

## CURRICULUM VITAE

Name : R. SWAMINATHAN  
Age : 48 Years  
Sex : Male  
Date of Birth : 27th December 1961  
Father's Name : R. Rajaraman

### Educational Qualification

Degree	University	Subject	Year
M.Sc.	Madras, India	Statistics	1984
Ph.D.	Madras, India	Statistics	2002

I also underwent a one-year Post Graduate Programme in Epidemiology in Tampere School of Public Health, University of Tampere, Tampere, Finland, during 1999-2000 and is on the verge of completing the Ph.D. degree in Epidemiology under Prof.M.Hakama in University of Tampere.

### Post doctoral training

Fellowship	Outcome
I was awarded an IARC post-doctoral fellowship in Screening Group, Early Detection and Prevention Section, International Agency for Research on Cancer, Lyon, France, between December 16, 2008 and December 15, 2009 under the supervision of Dr.R.Sankaranarayanan	<p>A compendium of survival statistics based on 564,606 cases of 1-56 cancer sites from 27 registries in 14 countries is brought out as an IARC Scientific publication titled "Cancer survival in Africa, Asia, Caribbean and Central America (CanSurv)".</p> <p>A summary paper incorporating the salient features of the above was published in Lancet Oncology journal.</p> <p>Descriptive epidemiological features of cancer incidence data from rural cancer registry in Dindigul district, Tamil Nadu, India, were published as three articles in Cancer Epidemiology journal.</p>

### **Other training received**

1. I underwent training in *Survival Analysis* and was involved in data processing/analysis of survival data from developing countries at the Unit of Descriptive Epidemiology, International Agency for Research on Cancer (IARC), Lyon, France, for a period of one to three months in 1995, 1996 and 1997 on ICRETT fellowship and on IARC Special Training Awards.
2. I underwent a short training in *Statistical Analysis of Case-Control Studies* at Aichi Medical University, Nagoya, Japan, between 15th January and 1st February 1993, as part of an Indo-Japan cooperative study on female breast cancer at the Cancer Institute (WIA), Chennai, India.

### **Work Experience**

1. I am presently working as Associate Professor and Head, Department of Biostatistics and Cancer Registry, Cancer Institute (WIA), Chennai (Madras), India. I had first joined as Senior Biostatistician in December 1990 in the same department.
2. I worked as an Assistant Research Officer (Statistics) at the Centre for Advanced Research on Health and Behaviour, a project of Indian Council of Medical Research, in Govt. Rajaji Hospital, Madurai, India, between August 1984 and December 1990.

### **Assignments**

1. I am one of the EDITORS of the IARC Scientific publication titled "Cancer Survival in Africa, Asia, Caribbean and Central America (SurvCan)".
2. I visited the Khon Kaen Cancer Registry at Khon Kaen, Thailand, to render assistance in cancer survival analysis using different methods and approaches.

### **Current Research Interests**

Cancer Epidemiology : Cancer registration, survival analysis, case-control studies and clinical trial.

Bio-Statistics : Statistical modelling techniques arising from failure time data.

### **Professional Affiliation**

*Life member* of Indian Society of Medical Statistics (ISMS), New Delhi, India.

## Important publications

1. Swaminathan R, Rama R, Nalini S, Shanta V. Cancer Survival in Chennai (Madras), India: 1990-1999. In: Cancer Survival in Africa, Asia, the Caribbean and Central America (SurvCan). (Eds) R. Sankaranarayanan, R. Swaminathan, E. Lucas. IARC Publications, International Agency for Research on Cancer, Lyon, 2010. (<http://survival.iarc.fr/survivalchap14.php?id=14>)
2. Swaminathan R, Brenner H. Statistical methods for cancer survival analysis. In: Cancer Survival in Africa, Asia, the Caribbean and Central America (SurvCan). (Eds) R. Sankaranarayanan, R. Swaminathan, E. Lucas. IARC Publications, International Agency for Research on Cancer, Lyon, 2010. (<http://survival.iarc.fr/survivalchap2.php>)
3. Ganesh B, Swaminathan R, Mathew A, Hakama M. Loss-adjusted hospital and population-based survival of cancer patients. In: Cancer Survival in Africa, Asia, the Caribbean and Central America (SurvCan). (Eds) R. Sankaranarayanan, R. Swaminathan, E. Lucas. IARC Publications, International Agency for Research on Cancer, Lyon, 2010. (<http://survival.iarc.fr/survivalchap3.php>)
4. Swaminathan R, Lucas E, Sankaranarayanan R. Cancer Survival in Africa, Asia, Caribbean and Central America: database and attributes. In: Cancer Survival in Africa, Asia, the Caribbean and Central America (SurvCan). (Eds) R. Sankaranarayanan, R. Swaminathan, E. Lucas. IARC Publications, International Agency for Research on Cancer, Lyon, 2010. (<http://survival.iarc.fr/survivalchap4.php>)
5. Sankaranarayanan R, Swaminathan R, Jayanth K, Brenner H. An overview of cancer survival in Africa, Asia, Caribbean and Central America: the case for investments in cancer health services. In: Cancer Survival in Africa, Asia, the Caribbean and Central America (SurvCan). (Eds) R. Sankaranarayanan, R. Swaminathan, E. Lucas. IARC Publications, International Agency for Research on Cancer, Lyon, 2010. (<http://screening.iarc.fr/survivalchap32.php>)
6. Swaminathan R, Selvakumaran R, Esmey PO, Sampath P, Ferlay J, Jissa V, Shanta V, Cherian M, Sankaranarayanan R. Cancer pattern and survival in a rural district in South India. *Cancer Epidemiol.* 2009 Nov;33(5):325-31. Epub 2009 Oct 22. PubMed PMID: 19853553.
7. Swaminathan R, Selvakumaran R, Vinodha J, Ferlay J, Sauvaget C, Esmey PO, Shanta V, Sankaranarayanan R. Education and cancer incidence in a rural population in south India. *Cancer Epidemiol.* 2009 Aug;33(2):89-93. Epub 2009 Aug PubMed PMID: 19679053.
8. Swaminathan R, Sankaranarayanan R; on behalf of other authors. Under-diagnosis and under-ascertainment of cases may be the reasons for low childhood cancer incidence in rural India. *Cancer Epidemiol.* 2009 Dec 18. [Epub ahead of print] PubMed PMID: 20022839.
9. Sankaranarayanan R, Swaminathan R, Brenner H, Chen K, Chia KS, Chen JG, Law SC, Ahn YO, Xiang YB, Yeole BB, Shin HR, Shanta V, Woo ZH, Martin N, Sumitsawan Y, Sriplung H, Barboza AO, Eser S, Nene BM, Suwanrungruang K, Jayalekshmi P, Dikshit R, Wabinga H, Esteban DB, Laudico A, Bhurgri Y, Bah E, Al-Hamdan N. Cancer survival in Africa, Asia and Central America: a population-based study. *Lancet Oncol.* [Epub ahead of print] PubMed PMID: 20005175
10. Samson M, Rama R, Swaminathan R, Sridevi V, Nancy KN, Rajkumar T. CYP17 (T34C), CYP19 (Trp39Arg) and FGFR2(C906T) polymorphisms and the risk of breast cancer in south Indian women. *Asian Pac J Cancer Prev.* 2009 Jan-Mar; 10(1):111-4. PubMed PMID: 19469636.

