

EpiDocUnit

Epidemiology of Chronic Diseases



UNIVERSIDADE
NOVA
DE LISBOA



NOVA MEDICAL
SCHOOL
FACULDADE
DE CIÊNCIAS
MÉDICAS



Escola Nacional **de Saúde Pública**
Universidade Nova de Lisboa



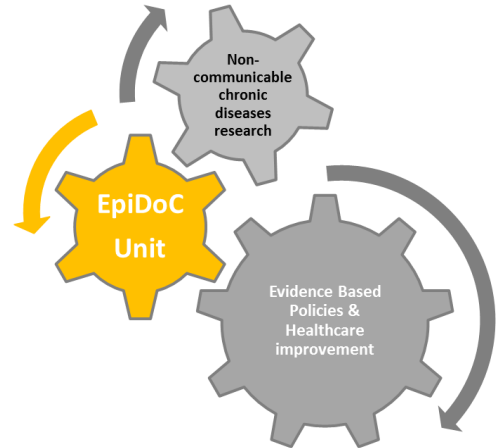
INSTITUTO
DE TECNOLOGIA
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Knowledge Creation

What is EpiDoC Unit?

EpiDoC is an epidemiology and outcomes research unit located in NOVA Medical School aiming at providing scientific information of

excellence, gathering health and diseases issues and covering clinical, social, economic and human aspects. This Unit has expertise in surveys, chronic disease registries, observational studies and management of large databases with a wide range of data: demographic, life habits, clinical, pharmacological, socio-economic, labor, quality of life, imaging, genetic and laboratorial. We have been made long term investment in a population based longitudinal cohort with imaging and blood samples.

With our partners from CEDOC, ENSP and ITQB, we develop work on chronic non-communicable diseases, public health, and molecular epidemiology. EpiDoC is also committed to help patients and vulnerable population groups to improve their health. We are fully committed to promote educational and training strategies using new information and communications technology (internet, apps and smart TV tools). Our aim is to contribute to patient empowerment, to reduce inequities in health and to provide evidence for public health policies.



Main goal

- To promote and develop epidemiological and clinical research

Specific Objectives

1. Promote and develop synergies with other research groups (CEDOC, ENSP, ITQB)
2. Promote and boost ongoing cohort and research projects (EpiReumaPt, CoReumaPt and Saúde.Come)
3. Increment successful call applications (H2020, FCT, other)
4. Develop educational activities (pre and post graduated, workshops, courses, training, books, enduring material)

Services & Activities

Epidemiological studies and research projects' design and development

EpiDoC is prepared to give assistance with the preparation and development of research designs: conceptualize the research problem, develop protocols, study design selection, study setting, exposure definition and measurement, outcome definition and measurement, covariate and data sources selection, study size and power calculations.

Ongoing projects and data availability

EpiDoC is following, since 2011 (EpiReumaPt & CoReumaPt), 10661 subjects representative of the Portuguese population capturing several health dimensions.

We are leading the project "Saúde.Come" that aims to create valid information on food insecurity in Portugal with the partnership of ISPUP, NTNU, CLSBE and SPR. This project is conducting a national register on Food Insecurity and performing a randomized clinical trial (RCT) using new information and communication technologies (ICT) such as apps, online platforms and interactive TV for vulnerable groups.

All data is available for researchers by submitting research projects to the scientific committee. The unit also offers support in study design in diverse areas such as non-communicable chronic diseases and molecular epidemiology. We have the ability to cover large, diverse, defined populations selected for a particular disease, condition or procedure; to capture complete clinical information about this population over time, including longitudinal information on clinical care, changes in clinical characteristics and conditions, and assessment of clinical care services and outcomes in health.

Biological samples & Imaging data

The unit holds biological samples (serum and DNA) and imaging data (DXA and X-rays hip, knee, hand and spine) from over 3,600 donors, enabling and encouraging studies of this kind.

Innovative tools for metrics development

Development of new technologies (online platforms, apps, smart TV) as tools to collect population health related data and clinical monitoring refining individual follow-up of chronic disease patients. These tools are also applied in interventional studies namely to promote life healthy habits.

Training and educational activities

This unit allows researchers (fellows, trainees, pre and post graduate students, doctoral and postdoctoral students, etc.) to access database information and facilities including training in epidemiology and cohort study design; dataset cleaning, analysis and interpretation. The Unit will endorse mentorship, regular seminars, scientific courses and hands-on workshops to assure high quality research training.

Public Health promotion

The aim of this service is to promote the health of the Portuguese population by developing, implementing, and evaluating health promotion/disease prevention programs. Priority areas include non-communicable chronic diseases (rheumatic, cardiovascular, metabolic, dermatologic, gastrointestinal, neurologic and respiratory) but also oncological and infectious diseases.

To promote community education the unit will endorse campaigns, reports, papers, meetings, holiday's camps to increase the awareness and knowledge on chronic diseases and public health.

Networking

The unit promotes research networking, both national and international, as well as develops collaborative projects.

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Collaborations :

EpiDoC Partners CEDOC; ENSP; ITQB

Statistics and Economics Analysis
NOVA IMS

Epidemiology ISPUP ; NTNU

Innovation & Health Economics
CLSBE

**Health Economics & Quality of Life
Assessment** FEUC; NOVA SBE ; ENSP

Social & Human Sciences FCSH-UNL

Medical Expertise FMUC; FMUL;
SPR; DGS

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