



About the Institute

The National Institute of Health & Family Welfare is a premier autonomous Institute, funded by the Ministry of Health and Family Welfare, Government of India. It has kept pace with the new thinking and substantially contributed to the health manpower development in the country.

NIHFW serves as an apex 'technical institute' as well as a 'think tank' to promote national health and family welfare programmes in the country through education and training, research and evaluation, consultancy & advisory services, specialized projects, etc.

During the present COVID-19 pandemic situation, NIHFW has taken an initiative to conduct the training courses on the virtual platform. The Department of Epidemiology and Department of Planning & Evaluation of the institute is organizing an online training course on "**Epidemic Preparedness and Management**".



Course Coordinating Team

Course Coordinator : Prof. Jayanta K. Das
Course Co-Coordinator : Prof. Manish Chaturvedi
Course Associate : Dr J.P. Shivdasani
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Last date for sending nomination

11th September, 2020

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Training Course

on
**EPIDEMIC PREPAREDNESS
AND
MANAGEMENT**
(21st – 25th) September, 2020



आरोग्यम् सुखसम्पदा

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Introduction

In today's world we are passing through epidemiological, demographic, environmental and socio-economic transition. Due to cumulative effect of these transitions, countries are facing triple burden of diseases. In spite of the fact that there has been a remarkable achievement in prevention and control of communicable diseases, yet these still continue to remain important public health problems. Because of environmental transition and increased human-animal interface, we are today more vulnerable to emerging infectious diseases.

Early detection, prevention and response is paramount to such public health emergencies. Thus, there is a need of trained manpower at state and district level, who can get into action immediately to detect, prevent and respond to any public health emergency locally without losing any time. Development of this core capacity in the country is one of the requirements under IHR (2005) and Global Health Security Agenda.

A short duration (5 working days) training of Public health professionals, clinicians, microbiologist, veterinary doctors, (IT & Communication experts, if available) at state and district level is developed to enable them to acquire the skills of working as a team to give early warning signals of an impending outbreak and to investigate a disease outbreak and respond by implementing appropriate interventions to contain the outbreak

General Objective

To develop trained manpower at state and district level which will strengthen the surveillance system under Integrated Disease Surveillance Program (IDSP) being implemented in the country for detection and response to outbreak prone diseases as well as planning need based interventions during disaster situation to prevent the occurrence of any disease outbreak.

Specific Objectives

This course will prepare the participants:

- Describe the surveillance system under IDSP.
- Use and interpretation of IDSP data for forecasting or giving an early warning signals of an impending outbreak.
- Conduct outbreak investigations and provide response to contain it.
- Prepare plan to prevent the epidemic of any disease during post disaster period
- Demonstrate risk assessment and risk communication during an outbreak and disaster.
- Laboratory investigation related to epidemic prone diseases.
- Write report of surveillance system and epidemic investi-

Course Contents

- Public Health Surveillance (Definition of public health surveillance, purpose and types of surveillance), case definition, data collection, compilation, data quality, data analysis, data interpretation, data reporting and action taken etc.
- Epidemiology in public health practice
- Surveillance in emergency situation (SHOC)
- IDSP implementation process
- Tools for measuring disease frequency, rate, ratio and proportion
- Outbreak investigation and response
- Report writing
- Feedback
- Risk assessment and risk communication
- Disaster preparedness
- Risk assessment of any outbreak
- Continuous surveillance
- Awareness generation
- Planning of interventions to be implemented

Methodology

The training course will be conducted in online mode through Google meet. Link will be sent to registered participants, the course can then be accessed at specified time using a desktop, laptop or tablet.

Participatory approach will be adopted throughout the course comprising of:-

- **Lecture Discussions:-** Each lecture session of one hour time will be followed by discussion and interaction with the participants.
- **Case Studies:-** Sample case studies will be discussed.
- Report writing as assignments.

Duration

5 days (21st - 25th, September 2020) 3 –4 hours daily.

Course Fee

There will be a course fee of Rs. 5000/- per participant need to be paid through online banking.

Number & Nature of Participants

The participants will be faculty from Medical Colleges, state and district level surveillance officers, programme officers and epidemiologists etc.

Training Outcome

To build capacity of the faculty of the medical colleges and other public health personnel to identify early warning signals of an impending outbreak, investigation of disease outbreak and response for its control