

Curriculum vitae – James Christoffel Heunis

Research: Christo Heunis has worked as a social and health systems researcher at the Centre for Health Systems Research & Development (CHSR&D), University of the Free State (UFS) since 1997 and has participated in 41 health systems research and development projects, 15 as principal investigator. His main research interests include, *firstly*, the social and health systems dynamics and ramifications of the tuberculosis (TB), HIV/AIDS, and COVID-19 epidemics and the TB-HIV/AIDS-COVID-19 co-epidemic; and, *secondly*, the (social and health system) roles of the hospital - and of hospitalisation – again especially in respect of TB, HIV, COVID-19 respectively and of TB-HIV-COVID-19 combined. He has authored or co-authored seven book chapters and 46 peer-reviewed journal articles.

Scholarly and community engagement: Nationally, he is a member of the National Health Research Committee and of the National Health Systems Research Ethics Committee (Health Systems Trust). Provincially, he is the vice-chairperson of the Free State Provincial Health Research Committee and a member of the organising team of the annual Free State Health Research Day. Locally, he is the chair of the Board of Mosamaria AIDS Ministry.

Qualifications

2004: PhD Sociology, University of the Free State (UFS). *Hospitalisation for tuberculosis in the Free State, South Africa.*

1994: MSocSc Sociology (Cum laude), University of the Orange Free State (UOFS).

Arbeidsverhoudinge in die landbousektor met verwysing na die Bloemfontein area.

1991: BSocSc Honours Sociology (Cum laude), UOFS. *Die ervaring van werktevredeheid onder die personeel van die Universiteit van die Oranje-Vrystaat.*

1990: BSocSc (Cum laude), UOFS.

Career

2015: Associate Professor, Centre for Health Systems Research & Development (CHSR&D), UFS.

2010: Director, CHSR&D, UFS.

2009: Acting Director, CHSR&D, UFS.

2008: Associate Professor, CHSR&D, UFS.

2006: Senior Researcher, CHSR&D, UFS.

1997: Researcher, CHSR&D, UOFS.

1995: Lecturer, Department of Sociology, UOFS.

1993: Junior Lecturer, Department of Sociology, UOFS.

1991: Research Assistant, Department of Sociology, UOFS.

Rating and awards

2019-23: NRF rating – Category C (Level 2 – established researcher).

2016: Prize for Second Best Operational/Action Research Presentation. Free State Health Research Day, 27-28 October.

2013-18: NRF rating – Category C (Level 2 – established researcher).

2013: Merit Increase, Faculty of the Humanities, UFS.

2009: Merit Bonus, Faculty of the Humanities, UFS.

- 2008: American International Health Alliance (AIHA) HIV/AIDS Twinning Center award to attend the Annual Graduate Summer Institute of Epidemiology and Biostatistics. Bloomberg School of Public Health at Johns Hopkins University, 16 June-3 July.
- 2007-12: NRF rating – Category C (Level 3 – established researcher).
- 2006: Universitair Centrum Sint-Ignatius (UCSIA) award for postdoctoral study at the Department of Sociology, University of Antwerp, 25 September-10 December.
- 2001: NRF Bursary for Doctoral study, Department of Sociology, University of Antwerp, 16 May-8 July.
- 2001: PhD Bursary: NRF.
- 1999: Programme facilitator of the Free State Goldfields Public Health Management Development Programme.
- 1994: UOFS Honorary Colours – Academic.
- 1994: Dean's Medallion for Best Master Student in the Faculty of the Social Sciences, UOFS.
- 1993: Master's Bursary: Human Sciences Research Council.
- 1992: UOFS Academic Merit Bursary.
- 1992: Dean's Medallion for Best Honours Student in the Faculty of the Social Sciences, UOFS.
- 1991: Honours Bursary: Human Sciences Research Council.
- 1991: Van Schaik Prize for Best Third-year Sociology Student, UOFS.
- 1991: Renier Viljoen Shield for Best Third-year Student in Social Research Methodology, UOFS.
- 1991: Academic Merit Bursary, UOFS.
- 1990: Academic Merit Bursary, UOFS.

Research outputs

Book part

- 2013: van Rensburg D & Heunis C. Part 4: Health and the Environment. In: U Pillay, G Hagg, F Nyamnjoh & J Jansen (Eds.), *State of the Nation South Africa 2012-2013. Addressing inequality and poverty*. Pretoria, Human Sciences Research Council (HSRC) Press; pp. 467-577; ISBN: 978-0-7969-2422-3; E-ISBN: 978-0-7969-2424-7.

Book chapters

- 2018: Heunis JC, Sofola O & Samson K. Prevention and control of tuberculosis in Africa. In: DA Ogunmekan, YK Seedat, AT Onajole & AO Osibogun (Eds.), *Public Health in Africa*. Lagos: Centre for Epidemiology and Health Development; pp. 159-182; ISBN: 978-978-950-045-1.
- 2013: van Rensburg D & Heunis C. Towards greater equality and equity: Introducing health and the environment. In: U Pillay, G Hagg, F Nyamnjoh & J Jansen (Eds.), *State of the Nation South Africa 2012-2013. Addressing Inequality and Poverty*. Pretoria/Cape Town, Human Sciences Research Council (HSRC) Press; pp. 469-484; ISBN: 978-0-7969-2422-3.
- 2012: Heunis JC & Janse van Rensburg AP. Hospitals and hospital reform in South Africa. In: HCJ van Rensburg (Ed.), *Health and Health Care in South Africa*. Second edition. Pretoria, Van Schaik Publishers; pp. 535-591; ISBN: 978-0-627-030130.
- 2012: Heunis JC, Wouters E & Kigozi NG. HIV, AIDS and tuberculosis in South Africa: trends, challenges and responses. In: HCJ van Rensburg (Ed.), *Health and Health Care in South Africa*. Second edition. Pretoria, Van Schaik Publishers; pp. 293-360; ISBN: 978-0-627-030130.

- 2012: van Rensburg HCJ, Heunis JC & Steyn F. Human resources for health and the health professions in South Africa. In: HCJ van Rensburg (Ed.), *Health and Health Care in South Africa*. Second edition. Pretoria, Van Schaik Publishers; pp. 361-431; ISBN: 978-0-627-030130.
- 2004: Heunis JC. Hospitals and hospital reform in South Africa. In: HCJ van Rensburg (Ed.), *Health and Health Care in South Africa*. Pretoria, Van Schaik Publishers; pp. 459-505; 46; ISBN: 0-627-02563-3.
- 2000: van Rensburg D, Viljoen R, Heunis C, Janse van Rensburg E & Fourie A. Primary Health Care Facilities Survey. In: A Ntuli, N Crisp, E Clark & P Barron (Eds.), *South African Health Review 2000*. Durban, Health Systems Trust; pp. 3-50; ISBN: 1919839-16-X.

Peer reviewed journal articles

- 2021: Engelbrecht MC, Heunis JC & Kigozi NG. Post-traumatic stress and coping strategies of South African nurses during the second wave of the COVID-19 pandemic. *International Journal of Environmental Research and Public Health*. 18(15):7919.
- 2020: Peresu E, Heunis JC, Kigozi NG & De Graeve D. Task-shifting directly observed treatment and multidrug-resistant tuberculosis injection administration to lay health workers: stakeholder perceptions in rural Eswatini. *Human Resources for Health*. 18:97.
- 2020: Kigozi G, Heunis C, Engelbrecht M. Community health worker motivation to perform systematic household contact tuberculosis investigation in a high burden metropolitan district in South Africa. *BMC Health Services Research*. 20:882.
- 2020: Peresu E, Heunis JC, Kigozi NG & De Graeve D. Patient satisfaction with directly observed treatment and multidrug-resistant tuberculosis injection administration by lay health workers in rural Eswatini. *African Journal of Primary Health Care & Family Medicine*. 12:1.
- 2020: Malakoane B, Heunis JC, Chikobvu P, Kigozi NG & Kruger WH. Public health system challenges in the Free State, South Africa: a situation appraisal to inform health system strengthening. *BMC Health Services Research*. 20:58.
- 2019: Kigozi NG, Heunis JC & Engelbrecht MC. Yield of systematic household contact investigation for tuberculosis in a high-burden metropolitan district of South Africa. *BMC Public Health*. 19:867.
- 2019: Mofolo N, Heunis C & Kigozi GN. Towards National Health Insurance: Alignment of strategic human resources in South Africa. *African Journal of Primary Health Care & Family Medicine*. 11(1):a1928.
- 2018: Howell E, Kigozi G & Heunis C. Community-based directly observed treatment for TB patients to improve HIV services: a cross-sectional study in a South African province. *BMC Health Services Research*. 18(1):255.
- 2018: Kigozi G, Engelbrecht M, Heunis C & Janse van Rensburg A. Household contact non-attendance of clinical evaluation for tuberculosis: a pilot study in a high burden district in South Africa. *BMC Infectious Diseases*. 18:106.
- 2017: Kigozi NG, Heunis JC, Engelbrecht MC, Janse van Rensburg AP & van Rensburg HCJD. Tuberculosis knowledge, attitudes and practices of patients at primary health care facilities in a South African metropolitan: research towards improved health education. *BMC Health Services Research*. 17:795.
- 2017: Heunis JC, Kigozi NG, Chikobvu P, Botha S & van Rensburg HCJ. Risk factors for mortality during TB treatment: a 10-year electronic record review in a South African province. *BMC Public Health*. 17:38.

