

Curriculum Vitae

Neil A Martinson

Postal Address
27 Illovo Rd
Emmarentia 2195
SOUTH AFRICA

Tel: +27823316756
Email: martinson@hivsa.com

Educational Qualifications

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of the Witwatersrand, Johannesburg, SA	MBBCH	1988	Medical Doctor
School of Public Health, Johns Hopkins University, Baltimore MD	MPH	2001	Public Health with a certificate in management
College of Medicine, South Africa	MFGP	1992	Board certification as a Family Physician
College of Medicine, South Africa	Diploma in Child Health	1992	Pediatrics
Johns Hopkins University	Postdoctoral fellowship	2001	Care for people living with HIV

Employment History

June 2002-present Deputy Director Perinatal HIV Research Unit.
July 2006-present Assistant Professor. Division of Infectious Diseases, Johns Hopkins University School of Medicine

Dr Martinson returned to South Africa from the US in 2001 where he graduated with a Masters in Public Health from Johns Hopkins University and completed a 6-month post doctoral fellowship paid for by scholarships from the Fogarty International Program at the School of Public Health.

At the Perinatal HIV Research Unit (PHRU), he was initially employed to manage a **large randomized controlled trial** of preventive treatment against TB in HIV-infected adults. However, during the start up phase developed an interest in viral resistance in women exposed to single dose nevirapine and started a USAID funded **Wellness clinic** for adults living with HIV. The latter program was implemented at two sites (Soweto and Tintswalo Hospital) using primary care nurses as the major health providers. Another of his projects is a US government funded **private sector ARV treatment center** located in the inner city of Johannesburg (www.zuzimpilo.co.za) which provides ARV care to over 700 people, pre-ARV care to 1200 HIV-infected adults and VCT to people who can afford to pay for a portion

of their care. Dr Martinson currently is the principal investigator of four large studies each with over 1000 participants and has a total staff complement of 30 including doctors, research nurses and data staff reporting to him and an annual budget of approximately USD2m. He is the PI of a Fogarty International Center grant for TB/HIV research training. From being a research associate in the School of Medicine at Johns Hopkins University he is now an Assistant Professor in the School of Medicine at Johns Hopkins and a Deputy Director of the Perinatal HIV Research Unit where he chairs the Protocol Review Committee (the PHRU's protocol review board) and deputises for the directors Professors Gray and McIntyre. He has published numerous papers in international journals which reflect his many international and local multidisciplinary collaborations and has had numerous oral and poster presentations at international AIDS conferences.

Sept 1996 – May 2000 Executive Officer: Community Health, Eastern Metropolitan Local Council, Johannesburg

July 1998 – May 2000 Acting Executive Officer: Urban Environmental Management, Eastern Metropolitan Local Council, Johannesburg

Dr Martinson managed the local government primary care services for the now-devolved Eastern Metropolitan Council of Johannesburg which included the eastern areas of Johannesburg. The area he was responsible for was an amalgamation of 100 members of staff – over half of them nurses- from three local councils all with differing conditions of service.

The first challenge was to get them to work together as colleagues but more difficult, was to get them to start offering comprehensive primary care at each of the 13 clinics in his jurisdiction. Over a period of the first three years of his tenure all clinics became TB and STI diagnosis and treatment centers and about half the nurses were sent for primary health care training. Moreover, he project managed the budgets and contracting of the building or renovation of four primary clinics in his health district, three of them in Alexandra and one in Yeoville. Furthermore, the East was able to overcome traditional animosity between Local and Provincial Government with the result that staff from both tiers of government worked side-by-side in almost all clinics. He was actively involved in the Gauteng Provincial TB control programme and was a board member of the Alexandra Health Center and University Clinic and successfully campaigned for the integration of the Clinic into the district health services and for the continuation of their subsidy from the Provincial Health Department.

In addition to the position of Community Health, on the resignation from the Eastern Metropolitan Council of Dr Angela Mathee, he acted as the Executive Officer of the Urban Environmental Management portfolio. This added a further 150 staff member from a diverse range of disciplines from park rangers to health inspectors and included 30-strong public facilities unit. During this time he managed a major food poisoning outbreak at the All Africa Games and was involved in the containment of an Ebola virus potential epidemic. Prior to leaving the Eastern Metropolitan Council, he chaired the committee for the City of Johannesburg's health portfolio that was redesigning Municipal services.

