

Olga Basso
CURRICULUM VITAE

Education:

- Degree in Biology (1983-1988). University of Pavia (Italy). Dissertation (in Italian): “*Italian growth standards for several anthropometric measurements*”.

Post-graduate education:

- Specialization in Health Statistics (1989-1991). University of Pavia (I). Dissertation (in Italian): “*The ECHRS survey on respiratory diseases: organization and potential for bias in a prevalence study*”.
- Ph.D. in Biomedical Statistics (1991-1996). Universities of Milano and Pavia (I). Dissertation (in Italian): “*Bias in observational epidemiology*”.

Internships and employment:

- Attended from 1986 to 1988 the Dept. of Animal Biology, section of Human Anthropology (University of Pavia (I)) for the dissertation’s research.
- Attended 1990 to 1995 the Institute of Applied Health Science, section of Medical Statistics (University of Pavia (I)) for the preparation of the specialization dissertation and for the Ph.D. activity.
- Visited the Danish Epidemiology Science Centre (University of Århus (DK)) on two occasions (March 15th-June 15th, 1994 and March 1st-June 15th, 1995). Host: Prof. Jorn Olsen.
- Junior researcher at The Danish Epidemiology Science Centre, Århus (DK): 1996-2000.
- Research associate professor at The Danish Epidemiology Science Centre, Århus (DK). 2000-2004.
- Visiting researcher at NIEHS, Epidemiology Branch, Research Triangle Park (NC). 2001-02.
- Research fellow at the Epidemiology Branch (NIEHS) since July 1, 2004.
- Adjunct lector, University of Aarhus (Denmark) since 2005.

Societies

- International Epidemiological Association
- Society for Epidemiologic Research

Professional activities

- Associate editor, American Journal of Epidemiology
- Associate editor, Human Reproduction, starting on January 1, 2008.
- Reviewer of manuscripts (*list only includes journals for which I reviewed from 2006 to present*):
 - American Journal of Clinical Nutrition
 - American Journal of Epidemiology
 - American Journal of Obstetrics and Gynecology
 - Environmental Health Perspectives
 - Epidemiology
 - International Journal of Epidemiology
 - JAMA-Journal of the American Medical Association
 - Journal of Perinatal Medicine
 - Human Reproduction
 - Paediatric and Perinatal Epidemiology
 - Pediatrics

Invited talks

1. Master of Public Health, University of Aarhus (Denmark). December 9, 2003.
2. 2nd International Symposium on Successive Pregnancy Outcomes. A Decade of Progress. New Brunswick, NJ (USA). August 19, 2005.
3. Division of Epidemiology, Statistics, and Prevention Research (NICHD), Rockville, MD (USA). DESPR seminar series entitled "Current Topics in Reproductive and Child Health". October 20, 2005.
4. Dept of Epidemiology and Biostatistics Norman J. Arnold School of Public Health, University of South Carolina, SC (USA). February 9, 2006.
5. Dept. of Epidemiology, UCLA School of Public Health, Los Angeles, CA (USA). Doctoral Students' Seminar Series. April 21, 2006.
6. Dept. of Epidemiology, Graduate School of Public Health, University of Pittsburgh (PA). Fall Epidemiology Seminar Series. October 19, 2006.

Mentoring

I have participated in mentoring several students and PhD students at the Danish Epidemiology Science Centre and at the Institute of Epidemiology and Social Medicine (University of Århus, DK). I currently participate in mentoring Dr. Jinliang Zhu at the Danish Epidemiology Science Centre (University of Aarhus, DK) on the project "Development and health of children born of subfecund couples".