- 2017: Kigozi G, Heunis C, Chikobvu P, Botha S & van Rensburg D. Factors influencing treatment default among tuberculosis patients in a high burden province of South Africa. *International Journal of Infectious Diseases*. 54:95-102.
- 2015: Peters JA, Heunis C, Kigozi G, Osoba T & van der Walt M. Integration of TB/HIV services at an ANC facility in Frances Baard District, Northern Cape, South Africa. *Public Health Action*. 5(1):30-35.
- 2014: Heunis JC, Kigozi NG, van der Merwe S, Chikobvu P & Beyers N. Sex-related trends in non-conversion of new smear-positive tuberculosis patients in the Free State, South Africa. *Public Health Action*. 4(1):66-71.
- 2014: Kigozi NG, Chikobvu P, Heunis JC & van der Merwe S. A retrospective analysis of two-month sputum smear non-conversion in new sputum smear positive tuberculosis patients in the Free State Province, South Africa. *Journal of Public Health in Africa*. 5(324):68-72.
- 2013: Heunis JC, Wouters E, Kigozi G, Janse van Rensburg-Bonthuyzen E & Jacobs N. TB/HIV-related training, knowledge and attitudes of community health workers in the Free State province, South Africa. *African Journal of AIDS Research*. 12:2:113-119.
- 2011: Wouters E, Heunis C, Michielsen J, Van Loon FB & Meulemans H. The long road to universal antiretroviral treatment coverage in South Africa. *Future Virology*. 6(7):801-812.
- 2011: Kigozi NG, Heunis JC, Wouters E & van den Berg HS. Tuberculosis patients' reasons for, and suggestions to address non-uptake of HIV testing: a cross-sectional study in the Free State Province, South Africa. *BMC Health Services Research*. 11:110.
- 2011: Heunis JC, Wouters E, Norton WE, Engelbrecht MC, Kigozi NG, Sharma A & Ragin C. Patient- and delivery-system factors related to acceptance of HIV counseling and testing services among TB patients in South Africa: a qualitative study with community health workers and program managers. *Implementation Science*. 6:27.
- 2011: Heunis C, Wouters E, Kigozi G, Engelbrecht M, Tsibolane Y, van der Merwe S & Motlhanke S. Accuracy of tuberculosis routine data and nurses' views of the TB-HIV information system in the Free State, South Africa. *Journal of the Association of Nurses in AIDS Care*. 22(1):67-73.
- 2011: Malik AU, Hill PS, Heunis C & Ulikpan A. Power politics: researching the informal social networks in health policy analysis. *Pakistan Journal of Public Health*. 1(1):61-63.
- 2011: Pienaar A, Swanepoel Z, van Rensburg D & Heunis C. A qualitative exploration of resilience in pre-adolescent AIDS orphans living in a residential care facility. *SAHARA-J: Journal of Social Aspects of HIV/AIDS*. 8(3):128-137.
- 2011: Kigozi NG, Heunis JC & van den Berg HS. Tuberculosis patients' perspectives on HIV counselling by lay counsellors vis-à-vis nurses: an exploratory study in two districts of the Free State Province, South Africa. *Africa Journal of Nursing and Midwifery*. 13(1):71-80.
- 2010: Wouters E, Heunis C, Ponnet K, Van Loon F, Booyens FIR, van Rensburg D & Meulemans H. Who is accessing public-sector anti-retroviral treatment in the Free State, South Africa? An exploratory study of the first three years of programme implementation. *BMC Public Health*. 10:387.
- 2010: Kigozi NG, Heunis JC, Chikobvu P, van den Berg H, van Rensburg HCJ & Wouters E. Predictors of uptake of human immunodeficiency virus testing by tuberculosis patients in Free State Province, South Africa. *The International Journal of Tuberculosis and Lung Disease*. 14(4):399-405.
- 2009: Wouters E, Heunis C, van Rensburg D & Meulemans H. Physical and emotional health outcomes after 12 months of public-sector antiretroviral treatment in the Free State

- Province of South Africa: a longitudinal study using structural equation modelling. *BMC Public Health*. 9:103.
- 2008: Wouters E, Heunis C, van Rensburg D & Meulemans H. Patient satisfaction with antiretroviral services at primary health-care facilities in the Free State, South Africa - a two-year study using four waves of cross-sectional data. *BMC Health Services Research*. 8:210.
- 2008: Engelbrecht MC, Heunis JC & Kigozi NG. The views of primary health care nurses on HIV counselling and testing for tuberculosis patients in two districts of the Free State Province in South Africa. *Africa Journal of Nursing and Midwifery*. 10(2):70-83.
- 2007: Wouters E, Meulemans H, van Rensburg HCJ, Heunis JC & Mortelmans D. Short-term physical and emotional health outcomes of public sector ART in the Free State Province of South Africa. *Quality of Life Research*. 16:1461-1471.
- 2007: Louwagie GM, Bachmann MO, Meyer K, Booysen FIR, Fairall LR & Heunis C. Highly active antiretroviral treatment and health related quality of life in South African adults with human immunodeficiency virus infection: a cross-sectional analytical study. *BMC Public Health*. 7:244.
- 2007: Heunis JC, van Rensburg HCJ & Meulemans H. SANTA vs. public hospitalisation for tuberculosis: the patient experience in the Free State. *Curationis*. 30(1):4-14.
- 2006: Heunis JC, van Rensburg HCJ & Claassens DL. Assessment of the implementation of the Primary Health Care Package at selected sites in South Africa. *Curationis*. 29(4):37-46.
- 2006: Janse van Rensburg-Bonthuyzen E & Heunis JC. Initial anticipations and experiences of antiretroviral therapy among managers at ART-assessment facilities in the Free State. In: HCJ van Rensburg & H Schneider (Eds.), Perspectives on public sector antiretroviral access. *Acta Academica Supplementum*. 1:168-190.
- 2006: Heunis JC & Schneider H. Integration of ART: concepts, policy and practice. In: HCJ van Rensburg & H Schneider (Eds.), Perspectives on public sector antiretroviral access. *Acta Academica Supplementum*. 1:256-285.
- 2005: Heunis JC. Hospitalisation for TB in the Free State: opinions of health workers and managers. In: D van Rensburg, H Meulemans & L Rigouts (Eds.), Tuberculosis: multidisciplinary approaches to research, policy and practice. *Acta Academica Supplementum*. 1:221-253.
- 2005: van Rensburg D, Janse van Rensburg-Bonthuyzen E, Heunis C & Meulemans H. Tuberculosis control in South Africa: reasons for persistent failure. In: D van Rensburg, H Meulemans & L Rigouts (Eds.), Tuberculosis: multidisciplinary approaches to research, policy and practice. *Acta Academica Supplementum*. 1:1-55.
- 2005: Meulemans H, Van Ouytsel J, Rigouts L, Mortelmans D, Heunis JC, Matebesi SZ & van Rensburg HCJ. Social capital and community TB care in the Free State, South Africa. In: D van Rensburg, H Meulemans & L Rigouts (Eds.), Tuberculosis: multidisciplinary approaches to research, policy and practice. *Acta Academica Supplementum*. 1:128-153.
- 2005: Peters A & Heunis C. One patient, two diseases: collaboration in controlling TB and HIV in the Free State. *Acta Academica Supplementum*. 1:314-336.
- 2004: van Rensburg HCJ, Meulemans H, Rigouts L, Heunis JC, Janse van Rensburg E, van der Spoel-van Dijk A, De Graeve D, Matebesi SZ, Timmerman C, Meyer K, Pauwels L, Portaels F, Gryseels B & Van Houtte J. Social research as an intervention tool in tuberculosis control. *The International Journal of Tuberculosis and Lung Disease*. 8(9):1127-1129.

- 2001: van der Ryst E, Joubert G, Steyn F, Heunis C, le Roux J & Williamson C. HIV/AIDS-related knowledge, attitudes and practices among South African military recruits. *South African Medical Journal*. 91(7):587-591.
- 2000: Heunis C, van Rensburg D & Ngwenya C. A "youth multi-function centre" in the Free State: an alternative to clinic-based HIV/AIDS prevention and care. *Curationis*. December: 54-62.
- 1997: Heunis JC & Pelsler AJ. Down the needle: should public sector nurses in South Africa have the right to strike? *Curationis*. 20(3):41-46.
- 1997: Pelsler A & Heunis C. Towards a sustainable society: a profile of social accents. *The Koers Bulletin for Christian Scholarship*. 62(4):407-421.
- 1995: Potgieter PJ & Heunis JC. Considerations with regard to land reform in the Free State: land use, availability and needs. *Agrekon*. 34(4):172-176.
- 1995: Heunis C & Pelsler AJ. Basic labour practice in commercial agriculture: the need for formalization. *South African Journal of Sociology*. 26(2):62-68.
- 1994: Heunis C. HIV/AIDS-related knowledge, attitudes and behaviour among students: survey results. *Acta Academica*. 26(2&3):134-153.

