

IARC SUMMER SCHOOL 2025

INTRODUCTION TO CANCER EPIDEMIOLOGY

PART 1

Online

including 4 live sessions

20 hours



4 weeks

12 May-6 June 2025

PART 2

Face-to-face

IARC, Lyon, France

40 hours



5 days

23-27 June 2025

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.

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Important:

It is expected that every participant will **perform all training activities and achieve 100% attendance in each of the live sessions (all starting at 13:00 CEST – check your time [here](#))** as per **Part 1 and 2** details provided below. Full attendance in Part 1 is a condition to be enrolled in Part 2.

Compliance with the programme requirements and **full attendance** are of utmost importance to attain the learning outcomes of the module, mostly based on interaction and collaborative training through group assignments. The IARC Summer School Secretariat must be contacted in case of circumstances beyond control.

Non-attendance can threaten the quality of the training programme. It could lead to the non-issuance of your attendance certificate and to your replacement by one of the applicants placed on our waiting list.

PART 1 - Online - 12 May-6 June 2025

Access to a dedicated online space. Activities will include:

- Watching recorded lectures (approx. 13 hours)
- Attending four live sessions (approx. 5 hours) – 12, 21, 27 May and 5 June at 1pm (CEST)
- Groupwork interaction will be initiated

PART 2 – Face-to-face - IARC, Lyon - 23-27 June 2025

Activities will include:

- Attending day class activities (6-8 hours/day) from Monday to Friday
- Working with members of your group throughout the week and present on the last day
- Attending optional “*Meet the IARC Scientists*” scheduled group appointments
- Participating in other networking and social activities

Programme requirements:

- A suitable computer equipment to study online. You need to be able to play both sound and video. Your device should access the internet through the most stable connection and must be equipped with a webcam and microphone to ensure proper interaction during live sessions.
- Software used include Word, Excel and PowerPoint, PDF viewer, [Zoom](#), [Microsoft Teams](#), and the dedicated online space of the IARC Summer School. You will receive information and appropriate guidance to use these platforms.
- Regular access to the learning platform.