Teaching

- Tutoring sessions in Statistics and Mathematics for the 1st year Medical Students of the University of Pavia (I) (Academic years: 1990-91; 1991-92; 1992-93; 1993-94; 1994-95).
- Joint seminars of Statistics and Epidemiology for post-graduate Specialization Schools of Medicine, University of Pavia (I) (1990-91; 1991-92; 1992-93; 1993-94).
- Teacher at the post-graduate Specialization School in Health Statistics at the University of Pavia (I) on 'Statistical Analysis of epidemiological data' (1991-92; 1992-93).
- Teacher at the post-graduate Specialization School in Health Statistics at the University of Pavia (I) on 'Study design and methods in epidemiology' (1993-94; 1994-95).
- Supervisor of group work in the 'Advanced course in epidemiologic methods' for PhD students. University of Århus (DK). 24-25 January 1997.
- Teacher, with prof. Jørn Olsen, of the intensive course in epidemiology 'Design and Bias'. Specialization School in Health Statistics. Pavia (I), 7-11 April 1997.
- 'Linear regression and logistic regression. Basic concepts and applications in epidemiology'. Teaching seminar at the Meeting of the Danish Epidemiology Science Centre. 15 December 1997.
- Supervisor of group work in the 'Advanced PhD course in epidemiologic methods'. University of Århus (DK). 15-16 January 1998.
- Teacher of the course 'Design and interpretation of epidemiologic studies'. Specialization School in Health Statistics. Pavia (I), 11-13 February 1998.
- Teacher in the 'Advanced course in epidemiologic methods' for PhD students. University of Århus (DK), 12-13 June 1998.
- Teacher in the 'Advanced PhD course in epidemiologic methods'. University of Århus (DK), 17-19 June 1999.
- Teacher in the Ph.D. course on 'SPSS and data documentation'. University of Århus (DK), Spring 2000.
- Teacher at the Ph.D. course in Epidemiology, part 2, Case control studies. University of Århus (DK), 31 Aug-2 Sep 2000.

- Teacher in the PhD course in Epidemiology, part 2, Case control studies. University of Århus (DK), 29-31 August 2001.
- Teacher in the Ph.D. course in Epidemiology, part 2, Case control studies. University of Århus (DK), 21-23 May 2003.
- 1st Course in Statistical Genetic Analysis of Complex Phenotypes. Bertinoro di Romagna (Italy). March 30, 2005.

Research support received

- 1999 PI on a grant application to Danish Medical Research Council requesting support for acquisition of data from Danish National Registries. I was granted 100,000 DKr (about \$14,400 with 1999 average exchange rate).
- 2000 PI on a grant application to the Danish Medical Research Council to receive funding for 42 months' salary and contribution to expenses of the Danish National Birth Cohort. I was granted 2,100,000 DKr (about \$261,100 with 2000 average exchange rate).
- 2005 Co-PI on a grant application to the Danish Medical Research Council to receive funding for 30 months of post-doc salary for Dr. Jinliang Zhu (Denmark) and travel for meetings of all co-investigators. Dr. Zhu was granted 1,099,200 DKr (about \$184,500 with 2005 average exchange rate).

Bibliography

Publications in peer-reviewed journals (in chronological order):

1. Zoia MC, Fanfulla F, Bruschi C, **Basso O**, De Marco R, Casali L, Cerveri I. Chronic respiratory symptoms, bronchial responsiveness and dietary sodium and potassium: a population-based study. *Monaldi Arch Chest Dis.* 1995;50:104-8.
2. **Basso O**, Olsen J, Bisanti L, Juul S, Boldsen J and The European Study Group of Infertility and Subfecundity: Is seasonal preferences in pregnancy planning a source of bias in studies of seasonal variation in reproductive outcomes? *Epidemiology* 1995;6(1):520-24.
3. Bisanti L, Karmaus W, **Basso O**, Thonneau P, Olsen J and The European Study Group of Infertility and Subfecundity: Is shift work a risk factor for subfecundity? A European multicentre study. *J Occ Environ Med* 1996;38:352-358.
4. **Basso O**, Olsen J, Bisanti L, Karmaus W and The European Study Group of Infertility and Subfecundity: The performance of several indicators in detecting recall bias. *Epidemiology.* 1997;8:269-274.
5. **Basso O**, Olsen J, Bisanti L, Bolumar F, Küppers-Chinnow M and The European Study Group on Infertility and Subfecundity. Repeating episodes of low fecundability. A multicenter European Study. *Human Reproduction.* 1997;7:1448-53.
6. **Basso O**, Olsen J, Johansen AMT, Christensen K. Change in social status and risk of low birth weight in Denmark: population based cohort study. *BMJ* 1997;315:1498-1502.
7. Olsen J, **Basso O**, Spinelli A, Kuppers-Chinnow M and The European Study Group of Infertility and Subfecundity: Correlates of care seeking for infertility treatment in Europe: implications for health services and research. *Eur J Public Health* 1998;8:15-20.
8. Christensen K, **Basso O**, Kyvik KO, Juul S, Boldsen J, Vaupel JW, Olsen J. Fecundability of female twins. *Epidemiology* 1998;9:189-92.
9. **Basso O**, Olsen J, Knudsen L, Christensen K. Low birthweight and preterm birth after short interpregnancy intervals. *Am J Obstet Gynecol* 1998;178:259-63.
10. **Basso O**, Olsen J, Christensen K. The risk of preterm delivery, low birthweight and growth retardation following spontaneous abortion. A registry-based study in Denmark. *Int J Epidemiol* 1998;27:642-6.

