

IARC SUMMER SCHOOL 2021

INTRODUCTION TO CANCER EPIDEMIOLOGY

PART 1

Preparatory work

(including 2 live sessions)

16 hours



4 weeks

17 May – 11 June 2021

PART 2

Live online sessions

30–35 hours



2 weeks

14 – 25 June 2021

Target audience

Cancer epidemiologists, medical doctors, statisticians, students of public health

Goal

This course will focus on the practical application of epidemiological principles and methods to various cancer control activities, mainly targeting the search for the causes of cancer.

Learning Objectives

At the end of this module, and depending on their profile and needs, participants will be able to:

- Critically read most epidemiological papers and apply the results to their work
- Understand the different study designs for research on cancer prevention
- Evaluate the most appropriate study designs to set up epidemiological studies
- Choose the most appropriate analytical methods to evaluate stated hypotheses
- Undertake interpretation of statistical analyses of most epidemiological studies
- Design and perform epidemiological studies

Topics/content

Measures of occurrence and association; Descriptive studies in cancer surveillance and research; Principles of standardization; Cohort, case–control, and cross-sectional study designs; Bias and confounding; Effect modification; Current hot topics in cancer epidemiology; Cancer prevention.