International Agency for Research on Cancer
World Health Organization
IARC learning

IARC SUMMER SCHOOL 2027

INTRODUCTION TO CANCER EPIDEMIOLOGY

Prerequisite	PART 1	PART 2	Target audience
Complete e-learning course: **"GICR eLearning - M00 - Pre-Course Preparation Module"** **2-3 hours** **Before applying!** Enroll now	**Online** **Incl. 4 live sessions** **25 hours** **4 weeks** **13 May-11 June 2027**	**Face-to-face** **IARC, Lyon, France** **40 hours** **5 days** **28 June-2 July 2027**	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 extraordinary circumstances.
Non-attendance impacts 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.

Note: Applicants to the "Introduction to Cancer Epidemiology" module must submit a certificate of completion from the learning course "*GICR eLearning - M00 - Pre-Course Preparation Module*", available on the IARC Learning space of the WHO Academy learning platform.

PART 1 - Online - 13 May-11 June 2027

Access to a dedicated online space. Activities will include:

- ➔ Completing e-learning courses (approx. 20 hours)
- ➔ Attending four live sessions (approx. 5 hours) on 13, 25 May, 1 and 10 June at 1pm (CEST)
- ➔ Groupwork interaction will be initiated

PART 2 - Face-to-face - IARC, Lyon - 28 June-2 July 2027

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 presenting on the last day
- ➔ Attending optional "*Meet the IARC Scientists*" scheduled group appointments
- ➔ Participating in other networking and social activities

Programme requirements:

- 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.