

Ph.D. in “Life Course Research” – Socio-demographic curriculum

Academic Year 2023-2024

Population Health and healthcare across the life course

25-28 March 2024

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Objectives

The goal of the course is to help students become familiar with the multifaced aspects that affect individuals’ health at the different stages of their life including the measurement and analysis of outcomes, access, quality, equity, and costs of healthcare. Students will be also introduced to the use of the Stata/R software for implementing empirical analyses with the methods discussed in the lectures.

The students will, by the end of the course, develop a thorough appreciation of measurement, design, and analyses of methods for population health and health service studies and acquire an understanding of how these methods are presently being utilized by health care providers.

Program

Monday morning (Instructors: Viviana Egidi, Elisa Cisotto):

- Health across the life course
- Health Inequalities over the Life Course

Tuesday morning (Instructor: Chiara Seghieri):

- Population and health care performance measure frameworks

Wednesday morning (Instructor: Chiara Seghieri):

- Statistical modeling in health research
- Application of modeling in health research

Wednesday afternoon (Instructor: Chiara Seghieri):

- Practice using STATA

Thursday morning (Instructors: Annalisa Donno):

- Understanding multimorbidity, disability and frailty
- Measuring and analyzing multimorbidity, disability and frailty

Thursday afternoon (Instructor: Annalisa Donno):

- Practice using STATA

Suggested lecture

- Donabedian A., *The quality of care: how can it be assessed?*, JAMA, 260 (1988)
- Iezzoni LI: The Risks of Risk Adjustment JAMA 1997; 278:1600-7
- Harrison C, Fortin M, van den Akker M, Mair F, Calderon-Larranaga A, et al. Comorbidity versus multimorbidity: Why it matters. J Multimorb Comorb. 2021 Mar 2;11
- Johnston MC, Crilly M, Black C, et al. Defining and measuring multimorbidity: a systematic review of systematic reviews. European Journal of Public Health. 2019 Feb;29(1):182-189.
- Altman BM. Definitions, concepts, and measures of disability. Annals of Epidemiology. 2014 Jan;24(1):2-7.
- Diana Kuh, the New Dynamics of Ageing (NDA) Preparatory Network. A Life Course Approach to Healthy Aging, Frailty, and Capability, The Journals of Gerontology: Series A, Volume 62, Issue 7, July 2007.
- De Lepeleire J, Iliffe S, Mann E, Degryse JM. Frailty: an emerging concept for general practice. Br J Gen Pract. 2009 May;59.
- Buckinx F, Rolland Y, et al. Burden of frailty in the elderly population: perspectives for a public health challenge. Arch Public Health. 2015 Apr 10;73(1):19.

Requirements

Basic epidemiology, regression models (including Generalized Linear Models), use of STATA and/or R software