

## PERSONAL INFORMATION



## Dario Gregori

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Gender Male | Place and Date of Birth Trieste, 26/08/1967 | Nationality Italian

## Current job position

Since 2017

**Full Professor and Chair of Medical Statistics**

School of Medicine, Departmental of Cardiac, Thoracic and Vascular Sciences, University of Padova, [www.unipd.it](http://www.unipd.it)

Teaching responsibilities for the discipline of medical statistics in various degree courses at Bachelor, Master and graduate level, as well as in schools of specialty and Doctorate of the School of Medicine

Since 2012

**Director, Unit of Biostatistics Epidemiology and Public Health, University of Padova**

- Responsibility for coordinating research activities of A group of 4 associate professors, 10 research fellows and several PhD students

Since 2012

**Director, Service of Clinical Trials and Biometrics, University of Padova**

- The service provides support to all spontaneous and sponsored Research in the Medical School, from covering regulatory aspects to the construction and management of online data collection systems to design and statistical analysis

2018-2021

**Member of the National Council for Food Safety, Italian Ministry of Health, as expert in Risk Analysis**

Since 2017

**Director, Medical Residency School in Medical Statistics and Biometrics, University of Padova**

- Director, Curriculum in Biostatistics and Clinical Epidemiology, PhD program in "Experimental and Translational Medicine G.B. Morgagni", University of Padova

Since 2015

**Director Master in "Advanced biostatistics", University of Padova**

- Director Master in "Advanced biostatistics", University of Padova

2016-2018

**Co-Director, together with Prof. Paolo Spinella from the Master in "Research Methodology in Nutrition", University of Padova**

## Previous job Positions

2009-2017

**Associate professor of Biostatistics**

School of Agriculture and Veterinary medicine, University of Padova, [www.unipd.it](http://www.unipd.it)

Teaching responsibility for the discipline of risk analysis In the Bachelor and graduate courses of the School of Agriculture and Veterinary medicine

In conjunction with The School of Medicine responsibility of teaching in various degree courses at Bachelor, Master and graduate level, as well as in schools of specialty and Doctorate of the School of Medicine

2002-2008

**Associate Professor of Biostatistics**

University of Torino, [www.unito.it](http://www.unito.it)

- Teaching responsibility for the discipline of medical statistics in various degree courses at Bachelor, Master and graduate level, as well as in schools of specialty and Doctorate of the School of Medicine

#### 1997-2001 **Researcher in Statistics for Experimental and Technological Research**

University of Trieste

- Teaching responsibilities for the discipline of Biostatistical models and Data Mining In various undergraduate and graduate course of the Faculty of Economics and Statistics

#### 1995-1996 **Associate Researcher in Risk Modeling**

Center for Ecological Statistics, Pennsylvania State University, USA [www.psu.edu](http://www.psu.edu)

- Development of risk assessment models of toxic agents on Environment funds Protection Agency - EPA

#### **Training**

##### 1995 **Phd in Applied Statistics**

Department of Statistics, University of Firenze

- Thesis on "Models of relative risk for sampling schemes case-cohort: an application to lung cancer in sailors", Tutors Prof. M. Livi Bacci e Prof. A. Biggeri

##### 1994 **Masters of Arts in Statistics, Pennsylvania State University, USA**

Pennsylvania State University, USA

- Thesis on " Generalized Linear Models and Quasi-Likelihood Models in Ecology, Tutor Prof. G.P. Patil"

##### 1990 **Degree in Economic Policy**

University of Trieste

- Graduate thesis on "Progress Technical and demand for inputs: theoretical analyses and Empirical checks for Italy, " Tutors Prof. M. Zenezini and prof. A. Kostoris

#### **Personal skills**

Language Mother Italian

#### Other Languages

	COMPREHENSION		SPEAKING		WRITTEN
	Listening	Reading	Interaction	Production	
English	C1	C1	C1	C1	C1
German	B1	B2	A2	A2	A2
Spanish	A2	A2	A1	A1	A1

#### **Skills Managerial And Organizational**

- Leadership (as head of the biostatistics unit, Epidemiology and public health and the service of Clinical Trials and biometrics)
- Project management (Responsibility of research programs as a Principal Investigator in several

research projects)