Non-peer reviewed articles

- 2013: Heunis C. TB/HIV intervention evaluation. In: L McCann (Ed.), Development Research Uptake in Sub-Saharan Africa (DRUSSA) Programme. Getting evidence-based development research into use in Sub-Saharan Africa. *DRUSSA Platform Magazine*. Platform 2013:26-27. The DRUSSA Programme.
- 2011: Heunis C. Baseline evaluation assesses TB program management. *PEPFAR Supporting an Integrated TB and HIV Response*.
<https://www.cdc.gov/globalhealth/countries/southafrica/pdf/PEPFAR.pdf>.
- 2005: Heunis C & van Rensburg D. 'State of the Art': the Free State ART Research Project. *AIDS Bulletin*. 14(1):28-30. South African Medical Research Council (MRC); ISSN: 1019-8334.

Keynote/plenary addresses

- 2021: Heunis C. Status report of the PHRC in the Free State Province. National Health Research Ethics Committee Meeting. Virtual, 17 August.
- 2018: Heunis JC. *Inequality & inequity in HRH provisioning in South Africa*. 7th Annual Free State Health Research Day on 'Unifying the public and private sectors through research: dream or reality?' Bloemfontein, Free State Department of Health and UFS, 8-9 November.
2018. Heunis JC & Kigozi NG. *Tuberculosis infection control in the Free State and South Africa*. International TB Course for Clinicians in South Africa. Foundation for Professional Development, Pretoria, 16-18 August.
- 2018: Heunis JC. *Achieving the 90-(90)-90 tuberculosis targets in South Africa: feasible or pipedream?* Programme Governance & Political Transformation Research Seminar, UFS, 25-26 July.
- 2017: Heunis JC & van Rensburg HCJ. Disparity in supply of health professionals: how the Free State features in the *South African Health Review*, 1995-2015. Free State Department of Health Human Resource Consultative Forum on 'Revitalisation of Human Resources,' Bloemfontein, Free State Department of Health, 21-23 June.

- 2014: Heunis C. *TB/HIV-related training, knowledge and attitudes of community health workers in the Free State Province, South Africa*. American International Health Alliance HIV/AIDS Twinning Center, Washington D.C., United States of America, 19 May.
- 2013: Janse van Rensburg-Bonthuyzen E, Jacobs N, Kigozi G, Engelbrecht M & Heunis C. *Clinic-based lay health workers in the Free State: What are their roles?* Bloemfontein, Medical Faculty Forum, UFS, 30 August.
- 2013: Kigozi G, Chikobvu P, Heunis C & van der Merwe S. *Association between two-month sputum smear conversion and treatment outcome for new smear-positive pulmonary TB patients in the Free State*. 19th Conference of the Union Africa Region, Kigali, Rwanda, 20-22 June; Abstract: 554.
- 2012: Heunis C, Janse van Rensburg-Bonthuyzen E, Kigozi G, Jacobs N, Rau A, Engelbrecht M, Wouters E & van Rensburg D. *The readiness of community caregivers to provide HCT services to TB patients in three local municipalities in the Free State*. Research Symposium on Community Health Workers, School of Public Health, University of the Western Cape (UWC), Cape Town, 7 June.
- 2011: Janse van Rensburg A, Engelbrecht MC, Heunis JC, Bottoman L, Baitsiwe P & Peters A. *TB control in three South African districts*. 3rd Conference of the Infection Prevention and Control Africa Network 2011, Windhoek, Namibia, 31 October-3 November.
- 2011: Heunis C. *HIV testing of TB patients in the Eastern Free State*. UFS Strategic Cluster 2: New Frontiers in Poverty Reduction and Sustainable Development: Research Showcase for the QwaQwa Region, Phuthaditjhaba, UFS QwaQwa Campus, 2 September.
- 2011: Heunis C. *A project to evaluate the effectiveness of policy-driven and evidence-based interventions to increase TB patients' uptake of HIV testing: but is there an anomaly in the governing policies?* Programme Governance & Political Transformation Research Seminar, UFS, 28-29 July.
- 2011: Odegaard D, Heunis C, Motlhanke S, van der Merwe S, Kigozi G & Janse van Rensburg-Bonthuyzen E. *Lessons learned from a protocol-in-process for a public health evaluation*. American International Health Alliance (AIHA) HIV/AIDS Twinning Center Partners Meeting – 'Health and Social Service Professions Education', Johannesburg, University of the Witwatersrand (Wits) Medical School, 20-22 June.
- 2010: Heunis JC. *HIV and health systems in Southern Africa*. 2nd Annual UWC HIV in Context Research Symposium on 'Public Health in the Age of HIV: Reflections and Redirections', Bellville, Centre for Research in HIV and AIDS (CRHA), University of the Western Cape (UWC), 25-26 March.
- 2009: Heunis JC, Kigozi NG & Engelbrecht MC. *Perspectives on the uptake of HIV counselling and testing by TB patients in Lejweleputswa and Thabo Mofutsanyane in the Free State Province*. Midrand, 5th SAHARA Conference on 'Socio-cultural Responses to HIV', 30 November-3 December; Abstract: 103.
- 2009: Wouters E & Heunis C. *The importance of community support initiatives in achieving sustainable and comprehensive HIV/AIDS-care in the Free State, South Africa*. 12th Biennial Congress of the European Society for Health and Medical Sociology (ESHMS), Ghent, Belgium, 30 August-1 September.
- 2009: Kigozi NG, Heunis JC & Engelbrecht MC. *Exploring nurses and tuberculosis patients' perspectives of lay HIV counselling in the Free State Province, South Africa*. 17th Conference of the Union Africa Region on 'Lung Health and the Strengthening of Health Systems in Africa', Quagadougou, Burkina Faso, 24-26 June.

- 2008: Heunis JC. *TB and HIV/AIDS in South Africa and the Free State*. State University of New York Downstate Medical Center (SUNY-DMC), Brooklyn, New York, 7 July.
- 2008: van Rensburg D & Heunis C. *Health information and health systems research – in PHC context*. Conference on Revising of Primary Health Care Strategy for South Africa. 30th Alma-Ata Celebration on Primary Health Care, Boksburg, 10-11 April.
- 2008: Kigozi NG, Heunis JC, Engelbrecht MC, Pienaar AN, Thomas N & Tladi P. *Reflections on the use of lay counsellors for HIV counselling in the Free State, South Africa*. 1st Global Forum on Resources for Health, Global Health Workforce Alliance (GHWA), Kampala, Uganda, 4-7 March.
- 2007: Heunis JC. *Predictors of patient dissatisfaction with ART services in the Free State*. Round Table on Health Systems Aspects of Antiretroviral Access, Bloemfontein, CHSR&D, UFS, 22-23 October. In: H Schneider, D van Rensburg & D Coetzee (Eds.), *Health systems and antiretroviral access: key findings and policy recommendations*. Bloemfontein, CHSR&D; ISBN: 978-0-086886-772-4.
- 2006: Heunis JC. *En route for TB-HIV/AIDS co-management: reflections on the Free State, South Africa and Southern Africa*. Universitair Centrum Sint-Ignatius (UCSIA) Scholarship Lecture, Antwerp, 6 December.
- 2006: Heunis JC. *The need for integrated TB/HIV/AIDS programmes in the Free State, South Africa and Southern Africa*. Master of Medical Sociology, Department of Sociology, University of Antwerp (UA), 28 November.
- 2006: Heunis JC & van der Merwe S. *Southern Africa's challenges to deliver quality healthcare*. AMC International Interactive Business Solutions: International Healthcare Service Delivery 2006, Sandton, 5-7 July.
- 2006: Louwagie GMC, Bachmann MO, Meyer K, Booyesen F, Fairall LR & Heunis JC. *Health-related quality of life in patients selected for highly active antiretroviral treatment in a South African province*. 3rd Public Health Association of Southern Africa (PHASA) Public Health Conference on 'Making Health Systems Work', Johannesburg, 16-17 May. *Southern African Journal of Epidemiology and Infection*. 21(3):73. Medpharm Publications; ISSN: 1015-8782.
- 2005: Heunis JC. *Brenga Mekwa: the story of one TB/HIV patient*. Master of Medical Sociology. Department of Sociology, University of Antwerp (UA), 29 November.
- 2005: Heunis JC. *How TB and HIV challenge the health care system in South Africa. Local and global responses to major epidemics: the case of HIV/AIDS*. Master of Cultures and Development Studies. Catholic University Louvain (UCL), Louvain, Belgium, 22 November.
- 2005: Heunis JC. *How TB and HIV challenge the health care system in South Africa. Local and global responses to major epidemics: the case of HIV/AIDS*. North-South Dialogue Series, University of Antwerp (UA), Antwerp, Belgium, 21 November.
- 2004: Heunis JC. *Hospitalisation for TB: the emerging role of the public district hospital in the Free State*. World TB Day Commemorative Workshop, Prince Leopold Institute of Tropical Medicine, Antwerp, Belgium, 5 March.
- 2003: Heunis JC. *The role of the public district hospital in TB control*. Conference on Tuberculosis: A Multidisciplinary Approach to Research, Policy and Practice, Bloemfontein, CHSR&D, UFS, 11-12 November.
- 2002: Heunis JC. *Tuberculosis control at Free State hospitals: policy and practice*. 9th Biennial International Congress of the European Society of Health and Medical Sociology on 'Health and Society in Europe', Groningen, The Netherlands, 28-31 August.

