

Curriculum Vitae

Personal information

First name(s) / Surname(s) **Carla Nunes**
Carla do Rosário Delgado Nunes de Serpa (Full name)
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Academic degrees

- 2012 Aggregate in Public Health, Escola Nacional de Saúde Pública, Universidade NOVA de Lisboa (ENSP/UNL, National School of Public Health, NOVA University of Lisbon)
- 2003 PhD in Spatiotemporal Stochastic Processes, Instituto Superior Técnico, Universidade de Lisboa
- 1998 Master Degree in Geo-resources, Instituto Superior Técnico, Universidade de Lisboa
- 1995 Degree in Applied Mathematics/Statistical Sciences, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa (School of Sciences and Technology, NOVA University of Lisbon)

Current professional activities

Dean of National School of Public Health
Full Professor at ENSP/UNL, Group of Epidemiology and Statistics
Member of Public Health Research Center (ENSP/UNL) and of Comprehensive health research Centre

Main scientific research areas

Space-Time Phenomena, Spatial Epidemiology, Multivariate Statistics, Public Health, Tuberculosis, Aging

Other academic responsibilities

- Vice-president of Scientific Council of ENSP (2007-2010 and 2016- 2019)
- Coordinator of Public Health PhD Course at ENSP (2016-2019)
- Responsible for statistics and epidemiology disciplines at ENSP (2016-)
- Deputy Director of ENSP (2011- 2014)
- Coordinator of Public Health Master Course at ENSP (2006-2013)

Publications

Most important and representative papers in Public Health or epidemiology/statistics areas (2016-2019) of about 100 papers/abstracts published in refereed journals and conference proceedings:

- Rocha J, Nunes C, Can We Develop a Risk Map for Suicide Rates? An Ecological Study in Portugal. *Community Mental Health Journal* <https://doi.org/10.1007/s10597-019-00510-9>
- Frade J., Nunes C, Mesquita JR, Nascimento MS , Prasad L, Gonçalves G, Mumps antibodies in the cord blood: association with maternal recall of mumps. Possible consequences for vaccination strategies. *Vaccine*. doi: 10.1016/j.vaccine.2019.11.013. [Epub ahead of print]
- Bhering M1, Kritski A1, Nunes C2, Duarte R3. Multidrug-resistant tuberculosis in Lisbon: unfavourable treatment and associated factors, 2000-2014. *Int J Tuberc Lung Dis*. 2019 Oct 1;23(10):1075-1081. doi: 10.5588/ijtld.18.0596.
- Alves, L. S., Dos Santos, D. T., Arcoverde, M. A. M., Berra, T. Z., Arroyo, L. H., Ramos, A. C. V., De Assis, I. S., De Queiroz, A. A. R., Alonso, J. B., Alves, J. D., Popolin, M. P., Yamamura, M., De Almeida Crispim, J., Dessunti, E. M., Palha, P. F., Chiaraval-Neto, F., Nunes, C. & Arcêncio, R. A., 17 Jul 2019, Detection of risk clusters for deaths due to tuberculosis specifically in areas of southern Brazil where the disease was supposedly a non-problem In : *BMC Infectious Diseases*. 19, 1, 628.
- Martins, C., Vidal, A., De Boevre, M., De Saeger, S., Nunes, C., Torres, D., Goios, A., Lopes, C., Assunção, R. & Alvito, P., 1 Jul 2019, Exposure assessment of Portuguese population to multiple mycotoxins: the human biomonitoring approach In : *International Journal Of Hygiene And Environmental Health*. 222, 6, p. 913-925 13 p.
- Loureiro, A., Santana, P., Nunes, C. & Almendra, R., The role of individual and neighborhood characteristics on mental health after a period of economic crisis in the lisbon region (Portugal): a multilevel analysis. *International Journal of Environmental Research and Public Health*. 2019: 16, 15, 2647.
- Rocha J, Nunes C, Santana R. Avoidable hospitalizations in Brazil and Portugal: identifying and comparing critical areas through spatial analysis. *Plos One*.
- Martins C, Vidal A, Boevre M, Saeger S, Nunes C, Torres D, Goios A, Lopes C, Assunção R, Alvito P. Exposure assessment of Portuguese population to multiple mycotoxins: the human biomonitoring approach. *International Journal of Hygiene and Environmental Health*. 2019. (in press). doi: 10.1016/j.ijheh.2019.06.010
- Picoito J, Santos C, Loureiro I, Aguiar P, Nunes C. Gender-specific substance use patterns and associations with individual, family, peer, and school factors in 15-year-old Portuguese adolescents: a latent class regression analysis. *Child and Adolescent Psychiatry and Mental Health*. 2019;13:21. doi: 10.1186/s13034-019-0281-4.
- Viegas S, Assunção R, Martins C, Nunes C, Osteresch B, Twarużek M, Kosicki R, Grajewski J, Ribeiro E, Viegas C. Occupational exposure to mycotoxins in swine production: environmental and biological monitoring approaches. *Toxins (Basel)*. 2019;11(2). pii: E78. doi: 10.3390/toxins11020078.
- Bombert F, Manso C, Sousa Ferreira C, Nogueira P, Nunes C, Sociodemographic factors associated with oral health in 12-year-old adolescents: Hygiene behaviors and health appointments. A cross-sectional national study in Portugal *International Dental Journal* 2018. DOI: 10.11117idj.12390
- Pulido Valente I, Gomes I, Rodrigues J, Guerreiro T, Nunes C. Esclerose Múltipla en Portugal continental: Análisis de clusters espacio-temporales y variaciones espaciales en tendencias temporales de los ingresados entre 2002 y 2013. *Revista de Neurología* 2018;66:182-188
- Pego MA and Nunes C (2018) Aging, Disability, and Informal Caregivers: A Cross-sectional Study in Portugal. *Front. Med*. 4:255. DOI: 10.3389/fmed.2017.00255
- Sousa P, Uva A., Uva M., Serranheira F, Nunes C. Patient and hospital characteristics that influence incidence of adverse events in acute public hospitals in Portugal: a retrospective cohort study. *International Journal for Quality in Health Care*, 2018,30(2),132-137 doi: 10.1093/intqhc/mzx190
- Rodrigues D, Nunes C. Inpatient Profile of Patients with Major Depression in Portuguese National Health System Hospitals, in 2008 and 2013: Variation in a Time of Economic Crisis. *Community Ment Health J* 2017. DOI:10.1007/s10597-017-0144-5
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- Garcia MCC, Queiroz AAR, Popolin MP, Yamamura M, Neto MS, Arroyo LH, Ramos AC, Alves LS, Neto FC, Nunes C, Enders BC, Pinto IO, Uchôa SA, Arcêncio RA. Hospitalizations and re Hospitalizations Due to Tuberculosis: Economic Costs and Spatial Distribution Analysis in an Endemic Northeastern City, Brazil. *International Archives of Medicine* 2016; 9: 133, 1-13
- Nunes C, Duarte R, Veiga AM, Taylor B. Who are the patients that default tuberculosis treatment? *Space Matters!* *Epidemiology and Infection Journal* 2017 145, 1130–1134. doi:10.1017/S0950268816003307
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- Advinha AM, Barros CT, Guerreiro MP, Nunes C, Lopes MJ, Oliveira-Martins S. Crosscultural validation and psychometric evaluation of the Self-Medication Assessment Tool (SMAT) for assessing and optimizing medication therapy management of older people. *European Journal for Person Centered Healthcare*. 2018;6(4):655-68.
