iPAAC
INNOVATIVE PARTNERSHIP
FOR ACTION AGAINST CANCER

DISTANCE TRAINING ON
POPULATION-BASED CANCER PREVALENCE

22-23 JUNE 2021

ORGANISED BY **ISTITUTO SUPERIORE DI SANITÀ - ISS**

IN COLLABORATION WITH THE **ENCR-JRC**

Distance training on population-based cancer prevalence indicators addressed to statisticians and epidemiologists working in the European Cancer Registries. The course was developed within the framework of the *Innovative Partnership for Action Against Cancer* (**iPAAC**) Joint Action, an initiative co-financed by the European Commission involving 24 European countries. Promoting the dissemination and use of epidemiological indicators on cancer survivors is part of the iPAAC Work Package 7 activities.

GENERAL SCOPE AND LEARNING OBJECTIVES

The course aims at providing a general overview of the methods and means to derive cancer prevalence estimates from observed incidence and survival data, balancing theory and practical applications.
At the end of the course participants will be able to:
1) Identify basic prevalence measures, determine their scope and interpretation
2) Identify the appropriate methods to compute complete and limited-duration prevalence
3) Select the appropriate software and input information needed to calculate each indicator
4) Plan the steps needed to derive prevalence estimates from their cancer registry data

PROGRAM CONTENTS

Prevalence definitions, measures, main applications and interpretation
Statistical methods: counting method, prevalence completeness index, cure survival models
Software to derive prevalence indicators: SEER*Stat Prevalence session, ComPrev
Guided exercises and examples of application using a test dataset

PRE-REQUISITES

- Basic elements of epidemiology and biostatistics
- SEER*Stat and ComPrev installed (optional)

FACULTY & SCIENTIFIC SECRETARIAT

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#	DAY 1 - Observed and Estimated Prevalence measures		
	Welcome and introduction of the e-learning programme	9:30 – 9-40	R De Angelis
1	**Introduction** Definition of prevalence indicators, main applications, interpretation	9:40 – 10:00	R De Angelis
2	**Observed prevalence** Counting method, limited duration prevalence, numbers vs proportions, crude vs age adjusted, multiple tumours, patterns by disease duration Q&A (5 min)	10:00- 10:45	E Demuru
	Break (15 min)	10:45-11:00	
3	**SEER*Stat Software: limited duration prevalence session** Software illustration and guided exercises. Q&A (10 min)	11:00-12:15	S Rossi
4	**Estimated prevalence** Estimation of complete and limited duration prevalence Q&A (5 min)	12:15-12:45	R De Angelis
	Wrap up and next steps	12:45-13:00	R De Angelis, all

#	DAY 2 - Complete Prevalence estimates		
	Welcome and introduction of the day	9:30 – 9-40	R De Angelis
5	**Completeness index method: basic principles**	9:40 -10:00	L Dal Maso
6	**Incidence and survival modelling** Q&A (5 min)	10:00-10:30	E Demuru L Ventura
7	**Completeness index method: ComPrev software features** Q&A (5 min)	10:30-10:45	L Dal Maso
	Break (15 min)	10:45-11:00	
8	**ComPrev software sessions and guided exercised** Completeness Index session, Complete Prevalence session Q&A (10 min)	11:00-12:45	S Guzzinati L Dal Maso
	Conclusions and final remarks	12:45-13:00	R De Angelis, all

Tutorials and materials

    before the course to all participants
- power point presentations
- relevant publications

    after the course (available upon request)
- guided exercises
- SEER*Stat test dataset used in the guided exercises
- ComPrev input parameters file (incidence and survival parameters estimated in Italy or Europe)