11. Nambaru L, Meenakumari B, Swaminathan R, Rajkumar T. Prognostic significance of HPV physical status and integration sites in cervical cancer. *Asian Pac J Cancer Prev*. 2009 Jul-Sep;10(3):355-60. PubMed PMID: 19640172.
12. Soumitra N, Meenakumari B, Parija T, Sridevi V, Nancy KN, Swaminathan R, Rajalekshmy KR, Majhi U, Rajkumar T. Molecular genetics analysis of hereditary breast and ovarian cancer patients in India. *Hered Cancer Clin Pract*. 2009 Aug 6;7(1):13. PubMed PMID: 19656415; PubMed Central PMCID: PMC2731042.
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14. Swaminathan R, Rama R, Shanta V. Lack of active follow up of cancer patients in Chennai, India: implications for population based survival estimates. *Bull World Health Organ* 2008; 86(7): 509-15.
15. Swaminathan R, Rama R, Shanta V. Childhood cancers in Chennai, India, 1990-2001: Incidence and survival. *Int J Cancer* 2008; 122(11): 2607-11.
16. Sankaranarayanan R, Esmey PO, Rajkumar R, Muwonge R, Swaminathan R, Shantakumari S, Fayette JM, Cherian J. Effect of visual screening on cervical cancer incidence and mortality in Tamil Nadu, India: a cluster-randomised trial. *Lancet* 2007; 370: 398–406.
17. Nandakumar A, Swaminathan R. Burden of Cancer. In: Cancer Awareness, Prevention and Control: Strategies for South Asia. (eds) KA Dinshaw, SS Shastri, AP Kurkure and A Nandakumar. UICC Handbook for South Asia, UICC World Cancer Congress, Washington DC, 2006, pp 14-25.
18. Nair MK, Varghese C, Swaminathan R. Cancer: Current scenario, intervention strategies and projections for 2015. *National Commission on Macroeconomics and Health (NCMH) Background Papers - Burden of Disease in India*, Ministry of Health and Family Welfare, New Delhi, 2005, pp 219-225.
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20. Sriamporn S, Swaminathan R, Parkin DM, Kamsa-Ard S, Hakama M. Loss-adjusted survival of cervix cancer in Khon Kaen, Northeast Thailand. *British Journal of Cancer* 2004; 91: 160-110.
21. Shanta V, Swaminathan R, Devarajan S, Shanthi P. Survival comparisons between cohort and period approaches of top two cancers over four decades from Chennai, India. In: *Abstract. XXVI Annual Meeting of International Association of Cancer Registries*, Beijing, China, 2004.
22. Chandra A, Sagar TG, Swaminathan R. Child Cancer Epidemiology among Asian population in Indian Sub-continent. A single institutional study from a Developing Country. *Ann Oncol*, 2004; iii: 148 (Abstract).
23. Rajkumar T, Soumitra N, Nancy NK, Swaminathan R, Sridevi V, Shanta V. BRCA1, BRCA2 and CHEK2 (1100 del C) germline mutations in hereditary breast and ovarian cancer families in South India. *Asian Pac J Cancer Prev* 2003; 4: 203-8.

24. Gopal G, Swaminathan R. Equity in survival from cancers of the cervix and oral cavity in Chennai, India. Report of Project under the Ministry of Statistics and Program Implementation, Govt. of India, New Delhi, 2003.
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26. Sagar TG, Chandra A, Ramanan SG, Swaminathan R. Paucity of hematological neoplasia after treatment of Hodgkin disease: observation after long-term follow-up at Cancer Institute, Chennai, South India. *Pediatr Hematol Oncol* 2002; 19(3): 197-203.
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34. Shanta V, Gajalakshmi CK, Swaminathan R. *India: Madras Metropolitan Tumour Registry, 1982-1992*. In: Parkin DM, Kramarova E, Draper GJ, Masuyer E, Michaelis J, Neglia S, Qureshi S, Stiller CA (eds). International Incidence of Childhood Cancer, Vol.II, IARC Scientific Publication No. 144, Lyon, 1998, pp 169-172.
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