-+

Research Methodology Training for Medical Officers

Introduction
Research is an essential component for improvement of any work environment and service delivery particularly in the health sector. Medical Officers should have updated with evidence-based management to deliver better health care. This program will upgrade the knowledge and skills in research methods; giving opportunity to attend the program with minimum disturbance to the routing activities.

Teaching Methods
The research training program will be delivered as a blended programme with the distance online training. One compulsory workshop and three optional workshops will be delivered in Colombo. Hands on skills will be developed during the contact workshops which will essential for research training. These workshops include essential components for hands on skill development sessions. There are eleven Modules to be completed with referring to online materials. Participants are expected to spend over 4 – 6 hours per week for studying each lesson.

Basic requirements to follow the training program
The program will be opened for Medical Officers and the specialist medical officers, Ministry of Health (free of charge). The program will be delivered in English medium. The program includes the compulsory workshop, optional workshops (Approximately one workshop for a month), online modules and the post test. Those who complete all the components of the program will be given the certificate. Since the participants need to access the online lessons, availability of internet and a personnel computers/laptop/tablet is essential. Skills in handling the computer is an added advantage.

Curriculum of the program and work schedule

Module	Description	Content
1	Introduction to the research methods and research methodology training	Introduction to training on research methodology
		Importance of research
		Selection of suitable research
		Introduction to the research allowance
		Importance of publishing a research
		Steps in research
2	Development of research proposal	Practical aspects of developing a research proposal
		Components of a research proposal
3	Introduction and literature sections of a research proposal	The importance of literature search
		Sources of literature search

		Hands on experience of literature search in electronic data bases
		"introduction" component of a research proposal
4	Research Objectives	Research objectives
		SMART criteria of the research objectives
5	Study designs	to understand the different types of study designs
6	Study population, sampling techniques and study sample	The study population and study sample
		Eligibility criteria
		Sampling techniques
7	Sample size calculation	Importance of sample size calculation
		Theories behind the sample size calculation
8	Data collection tools	Types of data collection tools
		Developing a questionnaire
		Training of data collectors
		Pre-test and pilot study
		Data entry and analysis
		Online and off-line data entry methods
		Developing a data entry format
9	Data analysis	Basic descriptive statistics
		Basic inferential statistics
		Data analysis software
10	Ethics in research	Ethics in research
		Information sheet and the consent form
		Obtain ethical clearance
11	Other logistic arrangement for research	Administrative clearance
		Time frame of the research
		Preparing a budget for the research
12	Publishing the research findings	Opportunities for publishing the research Writing an abstract Importance points for preparation of a research manuscript

Application process and selection

Duly filled and signed applications should be reached the following address on or before **12thJanuary 2021**.

Director – Research
Education, Training and Research Unit
Ministry of Health
No: 385
BaddagamaWimalawansaThero Mawatha
Colombo – 10

Email the scanned copy of the Application to
Directorresearch2019@gmail.com

Application process and selection

Potential applicants should apply by filling the given specimen (Given below) of application through the Head of the Institution/Director with their permission to participate in the workshops. Selection of candidates is a responsibility of Education, Training and Research Unit. Selected candidates will be sent an invitation letter through the Head of the institution/Director and duty leave will granted for participation in the workshops.

Workshop venue and requirements

Workshops will be conducted in Colombo. Participants are expected to bring their own laptops and internet facility (optional) for the successful involvement in the workshops. Workshop venue will be informed.

For more information

Course Organizer
Dr PriyashaWijenayake
Director – Research
Education, Training and Research Unit
Ministry of Health
Tel: 0112675411, 0703296985

Administrative Coordinator
Dr Shalika Chularathne
Medical Officer Informatics
Education, Training and Research Unit
Ministry of Health
Tel: 0112675411, 0713450584

Technical Coordinator
Dr. Sumal Nandasena
Consultant Community Physician
Tel: 0718289349
Email: sumalnandasena@gmail.com

Training Program on Research Methodology
Education Training and Research Unit, Ministry of Health

Name of the applicant …………………………………………………….

Institution……………………………………………………

Position/designation ……………………………………

Contact number: ……………………Mobile No: ……………

Email: …………………………………………

Can you spend 4 - 5 hours per week to study online training sessions from your work station or residence (a computer/laptop and internet is necessary)? Mark "X" in the appropriate box.

Yes ☐   No ☐

Will you able to participate in the following workshops with a laptop? Mark "X" in the appropriate box.
1. 15th January 2020   Yes ☐   No ☐
2. 19th February 2020   Yes ☐   No ☐
3. 19th March 2020   Yes ☐   No ☐

Briefly describe why you need to participate in this training program (benefits to the institution and personnel development)

……………………………………………………………………………………………

……………………………………………………………………………………………

……………………………………………………………………………………………

…………………………………………………

Please forward your application through the Head of the Institution/Regional Director of Health Services
Deputy Director General (Education Training and Research),
Ministry of Health

I recommend …………………………………………. to participate in Training Program on Research Methodology and attend the three workshops scheduled to be at Colombo. He/she will be granted duty leave to participate in this program.

……………………………………………………………..
Head of the Institution/ Regional Director of Health Services
(Please give the full designation)