11. Olsen J, Juul S, **Basso O**. Measuring time to pregnancy. Methodological issues to consider. *Human Reproduction*. 1998;13(7):1751-6.
12. **Basso O**, Olsen J, Christensen K. Study of environmental, social, and paternal factors in preterm delivery using sibs and half sibs. A population-based study in Denmark. *J Epidemiol Comm Health* 1999;53:20-23.
13. Christensen K, Olsen J, Nørgaard-Pedersen B, **Basso O**, Støvring H, Milhollin-Johnson L, Murray JC. Oral clefts, transforming-growth-factor-alpha gene variants, and maternal smoking. A population based case-control study in Denmark 1991-1994. *Am J Epidemiol* 1999;149:248-55.
14. **Basso O**, Olsen J, Christensen K. Recurrence risk of congenital malformations -the impact of paternal, social, and environmental factors: a population-based study in Denmark. *Am J Epidemiol*. 1999;150(6):598-604.
15. **Basso O**, Olsen J, Christensen K. Low birth weight and prematurity in relation to paternal factors. A study of recurrence. *Int J Epidemiol* 1999;28(4):695-700.
16. Olsen J, Bonde JP, **Basso O**, Hjøllund NHI, Sørensen HT, Abell A. Birth weight and semen characteristics. *Int J Andrology*. 2000;23:230-5.
17. **Basso O**, Olsen J, Holm, NV, Skytthe A, Vaupel JW, Christensen K. Handedness and mortality. A follow-up study of Danish twins born from 1900 to 1910. *Epidemiology* 2000;11:576-80.
18. **Basso O**, Juul S, Olsen J. Time to pregnancy as a correlate of fecundity: differential persistence in trying to become pregnant as a source of bias. *Int J Epidemiol* 2000;29:856-861.
19. Yuan W, **Basso O**, Sørensen HT, Olsen J. Maternal prenatal lifestyle factors and Infectious disease in early childhood: a follow-up study of hospitalization within a Danish Birth Cohort. *Pediatrics* 2001;107:357-362.
20. Kaharuza F, Sabroe S, **Basso O**. Choice and chance: determinants of short interpregnancy intervals in Denmark. *Acta Obstet Gynecol Scand*. 2001;80(6):532-8.
21. **Basso O**, Christensen K, Olsen J. Higher risk of pre-eclampsia after change of partner. An effect of longer interpregnancy intervals? *Epidemiology*. 2001;12(6):624-9.
22. **Basso O**, Olsen J. Sex ratio and twinning in women with hyperemesis or pre-eclampsia. *Epidemiology*. 2001;12(6):747-9.
23. Yuan W, **Basso O**, Sorensen HT, Olsen J. Indicators of fetal growth and infectious disease in childhood--a birth cohort with hospitalization as outcome. *Eur J Epidemiol*. 2001;17(9):829-34.
24. Vestergaard M, **Basso O**, Henriksen TB, Ostergaard J, Olsen J. Febrile convulsions and sudden infant death syndrome. *Arch Dis Child*. 2002;86:125-6.
25. Vestergaard M, **Basso O**, Henriksen TB, Ostergaard JR, Olsen J. Risk factors for febrile convulsions. *Epidemiology*. 2002;13:282-7.
26. Zhu JL, **Basso O**, Hasle H, Winther JF, Olsen JH, Olsen J. Do parents of children with congenital malformations have a higher cancer risk? A nationwide study in Denmark. *Br J Cancer*. 2002;87:524-8.
27. Yuan W, **Basso O**, Sorensen HT, Olsen J. Fetal growth and hospitalization with asthma during early childhood: a follow-up study in Denmark. *Int J Epidemiol*. 2002;31:1240-5.
28. Christensen K, Kohler HP, **Basso O**, Olsen J, Vaupel J, Rodgers JL. Genetic factors in fecundability: A population-based twin study. *Epidemiology*. 2003;14:60-4.
29. **Basso O**, Weinberg CR, Baird DD, Wilcox AJ, Olsen J. Subfecundity as a correlate of pre-eclampsia. *Am J Epidemiol*. 2003;157:195-202.
30. Olesen AW, **Basso O**, Olsen J. Paternal genetic contribution to recurrence of prolonged pregnancy. *BMJ*. 2003;326(7387):476.
31. Vestergaard M, **Basso O**, Henriksen TB, Ostergaard J, Secher NJ, Olsen J. Pre-eclampsia and febrile convulsions. *Arch Dis Child*. 2003;88:726-7