- 2000: Heunis JC. *Health systems research into preventing and minimising the impact of HIV/AIDS: challenges for the Free State*. Free State HIV/AIDS Conference, Bloemfontein, Free State Department of Health, 26-27 February.
- 1998: Heunis JC. *The Free State Primary Health Care Information Project*. Health Information Systems Pilot Project Open Day, University of Cape Town (UCT), Cape Town, 14 October.
- 1997: Heunis JC. *The implementation of a health information system to optimise primary health care in the Free State: the PHC/INFO Project*. Health Systems Trust Report-back Conference, Durban, 1-3 October.
- 1995: Heunis JC. *Community involvement in the PHC information system in the Free State*. 14th Epidemiological Society of Southern Africa Conference on 'Health, Environment and Development', Harare, Zimbabwe, 31 August.
- 1994: Heunis JC. *AIDS-related knowledge, attitudes, and behaviours of UOFS students*. Multi-disciplinary Discussion. Unit for Professional Training and Service Delivery in the Behavioural Sciences (UNIBS), Bloemfontein, UOFS, 3 June.

Conference presentations

- 2021: Engelbrecht M, Heunis C & Kigozi G. *Post-traumatic stress and coping strategies of South African nurses during the second wave of the COVID-19 pandemic*. 9th Annual Free State Health Research Day on 'Health, disease management and health systems in COVID-19 times', Virtual, Free State Department of Health and UFS, 4 November.
- 2021: Fanampe B, Kigozi G, Morigihlane M, Muteba M, Engelbrecht M, Modise M, Msimanga-Radebe B, Ntombela B, Heunis C, Chikobvu P & Mushori P. *The impact of the COVID-19 pandemic on the tuberculosis programme in the Free State Province, South Africa*. 9th Annual Free State Health Research Day on 'Health, disease management and health systems in COVID-19 times', Virtual, Free State Department of Health and UFS, 4 November.
- 2021: Heunis C, Chikobvu P, Kigozi G, Muteba M, Engelbrecht M, Modise M, Msimanga-Radebe B, Ntombela B & Providence M. *The impact of the COVID-19 pandemic on essential health services in the Free State Province*. 9th Annual Free State Health Research Day on 'Health, disease management and health systems in COVID-19 times', Virtual, Free State Department of Health and UFS, 4 November.
- 2021: Joubert M, Heunis C, Ncube A & Szarzynski J. *Delivery of disaster social work services to increase the resilience of vulnerable groups during COVID-19 in Mangaung Metropolitan Municipality*. 9th Annual Free State Health Research Day on 'Health, disease management and health systems in COVID-19 times', Virtual, Free State Department of Health and UFS, 4 November.
- 2021: Kigozi G, Heunis C, Engelbrecht M, Tweheyo R, Janse van Rensburg A & Chikobvu P. *Undiagnosed depression among tuberculosis patients in the Matjhabeng Sub-district: a pilot study*. 9th Annual Free State Health Research Day on 'Health, disease management and health systems in COVID-19 times', Virtual, Free State Department of Health and UFS, 4 November.
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- 2003: Heunis C, Janse van Rensburg-Bonthuyzen E, Engelbrecht MC, Meyer K & Summerton J. *PHC delivery in the Galeshewe Urban Renewal Site, Northern Cape: mapping gaps in the maternal health, IMCI, TB, STIs, HIV/AIDS and EDL programmes*. Bloemfontein, CHSR&D;

- Funding: National Department of Health (NDoH) and Centers for Disease Control and Prevention South Africa (CDCSA).
- 2003: Janse van Rensburg-Bonthuyzen E, Heunis C, Engelbrecht M, Meyer K & Summerton J. *PHC delivery in the Mdantsane Urban Renewal Site, Eastern Cape: mapping gaps in the maternal health, IMCI, TB, STIs, HIV/AIDS and EDL programmes*. Bloemfontein, CHSR&D; Funding: National Department of Health (NDoH) and Centers for Disease Control and Prevention South Africa (CDCSA).
- 2003: Janse van Rensburg-Bonthuyzen E, Heunis C, Engelbrecht M, Meyer K & Summerton J. *PHC delivery in the Motherwell Urban Renewal Site, Eastern Cape: mapping gaps in the maternal health, IMCI, TB, STI, HIV/AIDS and EDL programmes*. Bloemfontein, CHSR&D; Funding: National Department of Health (NDoH) and Centers for Disease Control and Prevention South Africa (CDCSA).
- 2003: Meyer K, Heunis C, Janse van Rensburg-Bonthuyzen E, Engelbrecht M & Summerton J. *PHC delivery in the Alexandra Urban Renewal Site, Gauteng: mapping gaps in the maternal health, IMCI, TB, STI, HIV/AIDS and EDL programmes*. Bloemfontein, CHSR&D; Funding: National Department of Health (NDoH) and Centers for Disease Control and Prevention South Africa (CDCSA).
- 2003: Meyer K, Heunis C, Janse van Rensburg-Bonthuyzen E, Engelbrecht M & Summerton J. *PHC delivery in the Inanda and KwaMashu Urban Renewal Sites, KwaZulu-Natal: mapping gaps in the maternal health, IMCI, TB, STIs, HIV/AIDS and EDL programmes*. Bloemfontein, CHSR&D; Funding: National Department of Health (NDoH) and Centers for Disease Control and Prevention South Africa (CDCSA).
- 2003: Summerton J, Engelbrecht M, Meyer K, Heunis C & Janse van Rensburg-Bonthuyzen E. *PHC delivery in the Mitchells Plain urban renewal site: mapping gaps in the maternal health, IMCI, TB, STI, HIV/AIDS and EDL programmes*. Bloemfontein, CHSR&D; Funding: National Department of Health (NDoH) and Centers for Disease Control and Prevention South Africa (CDCSA).
- 2000: Engelbrecht M, Janse van Rensburg E, Matebesi Z, Heunis C, van Rensburg D, Elgoni A. & McCoy D. *Tuberculosis (TB) in Hlanganani Health District (Free State): a situation analysis*. Bloemfontein, CHSR&D; Funding: Health Systems Trust (HST).
- 2000: Fourie A, van Rensburg HCJ & Heunis JC. *Evaluation of Overseas Development Assistance (ODA) to the health sector*. Pretoria, Embassy of Ireland; Funding: Irish Embassy South Africa.
- 2000: Janse van Rensburg E, Engelbrecht M, Heunis C, Steyn F, Matebesi Z, Summerton J, van Rensburg D, McCoy D & Báez C. *Tuberculosis (TB) in Tshepo Health District (Free State): a situation analysis*. Bloemfontein, CHSR&D; Funding: Health Systems Trust (HST).
- 2000: Viljoen R, Heunis C, Janse van Rensburg E, van Rensburg D, Engelbrecht M & Fourie A. *The National Primary Health Care Facilities Survey 2000 – Free State*. Durban, Health Systems Trust; ISBN: 1-919839-21-6; Funding: Health Systems Trust (HST).
- 2000: Viljoen R, Heunis C, Janse van Rensburg E, van Rensburg D, Engelbrecht M & Fourie A. *The National Primary Health Care Facilities Survey 2000 – Mpumalanga*. Durban, Health Systems Trust; ISBN: 1-919839-18-6; Funding: Health Systems Trust (HST).
- 2000: Viljoen R, Heunis C, Janse van Rensburg E, van Rensburg D, Engelbrecht M & Fourie A. *The National Primary Health Care Facilities Survey 2000 – Eastern Cape*. Durban, Health Systems Trust; ISBN: 1-919839-22-4; Funding: Health Systems Trust (HST).

