



# Certificate in Conflict Medicine

Mode of delivery: Online Asynchronous



## Certificate Description

The **Online Certificate in Conflict Medicine** was developed by the Global Health Institute at the American University of Beirut, in partnership with R4HC Consortium.

The Certificate in Conflict Medicine employs a contextualized approach to explore how medical care and research can be shaped and undertaken in settings of conflict and fragility.



## Certificate Competencies

A learner who successfully completes the certificate in conflict medicine would be able to:

Identify the principles and concepts of conflict medicine in contemporary wars

---

Demonstrate an understanding of health determinants in conflict settings

---

Describe how conflict reshapes healthcare delivery in affected populations

---

Design and apply qualitative and quantitative research methods in the context of a conflict setting

---

Recognize the ethical and security implications when conducting research in conflict settings

---

Demonstrate an in-depth understanding about one of the major challenges faced in conflict: cancer research, diseases, management of wounds and injuries.

# Certificate Structure

The Certificate in Conflict Medicine tackles the major themes in conflict medicine and health. All certificate courses require 30 hours to complete. To obtain the certificate, each learner must complete a total of four courses:



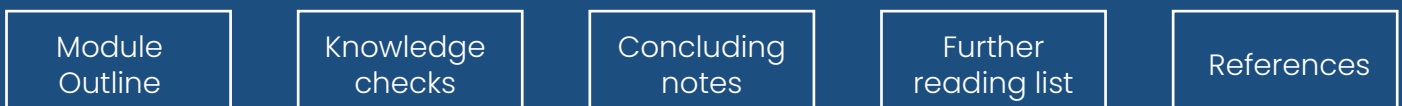
The certificate is designed for medical and nursing students, medical trainees, medical practitioners, nurses, and other allied health professionals.

## Courses Components

Each certificate **course** includes the following components:



Each course **module** includes the following components:



## Introduction to Conflict Medicine



### Course Aims

This course equips learners with the basic conceptual knowledge in conflict medicine, which combines the medicine and philosophy disciplines. The course touches on how conflicts and their corresponding ecologies of war impact individual and population health.

### Topics Covered

The course begins with a deep dive into the causes and trends of conflict. It then discusses the actors involved in conflict and humanitarian action, as well as the laws and norms that seek to define and guide these actors. This is coupled with a more explicit health focus that covers topics such as political economy of health, marginalized communities, food security, health systems in conflict, and trauma and social wounds, all in the context of conflict.

### Competencies

Learners completing this course will be able to:

1. Demonstrate the ability to identify key theories and concepts related to conflict and forced migration
2. Identify the major actors, their roles, and their interconnectedness in settings of conflict and fragility
3. Recognize the impact of conflict on health from a systems and community perspective
4. Recognize the importance of addressing psychological trauma and social wounds in conflict

# Medical Care and Knowledge in Conflict



## Course Aims

This course equips learners with in-depth knowledge about the landscape, needs, and challenges around providing medical care at times of conflict.

## Topics Covered

The course introduces learners to the nature and challenges around acute and emergency care and interventions at times of conflict. The course also reviews the role of healthcare staff and associated innovations, driven by the settings of conflict. The course then moves to address the major clinical conditions and diseases that may be encountered by healthcare providers, public health practitioners, or policy makers in conflict settings. Finally, the course highlights the challenges related to clinical care of vulnerable populations such as women, children, the elderly, persons with disabilities, and health providers.

## Competencies

Learners completing this course will be able to:

1. Understand the acute and emergency care measures performed at the scene of injury
2. Recognize the challenges of providing medical care at times of conflict
3. Address the major types of injuries, clinical conditions and diseases at the time of conflict
4. Demonstrate the need for clinical care of specific populations at the time of conflict

# Health Research Methods in Conflict



## Course Aims

This course highlights the complexities of conducting research in conflict, including research organization, access, data collection and ethics. It also touches on developing and addressing scientific inquiries, strengthening the learner's ability to design and implement contextualized quantitative and qualitative research studies in conflict settings.

## Topics Covered

The course introduces learners to the types, challenges and considerations of conducting research in settings of conflict. The course also touches on the basic principles and considerations of qualitative and quantitative research methods in conflict settings.

## Competencies

Learners completing this course will be able to:

1. Discuss the concepts, challenges, importance, and enablers of medical research in conflict
2. Demonstrate the needed conceptual understanding to undertake quantitative research studies in conflict settings
3. Demonstrate the needed conceptual understanding to undertake qualitative research studies in conflict settings



# War Wounds



## Course Aims

This course provides an in-depth description of the clinical manifestations and management strategies of war wounds and associated complications.

## Topics Covered

The course starts with describing the classification and mechanism of wounds. Then, it discusses the surgical management of wounds, delayed primary closure and skin grafting processes. The course also touches on the triggers and challenges in the management of neglected or mismanaged wounds along with the factors affecting wound infection. Finally, the course addresses the pathology, management, care and closure of burn injuries.

## Competencies

Learners completing this course will be able to:

1. Understand the classification procedures and the mechanisms of war wounds
2. Explain the surgical management of war wounds
3. Discuss the need for delayed primary closure, skin graft and flap
4. Understand the triggers and challenges in the management of neglected or mismanaged wounds
5. Discuss the major clinical infections in war wounds
6. Discuss the early/late removal of retained bullets and fragments
7. Explore the pathology, management, care and closure of burn injuries

# Infectious Diseases in Conflict



## Course Aims

This course sheds light on the status, challenges, and needs around infectious diseases in the context of conflict, especially in the Middle East and North Africa region. The course highlights the role conflict plays in re-emergence or spread of infectious diseases.

## Topics Covered

This course provides an overview on the ecology of war and infectious diseases through covering the history and contributing factors of infectious diseases, antimicrobial resistance, sexually transmitted infections (STI) in conflict settings, poor hygiene, and skin infections, along with the basics of infection control practices and challenges in the areas of conflict. It also covers the most common infectious diseases (bacterial, viral, parasitic, and fungal infections) in times of conflict with a particular emphasis on those encountered in the Middle East region. For each described infection, epidemiological data, contributing factors, and clinical manifestations are covered as well as the treatment and prophylaxis measures at both national and international levels.

## Competencies

Learners completing this course will be able to:

1. Understand the interplay between conflict and infectious diseases
2. Understand the impact of conflict on antimicrobial resistance
3. Outline the basics of infection control practices and challenges in the context of conflict
4. Examine wound healing and war wound infection
5. Discuss the microbiology of several infectious diseases (infections with bacterial, viral or parasitic pathogens) with a focus on how they are exacerbated by conflict





## Course Aims

This course examines the basic ethical and methodological concepts related to conducting cancer research in settings of conflict. The course also touches on the enablers and challenges around cancer research, control, prevention and registration in conflict.

## Topics Covered

The course provides an overview of the interplay between conflict and cancer control, prevention, and care provision. The course then moves to address strategies required to tackle contextualized challenges for cancer care and research in conflict settings. Finally, the course touches on the ethical principles governing cancer research and approaches for developing cancer research projects in conflict settings.

## Competencies

1. Understand the interplay between conflict and cancer
2. Discuss how cancer control and prevention are shaped by conflict
3. Discuss the importance, challenges, and enablers of cancer research in conflict
4. Understand the basics of cancer research in conflict settings
5. Address the ethical considerations and cancer research
6. Develop the required knowledge to approach cancer research projects and funding