**Sept 1995 – Aug 1996 Senior Medical Officer, Pretoria City Council
(Tshwane Metro)**

He was in charge of the TB and STI services and had a staff of 5 doctors reporting. This was when the new national TB and STI guidelines were being implemented. During this time, he was selected for management training by the City Council of Pretoria.

**Oct 1994 – Aug 1995 Medical Officer, Riverfield Lodge Drug and
Alcohol Rehabilitation Center, Johannesburg**

**Jan 1992 – April 1994 Medical Officer, Soweto Community Health
Centers**

He worked as a medical officer in Soweto while and after his vocational training in family medicine.

**Jul 1991 – Dec 1991 Senior House Officer: Pediatrics, Chris Hani
Baragwanath Hospital**

**Jan 1991 – Jun 1991 Senior House Officer: Orthopedics,
Johannesburg Hospital**

Aug 1990 – Oct 1990 Locum tenens, Hospitals in the UK NHS

**Feb 1990 – Jun 1990 Medical Officer, Bethesda Hospital Kwa Zulu /
Natal**

Jan 1989 – Dec 1989 Intern, Chris Hani Baragwanath Hospital

Honours

- 1999** Best Research Presentation, Health Systems Trust Annual Conference.
- 2004** Award for oral presentation to annual Surgical Research Day University of the Witwatersrand
- 2005** Travel grant from IAS to attend IAS Conference in Rio de Janeiro
- 2006** Travel grant to attend CROI 2006.
- 2000** Fogarty International Fellow to attend MPH program at Johns Hopkins School of Public Health

Peer-Reviewed Publications.

1. Tsai A, Chopra M, Pronyk P, **Martinson N**. Socioeconomic disparities in access to HIV/AIDS treatment programs in resource-limited settings. *AIDS Care* IN PRESS.
2. Adam Y, van Gelderen CJ, de Bruyn G, McIntyre JA, Turton DA, **Martinson NA**. Predictors of persistent cytologic abnormalities after treatment of cervical intraepithelial neoplasia in Soweto, South Africa: a cohort study in a HIV high prevalence population. *BMC Cancer*. 2008 Jul 25;8:211.