- 2000: Viljoen R, Heunis C, Janse van Rensburg E, van Rensburg D & Fourie A. *The National Primary Health Care Facilities Survey 2000 – Gauteng*. Durban, Health Systems Trust; ISBN: 1-919839-19-4; Funding: Health Systems Trust (HST).
- 2000: Viljoen R, Heunis C, Janse van Rensburg E, van Rensburg D & Fourie A. *The National Primary Health Care Facilities Survey 2000 – Western Cape*. Durban, Health Systems Trust; ISBN: 1-919839-25-9; Funding: Health Systems Trust (HST).
- 2000: Viljoen R, Heunis C, Janse van Rensburg E, van Rensburg D, Fourie A & Matebesi Z. *The National Primary Health Care Facilities Survey 2000 – Northern Province*. Durban, Health Systems Trust; ISBN: 1-919839-24-0; Funding: Health Systems Trust (HST).
- 2000: Viljoen R, Heunis C, Janse van Rensburg E, van Rensburg D, Fourie A & Steyn F. *The National Primary Health Care Facilities Survey 2000 – KwaZulu-Natal*. Durban, Health Systems Trust; ISBN: 1-919839-17-8; Funding: Health Systems Trust (HST).
- 2000: Viljoen R, Heunis C, Janse van Rensburg E, van Rensburg D, Fourie A & Steyn F. *The National Primary Health Care Facilities Survey 2000 – North West*. Durban, Health Systems Trust; ISBN: 1-919839-17-8; Funding: Health Systems Trust (HST).
- 2000: Viljoen R, Heunis C, Janse van Rensburg E, van Rensburg D & Fourie A. *The National Primary Health Care Facilities Survey 2000 – Northern Cape*. Durban, Health Systems Trust; ISBN: 1-919839-23-2; Funding: Health Systems Trust (HST).
- 2000: Viljoen R, Heunis C, Janse van Rensburg E, van Rensburg D, Engelbrecht M, Fourie A, Steyn F & Matebesi Z. *The National Primary Health Care Facilities Survey 2000*. Durban, Health Systems Trust; ISBN: 1-919839-14-3; Funding: Health Systems Trust (HST).
- 1999: Engelbrecht MC, Pelsers AJ, Ngwenya C, van Rensburg HCJ & Heunis JC. *Developing and implementing a project management strategy to overcome impediments to the operation of the Choice on Termination of Pregnancy Act, 1996 in the Free State*. Bloemfontein, CHSR&D; Funding: CHSR&D.
- 1999: Heunis C, van Rensburg D & YMC Task Group. *Combating HIV/AIDS amongst youth in South Africa: a youth multi-function centre for Thabong/Welkom in the Free State Province*. Bloemfontein, CHSR&D; Funding: CHSR&D.
- 1999: van Rensburg D, Heunis C, Arntz T, Matebesi Z & Engelbrecht M. *Baseline population and development data for the Flagship Programme in Bekkersdal – 1999*. Pretoria, National Population Unit (NPU); Funding: National Population Unit (NPU), Department of Social Development (DSD).
- 1999: van Rensburg D, Heunis C, Engelbrecht M, Maqubela C, Janse van Rensburg E & Steyn F. *Baseline population and development data for the Flagship Programme in Elliotdale – 1999*. Pretoria, National Population Unit (NPU); Funding: National Population Unit (NPU), Department of Social Development (DSD).
- 1999: van Rensburg D, Heunis C, Steyn F, Engelbrecht M, Janse van Rensburg E, Matebesi Z & Arntz T. *Baseline population and development data for the Flagship Programme in Fraserburg – 1999*. Pretoria, National Population Unit (NPU); Funding: National Population Unit (NPU), Department of Social Development (DSD).
- 1998: Heunis JC. *User-friendliness of primary health care clinics in two Free State health care regions*. Bloemfontein, CHSR&D; Funding: Health Systems Trust (HST).
- 1998: Heunis C, Janse van Rensburg E, O'Brien M, Steyn F & Mangaung Community Health Committee. *Assessment to inform the role of the community health worker in Mangaung*. Bloemfontein, CHSR&D; Funding: Mangaung University Community Partnership Programme (MUCPP).

- 1998: Hever W, van Zyl N, Pelser AJ, Botes L & Heunis JC. *Decentralisation of the financial management and PERSAL systems*. Bloemfontein, CHSR&D; Funding: Free State Department of Health (FSDoH).
- 1998: Janse van Rensburg E, Steyn F, van Rensburg D, Matebesi Z, O'Brien M & Heunis C. *Improving health care to the farm community in the Bothaville district*. Durban, Health Systems Trust; ISBN: 1-919743-29-4; Funding: Health Systems Trust (HST).
- 1997: Crichton A, Heunis JC & van Rensburg HCJ. *Guidelines for the supply of free condoms in South Africa*. Bloemfontein, CHSR&D; Funding: CHSR&D.
- 1997: Pelser AJ & Heunis JC. *Assessment of the development initiatives of the Department of Agriculture in the Free State*. Bloemfontein, Social Survey Division (SSD); Funding: Free State Department of Agriculture (FSDoA).
- 1997: van Rensburg D, Engelbrecht B, Fourie A, Heunis C, Kruger E, Mojaki E, Pelser A & Armin Roosen J. *Redirecting the referral system in the Free State: a study of the current referral patterns, including the views and experiences of users and providers*. Bloemfontein, CHSR&D; Funding: Free State Department of Health (FSDoH).
- 1997: van Rensburg D, Heunis C, Kruger E, O'Brien M & Crichton A. *The health of Gariep: a guide for health managers and governors*. Durban, Health Systems Trust; Funding: Health Systems Trust (HST).
- 1997: van Rensburg HCJ, Kruger E, O'Brien M & Heunis JC. *The user-friendliness of Petrusburg Community Health Centre: a survey*. Bloemfontein, CHSR&D; Funding: Free State Department of Health (FSDoH).
- 1996: Heunis C, Pelser A, Machedi S & van Rensburg HCJ. *A community perspective of involvement in primary health care: case studies from Mangaung and Sasolburg Sub-regions*. Bloemfontein, CHSR&D; Funding: CHSR&D.
- 1996: Pelser AJ, Heunis JC, van Rensburg HCJ & Fourie A. *Visimed services and products: findings of an opinion poll amongst medical fund clients*. Bloemfontein, CHSR&D; Funding: Visimed.
- 1996: Pelser AJ, Heunis JC & van Zyl N. *Health care providers and users' perceptions of the referral system in the Free State*. Bloemfontein, CHSR&D; Funding: Free State Department of Health (FSDoH).
- 1996: van Zyl NJR, Fourie A, Heunis JC, Pelser AJ, Roosjen JA, Stander D, van der Merwe P & van Zyl H. *Contracting out of institutional care for tuberculosis patients in the Free State: an analysis*. Bloemfontein, CHSR&D; Funding: Free State Department of Health (FSDoH).
- 1995: van Rensburg HCJ, van Zyl NJR, Heunis JC, Pelser AJ, Fourie A & Schurink E. *Evaluation of free health care services for pregnant women and children under 6 years: a quantitative and qualitative survey of the views, experience and perceptions of providers*. Bloemfontein, CHSR&D; Funding: Free State Department of Health (FSDoH).
- 1995: Botes LJS, Heunis JC, De Wet M. & Chakela O. *Land needs and related issues in the 'Northern' Free State: survey results and qualitative case studies in Tseki, Tshiame, Viljoenskroon and Maokeng*. Johannesburg, Land & Agricultural Policy Centre (LAPC); Funding: Land & Agriculture Policy Centre (LAPC).
- 1995: Botes LJS, De Wet M & Heunis JC. *Land needs and related issues in the 'Northern' Free State: Synthesis of findings*. Funding: Land & Agriculture Policy Centre (LAPC). Bloemfontein: UOFS.
- 1995: Heunis C, Tsese P & Potgieter P. *Vrystaat Grondhervorming Navorsingsprogram: Sinteseverslag* (Free State Land Reform Research Programme). Funding: Land & Agriculture Policy Centre (LAPC). Bloemfontein: UOFS.

- 1995: Heunis C, Tsepe P & Potgieter P. *Dipatlisiso Ntjhafatsong Ya Kabo Ya Naha Foreistata: Kakaretso Ya Raporoto* (Free State Land Reform Research Programme). Funding: Land & Agriculture Policy Centre (LAPC). Bloemfontein: UOFS.
- 1995: Heunis JC & van Rensburg HCJ. *Community involvement in primary health care: guidelines for facilitation and evaluation*. PHC/INFO Project: Task Group on Community Involvement. Bloemfontein, CHSR&D; Funding: CHSR&D.
- 1993: Heunis JC. *Labour relations and practices on farms in the Bloemfontein area: findings of survey in January 1993. Report to the Free State Agricultural Union*. Bloemfontein, Department of Sociology, UOFS; Funding: Free State Agricultural Union.

Project roles

Principal investigator/leader/coordinator/commissioned researcher

- 2021: Impact of COVID-19 on essential health services and treatment outcomes in the Free State: a retrospective record review. Funding: None.
- 2011-14: Evaluation of professional and community health worker training and mentoring interventions to improve TB patients' uptake of HIV counselling and testing in the Free State Province, South Africa. Funding: Centers for Disease Control and Prevention South Africa (CDCSA) and NRF.
- 2010-13: Association between new smear-positive tuberculosis patient two-month sputum smear non-conversion and delayed treatment onset after pre-treatment sputum-positive diagnosis. Funding: Desmond Tutu TB Centre (DTTC) Operational Research Assistance Project (ORAP).
- 2010-11: Assessing the impact of CDC partner interventions to improve TB Control in John Taolo Gaetsewe District, Northern Cape. Funding: Centers for Disease Control and Prevention South Africa (CDCSA).
- 2010-11: Assessing the impact of CDC partner interventions to improve TB control in Alfred Nzo and OR Tambo Districts, Eastern Cape. Funding: Centers for Disease Control and Prevention South Africa (CDCSA).
- 2010-11: Assessing the impact of CDC partner interventions to improve TB infection control in Cacadu District, Eastern Cape. Funding: Centers for Disease Control and Prevention South Africa (CDCSA).
- 2008-10: Assessment of TB-HIV/AIDS informatics in the Free State TB Management Programme. Funding: Free State Department of Health (FSDoH).
- 2008: Assessment of integrated TB and HIV/AIDS services in Maputo and Beira, Mozambique. Funding: American International Health Alliance (AIHA) HIV/AIDS Twinning Center
- 2007-10: Non-uptake of counselling and testing among TB patients in the Free State: Research to inform intervention. Funding: Department for International Development (DfID); South African Medical Research Council (MRC); UFS Strategic Academic Cluster on Transformation in Diverse Societies, NRF.
- 2007-10: CHSR&D-State University of New York Downstate Medical Center (SUNY-DMC) 'Twinning' Partnership. Funding: American International Health Alliance (AIHA) HIV/AIDS Twinning Center
- 2002-03: Mapping the delivery of key primary health care programmes in eight Urban Renewal Nodes in South Africa. Funding: National Department of Health (NDoH) and Centers for Disease Control and Prevention (CDC).