32. Olsen J, Campi R, Frydenberg M, **Basso O**, Ebbesen P. Studying health consequences of microchimerism. Methodological problems in studying health effects of procreation with multiple individuals. *European J Epidemiol.* 2003;18:623-9.
33. **Basso O**, Baird DD. Infertility and preterm delivery, birthweight, and Caesarean section: a study within the Danish National Birth Cohort. *Human Reprod.* 2003;18:2478-84.
34. **Basso O**, Wilcox AJ, Baird DD, Weinberg CR, Olsen J. Height and risk of severe pre-eclampsia. A study within the Danish National Birth Cohort. *Int J Epidemiol.* 2004;33:858-863.
35. **Basso O**, Nøhr EA, Christensen K, Olsen J. Risk of twinning as a function of maternal height and body mass index. *JAMA.* 2004;291(13):1564-6.
36. Yuan W, Sorensen HT, **Basso O**, Olsen J. Prenatal maternal alcohol consumption and hospitalization with asthma in childhood: a population-based follow-up study. *Alcohol Clin Exp Res.* 2004;28:765-8.
37. **Basso O**, Christensen K, Olsen J. Fecundity and twinning. A study within the Danish National Birth Cohort. *Hum Reprod.* 2004;19:2222-2226.
38. Campi R, Frydenberg M, **Basso O**, Ebbesen P, Olsen J. Having children with different men and subsequent cancer risk. A nationwide study in Denmark. *Br J Cancer.* 2004; 90:1374-7.
39. **Basso O**, Campi R, Frydenberg M, Koch-Henriksen N, Brønnum-Hansen H, Olsen J. Multiple sclerosis in women having children by multiple partners. *Mult Scler.* 2004;10:621-5.
40. Zhu JL, Madsen KM, Vestergaard M, **Basso O**, Olsen J. Paternal age and preterm birth. *Epidemiology.* 2005;16:259-262.
41. **Basso O**, Olsen J. Subfecundity and neonatal mortality: longitudinal study within the Danish National Birth Cohort. *BMJ.* 2005;330:393-394.
42. Herskind AM, **Basso O**, Skytthe A, Olsen J, Christensen K. Is the natural twinning rate still declining? *Epidemiology.* 2005;16:591-2
43. **Basso O**, Frydenberg M, Olsen SF, Olsen J. Comparison of two definitions of small size at birth in relation to motor development at 6 months. *Epidemiology.* 2005;16:657-663.
44. Zhu JL, Madsen KM, Vestergaard M, Olesen AV, **Basso O**, Olsen J. Paternal age and congenital malformations. *Human Reprod.* 2005;20:3173-7.
45. Olsen J, Bonde JP, Hjollund NH, **Basso O**, Ernst E. Using infertile patients in epidemiologic studies on subfecundity and embryonal loss. *Hum Reprod Update.* 2005;11:607-11.
46. **Basso O**, Wilcox AJ. Paternal age and delivery before 32 weeks. *Epidemiology.* 2006;17:475-8.
47. **Basso O**, Wilcox AJ, Weinberg CR. Birth weight and mortality: causality or confounding? *Am J Epidemiol.* 2006;164:303-11
48. Zhu JL, **Basso O**, Obel C, Bille C, Olsen J. Infertility, infertility treatment and congenital malformations: the Danish National Birth Cohort. *BMJ.* 2006;333:679-83.
49. **Basso O**, Rasmussen S, Weinberg CR, Wilcox AJ, Irgens LM, Skjaerven R. Fetal and infant survival following preeclampsia from 1967 to 2003. *JAMA* 2006;296:1357-62.
50. Zhu JL, **Basso O**, Obel C, Christensen K, Olsen J. Infertility, infertility treatment and twinning: the Danish National Birth Cohort. *Human Reproduction.* 2007;22:1086-90.
51. Saldana TM, **Basso O**, Hoppin J, Baird D, Knott C, Blair A, Alavanja MCR, Sandler DP. Pesticide Exposure and Self-Reported Gestational Diabetes in the Agricultural Health Study. *Diabetes Care.* 2007;30:529-34.
52. Saldana TM, **Basso O**, Darden R, Sandler DP. Carbonated beverages and chronic kidney disease. *Epidemiology.* 2007;18:501-6.
53. Chen A, **Basso O**. Does low maternal blood pressure during pregnancy increase the risk of perinatal death? *Epidemiology.* 2007;18:619-22.