#### Skills Computer

- Office automation: Libre Office™ and Microsoft Office™ tools
- Programming languages: S, S+, R, Lisp, Fortran, SQL
- Editing Markup Languages: html, LaTex
- Statistical Software: R, SAS, SPSS, STATA, X-Lisp
- Experience in implementing and managing Computing networks at Medium-Small level (MS-windows and Linux)

#### ADDITIONAL INFORMATION

##### Fellowships

- Fellow of “The Obesity Society” (TOS)
- Fellow of “American College of Nutrition”

##### Publications

**Total number of scientific articles (peer-reviewed journals only): 576**

Number of items indexed in SCOPUS/ISI Web of Sciences: **561**

Year of first Publication: 1994

Total number of citations (2014-2018): 7082

**H-Index: 43**

A list of publications is available at Site: <https://orcid.org/0000-0001-7906-0580>

A list of review work (after 2018): <https://publons.com/author/1409661/dario-gregori#profile>

##### Participation to congresses

- Author/co-author of over 800 abstracts presented as the invited speaker or as a spontaneous contribution to national and international scientific conferences.

##### Affiliations

- American Statistical Society ([www.amstat.org](http://www.amstat.org)) since 1994
- Society of Risk Analysis ([www.sra.org](http://www.sra.org)) since 2007
- Italian Society of Medical Statistics and clinical epidemiology ([www.sismec.info](http://www.sismec.info)) since 1999
- American Society of Nutrition ([www.nutrition.org](http://www.nutrition.org)) since 2010
- American College of Nutrition ([americancollegeofnutrition.org](http://americancollegeofnutrition.org)) since 2015
- The Obesity Society ([www.obesity.org](http://www.obesity.org)) since 2011
- American Public Health Association (apha.org) since 2014

##### Award And prices

- 2006 International Prize, International Society of Children and Adolescent Injury Prevention (ISCAIP), Best Contribution
- 1998 Royal Statistical Society Award
- 1995 American Statistical Association, Public Health Section, Young researcher award
- 1994 Institute of Mathematical Statistical, Young researcher award

##### Other Activities (Relevant)

- From 2006 Regional Representative for Europe and a member of the Board of Directors of International Society of Children and Adolescent Injury Prevention (ISCAIP)
- 2005 - 2010 Member of the Board of Directors and Treasurer of the Italian Society of Medical Statistics and clinical epidemiology
- From 2005 Working Group Coordinator SISMEC-AIFA (Italy Drug Regulatory Agency) “Ethics committees and the Nebice project (Network of Biostatisticians in the ethics Committees)
- 1997 – 2017 Biostatistician in the Ethics Committee In the hospital of Gorizia and Udine

##### Project Management Responsibilities (most relevant)

- 2019-2022 – Veneto Region ICU Network COVID-19 Taskforce. Statistical leader
- 2017-2018 – Ministry of Health. Project NOTION “Construction of a caloric intake measurement

system Usable at the population level", Co-technical Leader with Prof. Ileana Baldi

