



STATE OF COLORADO  
invites applications for the position of:

# Health Professional III - Medical Entomologist (Term Limited)

A residency waiver has been granted for this announcement.  
Applications will be considered from residents and non-  
residents of Colorado.

**CLASS TITLE:** HEALTH PROFESSIONAL III

**LOCATION:** Denver Metro, Colorado

**PRIMARY PHYSICAL WORK ADDRESS:** 4300 Cherry Creek Drive South, Denver, CO 80246

**SALARY:** \$4,646.00 - \$6,802.00 Monthly

**FLSA STATUS:** Exempt; position is not eligible for overtime compensation.

**OPENING DATE:** 10/25/21

**CLOSING DATE:** 11/08/21 11:59 PM

**JOB TYPE:** Full Time

**DEPARTMENT INFORMATION:**



**COLORADO**  
Department of Public  
Health & Environment

Remote working potential within the State of Colorado.

We are committed to increasing the diversity of our staff and providing culturally responsive programs and services. Therefore, we encourage responses from people of diverse backgrounds and abilities.

**Although the full salary range for this position is provided, appointments are typically made at or near the range minimum.**

**This is a term-limited position. Funding cannot be guaranteed beyond June 30, 2024. The incumbent in this position must be willing and able to resign on this date or when funds run out, whichever comes first.**

**Be BOLD and make a real difference . . .**

Do you desire a career that provides you with opportunities to improve the world around you? The Colorado Department of Public Health and Environment (CDPHE) is seeking diverse individuals from all backgrounds to apply for a position that makes a direct impact on improving the lives of Coloradans. Our mission is to advance Colorado's health and protect the places we live, work, learn, and play. Our vision is to create a healthy and sustainable Colorado where current and future generations thrive.

If your goal is to build a career that makes a difference, consider joining the dedicated people of the Colorado Department of Public Health and Environment. Our tobacco-free campus offers free parking and is conveniently located near RTD bus lines, Glendale City Set, and the Cherry Creek bike path. In addition to a great location and rewarding, meaningful work, we offer:

- Employee wellness programs and facilities
- Extensive internal professional development opportunities on a wide variety of subjects
- Bike to work programs, including access to storage lockers and bike racks
- Distinctive career advancement opportunities throughout the State system
- Strong, yet flexible [retirement benefits](#) including a choice of the PERA Defined Benefit Plan or the PERA Defined Contribution Plan, plus optional 401K and 457 plans
- [Medical and dental health plans](#)
- Paid life insurance
- Short- and long-term disability coverage
- 10 paid holidays per year plus generous personal time off
- Mentoring program with opportunities for mentors and mentees
- Tuition assistance for college level courses including Masters degree programs
- Excellent work-life programs, such as flexible schedules, and
- A variety of employee resource groups

Some positions may qualify for the Public Service Loan Forgiveness Program. For more information, go to: <https://studentloans.gov/myDirectLoan/pslfFlow.action#!/pslf/launch>

**DESCRIPTION OF JOB:**

**The Work Unit:**

The **Colorado Department of Public Health and Environment** serves Coloradans by providing

high-quality, cost-effective public health and environmental protection services that promote healthy people in healthy places. Staff members focus on evidence-based best practices in the public health and environmental fields and play a critical role in educating people in Colorado so they can make informed choices. In addition to maintaining and enhancing our core programs, the department continues to identify and respond to emerging issues affecting Colorado's public and environmental health.

The **Division of Disease Control and Public Health Response (DCPHR)** is the department's lead surveillance, planning and response arm for public events including communicable disease outbreaks and epidemics, pandemics, bioterrorism, and other public health and mass casualty events and disasters. The division includes the **Office of Emergency Preparedness and Response; State Public Health Laboratory; Communicable Disease Branch; Immunization Branch; Public Health Informatics, Reporting, and Refugee Branch;** and **Operations Branch.** The Division exists to ensure that the Department has the ability to effectively prepare for, monitor, detect, diagnose, investigate, and nimbly respond to all types of conditions, events and disasters that impact the public's health.

