



## Europass Curriculum Vitae

### Personal information

Surname(s) / First name(s) **Emanuele Leoncini**

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Nationality Italian

Date of birth 20 May 1977

Gender Male

### Work experience

Dates 01 January 2007 →

Occupation or position held Biostatistician

Main activities and responsibilities Responsible for all statistical tasks. Particular areas of interest include public health research and birth defects.

Name and address of employer Alessandra Lisi International Centre on Birth Defects and Prematurity  
Via Carlo Mirabello 14, 00195 Rome (Italy)

Type of business or sector Public Health

Dates 01 October 2005 →

Occupation or position held Lecturer in Medical Statistics

Main activities and responsibilities Lessons and reasearch

Name and address of employer Sapienza University  
Piazzale Aldo Moro 5, 00100 Rome (Italy)

Type of business or sector Research

Dates 24 July 2009 - 16 September 2009

Occupation or position held Statistician

Main activities and responsibilities Research

Name and address of employer Utah Birth Defect Network, Utah Department of Health  
288 North 1460 West, UT 84116 Salt Lake City (Utah (USA))

Type of business or sector Public Health

Dates 01 July 2006 - 31 December 2009

Occupation or position held Statistician

Main activities and responsibilities Statistical consultant (data manager, data analyst, monitoring activities, research activities).

Name and address of employer Istituto degli Innocenti  
Piazza SS Annunziata 12, 50122 Florence (Italy)

Type of business or sector Research

Dates 01 January 2005 →

Occupation or position held Statistician

Main activities and responsibilities Quality assurance

Name and address of employer Sapienza University  
Piazzale Aldo Moro 5, 00100 Rome (Italy)

Type of business or sector Academic

### Education and training

Dates 09/2010 →

Title of qualification awarded MSc in Epidemiology

Principal subjects / occupational skills covered Epidemiology

Name and type of organisation providing education and training London School of Hygiene & Tropical Medicine (University)  
32 Russel Square, WC1B 5DN London (United Kingdom)

Dates 01 October 1996 - 27 May 2004

Title of qualification awarded Laurea in Statistical Sciences

Principal subjects / occupational skills covered Statistics

Name and type of organisation providing education and training Sapienza (University)  
Piazzale Aldo Moro 5, 00100 Rome (Italy)

Dates 10 September 1991 - 16 July 1996

Title of qualification awarded High School Degree in Classical studies

Principal subjects / occupational skills covered Classical studies

Name and type of organisation providing education and training T. Tasso (School)  
Via Sicilia 168, 00187 Rome (Italy)

### Personal skills and competences

Other language(s)

Self-assessment  
European level (\*)

**English**

**German**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User

(\*) [Common European Framework of Reference \(CEF\) level](#)

Driving licence(s) A1, A, B

### Additional information

CURRENT RESEARCH

RCT on efficacy of folic acid with or without other vitamins at standard or high dosage to prevent birth defects

AIFA Italy Department of Health, Independent Research Grant

The goal of this grant is to evaluate in a RCT of factorial design the efficacy of folic acid to prevent birth defects

<http://folictrial.org/>

Role: Statistical Consultant

Surveillance of Adverse Fetal Effects of Medications (SAFE-Med)

The primary objective of this study is to show the feasibility of using such system to screen incoming data for signals suggestive of teratogenic risks associated with specific medications

Role: Statistical Consultant

#### The Awareness Project

CDC Prime Award # U36CCU319276, Subaward # 10008325-01

The overall goal of this project is to improve the knowledge on risk factors for birth defects in developed and developing countries as a prerequisite for evidence-based policy

<http://www.prevbdawareness.org/>

Role: Statistical Consultant

#### Promoting pre-conception counseling and folic acid

CCM, Italy Department of Health, Grant

The goal of this grant is to promote the pre-conception counselling and folic acid supplementation by education, information and systematic reviews

Role: Statistical Consultant

#### International Database on Craniofacial Anomalies

previous WHO and current Iowa University grant # P50DE16215-04

The goal of this grant is to collect and analyze data of cleft lip and palate and to maintain a database

<http://www.who.int/genomics/anomalies/en/>

Role: Statistical Consultant

#### Surveillance and prevention of birth defects

CDC grant # U50/CCU207141-14

The goal of this grant is to exchange data on birth defects among Clearinghouse members and coordinate research activities

Role: Statistical Consultant

### COMPLETED RESEARCH

2009-2010

Guidelines for web-based health promotion programs

Italy Department of Health, Grant and Sapienza University of Rome

Role: Statistical Consultant

2005-2006

Evolution of the national DRG

Italy Department of Health, Grant and Sapienza University of Rome

Role: Data manager/Data analyst

### FULL PAPERS

1. Botto LD, Leoncini E, and the ICBDSR Very Rare Defect Working Group. 2011. Acephalus-acardius twins: an international study among 26 million births from the International Clearinghouse (ICBDSR) (Am J Med Genet A, submitted for publication).