- 2016-2017 – Ministry of Health. Progetto CHOP "Food Choking risk prevention". Project leader. [www.chop.school](http://www.chop.school)
- 2015-2019 - EFSA (European Food Safety Authority) Call OC/EFSA/AMU/2015/01 "Assistance to the Assessment Methodology Unit for Statistical Analyses, data management and ad hoc consultation upon request", Project leader.
- 2014-2016 - SAMNIC (Training on Safety Assessment and Management for New and Innovative Children's Products), Erasmus+ program, Project partner.
- 2014-2016 - EFSA (European Food Safety Authority) Call OC/EFSA/AMU/2014/02 "Machine Learning techniques applied in risk assessment related to food safety", Participating unit and technical leader.
- 2004-2010 (continuing as an independent project to today) Susy Safe Project (Surveillance System on Suffocation Injuries Due to Foreign Bodies in European Children), 2004-2010 ([www.susysafe.org](http://www.susysafe.org)), European Commission, HEALTH & CONSUMER PROTECTION DIRECTORATE-GENERAL, joint surveillance and enforcement actions in the area of consumer product safety (non-food). Extended to cover food injuries after 2010. Project Coordinator and Leader.
- 2011 – 2013 and 2014-2016 Italy-Argentina Research Excellence Grant, CONACYT and Italian Ministry Foreign Affairs. Construction of a joint system of injury surveillance due to choking in children. Project leader.
- 2010 - 2012 University of Padova, Institutional relevance research Grant on "Cost-benefit analysis of high cost oncologic drugs in the Veneto Region". Project leader.
- 2007-2008 National Coordinator of the "NEBICE – Network Of Biostatistici Of Committees Ethical" project, joint action AIFA (Agency Italian Of Medication – Italian Agency of Drug) and SISMEC (Company Italian Of Statistics Medical And Epidemiology Clinica – Italian Society of Medical Statistics and Clinical Epidemiology). Project Leader.
- 2007-2009 National project AIFA "Assessing the risk/benefit profile of bisphosphonates therapy in the secondary prevention of osteoporotic fractures: a retrospective cohort study with regional claims databases". Project partner.
- 2018 (Together a Achal Gulati and Ileana Baldi) "Children's health from global determinants to local consequences: the Indian perspective", Indian Journal of Pediatrics
- 2014 (Together with Sonia Hernandez Cordero) "Obesity in Age Pediatric", Public health of Mexico.
- 2014 (Together with Achal Gulati, Harappa Paramesh, Elizabeth Cherian Paramesh, Mohan Kameswaran and Ileana Baldi), "Non traditional risk factors for obesity in Indian children", Indian Journal of Pediatrics
- 2012 (Together with Georges Halpern) "Multifunctional food and traditional ingredients: a competitive marriage", International Journal of Food Sciences and Nutrition

**Guest Editorship (in Public Health)****Experience in meta-analysis and systematic review**

More than 50 systematic reviews conducted. Participation to the guidelines development of Italian Ministry of Health for choking injuries in children

## Selected published meta.analyses

1. Canova C, Simonato L, Barbiellini Amidei C, et al. A Systematic Review of Case-Identification Algorithms for 18 Conditions Based on Italian Healthcare Administrative Databases: A Study Protocol. *Epidemiologia e prevenzione*. 2019;43(4):8-16. doi:[10.19191/EP19.4.S2.P008.089](https://doi.org/10.19191/EP19.4.S2.P008.089)
2. Mammana M, Pangoni A, Lorenzoni G, et al. Adult Benign, Non-Iatrogenic Bronchoesophageal Fistulae: Systematic Review and Descriptive Analysis of Individual Patient Data. *World Journal of Surgery*. 2021;45(11):3449-3457. doi:[10.1007/s00268-021-06266-2](https://doi.org/10.1007/s00268-021-06266-2)
3. Gregori D, Giacovelli G, Minto C, et al. Association of Pharmacological Treatments with Long-term Pain Control in Patients with Knee Osteoarthritis: A Systematic Review and Meta-analysis. *JAMA - Journal of the American Medical Association*. 2018;320(24):2564-2579. doi:[10.1001/jama.2018.19319](https://doi.org/10.1001/jama.2018.19319)
- 4.

Minto C, Vecchio MG, Lamprecht M, Gregori D. Definition of a tolerable upper intake level of niacin: a systematic review and meta-analysis of the dose-dependent effects of nicotinamide and nicotinic acid supplementation. *Nutrition Reviews*. 2017;75(6):471-490. doi:[10.1093/NUTRIT/NUX011](https://doi.org/10.1093/NUTRIT/NUX011)

5. Silvestri L, Weir I, Gregori D, et al. Effectiveness of oral chlorhexidine on nosocomial pneumonia, causative micro-organisms and mortality in critically ill patients: A systematic review and meta-analysis. *Minerva Anestesiologica*. 2014;80(7):805-820.

6. Lanera C, Minto C, Sharma A, Gregori D, Berchialla P, Baldi I. Extending PubMed searches to ClinicalTrials.gov through a machine learning approach for systematic reviews. *Journal of Clinical Epidemiology*. 2018;103:22-30. doi:[10.1016/j.jclinepi.2018.06.015](https://doi.org/10.1016/j.jclinepi.2018.06.015)

7. Alves VP, Casemiro FG, De Araujo BG, et al. Factors associated with mortality among elderly people in the covid-19 pandemic (Sars-cov-2): A systematic review and meta-analysis. *International Journal of Environmental Research and Public Health*. 2021;18(15). doi:[10.3390/ijerph18158008](https://doi.org/10.3390/ijerph18158008)