3. Chhagan V, Luiz J, Mohapi L, McIntyre J, **Martinson N**. The socioeconomic impact of antiretroviral treatment on individuals in Soweto, South Africa. *Health Sociology Review*. 2008 17 (1): 95-106.
4. Walensky RP, Wood R, Weinstein MC, **Martinson NA**, Losina E, Fofana MO, Goldie SJ, Divi N, Yazdanpanah Y, Wang B, Paltiel AD, Freedberg KA; CEPAC-International Investigators. Scaling up antiretroviral therapy in South Africa: the impact of speed on survival. *J Infect Dis*. 2008 May 1;197(9):1324-32.
5. Chaisson RE, **Martinson NA**. Tuberculosis in Africa--combating an HIV-driven crisis. *N Engl J Med*. 2008 Mar 13;358(11):1089-92.
6. Lurie M, Pronyk P, de Moor E, Heyer A, de Bruyn G, Struthers H, McIntyre J, Gray G, Marinda E, Klipstein-Grobusch K, **Martinson N**. Sexual Behavior and Reproductive Health Among HIV-Infected Patients in Urban and Rural South Africa. *J Acquir Immune Defic Syndr*. 2008 Apr 1;47(4):484-493.
7. McIntyre JA, **Martinson NA**. Prophylactic regimens to prevent mother-to-child transmission of HIV and their effect on future therapy. *Therapy* Nov 2007 4(6): 797-805
8. Thomas L, Manning A, Holmes CB, Naidoo A, van der Linde F, Gray G. **Martinson NA**. Comparative costs of inpatient care for HIV-infected and uninfected adults and children in Soweto. *J Acquir Immun Defic Syndr*
9. **Martinson NA**, Karstaedt A, Venter, WDF et al. Immediate causes of death in hospitalized patients with TB: An autopsy study. *AIDS*.
10. **Martinson NA**, Ekouevi D, Dabis F, Morris L, Lupodwana P, Besigin Tonwe-Gold B, Dhlamini P, Becquet R, Steyn J, Leroy V, Viho I, Gray GE, McIntyre JA. Transmission rates in consecutive pregnancies exposed to single-dose nevirapine in Soweto, South Africa and Abidjan, Côte d'Ivoire. *J Acquir Immun Defic Syndr*. IN PRESS
11. Seoghe C, Ketwaroo F, Pillay V, Scheffler K, Wood N, Duffet R, Zvelebil M, **Martinson N**, McIntyre J, Morris L, Hide W. A Model of Directional Selection Applied to the Evolution of Drug Resistance in HIV-1. *Mol Biol Evol*. 2007 Feb 14; [Epub ahead of print]
12. de Bruyn G, Smith MD, Gray GE, McIntyre JA, Wesson R, Passos GD, **Martinson NA**. Circumcision for prevention against HIV: marked seasonal variation in demand and potential public sector readiness in Soweto, South Africa. *Implement Sci*. 2007 Jan 25;2:2.
13. **Martinson NA**, Morris L, Gray G, et al. Selection and persistence of viral resistance in HIV-infected children after exposure to single-dose nevirapine. *J Acquir Immune Defic Syndr*. 2007 Feb 1;44(2):148-53.
14. Dwolatzky B, Trengove E, Struthers H, McIntyre JA, **Martinson NA**. Linking the global positioning system (GPS) to a personal digital assistant (PDA) to support tuberculosis control in South Africa: a pilot study. *Int J Health Geogr*. 2006 Aug 16;5:34.
15. Holmes CB, Zheng H, **Martinson NA**, Freedberg KA, Walensky RP. Optimizing treatment for HIV-infected South African women exposed to single-dose nevirapine: balancing efficacy and cost. *Clin Infect Dis*. 2006 Jun 15;42(12):1772-80.
16. Kali PB, Gray GE, Violari A, Chaisson RE, McIntyre JA, **Martinson NA**. Combining PMTCT With Active Case Finding for Tuberculosis. *J Acquir Immune Defic Syndr*. 2006 Apr 24
17. Kotzee T, Pronyk P, Vardas E, Heyer T, **Martinson N**. HIV and Hepatitis B coinfection in Southern Africa: A review for general practitioners. *Southern African Journal of HIV Medicine*. June 2006.
18. Palmer S, Boltz V, **Martinson N**, Maldarelli F, Gray G, McIntyre J, Mellors J, Morris L, Coffin J. Persistence of nevirapine-resistant HIV-1 in women after single-dose nevirapine therapy for prevention of maternal-to-fetal HIV-1 transmission. *Proc Natl Acad Sci U S A*. 2006 May 2;103(18):7094-9.
19. **Martinson N**, Omar T, Steyn J, et al. High Prevalence of HIV in surgical patients. Implications for counseling and resource utilization. *Trans R Soc Trop Med Hyg*. 2006 June 28.
20. Morris L, Pillay C, Chezzi C, Lupondwana P, Ntsala M, Levin L, Venter F, **Martinson N**, Gray G, McIntyre J. Low frequency of the V106M mutation among HIV-1 subtype C-infected pregnant women exposed to nevirapine. *AIDS*. 2003 Jul 25;17(11):1698-700
21. Johnson JA, Li JF, Morris L, **Martinson N**, Gray G, McIntyre J, Heneine W. Emergence of drug-resistant HIV-1 after intrapartum administration of single-dose nevirapine is substantially underestimated. *J Infect Dis*. 2005 Jul 1;192(1):16-23
22. Karas JA, Nicol MP, **Martinson N**, Heubner R. 2001. An outbreak of food poisoning

among children attending an international sports event in Johannesburg. S Afr Med J
91(5): 417-21

Letters, Case Reports and Non-Peer-Reviewed Articles

1. **Martinson N. A.** 1997. Primary care-continuity v. segregation. S Afr Med J 87(6): 765
2. **Martinson N,** Morris L, Gray G, McIntyre J. 2004 Prevention of mother-to-child Transmission: A report-back from the XV International AIDS Conference, Bangkok, 11 - 16 July 2004. Southern African Journal of HIV Medicine Vol.16 August 2004: 17-21.
3. **Martinson N,** Hausler H, Churchyard G, Lawn S. Dealing with the dual epidemics of HIV and TB. Symposium at the 2nd South African AIDS Conference. Southern African Journal of HIV Medicine Vol.20 Sept 2005: 33-35.

Book Chapters and Monographs

1. **Martinson NA,** Radebe B, Mntambo M. Violari A. Antiretrovirals. In South African Health Review 2002. Health Systems Trust Durban 2003