- 2002: Quality control of the fieldwork of the Eastern Cape Primary Health Care Survey. Funding: Eastern Cape Department of Health (ECDoH), Equity Project.
- 2001-04: Joint research project on TB control in the Free State: from infection to cure. Funding: South African-Flemish Bilateral Scientific and Technological Cooperation Programme, South African Medical Research Council (MRC), NRF and Anglo-American Chairman's Fund (AACF).
- 1998-00: Development of an intervention strategy to improve adolescent and youth reproductive health in the Free State: exploring the viability of a youth multi-function centre for Thabong/Welkom. Funding: CHSR&D.
- 1997: Assessment to inform the role of the community health worker in Mangaung. Funding: Mangaung University Community Partnership Project (MUCPP).

Co-researcher/commissioned researcher

- 2020-: Free State nurses' psycho-social well-being and coping during COVID-19. Funding: NRF
- 2019-: Experiences of drug-susceptible tuberculosis patients with symptoms of depression and anxiety: a cohort study of new patients in the Free State. Funding: NRF.
- 2015-17: Tuberculosis prevention through systematic household contact investigation in the Free State, South Africa. Funding: African Doctoral Dissertation Research Fellowship (ADDRF) and NRF
- 2015-17: Utilisation of normalisation process theory to develop, implement and test a multifaceted intervention to improve TB prevention and infection control in primary health care facilities in the Free State, South Africa. Funding: NRF.
- 2014-16: Assessing the implementation of the Integrated School Health programme. Funding: UFS Strategic Cluster: Sustainable Development and Poverty Alleviation – Focus Area: Health and Wellness.
- 2014-16: Retrospective record review of routinely collected data in the Electronic TB Register (2003-2012) towards the improvement of TB treatment outcomes. Funding: N/A.
- 2014-16: Development of a health dialogue model for patients with chronic diseases such as diabetes. Funding: NRF Thuthuka Post-PhD Track - Dr M Reid, School of Nursing, UFS.
- 2012-15: Mosamaria AIDS Ministry: Evaluation of the Orphans and Vulnerable Children's (OVC) programme in Bloemfontein and Botshabelo (2012-2013). Funding: UFS via the Office of the Director Research & Innovation; Strategic Academic Cluster for New Frontiers in Poverty Reduction and Sustainable Development.
- 2011: Position paper on health, health care and health systems to inform the development of the Free State Growth and Development Strategy (FSGDS). Funding: Centre for Development Support (CDS).
- 2005-07: Public-sector antiretroviral treatment: documenting, monitoring, evaluating and facilitating implementation of the National Treatment Plan in the Free State. Funding: Canadian International Development Agency (CIDA); Department for International Development (DfID); Development Cooperation Ireland; Ford Foundation; Foreign Assistance Agencies of Australia; HIV Care Program (HIVCare); International Development Research Centre (IDRC); Joint Economics Aids & Poverty Programme (JEAPP); South African Medical Research Council (MRC); NRF; US Agency for International Development (USAID) and United Nations Development Programme (UNDP).
- 2002: Rapid situational analysis of TB control in Sakhisizwe, Eastern Cape. Funding: African Medical and Research Foundation (AMREF).

2000: National Primary Health Care Facilities Survey 2000. Funding: Health Systems Trust.

2000: Research into official development assistance in the South African health sector.
Funding: Irish Aid.

1999: Rapid situation analysis of TB control in Tshepo and Hlanganani Health Districts, Free State. Funding: Initiative for Sub-district Support (ISDS), Health Systems Trust (HST).

1998: Baseline studies for the Flagship Development Programme in Fraserburg, Bekkersdal, and Elliotdale. Funding: National Population Unit (NPU), Department of Social Development (DSD).

1998: Research to improve health care to the farm community in the Bothaville district.
Funding: Health Systems Trust (HST).

1998: Research to assess and improve the user-friendliness of PHC clinics in two Free State health regions. Funding: German Development Corporation for Southern Africa (GIZ), Health Systems Trust (HST) and Free State Department of Health (FSDoH).

1997: Evaluation of part-time district surgeon services and alternative mechanisms for contracting with private general practitioners. Funding: Health Systems Trust (HST).

1997: Survey of the user-friendliness of the Petrusburg Community Health Centre. Funding: Free State Department of Health (FSDoH).

1997: Compilation of the Gariiep District Health Report. Funding: Health Systems Trust (HST)

1997: Investigation into military recruits' HIV/AIDS-related knowledge, attitudes and behaviour. Funding: South African National Defence Force (SANDF).

1996: National client survey of Visimed services and products. Funding: Visimed.

1996: Analysis of contracting-out of institutional care for TB patients in the Free State.
Funding: Overseas Development Administration, London School of Hygiene & Tropical Medicine (LSHTM).

1996: Research to redirect the referral system in the Free State. Funding: Health Systems Trust (HST).

Review team member

2009: World Health Organization National TB Review (Northern Cape). Funding: World Health Organisation (WHO) through the National Department of Health (NDoH).

Co-fieldwork manager

1998: South African Demographic and Health Survey, 1998. Responsible for Eastern Cape, Gauteng, KwaZulu-Natal, Mpumalanga, Western Cape. Funding: National Department of Health (NDoH).

Mentor

2016-2019: MJ Matuka, DJ Mofokeng, MJ Maloka, ST Madlala, ML Mzizi, BT Moloi and FL Mosholiba (Eastern Campus of the Free State School of Nursing). Effect of professional nurse shortages on student nurse training in Thabo Mofutsanyane district: an exploratory study. Co-mentor with Dr P Chikobvu (Research and Knowledge Management Directorate, Free State Department of Health; Department of Community Health, UFS). Funding application in process.

2010: Essay Competition Coach, Dr AH Malik School of Population Health, University of Queensland. Emerging Voices in Global Public Health: Towards Universal Health Coverage in developing countries. Co-mentor together with Prof PS Hill (University of

Queensland Poche Centre for Indigenous Health). Funding: Institute of Tropical Medicine (ITM), 52nd Annual Colloquium, Antwerp, Belgium, 8-10 November.

External examination

2021: Master of Public Health, School of Public Health, University of the Western Cape.

2020: PhD in Public Health, School of Public Health, University of the Western Cape.

2019: PhD in Community Health, Faculty of Medicine and Health Sciences, Stellenbosch University.

2014: Master of Public Health, Faculty of Health Sciences, University of Witwatersrand.

2012: PhD in Public Health, School of Public Health, University of the Western Cape.

2011: Master of Public Health, School of Public Health, University of the Western Cape.

2009: Master of Public Health, School of Health Systems and Public Health, University of Pretoria.

Ongoing master's supervision

2021-: *Addressing challenges and impediments to accessing HIV testing services in Orange Farm, Johannesburg: patient and provider perspectives*. Ms Nyeleti Chauke. Student no. 2020901589. Master's in Health Systems Studies (Module: HSSD8900), UFS. Main supervisor: Prof NG Kigozi, CHSR&D, UFS.

2021-: *The psychosocial care of children diagnosed with disorders of sexual development: experiences of clinical personnel, parental care and stakeholders*. Ms Faith Leinaeng. Student no. 861164. Master's in Health Systems Studies (Module: HSSD8900) , UFS. Main supervisor: Dr A Janse van Rensburg, Centre for Rural Health, University of KwaZulu-Natal.

2020-: *Exploring the experiences of unsafe sexual behaviours among students at higher institutions in South Africa*. Ms Maeko Naum Mahlatse, Student no. 2019827324, Co-supervisor: Prof NG Kigozi, CHSR&D, UFS.

Completed master's supervision

2019-20: *Determinants of livelihood strategies for HIV/AIDS affected communities in Zambezia, Mozambique*. Mr I Nzima. Student no. 2016104404. Master's in Development Studies, UFS.

2014-16: *Potential barriers to and facilitating factors for referral in the context of primary health care re-engineering in Thabo Mofutsanyane District*. Mrs NP Ngxangane. Student no. 2003090897. Master's in Development Studies. Co-supervisor: Dr NG Kigozi, CHSR&D, UFS.

2013-16: *Assessing the livelihood strategies of HIV and AIDS affected households receiving RAPIDS support in Chainda, Zambia*. Mr V Peleka. Student no. 2009128113. Master's in Development Studies, UFS.

2013-16: *The perceived impact of inadequate water supply and sanitation on people's health: a case study of Budiriro 5 high-density suburb of Harare Metropolitan Province in Zimbabwe*. Ms S Gwara. Student no. 2009125689. Master's in Development Studies. Co-supervisor: Dr NG Kigozi, CHSR&D, UFS.

2014-15: *Gender-based violence in Bikita district, Zimbabwe: an exploratory study*. Mrs S Chipangura. Student no. 2012196123. Master's in Development Studies, UFS.

