

CURRICULUM VITAE

Carlos Florencio CORVALAN

Date of Birth: 1 June, 1953 (Chile)
E-mail (work): corvalan@bra.ops-oms.org
Nationality: Chilean / Australian
Languages: Spanish (first language)
English (excellent)
Portuguese (intermediate)
French (intermediate)

Qualifications

- PhD (Environmental Health), Nijmegen University, the Netherlands, 1998
- Master of Public Health (Epidemiology and Biostatistics), Sydney University, 1993
- Master of Arts (Social Demography), Macquarie University, Sydney, Australia, 1989
- Bachelor of Arts (Demography), Macquarie University, Sydney, Australia, 1986
- School of Engineering, Faculty of Sciences, Universidad de Chile, Santiago, 1972
- H.S.C. The International School 'Nido de Aguilas', Santiago, Chile, 1970

Specialized courses:

- International Course on Epidemiologic Data Analysis and Inference, Espoo, Finland, 1993.
- Advanced International Course on Epidemiologic Study Design, Riihimaki, Finland, 1992.

Professional experience

Present position (2008-2009): Senior Advisor, Sustainable Development and Environmental Health, Pan-American Health Organization, Brasilia, Brazil.

2003-2007: Coordinator, Occupational and Environmental Health. Department of Protection of the Human Environment, World Health Organization, Geneva.

1993-2003. Scientist, Department of Protection of the Human Environment, World Health Organization, Geneva.

1993 Biostatistician, Department of Epidemiology and Biostatistics, Finnish Institute of Occupational Health, Helsinki, Finland.

1990-93 Lecturer (Epidemiology and Biostatistics), National Institute of Occupational Health and Safety (Sydney University), Sydney, Australia.

1991-1993 Senior Professional Officer, Epidemiology and Surveillance Unit, National Occupational Health and Safety Commission.

1990-91 Senior Research Officer, Epidemiology and Surveillance Unit, National Occupational Health and Safety Commission.

Selected publications

Prüss-Üstün A, Bonjour S, Corvalán C. The impact of the environment on health by country: a meta-synthesis. *Environmental Health* 2008, 7:7 (<http://www.ehjournal.net/content/7/1/7>)

Pruss-Ustun A, Corvalan C. How Much Disease Burden can be Prevented by Environmental Interventions? *Epidemiology* 2007;18(1):167-178.

Campbell-Lendrum D, Corvalán C. Climate Change and Developing-Country Cities: Implications for Environmental Health and Equity. *J Urban Health*. 2007 May; 84(Suppl 1): 109–117.

McMichael AJ, Friel S, Nyong A, Corvalan C. Global environmental change and health: impacts, inequalities, and the health sector. *BMJ* 2008; 336: 191-194

Campbell-Lendrum D, Corvalán C, Neira M. Global climate change: implications for international public health policy. *Bull World Health Organ*. 2007 Mar ;85 (3):235-7

Haines A, Kovats R.S., Campbell-Lendrum D, Corvalan C. Climate change and human health: impacts, vulnerability and mitigation. *Lancet* 2006; 367:2101-09.

Butler C, Oluoch-Kosura W, Corvalan C, Fobil J., Koren H., Pingali P., Tancredi E., Zurek M., Hales S. Human well-being across the scenarios. In: Carpenter SR., . Pingali PL, Bennett EM and Zurek MB. *Ecosystems and Human Well-Being: Scenarios Vol 2*. Washington: Island Press, 2006: 411-429

Corvalan C, Campbell-Lendrum D. Focusing on the Future through the Looking Glass: Building Scenarios of Health and Environment. *EcoHealth*, Vol 2, N 1 / March, 2005

Carneiro F, Oliveira M, Netto G, Galvão L, Cancio J, Bonini E, Corvalan C. Development of Environmental Health Indicators in Brazil and Other Countries in the Americas. *Environ Health Perspect*. 2006 September; 114(9): 1407–1408.

Hales S, Corvalan C. Public health emergency on planet earth: Insights from the Millennium Ecosystem Assessment. *EcoHealth* 3, 130-135, 2006

M Fingerhut, D Imel Nelson, T Driscoll, M Concha-Barrientos, K Steenland, L Punnett, A Prüss-Üstün, J Leigh, C Corvalan, G Eijkemans, J Takala. The Contribution of Occupational Risks to the Global Burden of Disease: Summary and Next Steps. *La Medicina del Lavoro* 97(2):313-323 (2006)

Nelson D, Concha M, Driscoll T, Steenland K, Fingerhut M Punnett L, Pruss-Ustun A, Leigh J, Corvalan C. The Global Burden of selected occupational diseases and injury risks: Methods and summary. *Am J Ind Med* 48:400-418, 2005.

Butler, C.D., C. Corvalan, and H.S. Koren. Human health and well-being in global ecological scenarios. *Ecosystems*, 8(2):153-162, 2005

Driscoll T, Takala J, Steenland K, Corvalan C, Fingerhut M. Review of estimates of the Global Burden of injury and illness due to occupational exposures. *Am J Ind Med* 48:491-502, 2005.

Hales S, Butler CD, Woodward A, Corvalan C. Health Aspects of the Millennium Ecosystem Assessment. *EcoHealth*, **2004**; 1(2): 124-128.

McMichael A, Campbell-Lendrum D, Corvalan C, et al (Eds). *Climate change and human health – risks and responses*. WHO, **2003**

Prüss A, Corvalán CF, Pastides H, de Hollander AEM. Methodological considerations in estimating the burden of disease from environmental risk factors at national and global level. *International Journal of Occupational and Environmental Health*, **2001**, 7(1):58-67.

