



CDC One Health Office Applied Practice Experience Opportunities - Summer 2022

CDC’s One Health Office sits within in the National Center for Emerging and Zoonotic Infectious Diseases (NCEZID) at CDC. The One Health Office is involved in both domestic and global health activities that help advance CDC’s mission to protect public health and prevent disease. CDC’s One Health Office recognizes that the health of people is connected to the health of animals and our shared environment. A One Health approach encourages collaborative efforts of many experts (like disease detectives, laboratorians, physicians, and veterinarians) working across human, animal, and environmental health sectors to improve the health of people and animals, including pets, livestock, and wildlife. CDC’s One Health Office is working on a variety of projects and collaborations both domestically and internationally. Students will have the opportunity to support the One Health Office in a variety of activities, but will be primarily responsible for one of the projects below.

All of these opportunities within CDC’s One Health Office are unpaid and voluntary-based. Opportunities are typically 40 hours/week (unless otherwise noted) from Monday to Friday and will most likely be fully virtual/telework, due to the COVID-19 pandemic. Students may be badged under the Student Worksite Experience Program (SWEP), if eligible.

If you are interested in applying to any of these One Health Office APE Opportunities, please send a cover letter and resume/CV to the One Health Office point of contact for each project. Please also include in your email subject line the name of the project you are applying for.

Cover letters and resumes/CVs will be reviewed on a rolling basis as they are submitted. These opportunities will be filled as soon as possible.

APE Opportunities within CDC’s One Health Office

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Communications Assistant

[CDC's One Health Office](#) recognizes that the health of people is connected to the health of animals and our shared environment. A One Health approach encourages collaborative efforts of many experts (like epidemiologists, ecologists, laboratorians, physicians, and veterinarians) working across human, animal, and environmental health to improve the health of people and animals, including pets, livestock, and wildlife.

The summer student will help support the CDC's One Health Office communication activities. The One Health Office maintains two websites and coordinates health communication campaigns, products, media, and outreach to internal and external stakeholders. The student will help support the One Health Office in various communication activities including, but not limited to:

- Developing social media messages for multiple platforms and analyzing metrics
- Researching and identifying One Health-related events and observances and brainstorming creative promotion strategies
- Working with graphic artists to create communication products such as fact sheets, graphics, animation, and more
- Writing stories and articles related to CDC's One Health work
- Assisting with coordination of monthly webinars on topics related to zoonoses and One Health
- Developing, editing, and updating content for CDC's [One Health](#) and [Healthy Pets, Healthy People](#) websites

The student will have the opportunity to support the One Health Office in any other needed capacity including things like attending meetings and assisting with other projects.

Required Skills

- Background in health education and/or health promotion
- Experience writing, preferably for non-technical audiences
- Familiarity with social media (Twitter, Facebook, Instagram) and analyzing social media metrics
- Ability to work in fast-paced environment with changing priorities and tight deadlines
- Flexibility, detail-oriented, and ability to work independently

We are looking for a student who can work 15 to 20 hours per week. If you are interested in this communications assistant position, please send a resume and cover letter to Laura Murrell (wjl9@cdc.gov).



Domestic One Health Coordination

The One Health Office coordinates and leads the following:

1. **One Health Federal Interagency COVID-19 Coordination Group (OH-FICC)** [pronounced O-fik] brings together over 100 representatives from 23 federal Agencies representing multiple Departments (HHS, USDA, DOI, DOD, and others) to exchange information, updates, and to collaborate to address One Health aspects of COVID-19 relevant to human health, animal health, and the environment.
2. **State-Federal One Health COVID-19 Coordination** provides a platform to exchange timely updates and information with state/local partners including state public health veterinarians, state animal health officials, and state wildlife officials to address the One Health aspects of COVID-19.
3. **One Health Partners Monthly COVID-19 Webinar** is a non-government One Health call designed to share news and key updates, guidance, resources on One Health aspects of COVID-19, summarize animal cases of SARS-CoV-2 in US & globally, and provide updates on ongoing coordination around One Health aspects of COVID-19 in US.

Responsibilities for the students include but are not limited to:

- Conducting literature searches and reviews
- Extracting and synthesizing data from literature into comprehensive databases
- Participating in preparatory meetings and conference calls
- Assisting the One Health Office with the preparation for upcoming One Health coordination calls
- Compiling information and data from new research to present to state and federal partners

Required Skills:

- Flexible, adaptable, and independent worker
- Detail-oriented, dedicated, and responsible
- Background or interest in zoonotic diseases, One Health, global health
- Ability to work in fast-paced environment with changing priorities

Preferred Skills:

- Experience conducting literature reviews or literature searches through various databases (PubMed, Web of Science, Scopus, etc)
- Experience and knowledge with PowerPoint software
- Experience in data analysis
- Creating and maintaining electronic filing systems

If you are interested in applying to the Domestic One Health Coordination position, please send a cover letter and resume to Natalie Wendling (pme8@cdc.gov).