### **The Position:**

The purpose of this position is to serve as an authority in the agency on vector-borne disease surveillance, education and vector control. In this capacity, the position collects and identifies medically important arthropods and arachnids within the state, conducts field investigations in response to cases of disease or outbreak suspicion, and provides training on vectors, other arthropods, disease information and the use of pesticides to control vectors. The position also works with professionals at universities in the state, other state agencies, and local public health agencies (LPHAs) to coordinate surveillance activities and to assist in training in vector control.

#### Arthropod-borne Disease Surveillance

- Works with local public health agencies and other county partners to monitor and provide advice on arthropod-surveillance.
- Monitors surveillance data to detect potential clusters and outbreaks of arthropod-borne disease.
- Cleans databases and works with others to ensure timely and accurate data sharing with partners (LPHAs, CDC, CDA, and others).
- Works with partners to determine what kind of surveillance should be done (mosquito, bird, other).
- Helps determine if samples should be submitted for testing for specific diseases such as West Nile virus or Western Equine Encephalitis.
- Monitors available data and historic trends to determine if anything unusual is happening that may increase human disease risk.

#### Consultation and Education

- Provides consultation, training, and education to local public health and environmental health agencies, municipal leaders, other state government agencies, private sector industries, mosquito control districts, and the public on arthropod-borne disease surveillance and control, mosquito control program effectiveness assessment, pesticide regulatory

issues, pesticide use safety, and other field safety. Produces written reports and oral presentations, and assists with content of news releases. Teach tick, flea, and mosquito biology, ecology, identification, and surveillance techniques relevant to endemic and emerging infectious disease to local health agencies and other stakeholders. Identify, using a microscope, arthropods of public health importance.

- Provide consultation to local government leaders on how to set up a municipal mosquito control program that protects public health from mosquito-borne diseases and addresses pesticide safety issues, political concerns, and public perceptions about pesticides through education. Provide species identification of mosquitoes, ticks, fleas, kissing bugs and flies by request from local environmental health agency or the general public.

#### Data Analysis and Interpretation

- Analyzes, interprets and summarizes surveillance data and data from special studies. Summarizes and disseminates surveillance data, communicable disease branch web page, other departmental reports, oral presentations, and publication in public health literature, as appropriate.
- Chooses appropriate scientific methods from experience, formal academic training, and other published scientific papers to develop tables with age-specific rates of disease incidence for reportable zoonotic conditions in Colorado.

### **MINIMUM QUALIFICATIONS, SUBSTITUTIONS, CONDITIONS OF EMPLOYMENT & APPEAL RIGHTS:**

#### **MINIMUM QUALIFICATIONS:**

To be considered for this position, you must meet one of the following options for consideration.

#### **Option 1:**

Bachelor's degree from an accredited institution in Biology, Public Health, medical entomology, chemistry or other closely related field.

#### **AND**

Two years of professional experience in an occupational field related to the work assigned to the position.

#### **OR:**

#### **Option 2:**

Six (6) years of professional experience in vector borne disease surveillance, public health, data analysis, communicable disease, entomology, or other closely related experience.

#### **OR:**

**Option 3:**

Master's degree in biology, biostatistics, ecology, medical entomology, or other closely related field.

**This experience must be substantiated within the Work Experience section of your application. "See Resume" will not be accepted. In addition, part-time work will be prorated. A copy of your transcript must be submitted at the time of application (Unofficial transcripts are acceptable.)**

**PREFERRED AND ESSENTIAL COMPETENCIES:**

**The preferred experience, competencies and abilities are highly desirable for this position and will be considered in selecting the successful candidate.**

- Experience with disease surveillance systems (human, animal and mosquito)
- Master's degree in biology, ecology, entomology or a related science field.
- Knowledge of the principles and practices of integrated pest management, biological control, vector-borne disease biology and control, and vector prevention
- Knowledge and experience with ecology and entomology
- Knowledge of pesticide chemistry, safety, toxicology, regulations, field applications and their environmental effects
- Excellent skills with record keeping, map reading, and principles of composition and report writing
- Experience with statistical analysis
- Ability to read, understand, interpret, evaluate and apply laws, policies, rules, regulations, contracts, guidelines, and literature of the profession
- Experience in gathering, analyzing, interpreting and presenting data effectively, and preparing clear and concise reports
- Demonstrated ability to communicate effectively, both orally and in writing, with individuals, groups, and diverse audiences
- Demonstrated ability to establish and maintain good working relationships with those contacted in the course of business
- Excellent organizational skills and attention to detail

**Conditions of Employment:**

Pursuant to CDPHE policy, a criminal history background check is required for all positions at CDPHE.

