



CARE KENYA – Water Quality Research Intern

Job category: Research and Innovation

Reports to: Project Manager

Duty Station: Kisumu Kenya, with field visits in Migori, Siaya, and Busia

Contract type: Intern.

Contract level: Intern.

Contract duration: 6 months.

Application period: June 2024

BACKGROUND

CARE is an international NGO with local staff and community partners in 100 countries. We create local solutions to poverty and inequality, and we seek dignity for everyone every day and during times of crisis. These solutions have a broad range, from disaster response to food and nutrition to education and work for women and girls to healthy mothers and children. CARE puts women and girls at the center of everything we do because when they have equal access to resources, they lift their families and communities out of poverty. Our staff lives where they work, which makes us effective at understanding the challenges they face. We've been doing this for 75 years since World War II. It started with the world's first CARE Package® of food for the post-war hungry in Europe. Our work today is as important as ever, we believe that poverty and inequality are historic injustices that we can end within a generation, for good. If you share our core beliefs: poverty is an injustice; poverty is solvable; and together, we have the power to end it. Therefore, CARE through multiple donors, and private and member partners strives to achieve this vision through different projects.

CARE International in Kenya through the Children Safe Drinking Water (CSDW) program has been promoting approaches to accessing safe drinking water and hygiene services in schools, health facilities, and households in the counties of Siaya, Busia, Migori, and Kisumu. The overall goal of CARE's CSDW program is to improve household water quality and safety for communities affected by water-related stressors and shocks. This is primarily accomplished through water quality and hygiene-focused programming in chronic and acute emergency response needs by distributing point-of-use (POU) products and complementary water safety and hygiene social behavior change.

In its efforts to foster sustainable water treatment solutions, the program in collaboration with the University of California, Berkeley has been piloting a passive inline chlorination technology called Venturi Passive Chlorinators in selected healthcare facilities in Kisumu, Migori, and Busia Counties with a long-term goal of scaling the adoption of Venturi devices as an option for health facility and communal level water treatment solution.



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Based on the pilot installation results, the program has rolled out the second phase of its collaboration with the University of California, Berkeley, Remit Kenya, and Davis & Shirtlift. The program’s deliverables in this second phase include:

- Leading negotiations with national and relevant county government departments
- Lead stakeholder “Venturi scaling” road map and progress review meetings.
- Pilot intervention activities, support and collaborate with Berkeley to produce a draft implementation guide for Venturi installations at healthcare facilities.
- Support Venturi cost modeling.
- Lead in facilitating targeted national and county-level stakeholder dialogue workshops/forums on the Venturi trial design and impact evaluation.
- Support Venturi mass installation and monitor device installation/functionality status, device efficacy, and utilization.
- Develop user satisfaction feedback for healthcare facilities.
- Support collection and analysis of data on gendered patterns in use and perceptions of Venturi and electro-chlorination devices.

JOB SUMMARY & PURPOSE:

The CARE Kenya’s Internship Program offers recent graduates an opportunity to gain hands-on experience with CARE. Interns at CARE International in Kenya get experiential learning opportunities in the humanitarian and development sector to contribute to a meaningful internship experience that will support their academic, professional, and personal development.

We are seeking a motivated and detail-oriented Water Quality Research Intern to join our team. Under the supervision of the Project Manager, the Water Quality Research Intern will contribute to the passive inline chlorination Evaluation and Operation research and learning agenda and gain valuable experience in a multicultural environment.

The successful candidate will have a strong understanding of water quality and supply principles, attention to detail, and excellent communication skills.

II. ROLES AND RESPONSIBILITIES

RESPONSIBILITY 1:

Technical and operational support for the installation, operations & maintenance (O&M), testing, and scaling of passive chlorination systems -40%

- Support site and context screening to identify optimal sites for installation of Venturi passive chlorinators, including field visits, data collection on water system type, and configuration; surveys/questionnaires; and microbial, chemical, and physical water quality testing.
- Support routine validation, sharing, and analyzing data from site selections, water quality, operational performance, and user feedback using the Survey CTO platform.



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- Support installation and routine maintenance (e.g. for chlorine refills), and routine monitoring (e.g., for water quality, functionality, and user feedback) of Venturi passive chlorinators at institutional settings.
- Support Venturi cost modeling.

RESPONSIBILITY 2: Advocacy, community engagement and Communication -20%

- Support Lead in facilitating targeted national and county-level stakeholder dialogue workshops/forums on the Venturi trial design and impact evaluation.
- Support Venturi mass installation and monitor device installation/functionality status, device efficacy, and utilization.

RESPONSIBILITY 3: Representation, Liaison, and networking with other collaborators - 20%

- Support stakeholder engagement, training, and socialization around centralized water treatment and chlorination (e.g. with health workers, teachers, water management committees, and private sector partners) to support community entry points, private sector interest, and expansion of installation sites.
- Support negotiations with national and relevant county government departments.

RESPONSIBILITY 4: Research and documentation, monitoring, evaluation, and data analysis - 15%

- Support collection and analysis of data on gendered patterns in use and perceptions of Venturi and electro-chlorination devices.
- Support the development of the Venturi user satisfaction feedback tool for healthcare facilities.
- Support Pilot intervention activities, support and collaborate with Berkeley to produce a draft implementation guide for Venturi installations at healthcare facilities.

Other Responsibilities as assigned -5%

- Keep up to date with CARE's emerging strategies and approaches and contribute proactively towards implementation. Take responsibility for ensuring personal safety and security, giving due care and consideration to the impact of personal decisions on the safety and security of others.

AUTHORITY:

1. Spending Authority: None
2. Supervision: None
3. Decision Making:



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QUALIFICATIONS:

- Completed Diploma in water supply, water quality, environmental health sciences, community development, and any other related qualifications.
- Knowledge of research ethics principles
- Strong analytical and problem-solving skills and attention to detail and accuracy
- Strong communication and interpersonal skills and the ability to work in a multicultural professional environment.
- Ability to work independently and as part of a team.
- Proficient in Microsoft Excel and Word.
- Work experience is not a requirement.
- The research Ethics course will be an added advantage.
- Competencies: Good report-writing skills, data collection, and analysis, Computer Literacy

CONTACTS/KEY RELATIONSHIPS (internal & external):

This role is expected to establish and maintain open, professional, and cordial relations with COs’ internal and external customers. These include and are not limited to.

- Program teams,
- Program support teams,
- Government workers
- Community representatives
- Vendors

WORKING CONDITIONS:

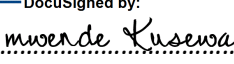
90% time in the field and 10% time in the main office/Kisumu office

CARE is an Equal Opportunity Employer promoting gender, equity, and diversity.

Approved by:

Name:

Designation:

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Date:



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