Global Zoonotic Disease Burden Databases

The One Health Office manages databases of zoonotic disease burden in humans, animals, and the environment. These databases are utilized for various purposes within the One Health Office, including our [One Health Zoonotic Disease Prioritization Process \(OHZDP\)](#) to provide countries with updated data to make informed decisions. Student(s) would be supporting the updating and development of databases for global and regional zoonotic disease burden.

Responsibilities for the student(s) include but are not limited to:

- Conducting literature and data reviews on zoonotic disease to collect specific data
- Extracting and synthesizing data from literature into comprehensive databases
- Participating in preparatory meetings and conference calls
- Assisting the One Health Office with the preparation for upcoming OHZDP workshops
- Assisting in compiling information and data from stakeholders to be included in final workshop reports

Required skills:

- Detail-oriented, dedicated, and responsible
- Flexible, adaptable, and independent worker
- Background or interest in zoonotic diseases, One Health, global health
- Ability to work in fast-paced environment with changing priorities

Preferred Skills:

- Experience conducting literature reviews or literature searches through various databases (GIDEON, PubMed, Web of Science, Scopus, etc)
- Experience with database development
- Experience in data analysis

If you are interested in applying to the Global Zoonotic Disease Burden Database project, please send a cover letter and resume to Hayley Belles (HBelles@cdc.gov).



One Health Case Study Development

CDC's One Health Office is developing case studies and training and educational materials on One Health topics, including One Health and COVID-19. This summer student would be directly involved in supporting the development of these case studies, starting with the One Health aspects of COVID-19 and the various human-animal-environment interfaces where SARS-CoV-2 has been reported.

Responsibilities for the student(s) include but are not limited to:

- Case Study Development
 - Research and analysis on specified human-animal-environment interfaces
 - Communicating with key subject matter experts within the One Health Office
 - Database research and analysis on coordinated One Health responses
 - Database research and analysis on gaps in educational materials and resources for COVID-19 investigations in animals
 - Drafting the case study and associated materials
- Supporting case study timeline and clearance process

Required skills:

- Detail-oriented, dedicated, and responsible
- Flexible, adaptable, and independent worker
- Background or interest in zoonotic diseases, One Health, global health
- Ability to work in fast-paced environment with changing priorities
- Interest in public health communication and evaluation
- Great communicator and team player

Preferred Skills:

- Background in resource development
- Background in scientific writing
- Experience in data analysis
- Background in COVID-19

If you are interested in applying to the One Health Case Study Development project, please send a cover letter and resume to Hayley Belles (HBelles@cdc.gov).



One Health Rapid Response Team Scoping Review

The One Health Office and the Emergency Response Capacity Team (ERCT) are collaborating on the development of a framework for One Health Rapid Response Teams (OH-RRTs). OH-RRTs are designed to enhance coordination and collaboration between human, animal (domestic and wildlife), and environmental health sectors to effectively respond to zoonotic diseases and other One Health threats. The One Health Office is conducting a scoping literature review and document review of existing OH-RRTs and One Health response efforts to provide insight and understanding on best practices for how to incorporate One Health into emergency response infrastructure and RRT programs. Students will be supporting the scoping review efforts to provide insight on the development and framework of OH-RRTs.

Responsibilities for the student(s) include but are not limited to:

- Searching for and access publications and literature through various databases (PubMed, Web of Science, Scopus, etc)
- Analyzing and evaluating data and publications to determine which literature makes a noteworthy contribution to the topic of interest
- Writing coherent narrative that synthesizes the sources found, read, and analyzed
- Participating in preparatory meetings and conference calls
- Communicate and present findings to One Health Office staff

Required skills:

- Detail-oriented, dedicated, and responsible
- Flexible, adaptable, and independent worker
- Background or interest in zoonotic diseases, One Health, global health, emergency response
- Ability to work in fast-paced environment with changing priorities

Preferred skills:

- Experience conducting literature reviews or literature searches through various databases (PubMed, Web of Science, Scopus, etc)
- Experience with database development
- Experience in data analysis

If you are interested in applying to the One Health Rapid Response Team Scoping Review project, please send a cover letter and resume to Italo Zecca (IZecca@cdc.gov).