2. Feldkamp ML, Carey JC, Leoncini E, Botto LD, Krikov S, Amar E, Bakker M, Bianca S, Canfield MA, Castilla EE, Clementi M, Correa A, Csaky-Szunyogh M, Halliday J, Landau D, Li Z, Lowry RB, Martínez-Frías ML, Morgan M, Mutchinick O, Rissman A, Ritvanen A, Mastroiacovo P. 2011. Cloacal

Exstrophy: An epidemiologic study in a large dataset from the International Clearinghouse of Birth Defects Surveillance and Research (Am J Med Genet A, submitted for publication).

3. Bermejo E, Cuevas L, Amar E, Bakker MK, Bianca S, Bianchi F, Canfield MA, Castilla EE, Clementi M, Cocchi G, Correa A, Feldkamp ML, Halliday J, Landau D, Leoncini E, Li Z, Lowry BL, Mastroiacovo P, Mutchinick OM, Rissman A, Ritvanen A, Scarano G, Szabova E, Martínez-Frías ML. 2011. An epidemiologic study in a large dataset from the International Clearinghouse for Birth Defects Surveillance and Research, and literature review (Am J Med Genet A, submitted for publication).

4. Mutchinick OM, Luna-Muñoz L, Aguayo-Gómez A, Amar E, Bakker MK, Canfield MA, Clementi M, Cocchi G, Correa A, Dutra MG, Feldkamp ML, Halliday J, Landau D, Leoncini E, Li Z, Lowry B, Martínez-Frías ML, Métneki J, Morgan M, Pierini A, Rissman A, Ritvanen A, Scarano G, Szabova E, Arteaga-Vázquez J. 2011. Conjoined Twins: A Worldwide Collaborative Epidemiological Study of the International Clearinghouse for Birth Defects Surveillance and Research (Am J Med Genet A, submitted for publication).

5. Lopez Camelo J, Gili JA, Poletta F, Castilla E, Leoncini E, Mastroiacovo P. 2011. Methodological approaches to evaluate teratogenic risk using birth defect registries: advantages and disadvantages (Epidemiology, submitted for publication).

6. Zappacosta B, Mastroiacovo P, Leoncini E. 2011. Folate, vitamin B12 and homocysteine status in an Italian blood donor population (Nutrition, Metabolism & Cardiovascular Diseases, submitted for publication).

7. Mastroiacovo P, Leoncini E. 2011. More folic acid, the five questions: why, who, when, how much and how (Biofactors).

8. Luquetti D, Leoncini E, Mastroiacovo P. 2011. Microtia-Anotia: A Global Review of Prevalence Rates (Birth Defects Research Part A: Clinical and Molecular Teratology).

9. Nassar N, Leoncini E, Mastroiacovo P. 2011. Prevalence of oesophageal anomalies in 18 Birth Defects Surveillance Programs worldwide (Birth Defects Research Part A: Clinical and Molecular Teratology, submitted for publication).

10. IPDTC Working Group. 2011. Prevalence at birth of cleft lip with or without cleft palate. Data from the International Perinatal Database of Typical Oral Clefts (IPDTC). Cleft Palate Craniofac J 48(1):66-81.

11. Clementi M, Di Gianantonio E, Cassina M, Leoncini E, Botto LD, Mastroiacovo P; the SAFE-Med Study Group. 2010. Treatment of Hyperthyroidism in Pregnancy and Birth Defects. J Clin Endocrinol Metab 95(11):E337-41.

12. Leoncini E, Mastroiacovo P et al. 2010. How valid are the rates of Down syndrome internationally? Findings from the International Clearinghouse for Birth Defects Surveillance and Research. Am J Med Genet A 152A(7):1670-80.

13. Federer F, Ichida JM, Jeffs J, Schiess I, McLoughlin N, Angelucci A. 2009. Four Projection Streams from Primate V1 to the Cytochrome Oxidase Stripes of V2. The Journal of Neuroscience 29:15455-15471. (Acknowledgments).

14. Oliva G, Zannella MP, Casarella L, Leoncini E. 2009. Evidence Based Medicine nella prevenzione della Depressione post-partum (DPP). Riv Ost Gin 21:5-12.

15. Oliva G, Casarella L, Zannella MP, Pomini F, Masini L, Cavaliere AF, Leoncini E. 2009.

Oligoamnios e idratazione nelle gravidanze a termine. Italian Journal of Gynaecology and Obstetrics 1:32-40.