- 2013-15: *A qualitative assessment of capacity building to support Orphans and Vulnerable Children in Lesotho: The Building Local Capacity (BLC) Project*. Mrs MC Pule. Student no. 2012168155. Master's in Development Studies, UFS.
- 2013-15: *Factors associated with male participation in antenatal care in Kankumba area, Chongwe District, Zambia*. Ms B Sampa. Student no. 2010122642. Master's in Development Studies. Main supervisor: Dr MC Engelbrecht, CHSR&D, UFS.
- 2013-14: *Exploring perceptions of the effectiveness of a Médecins Sans Frontières HIV Prevention Programme focused on women and girls, Buhera District, Zimbabwe*. Ms M Dembe. Student no. 2011149222. Master's in Development Studies. Co-supervisor: Dr MC Engelbrecht, CHSR&D, UFS.
- 2012-14: *Women's perspectives on Voluntary Medical Male Circumcision (VMMC) for HIV prevention in Harare, Zimbabwe*. Ms D Nyamukapa. Student no. 2011148406. Master's in Development Studies, UFS.
- 2012-14: *Kids having kids: Factors associated with and strategies to reduce teenage pregnancy among women attending antenatal services at Ubombo Hospital, Swaziland*. Dr E Peresu. Student no. 2009127172. Master's in Development Studies. Co-supervisor: Dr NG Kigozi, CHSR&D, UFS.
- 2012-13: *Gender based violence among women supported by Plan International in Chibombo District in Zambia*. Ms N Hansonga. Student no. 2010123178. Master's in Gender Studies. Main supervisor: Ms N Lake, Gender Programme, UFS.
- 2012-13: *A case study evaluating the wife-accompaniment policy for long-distance truck drivers as a HIV and AIDS prevention strategy at Unifreight Pvt Ltd. in Zimbabwe*. Ms IT Sibaya-Chimedza. Student no. 2010152185. Master's in Development Studies, UFS.
- 2011-12: *Exploring perceptions of risk to HIV and sexual behaviour of traditionally circumcised men in Zomba District, Malawi*. Mr EPG Mkandawire. Student no. 2009127321. Master's in Development Studies. Co-supervisor: Mr AP Janse van Rensburg, CHSR&D, UFS.
- 2010-12: *An appraisal of the National Inter-Governmental HIV and AIDS Research Collaboration Portfolio (NIHARCP)*. Ms M Kurian. Student no. 2007104728. Master's in Development Studies, UFS.
- 2010-11: *Correlates of male participation in the Prevention of Mother-to-Child Transmission (PMTCT) Programme at Seke North Clinic in Makoni Suburb, Chitungwiza, Zimbabwe*. Ms C Murandu. Student no. 2006091694. Master's in Development Studies, UFS.
- 2009-11: *Investigating the role of culture in the uptake of antiretroviral therapy services in Mwanachingwala area, Mazabuka District in Zambia*. Ms L Saka. Student no. 2007129618. Master's in Development Studies. Co-supervisor: Dr NG Kigozi, CHSR&D, UFS.
- 2009-11: *Investigating current perceptions, attitudes and practices towards tuberculosis among people living with HIV and community caregivers in Ngombe Compound in Lusaka, Zambia*. Ms L. Muyunda. Student no. 2007104520. Master's in Development Studies. Co-supervisor: Dr NG Kigozi, CHSR&D, UFS.
- 2009-11: *The impact of clinical mentoring on access to antiretroviral (ART) services and nurses' ART-related knowledge in Lesotho*. Mr J Wanyoike Njoroge. Student no. 2008095941. Master's in Development Studies, UFS.
- 2008-09: *An investigation into the factors influencing uptake of HIV testing among pregnant women accessing antenatal care services in rural Zimbabwe: a case study of Mutoko District Hospital*. Ms MN Gwarisa. Student no. 2006091751. Master's in Development Studies. Co-supervisor: Dr NG Kigozi, CHSR&D, UFS.

- 2008-09: *Exploring the role of community volunteers in HIV counselling and testing in Chongwe district, Zambia*. Mr C Kasonka. Student no. 2006095851. Master's in Development Studies. Co-supervisor: Dr NG Kigozi, CHSR&D.
- 2007-08: *An exploratory study on land tenure security in the context of HIV/AIDS among widows in Moonzwe, Zambia*. Ms P Mtonga-Mukumbuta. Student no. 2005138249. Master's in Development Studies, UFS.
- 2007-08: *Effectiveness of volunteer home-based care of people living with HIV/AIDS: a case study of Seke peri-urban community, Zimbabwe*. Ms E Mukuwane. Student no. 200502575. Master's in Development Studies. CHSR&D, UFS.
- 2001-02: *Defining an adolescent-friendly reproductive health service: an investigation among adolescents in Winterveld*. Mr CB Matubatuba. Student no. 2000046298. Master's in Development Studies, UFS.
- 2000-01: *The effectiveness and efficiency of labour relations and practices in the public hospital system with specific reference to Pelonomi Hospital (Bloemfontein, Free State)*. Mr SZ Matebesi. Master's in Sociology. Student no. 1993330370. Co-supervisor: Prof GW de Klerk, Department of Sociology, UOFS.
- 1998-99: *A sociological analysis of industrial action among blue-collar workers at South African universities with reference to two campuses in the Free State*. Mr LA Motloun. Master's in Sociology. Co-supervisor: Prof GW de Klerk, Department of Sociology, UOFS.
- 1996-97: *Condom programming in Free State health care clinics*. Mr A Crichton. Student no. 1992216620. Master's in Nursing. Co-supervisor: Mrs S Honiball, Department of Nursing, UOFS.

Ongoing PhD supervision

- 2020-: *Development of a guiding framework to mitigate mental health and psychosocial ramifications during disasters based on a case study of the social work response to COVID-19 in a metropolitan area of South Africa*. PhD in Disaster Management (Module: DSMT9100), UFS. Ms MM Joubert. Student no. 2005005950. Main supervisor: Dr A Ncube, Disaster Management Training and Education Centre for Africa (DiMTEC), UFS; Prof J Szarzynski, Global Mountain Safeguard Research (GLOMOS) Programme, United Nations University.
- 2019-: *Understanding risk and protective factors: A primer to the development of empowerment programs for sexually abused children in Gweru District, Zimbabwe*. Mr A Maposa. Student no. 2018418992. PhD in Psychology (Module: PSMT9100), UFS. Co-supervisor: Prof I Khumalo, Department of Psychology, UFS.
- 2015-: *The Health Systems Governance and Accountability model for health service integration and performance improvement in the Free State*. Dr B Malakoane. Student no. 1995623467. PhD in Community Health (Module: MVKG9100), UFS. Co-supervisors: Dr P Chikobvu, FSDoH, Department of Community Health, UFS; Prof NG Kigozi, CHSR&D, UFS; Prof WH Kruger, Department of Community Health, UFS/FSDoH.

Completed PhD supervision

- 2016-20: *Community based MDR-TB management in the Shiselweni region of Swaziland: assessment of task-shifting to community treatment supporters*. Dr E Peresu. Student no. 2009127172. PhD in Development Studies (Module: EMDS9100), UFS. Co-supervisors: Prof D De Graeve, Department of Economics, University of Antwerp; Dr NG Kigozi, CHSR&D, UFS.

2007-11: Facilitating factors and barriers to the uptake of HIV counselling and testing amongst tuberculosis patients in the Free State Province (South Africa). Dr NG Kigozi. Student no. 2003038185. PhD in Psychology (Module: PSDT9100), UFS. Co-supervisors: Prof HCJ van Rensburg, CHSR&D; Dr HS van den Berg, Department of Psychology, UFS.

Scholarly and community engagement

Committee and board membership

2021-23: Chairperson, Mosamaria Aids Ministry Non-profit Organisation.
2021-23: Member, National Health Systems Research Committee (Health Systems Trust).
2020-23: Member, National Health Research Committee Subcommittee on Research Translation (National Department of Health)
2017-21: Member, Mosamaria Aids Ministry Non-profit Organisation.
2013-15; 2017-21: Vice-chairperson, Free State Provincial Health Research Committee.
2012-13: Member, Provincial Health Research Committee.
2012-15: Member, Health Systems Research Subcommittee (Health Systems Trust).

Participation in policymaking and planning

2013: Consultative Meeting on the National Health Insurance (NHI), Boksburg, 8 November.
2013: Country Seminar, Flemish Inter-University Council (VLIR-UOS) University Cooperation for Development, Ilovo, 12 April.
2013: National Department of Health TB workshop: translating implementation research into policy and practice, The Aurum Institute, Parktown, 11 April.
2012: TB and HIV Research Summit, South African National AIDS Council (SANAC), National Department of Health, Benoni, 19-20 March.
2011: Development of the Free State Growth and Development Strategy, 2011-2016 - Position paper on health, 1 June - 11 August.
2011: Seminar on Education, Skills, Health, Household Food Security and Nutrition, National Planning Commission, Pretoria, 28-29 March.
2009: Northern Cape Team of the World Health Organisation National TB Review, Kuruman, Kimberley, Pretoria, 6-17 July.
2002: Tuberculosis Strategic Planning Session: DC17, Free State Department of Health, Bloemfontein, 22 January.
2000: Irish Aid Investigation of Official Development Assistance (ODA) in the South African Health Sector, Human Sciences Research Council (HSRC), Pretoria, 5 May.

Participation in grant-making

2020: National Research Foundation Advisory Panel for Research Chair Evaluation.
2019: Medical Research Council Pre-ethics scientific review of research protocol: Retrospective Record Review of Pregnant Women Treated for Rifampicin Resistant Tuberculosis in South Africa.
2013: National Research Foundation Advisory Panel for Competitive Programme for Rated Researchers and Competitive Support for Unrated Researchers.
2011-12: National Research Foundation South African Research Chairs Initiative (SARChI).
2011-12: Phase I – Pre-proposal Review Panel: Health Systems, Complexity and Social Change in the Health Sciences Field.