54. **Basso O**. Options and limitations in studies of successive pregnancy outcomes: an overview. *Paediatric and Perinatal Epidemiology*. 2007;21(suppl 1):8-12. (*Invited article for the special issue on the 2nd International Symposium on Successive Pregnancy Outcomes*)
55. Zhu JL, Obel C, Bech BH, Olsen J, **Basso O**. Infertility, infertility treatment and intrauterine growth restriction: Danish National Birth Cohort. *Obstet Gynecol*. *In press*.
56. Sun Y, Vestergaard M, Pedersen CB, Christensen J, **Basso O**, Olsen J. The risk of epilepsy as a correlate of gestational age, birth weight, and intrauterine growth. *Am J Epidemiol*. *In press*.

Invited commentaries

1. Olsen J, **Basso O**. Passiv rygning og hjerte-kar-sygdomme (Passive smoking and cardiovascular disease). *Ugeskr Læger* 1999;161:3674-5.
2. **Basso O**. Right or wrong? On the difficult relationship between epidemiologists and handedness. *Epidemiology*. 2007;18:191-3.

Letters

1. Olsen J, **Basso O**. Re: Residual confounding. *Am J Epidemiol*. 1999;149:290.
2. Olsen J, **Basso O**, Sorensen HT. What is a population-based registry? *Scand J Public Health*. 1999 Mar;27(1):78.
3. Olesen AW, **Basso O**, Olsen J. An estimate of the tendency to repeat postterm delivery. *Epidemiology* 1999;10:468-9.
4. **Basso O**, Fonager K, Olsen J. Are pregnancies shorter in leap years?. *Epidemiology* 2000;11:736-7.
5. Herskind AM, **Basso O**, Skytthe A, Olsen J, Christensen K. Is the natural twinning rate still declining? *Epidemiology*. 2005;16:591-2

Chapters in books

1. Olsen J, **Basso O**. Study design. In: *Teaching epidemiology*. Edited by J Olsen, R Saracci, D Trichopoulos. 2nd ed. Oxford University Press, 2001. p. 41-50.
2. Olsen J, **Basso O**. Reproductive epidemiology. In: *Handbook of Epidemiology*. Edited by J Pigeot and W Ahrens. Springer and Verlag, 2004. p.1043-1109.

Other publications

1. Formenti D, Cavagna P, **Basso O**: Le misure cefaliche nella popolazione italiana in accrescimento: analisi della variabilità geografica. (*Cephalic measurements in the Italian population during growth: analysis of geographical variability*). *Ist. Lombardo*, 1991;125:85-105.
2. de Marco R, Marinoni A, Bulgheroni A, **Basso O**, Zanolin ME et al. - Epidemiologia-Pavia: L'indagine CEE sulla prevalenza di asma bronchiale. Disegno dello studio in Lombardia. (*The EC Survey on asthma prevalence. Study design in Lombardy*). *Medicina Toracica*. 1992;14:187-195.
3. Olsen J, **Basso O**, Christensen K. Male factors and socioeconomic indicators correlate with the risk of spontaneous abortion. *J Obstet Gynaecol*. 1999;19:49-53.