8. Foltran F, Ballali S, Passali FM, et al. Foreign bodies in the airways: A meta-analysis of published papers. *International Journal of Pediatric Otorhinolaryngology*. 2012;76(SUPPL. 1):S12-S19. doi:[10.1016/j.ijporl.2012.02.004](https://doi.org/10.1016/j.ijporl.2012.02.004)

9. Foltran F, Gregori D, Passali D. Foreign bodies inhalation as a research field: What can we learn from a bibliometric perspective over 30 years of literature? *International Journal of Pediatric Otorhinolaryngology*. 2011;75(5):721-722. doi:[10.1016/j.ijporl.2010.04.013](https://doi.org/10.1016/j.ijporl.2010.04.013)

10. Azzolina D, Baldi I, Minto C, Bottigliengo D, Lorenzoni G, Gregori D. Handling missing continuous outcome data in a Bayesian network meta-analysis. *Epidemiology Biostatistics and Public Health*. 2018;15(4). doi:[10.2427/12985](https://doi.org/10.2427/12985)

11. Casolino R, Paiella S, Azzolina D, et al. Homologous Recombination Deficiency in Pancreatic Cancer: A Systematic Review and Prevalence Meta-Analysis. *Journal of Clinical Oncology*. 2021;39(23):2617-2631. doi:[10.1200/JCO.20.03238](https://doi.org/10.1200/JCO.20.03238)

12. Silvestri L, Weir WI, Gregori D, et al. Impact of Oral Chlorhexidine on Bloodstream Infection in Critically Ill Patients: Systematic Review and Meta-Analysis of Randomized Controlled Trials. *Journal of Cardiothoracic and Vascular Anesthesia*. 2017;31(6):2236-2244. doi:[10.1053/j.jvca.2016.11.005](https://doi.org/10.1053/j.jvca.2016.11.005)

13. Cserni G, Gregori D, Merletti F, et al. Meta-analysis of non-sentinel node metastases associated with micrometastatic sentinel nodes in breast cancer. *British Journal of Surgery*. 2004;91(10):1245-1252. doi:[10.1002/bjs.4725](https://doi.org/10.1002/bjs.4725)

14. Garzotto F, Comoretto RI, Michieletto S, et al. Preoperative non-palpable breast lesion localization, innovative techniques and clinical outcomes in surgical practice: A systematic review and meta-analysis. *Breast*. 2021;58:93-105. doi:[10.1016/j.breast.2021.04.007](https://doi.org/10.1016/j.breast.2021.04.007)

15. Silvestri L, van Saene HKF, Milanese M, Gregori D, Gullo A. Selective decontamination of the digestive tract reduces bacterial bloodstream infection and mortality in critically ill patients. Systematic review of randomized, controlled trials. *Journal of Hospital Infection*. 2007;65(3):187-203. doi:[10.1016/j.jhin.2006.10.014](https://doi.org/10.1016/j.jhin.2006.10.014)

16. Visaggi P, Barberio B, Gregori D, et al. Systematic review with meta-analysis: artificial intelligence in the diagnosis of oesophageal diseases. *Alimentary Pharmacology and Therapeutics*. 2022;55(5):528-540. doi:[10.1111/apt.16778](https://doi.org/10.1111/apt.16778)

17. Avogaro A, Azzolina D, Gregori D, De Kreutzenberg S, Fadini GP, Mannucci E. The effect of GLP-1 receptor agonists on N-terminal pro-brain natriuretic peptide. A scoping review and metanalysis. *International Journal of Cardiology*. 2022;357:123-127. doi:[10.1016/j.ijcard.2022.03.032](https://doi.org/10.1016/j.ijcard.2022.03.032)

18. Polito A, Isola M, Lanzetta P, Gregori D, Bandello F. The natural history of occult choroidal neovascularisation associated with age-related macular degeneration. A systematic review. *Annals of the Academy of Medicine Singapore*. 2006;35(3):145-150.

19.

Gregori D, Foltran F, Ghidina M, Berchialla P. Understanding the influence of the snack definition on the association between snacking and obesity: A review. *International Journal of Food Sciences and Nutrition*. 2011;62(3):270-275. doi:[10.3109/09637486.2010.530597](https://doi.org/10.3109/09637486.2010.530597)



Padova, 27 May 2022