Sun Devils dedicated to driving innovation and making a positive impact.

Here are some examples of projects students who become part of the PHT Corps may be matched to:

- **Optimizing Public Health Data Reporting Through USCDI Adoption:** Standardize data feeds from electronic health records with the goal of implementing the United States Core Data Interoperability standards. This project will include data and legal analysis to ask how public health reporting could look different and be more effective if we used USCDI standards from EHRs and what are the trigger mechanisms needed to do this.
- **Mapping Heat Risks: Understanding Origins of Heat-Related Deaths:** Create data visualization, and synthesize findings for potential policy recommendations.
- **Population Health Tool:** Implement a new population health tool that will pull data from electronic medical records and claims data to identify patients who would benefit from screening tests and other interventions. The overall goal is to improve health outcomes and increase reimbursements from value-based contracts.
- **Advancing Health Equity: Indigenous Data Science Education:** Plan and help host an annual workshop on tribal lands focusing on Indigenous Data Science Education in Health-Based Artificial Intelligence and Machine Learning. This project is seeking logistical support with this event to include marketing, event planning, development of materials, computational approaches and week-of instructions.

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Eligibility:

- 18+ years of age
- Both in-person and online degree program students can apply.
- At the time of the application, students must be in good academic standing (2.0 GPA and above).
- While these projects are rooted in public health, they are interdisciplinary. We welcome undergraduate and graduate students from a wide range of disciplines such as biomedical informatics, law, engineering, marketing and communication, computer science, political science/policy, data science, and more.
- Some projects may have additional requirements, such as in-person attendance, fingerprinting and background checks.

- **Phoenix Health Bulletin: Enhancing Access to Vital Community Events and Information:**
Create an online bulletin that promotes free public health events from health organizations across Phoenix. Students would curate this information in one place to increase awareness of events and attendance, and will help combat health disparities. This project may include web development and critical thinking for innovative solutions.

Program dates

The program will run from fall 2024 to spring 2025 (exact dates may vary according to each partner and project). Students can expect to contribute 3–12 hours per week.

Placements and day-to-day responsibilities

Students will be matched with a partner organization and engage in project-based work that aligns with the interests they self-report on the application form. Students will have a primary role in delivering innovative projects aimed at tackling urgent health concerns in the community.

Additional experiences

There will be unique mentorship opportunities designed to support and enhance the professional development of students. This mentorship aims to connect emerging technologies with public health practices by creating an environment where mentees can learn from experienced professionals.

Application and selection

To be considered for this program, students need to fill out the following application:

Public Health Technology Corps Application. The application includes basic information, projects of interest, a resume*, and a 150 word statement expressing interest.

The deadline to apply is **July 8, 2024.**

- Students will be notified if they have been selected by the end of day on Friday, July 19, 2024.
- Students who have been selected must commit to the program no later than 5 p.m. MST Friday, July 26, 2024.

*Students who don't have a resume or want to improve theirs can get help here.

Info sessions

Want more information? Come join us at one of our information sessions!

June 20, 2024: 3–3:45 p.m. | Zoom link: <https://asu.zoom.us/j/85495574829>

June 26, 2024: 9–9:45 a.m. | Zoom link: <https://asu.zoom.us/j/81867119977>