16. Leoncini E, Mastroiacovo P et al. 2008. Frequency of Holoprosencephaly in the International Clearinghouse Birth Defects Surveillance Systems: Searching for Population Variations. Birth Defects Research Part A: Clinical and Molecular Teratology 82:585-91.

17. Volpe S, Verocchi D, Andersson P, Gottlow J, Sennerby L. 2008. Comparison of early bacterial colonization of peek and titanium healing abutments using real-time PCR. Applied Osseointegration Research 6:54-56. (Acknowledgments).

18. Quattrocchi CC, Santini D, Dell'Aia P, Piciucchi S, Leoncini E, Vincenzi B, Grasso RF, Tonini G, Zobel BB. 2007. A prospective analysis of CT density measurements of bone metastases after treatment with zoledronic acid. Skeletal Radiology 36:1121-7.

19. Grasso RF, Zobel BB et al. 2007. Posterior pelvic floor disorders: a prospective comparison using introital ultrasound and colpocystodefecography. Ultrasound in Obstetrics and Gynecology 30:86-94. (Acknowledgments).

20. Del Vescovo R, Sansoni I, Caviglia R, Ribolsi M, Perrone G, Leoncini E, Grasso RF, Cicala M, Zobel BB. 2007. Dynamic contrast enhanced magnetic resonance imaging of the terminal ileum: differentiation of activity of Crohn's disease. Abdominal Imaging 33:417-424.

#### BOOK CHAPTERS and REPORTS

1. Guidelines for web-based health promotion programs. Italy Department of Health, Sapienza University of Rome (December 2010).

2. Annual Report 2009 International Clearinghouse for Birth Defects Surveillance and Research (September 2010).

3. Annual Report 2008 International Clearinghouse for Birth Defects Surveillance and Research (September 2009).

4. Systematic review: Population health effects of fortification of wheat and maize flour with folic acid. Italy Department of Health. Leoncini E, Mastroiacovo P (April 2009).

5. La valutazione della didattica da parte degli studenti nella I Facoltà di Medicina e Chirurgia dell'Università di Roma la Sapienza mediante tecniche di scaling multidimensionale. Quaderni delle Conferenze Permanenti delle Facoltà di Medicina e Chirurgia, Università Sapienza, Roma (Rivista 46-2009).

6. Rapporto di ricerca sulla criminalità e la sicurezza in provincia di Latina. Numerie statistiche e sistemi informativi (2009).

7. Annual Report 2007 International Clearinghouse for Birth Defects Surveillance and Research (September 2008).

8. I numeri europei – Infanzia e adolescenza in cifre. Quaderni del Centro nazionale di documentazione e analisi per l'infanzia e l'adolescenza, Istituto degli Innocenti, Florence (Edizione

2007).

9. I numeri italiani – Infanzia e adolescenza in cifre. Quaderni del Centro nazionale di documentazione e analisi per l'infanzia e l'adolescenza, Istituto degli Innocenti, Florence (Edizione 2007).

10. Annual Report 2006 International Clearinghouse for Birth Defects Surveillance and Research (February 2007).

11. Attività di verifica delle SDO nazionali (anni 2000 vs 2002 e vs 2003) riguardo all'aggiornamento del sistema di codifica mediante l'adozione dell'ICD 9 CM. D'Ambrosio MG, Leoncini E, Nonis M, Pasqualetti P (2006).

#### MAIN ORAL PRESENTATIONS

- Worldwide analysis of prevalence of congenital diaphragmatic hernia: where is the real variation? 37th Annual Meeting of the ICBDSR, Buenos Aires, Argentina (October 2010).
- International Estimate and Geographical Variation of Esophageal Atresia/Fistula. 36th Annual Meeting of the ICBDSR. Salt Lake City, Utah, USA (September 2009).

#### SELECTED MEETINGS

- Meeting Folic Acid: State of the art. Rome, Italy (January 2011)
- 37th Annual Meeting of the ICBDSR. Buenos Aires, Argentina (October 2010)
- 36th Annual Meeting of the ICBDSR. Salt Lake City, Utah, USA (September 2009)
- The National Birth Defects Prevention Network's 12th Annual Meeting. Nashville, Tennessee, USA (February 2009)
- 35th Annual Meeting of the ICBDSR. Abano Terme, Italy (September 2008)
- National Congress SIMGePeD. Rome, Italy (November 2007)
- 34th Annual Meeting of the ICBDSR. Chianciano Terme, Italy (September 2007)
- Third International Conference on Birth Defects and Disabilities in the Developing World. Rio de Janeiro, Brazil (June 2007)