



Basic Emergency Care: Basic Ambulance Provider (BAP) course

Prehospital approach to the acutely ill and injured

Course Syllabus

BACKGROUND

Emergency care systems (ECS) address a wide range of conditions across the life course, including injury, complications of pregnancy, exacerbations of non-communicable diseases (e.g. heart attacks, strokes), and acute infections (e.g. sepsis, malaria). With sound planning and organization, emergency care systems have the potential to address over half of the deaths in low- and middle-income countries. Essential functions of ECS extend from prehospital care and transport through facility-based emergency unit care to early critical and operative care. WHO has created a suite of prehospital tools for use at the system level and in service delivery across a range of resource settings: the WHO *prehospital toolkit*.

This Basic Emergency Care: Basic Ambulance Provider (BAP) course has been developed to teach essential concepts and skills to basic ambulance providers, with a focus on providing a standardized approach to individuals with acute illness or injury.

The BAP course is part of WHO's suite of prehospital tools, a bundle of products designed to help strengthen prehospital emergency care. These tools aim at addressing commonly identified gaps in the main components of a prehospital system. The toolkit includes:

1. Community First Aid Response (CFAR) course
2. BAP course
3. Prehospital emergency care: operational guidance
4. Referral and transfer guidance
5. Prehospital Emergency care Assessment Tool (PEAT)

BAP COURSE DESCRIPTION

Course goals

The central aim of the BAP course is to enhance the capacity of prehospital emergency providers to provide safe, high-quality care. On completion of this course, participants are expected to:

- Understand the **role of prehospital care within the overall healthcare system** and its impact in decreasing morbidity and mortality.
- Understand all the elements that need to work cohesively for **ambulance service operations** in all settings and situations.
- Identify the **core components of the prehospital care system** while developing expertise in standard prehospital operating procedures.
- Demonstrate expertise in **technical skills** that are essential in various aspects of prehospital care.
- Acquire the needed **knowledge and skills** to provide prehospital emergency care using a standardized approach to the recognition and management of emergency conditions.

Target audience

This course is developed for:

- Individuals who enrol with the intention to complete pre-service training and become registerable in the country as a basic ambulance provider
- Health providers currently staffing ambulances services but who have not received basic prehospital care training
- Health professionals without prehospital experience and who are interested in working in a prehospital emergency care system

Duration

This course is provided in 2 modules with a suggested timeline for a **2-week in-person course**. However, the course modules can be delivered in a distributed manner across a range of times to meet local needs. Module 1 has 30 hours of content and module 2 covers 2-5 full days, depending on the clinical content selected.

COURSE CONTENT

The BAP course uses a practical and systematic approach according to the presenting condition of the patient. The course is divided into an operations module and a clinical module. The clinical block varies according to the scope of practice of basic providers in the local system: this uses either the WHO CFAR course or the WHO/ICRC BEC course.

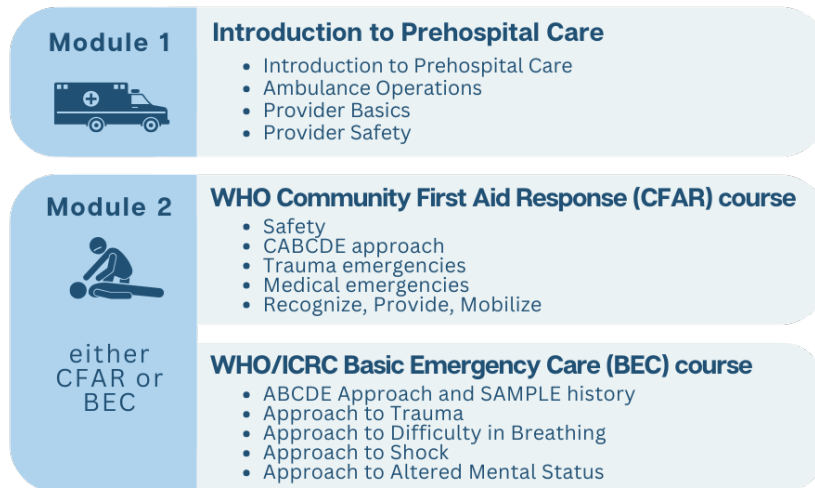


Figure 1. BAP course content

COURSE TEACHING STRATEGIES

The key concepts and skills of this course are presented through the following strategies:

1. **Interactive lectures.** In these lectures, the facilitator will share core concepts relevant to prehospital care. Emphasis will be placed on considerations of the local context and learners' previous experience will be used as the basis for large group discussions.
2. **Small group verbal case discussion sessions.** Learners will be divided into small groups and will discuss real-life cases in a low-stake and high-participation environment. Facilitators will encourage the integration of theory and concepts learned throughout the course.
3. **Skills practice sessions.** A set of core skills will be reinforced throughout the course in the skills sessions. These skills will strengthen learners' ability to undertake safe ambulance operations at the scene and during transport.

Course Materials

We will use the following materials to support learning in this course:

- The course slides will guide sessions and condense learning points and will offer participants information and references related to the topics reviewed.
- The CFAR or BEC course manual and Quick Cards will be used during the clinical module.

COURSE ASSESSMENT

This program will assess participants' learning with the following strategies:

- Participants will complete **pre- and post-course surveys** exploring self-perceived confidence in key course competencies.
- A **pre-course multiple choice quiz** will be completed. This will ensure participants beginning the BAP share a baseline of knowledge.
- A **post-course multiple choice quiz** will aim to assess the knowledge of key course concepts.

SCHEDULE

Week 1					Week 2							
	W1 Day 1	W1 Day 2	W1 Day 3	W1 Day 4		W2 Day 1	W2 Day 2	W2 Day 3	W2 Day 4	W2 Day 5		
08:30	Sign in	Recap & questions	Recap & questions	Recap & questions	08:30	See BEC or CFAR schedule						
08:40												
08:50												
09:00												
09:10					Welcome. Pre-course test.						2.2 EMS Standards and Protocols	2.7 Routine scene operations
09:20	2.3 Medical oversight											
09:30												
09:40												
09:50												
10:00	Break	Break	Break	Break	10:00							
10:10					10:10							
10:20					10:20							
10:30					10:30							
10:40					10:40							
10:50	1.1 Overview & Introduction to prehospital care	4.2 Scene Safety	2.5 Driving, radio communications & mapping	3.3 Communication	10:50							
11:00					11:00							
11:10					11:10							
11:20					11:20							
11:30					11:30							
11:40	1.2 ECS Framework	4.2 Scene Safety	4.3 Patient lifting & moving	2.6 Documentation	11:40							
11:50					11:50							
12:00					1.3 Scope of Practice						3.3 Handover	12:00
12:10												12:10
12:20												12:20
12:30	Lunch	Lunch	Lunch	Lunch	12:30							
12:40					12:40							
12:50					12:50							
13:00					13:00							
13:10					13:10							
13:20	3.1 Professionalism	3.2 Ethics & Medicolegal	4.3 Patient lifting & moving	Post course test	13:20							
13:30					13:30							
13:40					13:40							
13:50					13:50							
14:00					14:00							
14:10	2.1 Anatomy of an emergency call	3.2 Ethics & Medicolegal	4.3 Patient lifting & moving	Discussion	14:10							
14:20					14:20							
14:30					14:30							
14:40					14:40							
14:50					14:50							
15:00	Break	Break	Break	Break	15:00							
15:10					15:10							
15:20					15:20							
15:30					15:30							
15:40					15:40							
15:50	Questions & feedback	2.4 Equipment, consumables & medications	Questions & feedback	Feedback. Closure	15:50							

Course Strategies
Lecture
Small group sessions
Skills / practice