- Bombert F, Manso AC, Ferreira CS, Nogueira P, Nunes C. Sociodemographic factors associated with oral health in 12-year-old adolescents: hygiene behaviours and health appointments: a cross-sectional national study in Portugal. *International Dental Journal*. 2018;68(5):327-335. doi: 10.1111/idj.12390
- Costa-Veiga A, Briz T, Nunes C. Unsuccessful treatment in pulmonary tuberculosis: factors and a consequent predictive model. *European Journal of Public Health*. 2018;28(2):352-8. <https://doi.org/10.1093/eurpub/ckx136>
- Fernandes SG, Rodrigues AM, Nunes C, Santos O, Gregório MJ, Sousa RD, Dias S, Canhão H. Food insecurity in older adults: results from the epidemiology of chronic diseases cohort study 3. *Frontiers in Medicine*. 2018;5:203.doi: 10.3389/fmed.2018.00203
- Frade J, Nunes C, Mesquita JR, Nascimento MSJ, Gonçalves G. Rubella antibodies in cord blood sera in Portugal: association with maternal age and vaccination status. *Epidemiology and Infection*. 2018;146(5):600-
- Gomes I, Miranda A, Nunes C. Spatiotemporal Analysis of Breast Cancer Incidence: a study in Southern Portugal between 2005 and 2012". *Anticancer Research* 2018; 38:1797-1805 doi:10.21873/anticancer.12418
- Frade J, Nunes C, Mesquita JR, São José Nascimento M, Gonçalves G. Rubella antibodies in cord blood sera in Portugal: association with maternal age and vaccination status. *Epidemiology and Infection* 2018. DOI:10.1017/S0950268818000237.
- Luis L, Nunes C. Short National Early Warning Score — Developing a Modified Early Warning Score *Australian Critical Care* 2017. DOI: 10.1016/j.aucc.2017.11.004
- Costa-Veiga A, Briz T, Nunes C; Unsuccessful treatment in pulmonary tuberculosis: factors and a consequent predictive model, *European Journal of Public Health*, cxx136, DOI: 10.1093/eurpub/ckx136
- Scripcaru G, Mateus C, Nunes C (2017) Adverse drug events—Analysis of a decade. A Portuguese case-study, from 2004 to 2013 using hospital database. *PLOS ONE* 12(6): e0178626. DOI:10.1371/journal.pone.0178626
- Scripcaru G, Mateus M, Nunes C. A decade of adverse drug events in Portuguese hospitals: space-time clustering and spatial variation in temporal trends. *BMC Pharmacology and Toxicology* 2017 18:34. DOI: 10.1186/s40360-017-0140-y
- Gonçalves G, Frade J, Nascimento MSJ, Mesquita JR, Nunes C. Persistence of rubella and mumps antibodies, following changes in the recommended age for the second dose of MMR vaccine in Portugal. *Epidemiology and Infection Journal* 2016
- Advinha AM, Henriques A, Guerreiro MP, Nunes C, Lopes MJ, Oliveira-Martins S. Cross-cultural validation of the Drug Regimen Unassisted Grading Scale (DRUGS) to assess community-dwelling elderly's. *European Geriatric Medicine* 7 (2016) 424–429
- Nunes C, Taylor B. Modelling the Time to Detection of Urban Tuberculosis in two big cities in Portugal: a Spatial Survival Analysis. *International Journal of Tuberculosis and Lung Disease* 2016; 20(9):1219 -1225
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Chapter Books	<ul style="list-style-type: none"> De Sousa B, Gomes D, Filipe PA, Areias C, Briz T, Pires C, Nunes, C. STAR Modeling of Pulmonary Tuberculosis Delay-Time in Diagnosis. Editors: Allewaert, Giorgio, Giommi, Andrea (Eds.) Topics in Theoretical and Applied Statistics. Springer; 2016. pp.215-225 ISBN 978-3-319-27272-6. Mateus C, Joaquim I, Nunes C, Boto P, Campos L. Portugal Geographic variations in health care. In: Geographic Variations in Health Care: What do we know and what can be done to improve health system performance?. OECD; 2014. p.317-342. ISBN: 978-92-64-21658-7.
Projects (recent)	<ul style="list-style-type: none"> Road safety performance indicators, develop with Road Safety Portuguese Association. Principal Investigator. SMAILE: Saúde Mental – Avaliação do Impacto das condicionantes Locais e Económicas. Member of the research team. Portuguese Science and Technology Foundation. (PTDC/ATP-GEO/4101/2012) Control TB- Pulmonary Tuberculosis in Portugal: spatial and temporal characterization of reported incidence and its determinants, trends and future scenarios. Principal Investigator. Portuguese Science and Technology Foundation. PTDC/SAU-SAP/116950/2010 ECHO—European Collaboration for Healthcare Optimization. Member of the research team. Project financed by European Commission – 7PQ (2009- 2012) Epidemiological study of adverse events in Portuguese hospitals: a contribution to the strategy of Patient Safety. Member of the research team. Project financed by Fundação Calouste Gulbenkian National Study on the characterization of musculoskeletal symptoms related to work on nurses. Member of the research team. Project financed by: Autoridade para as Condições do Trabalho
Scientific Supervisor	<p>Already discussed: 10 master theses and 10 PhD Theses (two waiting for public presentation)</p> <p>Ongoing: Five PhD theses and 3 master theses</p>
ID Profiles	<p>ORCID: 0000-0003-4562-1057 Research ID: H-1732-2011 Scopus Author ID: 21733772000</p>