

WHO Infection Prevention and Control Global Unit, Service Delivery and Safety

TERMS OF REFERENCE

Development of eLearning Package for Advanced Infection Prevention and Control (IPC) training modules

Background

In November 2016, WHO IPC Global Unit team launched a guideline document on the “Core Components of IPC programmes at the national and acute health care facility level” (<http://www.who.int/gpsc/ipc-components-guidelines/en/>). These Guidelines were based on a series of systematic reviews on the effectiveness of IPC interventions to reduce healthcare-associated infections (HAIs) and antimicrobial resistance (AMR) and facilitate behavioural change; additionally, they are based on an inventory of currently available IPC national or regional action plans.

This document was a milestone to support country capacity building and plans with regards to IPC strengthening in the context of health systems, preparedness to highly transmissible infections, and action to combat AMR. Uptake of the guidelines by all stakeholders is essential, particularly by those in low-resource settings where there is a disproportionately high burden of HAIs. Implementation of the guidelines in low-resource settings takes the highest priority and will require adaptation and prioritization for successful adoption.

IPC training and education forms one of the eight recommendations of the Guidelines on Core Components of IPC programmes. In September 2016, an IPC workshop of Ministry of Health representatives and relevant stakeholders from across Africa, facilitated by the United States Centers for Disease Control and Prevention (CDC) focused on IPC implementation challenges and opportunities. A strong consensus emerging from the meeting was the need for strengthened training strategies, including the development of standardized training packages for IPC professionals in low-resource settings to support successful implementation and IPC country capacity building.

To address this need, the WHO IPC Global Unit is working to develop advanced IPC training modules. These modules will complement but be different from a basic training package intended for all frontline healthcare workers being developed by Jhpiego in collaboration with CDC. The advanced training content is currently being developed by WHO and a consortium of institutional partners with expertise in the area of advanced IPC training, particularly in low- and middle-income settings. These modules include:

1. Leadership and IPC program management
2. Prevention of catheter-associated blood stream infections
3. Prevention of catheter-associated urinary tract infection
4. Prevention of respiratory tract infections
5. Prevention of infections in surgery
6. Reprocessing of medical devices
7. IPC for outbreak management in health care settings
8. Specific IPC approaches to prevent and control antibiotic resistance
9. Healthcare-acquired infections surveillance
10. Injection safety

After the development of the key content, an eLearning package will need to be adapted using the content from these modules. The advanced IPC training package will also simultaneously be piloted in various ways to further refine the content and delivery.

Objective

The objective of this Terms of Reference (TOR) is to develop an eLearning package for advanced IPC training modules in English and French. Given the scope of this project and workload involved, the team seeks additional technical expertise from a consortium of institutions for content development and technological support.

Planned timeline

This document presents terms of reference (TORs) for approximately four months, from 1 May 2017 to 31 August.

Activities and deliverables

Activity 1: Provide expertise on how to develop the eLearning module from different types of learning formats and mediums to be used for the proposed content provided by training partners.

Deliverable 1: Spreadsheet comparing potential platforms with pros and cons for the advanced IPC training package.

Activity 2: Provide detailed plan for eLearning package for advanced IPC training.

Deliverable 2: Detailed eLearning activity content worksheet.

Activity 3: Develop an eLearning advanced IPC training package based on the content of modules as developed by WHO/partner consortium (as well as feedback from conducted pilots):

1. Leadership and IPC program management
2. Prevention of catheter-associated blood stream infections
3. Prevention of catheter-associated urinary tract infection
4. Prevention of respiratory tract infections
5. Prevention of infections in surgery
6. Reprocessing of medical devices
7. IPC for outbreak management in health care settings
8. Specific IPC approaches to prevent and control antibiotic resistance
9. Healthcare-acquired infections surveillance
10. Injection Safety

Deliverable 3: Full eLearning package consisting of content from aforementioned advanced IPC training modules.

Activity 4: Test modules on all relevant devices, browsers, and mediums.

Deliverable 4: Results summary of testing.

Activity 5: Provide expertise on how to maintain eLearning platform.

Deliverable 5: Maintenance protocol of eLearning platform.

Payment

Payment 1: Completion of key deliverables 1 and 2 by June 15, 2017: 20% of contract

Payment 2: Completion of key deliverables 3 by August 19, 2017: 60% of contract

Payment 3: Completion of key deliverables 4 and 5 by August 31: 20% of contract