Corvalán C, Briggs D, Zielhuis G. (eds) *Decision-making in Environmental Health: from evidence to action*. E&FN SPON on behalf of WHO, London, **2000**

Smith K, Corvalán C, Kjellstrom T. How much global ill health is attributable to environmental factors? *Epidemiology* **1999**;10:573-584.

Corvalán C, Nurminen M, Pastides H (eds), Linkage Methods for Environment and Health Analysis - *Technical guidelines*. WHO, Geneva, 1997.

Fingerhut M, Driscoll T, Imel Nelson D, Concha-Barrientos M, Punnett L, Pruss-Ustin A, Steenland K, Leigh J, Corvalan C. Contribution of occupational risk factors to the global burden of disease. *SJWEH Suppl* 2005;no 1:00–00.

Corvalan C, Hales S, McMichael A (Eds). *Ecosystems and Human Well-Being: Health Synthesis*. WHO, 2005,.

Corvalan C, Hales S, Woodward A, et al. Consequences and Options for Human Health. In: *Millennium Ecosystem Assessment, Policy Responses Working Group*, Island Press, Washington DC (2005).

Butler CD, Oluoch-Kosura, W, Corvalan C, Fobil J, Koren H, Pingali P, Tancredi E, Hales S, Human well-being across the scenarios. In: *Millennium Ecosystem Assessment, Scenarios Working Group*, Island Press, Washington DC (2005).

Driscoll T, Fingerhut M, Nelson D, Concha M, Punnett L, Pruess A, Steenland K, Leigh J, Corvalan C. The contribution of occupational risk factors to the global burden of disease: A summary of findings. *Int J Ind Med*, 2005.

Pruess_Ustun A, Campbell-Lendrum D, Corvalan C, Woodward A (Eds) Environmental burden of disease series. 2005-2005

Prüss-Ustün A, Mathers C, Corvalan C, Woodward A. Environmental Burden of Disease Series No. 1. Introduction and methods, assessing the environmental burden of disease at national and local levels. Geneva, 2003 World Health Organization.

Concha-Barrientos M, Imel Nelson D, Driscoll T, Punnett L, Steenland K, Fingerhut M, Prüss-Üstün A, Corvalan C, Leigh J, The global burden of selected occupational disease and injury risks. In: Ezzatti M, Lopez AD, Rogers A, Murray CJL, editors. *Comparative Quantification of Health Risks: Global and Regional Burden of Disease Attributable to Selected Major Risk Factors*. Geneva, 2004, World Health Organization.

McMichael A, Pastides H, Prüss A, Corvalán C, Kay D. Update on WHO's initiative to assess environmental burden of disease. *Epidemiology*, 2001, 12(2):1-3.

Kovats S, Menne B, McMichael A, Corvalan C, Bertollini R. Climate change and human health: Impact and adaptation. WHO, 2000

McMichael A, Smith K, Corvalán C. Editorial - The sustainability transition: a new challenge. *Bulletin of the World Health Organization* 2000;78:1067.

Corvalán C, Kjellstrom T, Smith K. Health, environment and sustainable development: identifying links and indicators to promote action. *Epidemiology* 1999;10:656-660.

Nurminen M, Nurminen T & Corvalán C. Methodologic issues in epidemiologic risk assessment. *Epidemiology* 1999;10:585-593.

Briggs D, Corvalán C & Nurminen M (eds), Linkage Methods for Environment and Health Analysis - *General guidelines*. WHO, Geneva, 1996.

Kjellstrom T, Corvalán C. Developing a global professional network to strengthen training and research in environmental health. In G. Shahi, B. Levy, A. Binger, T. Kjellstrom & R. Lawrence (eds), International perspectives on environment, development and health - towards a sustainable world. Springer publishing company, NY, 1996.

Corvalán C, Kjellstrom T. Health and environment analysis for decision-Making. *Wld hlth statist. quart.*, 1995;48(2).

Kjellstrom T, Corvalán C. Framework for the development of environmental health indicators. *Wld hlth statist. quart.*, 1995;48(2).

Schwartz E, Corvalán C. Decision-making in environmental health. *Wld hlth statist. quart.*, 1995;48(2).

Driscoll T, Mandryk J, Corvalán C, et al. Health status and exposure of workers at a pilot brown coal liquefaction plant in Australia, 1985-1991. *Occup. Med.*, 1995;45(5).

Corvalán C, Driscoll T, Harrison J. The role of migrant factors in work-related fatalities in Australia. *Scand J Work, Environ & Health* 1994;20:364-70

Nurminen M, Corvalán C, Leigh J, Baker G. Prediction of silicosis and lung cancer in the Australian labour force exposed to silica. *Scand J Work, Environ & Health* 1992;18:393-399.

Leigh J, Corvalán C, Driscoll T, et al. Health status and exposure of workers at BCLV. Sydney; NIOHS, 1992.

Leigh J, Corvalán C, Grimwood A, Berry G, Ferguson D, Thompson R. The incidence of malignant mesothelioma in Australia 1982-1988. *Am J Ind Med* 1991;20:643-55.

Leigh J, Driscoll T, Baker G, Corvalán C. The Australian mesothelioma program: recent research results. *J Occup Health Safety - Aust NZ* 1991;7:365-71.

NIOHS. Mesothelioma Report: The incidence of mesothelioma in Australia (author of annual reports: 1990, 1991, 1992).

Corbett S, Corvalán C, Guttridge J, Harrison J, Kerr C, Taylor R. (1990). The magnitude of health disorders resulting from exposure to industrial chemicals (Government Report).