**Effective September 20, 2021, this position will require documented proof of full COVID-19 vaccination.** New employees will be required to provide attestation to their status with proof of vaccination upon hire. Religious and medical exemptions and reasonable accommodation shall be addressed as required by law pursuant to the Equal Employment Opportunity Commission's vaccination guidance.

Note: Fully Vaccinated means two (2) weeks after a second dose in a two-dose series of the COVID-19 vaccine, such as the Pfizer or Moderna vaccine, or two (2) weeks after the single-dose vaccine, such as Johnson & Johnson's Janssen vaccine, as defined by the State of Colorado's Public Health Order and guidance issued by the Colorado Department of Public Health & Environment.

Critical Status: Must be available in the event of an emergency, (e.g., bio-terrorist attack, chemical attack, disease outbreak or all hazards) and be required to report to work immediately at the regular or alternate location. During this time, travel restrictions may be in place.

Critical Status: Must be available in the event of the activation of the Continuity of Operations Plan (COOP) and be required to report to work immediately at the regular or alternate location. During this time, travel restrictions may be in place.

**APPEAL RIGHTS:**

If you receive notice that you have been eliminated from consideration for this position, you may file an appeal with the State Personnel Board or request a review by the State Personnel Director.

An appeal or review must be submitted on the official appeal form, signed by you or your representative. This form must be delivered to the State Personnel Board by email ([dpa\\_state.personnelboard@state.co.us](mailto:dpa_state.personnelboard@state.co.us)), postmarked in US Mail or hand delivered (1525 Sherman Street, 4th Floor, Denver CO 80203), or faxed (303.866.5038) within ten (10) calendar days from your receipt of notice or acknowledgement of the department's action.

For more information about the appeals process, the official appeal form, and how to deliver it to the State Personnel Board; go to [spb.colorado.gov](http://spb.colorado.gov); contact the State Personnel Board for assistance at (303) 866-3300; or refer to 4 Colorado Code of Regulations (CCR) 801-1, State Personnel Board Rules and Personnel Director's Administrative Procedures, Chapter 8, Resolution of Appeals and Disputes, at [spb.colorado.gov](http://spb.colorado.gov) under Rules.

**SUPPLEMENTAL INFORMATION:**

**A complete application packet must include:**

1. A completed State of Colorado application.
2. A cover letter that describes how your experience aligns with the minimum and preferred qualifications of this position.
3. If using education to qualify, a copy of your college/university transcripts. Transcripts must be attached to your [colorado.gov/jobs](https://colorado.gov/jobs) application.
4. If you are a veteran, a copy of your DD214 attached to your [colorado.gov/jobs](https://colorado.gov/jobs) application.

**The Selection Process:**

1. All applications that are received by the closing of this announcement will be reviewed against the Minimum Qualifications in this announcement. Candidates who meet the minimum qualifications proceed to the next step.
2. Colorado Revised Statutes require that state employees are hired and promoted based on merit and fitness through a comparative analysis process.
  - Part of, or all of, the comparative analysis for this position may be a structured application review, which involves a review of the information you submit in your application materials by Subject Matter Experts (SMEs) against the preferred qualifications.
3. A top group, up to six candidates, will be invited to schedule an interview with the hiring manager.

E-Verify: CDPHE uses e-Verify, an Internet-based system, to confirm the eligibility of all newly hired employees to work in the United States. Learn more about [E-Verify](#), including your rights and responsibilities.

You must be legally eligible to work in the United States to be appointed to this position. CDPHE does not sponsor non-residents of the United States.

