

## TERMS OF REFERENCE FOR IMPROVING CANCER CASE MANAGEMENT AMONG HEALTH CARE WORKERS USING AN E-HEALTH APPROACH

### General Information

<b>Project title</b>	Consultancy – Cancer Treatment Protocols e-Health dissemination platform
<b>Work Description</b>	Develop e-Health system requirements, design the e-health solution & develop and roll out the e-health solution
<b>Category</b>	Capacity building
<b>Type of Contract</b>	
<b>Expected start Date</b>	23 <sup>rd</sup> November 2020
<b>Duration</b>	60 Working days for actual delivery - Though sessions may be spread to more days

### 1.0 Purpose of the Consultancy

The overall objective of this assignment is to provide technical support and guidance in development of educational modules and their hosting on an e-learning platform to enable self-paced e-learning by community health volunteers and health care workers in primary health facilities.

### 2.0 Background

Approximately 60% of new cancer cases and 70% of all cancer deaths occur in low and middle income countries (LMICs). Global cancer incidence is expected to double by 2035, with higher increase expected in LMICs. Most LMICs health systems are unprepared to handle cancer and have extreme shortages of cancer treatment specialists. The situation has been further complicated by the COVID-19 pandemic which has inevitably limited access to cancer services across the continuum of care. To mitigate against the effects of COVID-19 on cancer diagnosis, now more than ever, there is need to improve knowledge on cancer to enable early symptom recognition and referral for diagnosis and further management.

In Kenya, cancer is the 3<sup>rd</sup> leading cause of death after infectious and cardiovascular diseases. Estimates by GLOBOCAN indicate that there were 47,887 new cancer cases and 32,987 cancer deaths in Kenya in 2018. The Ministry of Health is implementing the Universal Health Agenda that leverages on a revamped primary health care. To guide cancer case management, the National Cancer Treatment Protocols 2019 were launched. Although primary health care workers are the first point of interaction within the current health system and play a key role in recognition of signs and symptoms, recent studies have shown very low awareness levels among primary health care workers on risk factors, signs and symptoms of cancer. The recent WHO guidelines in COVID-19 lay emphasis on strengthening NCD symptom recognition for primary health care workers in order to enable early referrals for diagnosis and treatment.

### **3.0 TERMS AND CONDITIONS OF THE CONSULTANCY**

The consultant for this assignment is expected to keep into consideration all the government regulations and guidelines in healthcare. Under the stewardship of the NCCP, the tasks of the assignment are to:

- i) Review the National Cancer Treatment Protocols, the Integrated Cancer Curriculum and relevant Policy documents for purposes of guiding development of a business requirements document in e-module design (specifically sections on introduction, risk factors, signs and symptoms and diagnosis and referral into e-content)
- ii) Oversee the overall project design, work-plans and delivery of the dissemination of treatment protocols on e-learning.
- iii) In collaboration with NCCP, provide programmatic support for workshopping for curriculum adaptation and content development with the purpose of delivering content for use on the online platform.
- iv) Provide technical advice towards successful implementation of digitalization process including learner orientations through webinar for TOT training and HCP orientation on the new curriculum
- v) Provide an e-learning platform that will provide access to training for primary health care workers and community health volunteers including self-assessment reports for each participant.
- vi) Continuous troubleshooting to ensure access to the platform is maintained for at least the first two years of the project.
- vii) Provide any other technical guidance to ensure the successful execution of the trainings including support for report summaries on project status.

### **4.0 EXPECTED OUTPUTS / DELIVERABLES**

#### **4.1 Phase One**

1. An inception report detailing the consultant's understanding of the assignment and proposed workplan and methodology to be adopted.
2. System business requirement document detailing the data schemas and use cases
3. System wireframes that show user flow through the system with progress tracking, self-assessment and certification.

#### **4.2 Phase Two**

4. E-content / E-learning platform developed, pre-tested and accepted for roll out to the counties.
5. Android Mobile app availed for access by online learners that can generate self-assessment reports and certificates of completion by trainees
6. Web portal for periodic generation and updating of a database of trained clinicians and self-assessment reports for monitoring and evaluation.
7. Mid-term report and final report at the end of the consultancy

### **4.3 Phase Three**

- 90 Day Warranty support after delivery of first prototype
- After 90 Days, jointly develop a service contract for system upgrade and maintenance with NCCP

### **5.0 LEVEL OF EFFORT AND DURATION OF THE CONSULTANCY**

The consultancy will be for level of effort of 60 days starting 23<sup>rd</sup> November 2020 and expected to complete and submit all deliverables by 24<sup>th</sup> February 2021.

### **6.0 SUPERVISION**

The consultants will report to the Head, National Cancer Control Program but work closely with the NCD Alliance Kenya assigned team member.

The consultants will be required to have regular consultations with the NCCP and NCDAK team and will be expected to work within their own office premises and cover their own travel and internet expenses.

### **7.0 QUALIFICATIONS OF THE CONSULTANT**

Companies must submit CVs of a minimum of four (4) Degree holders in IT, Computer Science of Engineering or related course. Companies must demonstrate not less than five years in the IT market with an individual that has at least four years hands-on expertise in analysis, design and implementation of enterprise level e-health solutions for routine surveillance and research. The company must provide evidence of conducting health informatics assignments in Kenya.

### **8.0 APPLICATION PROCESS**

Interested applicants should email their company profiles and application letter stating their availability and their consultancy fee rate per day to [careers@ncdak.org](mailto:careers@ncdak.org) not later than Friday 16<sup>th</sup> November 2020 1600hrs.

Curriculum Vitae of the consultants indicating scope and magnitude of similar assignments, registration, qualifications and other relevant company statutory documents must also be submitted.

Disclaimer:

The material arising from the contract shall be the property of NCCP and cannot be used without express consent by NCCP