One Health Office Research and Data Analytics Summer Intern

One Health recognizes that the health of people is connected to the health of animals and our shared environment. A One Health approach encourages collaborative efforts of many experts (like epidemiologists, ecologists, laboratorians, physicians, and veterinarians) working across human, animal, and environmental health to improve the health of people and animals. CDC's One Health Office is working on a variety of projects and collaborations both domestically and internationally.

The student will help support the CDC's One Health Office in various research activities including, but not limited to:

- Supporting and assisting with both COVID-19 and non-COVID-19 projects for the office
- Collecting and synthesizing data from research articles, literature reviews, and surveillance reports
- Managing, cleaning, analyzing databases
- Supporting the One Health Office in any other needed capacity including things like attending meetings, drafting content for One Health Office needs, and assisting with larger projects.

Required Skills:

- Have a background or interest in at least one of the following areas: One Health, zoonotic diseases, animals, ecology
- Be able to work in fast-paced environment with changing priorities
- Be a flexible, adaptable, responsible, and independent
- Be detail oriented and a self-starter
- Be able to work with minimal supervisory oversight

Preferred Experience in at least one of the following areas:

- Searching preprint and publication servers for science relevant to our work; summarizing and presenting scientific findings
- Database development, cleaning, and management
- Data analytics (e.g., mathematical or statistical modelling)
- Data visualizations
- Familiarity with R statistical programming language and RStudio
- Programming code or using macros in Microsoft Excel

We are looking for a student who can work between **20 and 40 hours** per week over the summer.

If interested, please send your CV, cover letter, and hours you are able to volunteer to Amanda Liew (pnx6@cdc.gov).



One Health Resource Repository

CDC's One Health Office collaborates with many partners both domestically and internationally to provide technical assistance, including supporting requests for One Health educational materials and resources. The One Health Office works with zoonotic disease subject matter experts at CDC to respond to these inquiries. This summer student will be involved in organizing and managing a resource repository database of CDC developed One Health resources and supporting the development of new One Health resources.

Responsibilities for the student(s) include but are not limited to:

- Managing a resource repository database
- Analyzing current resources available and identifying gaps
- Communicating with subject matter experts at CDC
- Developing new resources for zoonotic disease education
- Assessing requests from partners and identifying gaps and needs
- Assessing next steps from past One Health Office activities and identifying resources and materials to share with partners
- Supporting the One Health Office in any other needed capacity including things like attending meetings, drafting content for One Health Office needs, and assisting with larger projects.

Required skills:

- Detail-oriented, dedicated, and responsible
- Flexible, adaptable, and independent worker
- Able to communicate clearly and professionally with many different audiences
- Background or interest in zoonotic diseases, One Health, global health
- Ability to work in fast-paced environment with changing priorities
- Interest in public health communication and evaluation
- Great communicator and team player

Preferred Skills:

- Experience in data management
- Experience in data analysis
- Background in resource development
- Background in zoonotic diseases

If you are interested in applying to the One Health Resource Repository project, please send a cover letter and resume to Hayley Belles (HBelles@cdc.gov).



One Health Responses to Environmental and Natural Disasters Scoping Review

Strategic emergency responses to environmental and natural disasters are crucial to prevent the spread of diseases among vulnerable populations. As a result of catastrophic events created by environmental and natural disasters, humans and animals are displaced, food crops are affected, and water sources become contaminated - all of which can increase the risk of zoonotic disease transmission. CDC's One Health Office is conducting a scoping literature review and document review of existing One Health response efforts to environmental and natural disasters. Students will be supporting the scoping literature review on One Health responses to environmental and natural disasters

Responsibilities for the students include but are not limited to:

- Searching for and access publications and literature through various databases (PubMed, Web of Science, Scopus, etc)
- Analyzing and evaluating data and publications to determine which literature makes a noteworthy contribution to the topic of interest
- Writing coherent narrative that synthesizes the sources found, read, and analyzed
- Participating in preparatory meetings and conference calls
- Communicate and present findings to One Health Office staff

Required skills:

- Detail-oriented, dedicated, and responsible
- Flexible, adaptable, and independent worker
- Background or interest in zoonotic diseases, One Health, global health, emergency response
- Ability to work in fast-paced environment with changing priorities

Preferred skills:

- Experience conducting literature reviews or literature searches through various databases (PubMed, Web of Science, Scopus, etc)
- Experience with database development
- Experience in data analysis

If you are interested in applying to the One Health Responses to Environmental and Natural Disasters Scoping Review project, please send a cover letter and resume to Italo Zecca (IZecca@cdc.gov).