**ADAAA Accommodations:**

The State of Colorado believes that equity, diversity, and inclusion drive our success, and we encourage candidates from all identities, backgrounds, and abilities to apply. The State of Colorado is an equal opportunity employer committed to building inclusive, innovative work environments with employees who reflect our communities and enthusiastically serve them. Therefore, in all aspects of the employment process, we provide employment opportunities to all qualified applicants without regard to race, color, religion, sex, disability, age, sexual orientation, gender identity or expression, pregnancy, medical condition related to pregnancy, creed, ancestry, national origin, marital status, genetic information, or military status (with preference given to military veterans), or any other protected status in accordance with applicable law. The Colorado Department of Public Health and Environment is committed to the full inclusion of all qualified individuals. As part of this commitment, our agency will assist individuals who have a disability with any reasonable accommodation requests related to employment, including completing the application process, interviewing, completing any pre-employment testing, participating in the employee selection process, and/or to perform essential job functions where the requested accommodation does not impose an undue hardship. If you have a disability and require

reasonable accommodation to ensure you have a positive experience applying or interviewing for this position, please direct your inquiries to our ADA Coordinator at [cdphe.humanresources@state.co.us](mailto:cdphe.humanresources@state.co.us) or call 303-692-2060, option 5.

**HOW TO APPLY:** Thank you for your interest. Submit an on-line application by clicking the link below or submit a State of Colorado Application for Announced Vacancy and all supplemental questions according to the instructions provided below. Failure to submit a complete and timely application may result in the rejection of your application. Applicants are responsible for ensuring that application materials are received by the appropriate Human Resources office before the closing date and time listed above.

**IF NOT APPLYING ON-LINE, SUBMIT APPLICATION TO:**

Colorado Department of Public Health and Environment ATTN: HR/Is 4300 Cherry Creek Drive South, Denver, CO 80246

**DEPARTMENT CONTACT INFORMATION:**

[laura.swann@state.co.us](mailto:laura.swann@state.co.us)

**METHODS OF APPOINTMENT:** Appointment to the vacancy or vacancies represented by this announcement is expected to be from the eligible list created. However, at the discretion of the appointing authority, the position(s) may be filled by another method of appointment for a valid articulated business reason.

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APPLICATIONS MAY BE FILED ONLINE AT:  
<http://www.colorado.gov/jobs>

Position #FAA#01527-10/2021  
HEALTH PROFESSIONAL III - MEDICAL ENTOMOLOGIST  
(TERM LIMITED)  
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THE STATE OF COLORADO IS AN EQUAL OPPORTUNITY EMPLOYER.

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**Health Professional III - Medical Entomologist (Term Limited) Supplemental Questionnaire**

- \* 1. CDPHE-A pre-employment criminal background check will be conducted as part of the selection process. Felony convictions or conviction of crimes of moral turpitude or convictions of misdemeanors related to job duties may disqualify you from being considered for this position. Should your background check reveal any charges and convictions, it is your responsibility to provide the Colorado Department of Public Health and Environment Human Resources office with an official disposition of any charges. Conviction does not mean automatic disqualification and will be assessed on a case-by-case basis. As a condition of employment, are you willing and able to submit to a background check if offered the position.



Yes  No

- \* 2. CDPHE-This is a term-limited position and employment cannot be guaranteed beyond June 30, 2024. Do you accept this condition of employment?

Yes  No

3. CDPHE: This position requires educational transcripts be submitted if you are using education to meet the minimum qualifications for this position or using education for the substitution of education for some experience. If you are using education to meet the minimum qualifications or substitution for this position, a copy of your unofficial (or official) transcript is required by the application deadline. You must attach this transcript to your application electronically.

- \* 4. CDPHE: If you are a current or previous State of Colorado classified employee, please provide your Employee Identification Number (EID) in order to verify your current or previous employment. Your EID begins with 997 and is nine digits long. Please do not enter your Social Security Number.

- \* 5. Describe your experience in the fields of vector control and/or investigation of vector-borne diseases.

- \* 6. Describe, in detail, your experience conducting arthropod or other public health surveillance.

- \* 7. Please describe your knowledge of diseases transmitted by arthropods.

- \* 8. Please describe your experience providing guidance, training and consultation regarding vector borne diseases to public health and environmental agencies.

- \* 9. Please describe your experience in performing data analysis.

\* Required Question