2011-12: Phase II – Full Proposal Review Process: Health Systems, Complexity and Social Change in the Health Sciences Field.

2011-12: UFS Strategic Cluster: New Frontiers in Poverty Reduction and Sustainable Development.

2011: UFS Faculty of the Humanities Portfolio Applications for Awards in Research Excellence.

2011: National Research Foundation South African Research Chairs Initiative (SARChI) Phase I. Pre-proposal Review Panel: Health Systems, Complexity and Social Change in the Health Sciences Field

2009: UFS Strategic Cluster: Transformation in Diverse Societies - Focus Area: Health and Wellness.

2009: NRF Advisory Panel for Law, Social Sciences, Sociology and Anthropology.

2008: NRF Advisory Panel for Sociology.

Participation in UFS committees and boards

2013: Member of Evaluation Committee for School of Nursing proposal: Outcome of high-quality clinical preceptors on the competence of student nurses, Prof Y Botma.

2013: Member of Evaluation Committee for School of Nursing proposal: Health dialogue with patients attending health services in low and middle-income countries, Dr M Reid.

2011-15: Faculty of the Humanities Representative on Faculty Board of the Faculty of Health Sciences.

2011-13: Member of the Health and Wellness Focus Area of UFS Strategic Cluster 2: Critical Social Issues.

Membership of professional associations

2016-: Public Health Association of South Africa (PHASA).

2014-: South African Academy for Arts and Sciences (SAASA).

2002-: International Union Against Tuberculosis and Lung Disease (IUTLD).

2000-: South African Sociological Association (SASA).

Conference roles

2021: Track chair, TB and HIV, 9th Annual Free State Health Research Day on 'Health, disease management and health systems in COVID-19 times', Virtual, Free State Department of Health and UFS, 4 November.

2021: Abstract reviewer, 9th Annual Free State Health Research Day on 'Health, disease management and health systems in COVID-19 times', Virtual, Free State Department of Health and UFS, 4 November.

2021: Organising team member, 9th Annual Free State Health Research Day on 'Health, disease management and health systems in COVID-19 times', Virtual, Free State Department of Health and UFS, 4 November.

2021: Abstract reviewer, Algemene Simposium van die Suid-Afrikaanse Akademie vir Wetenskap en Kuns (General Symposium of the South African Academy for Science and Arts), 17-18 September.

2020: Member of organising team and co-facilitator, Translating Research to Policy and Guidelines Workshop, Bloemfontein, Free State Department of Health and UFS, 19 November.

- 2019: Session chair, TB and HIV/AIDS: One, 8th Annual Free State Health Research Day on 'Addressing the major five causes of mortality in South Africa: towards a sustainable healthy nation' Bloemfontein, Free State Department of Health and UFS, 7-8 November.
- 2019: Organising team member, TB and HIV/AIDS: One, 8th Annual Free State Health Research Day on 'Addressing the major five causes of mortality in South Africa: towards a sustainable healthy nation' Bloemfontein, Free State Department of Health and UFS, 7-8 November.
- 2018: Abstract book editor, 7th Annual Free State Health Research Day on 'Unifying the public and private sectors through research: dream or reality?' Bloemfontein, Free State Department of Health and UFS, 8-9 November.
- 2018: Abstract reviewer, 7th Annual Free State Health Research Day on 'Unifying the public and private sectors through research: dream or reality?' Bloemfontein, Free State Department of Health and UFS, 8-9 November.
- 2018: Organising team member, 7th Annual Free State Health Research Day on 'Unifying the public and private sectors through research: dream or reality?' Bloemfontein, Free State Department of Health and UFS, 8-9 November.
- 2017: Abstract book editor, 6th Annual Free State Health Research Day 2016 on 'From policy to practice', Bloemfontein, Free State Department of Health and UFS, 2-3 November.
- 2017: Abstract reviewer, 6th Annual Free State Health Research Day 2016 on 'From policy to practice', Bloemfontein, Free State Department of Health and UFS, 2-3 November.
- 2017: Poster presentation judge, 6th Annual Free State Health Research Day 2016 on 'From policy to practice', Bloemfontein, Free State Department of Health and UFS, 2-3 November.
- 2017: Oral presentation judge, 6th Annual Free State Health Research Day 2016 on 'From policy to practice', Bloemfontein, Free State Department of Health and UFS, 2-3 November.
- 2017: Organising team member, 6th Annual Free State Health Research Day 2016 on 'From policy to practice', Bloemfontein, Free State Department of Health and UFS, 2-3 November.
- 2016: Abstract book editor, 5th Annual Free State Health Research Day 2016 on 'Using research to support a long and healthy life for the Free State population', Bloemfontein, Free State Department of Health and UFS, 30-31 October.
- 2016: Session co-chair, Diabetes, 5th Annual Free State Health Research Day 2016 on 'Using research to support a long and healthy life for the Free State population', Bloemfontein, Free State Department of Health and UFS, 30-31 October.
- 2016: Organising team member, Diabetes, 5th Annual Free State Health Research Day 2016 on 'Using research to support a long and healthy life for the Free State population', Bloemfontein, Free State Department of Health and UFS, 30-31 October.
- 2015: Rapporteur, Commission 3: Combat HIV and AIDS, TB, malaria and other disease. The Millennium Development Goals (MDGs) countdown/Sustainable Development Goals (SDGs)/PHC Re-Engineering Summit on 'Vision 2030...The Journey: Yesterday, Today and Tomorrow', Bloemfontein, Department of Health and UFS, 17-19 June.
- 2014: Abstract review team chair. 3rd Annual Free State Health Research Day 2014 on 'Research towards Universal Health Coverage – From Theory to Practice', Bloemfontein, Free State Department of Health and UFS, 30-31 October.

- 2014: Abstract book editor, 3rd Annual Free State Health Research Day 2014 on 'Research towards Universal Health Coverage – From Theory to Practice', Bloemfontein, Free State Department of Health and UFS, 30-31 October.
- 2014: Organising team member, 3rd Annual Free State Health Research Day 2014 on 'Research towards Universal Health Coverage – From Theory to Practice', Bloemfontein, Free State Department of Health and UFS, 30-31 October.
- 2013: Abstract review team chair, 2nd Annual Free State Health Research Day 2013 on 'Research towards Universal Health Coverage – Where do we stand?', Bloemfontein, Free State Department of Health and UFS, 20 September.
- 2013: Abstract book editor, 2nd Annual Free State Health Research Day 2013 on 'Research towards Universal Health Coverage – Where do we stand?' Bloemfontein, Free State Department of Health and UFS, 20 September.
- 2013: Organising team member, Abstract book editor, 2nd Annual Free State Health Research Day 2013 on 'Research towards Universal Health Coverage – Where do we stand?' Bloemfontein, Free State Department of Health and UFS, 20 September.
- 2013: Abstract reviewer, 6th SA AIDS Conference on 'Building on Successes: Integrating Systems', Durban, 18-21 June.
- 2013: Session chair, Implementation Research Landscape: Session 2, Country Seminar, Flemish Inter-University Council (VLIR-UOS) University Cooperation for Development, Ilovo, 12 April.
- 2012: Abstract reviewer, Joint Conference of the Public Health Association of South Africa (PHASA) and the Rural Doctors Association of South Africa (RuDASA) on 'Bridging the health divide: from Policy to Practice'. Bloemfontein, 5-7 September.
- 2012: Session rapporteur, TB-HIV: the promise of life but reality of death. S346. Incorporated in Reid A. 2012. Rapporteur's report. 43rd Union World Conference on Lung Health – 'Driving Sustainability through Mutual Responsibility'. Kuala Lumpur, Malaysia, 14-17 November.
- 2012: Closing remarks, Implementation and Evaluation of Workplace-Based Programmes for HIV and Tuberculosis Prevention and Care Capacity-Building Certificate Course for Department of Health Occupational Health Practitioners, Bloemfontein, UFS, 17 May.
- 2010: Essay Competition Coach, Emerging Voices in Global Public Health: Towards Universal Health Coverage in developing countries. Institute of Tropical Medicine. 52nd Annual Colloquium, Antwerp, Belgium, 8-10 November. Co-mentor to Dr AU Malik (School of Population Health, University of Queensland, Australia).
- 2010: Discussant, Doherty T. Innovations in treatment and care in public health context: Integration Plus! 2nd Annual UWC 'HIV in Context' Research Symposium on Public Health in the Age of HIV: Reflections and Redirections. Centre for Research in HIV and AIDS (CRHA), VLIR-UOS-UWC Dynamics of Building a Better Society Research Partnership, University of the Western Cape (UWC), Cape Town, 25-26 March.
- 2010: Abstract reviewer, 52nd Annual Colloquium on 'Health Research towards Universal Coverage', Institute of Tropical Medicine, Antwerp, Belgium, 8-10 November.
- 2010: Session chair, Reflections: (Mis?) fit between public health priorities, research, training and service delivery over the past twenty years. 2nd Annual UWC 'HIV in Context' Research Symposium on Public Health in the Age of HIV: Reflections and Redirections. Centre for Research in HIV and AIDS (CRHA), VLIR-UOS-UWC Dynamics of Building a Better Society Research Partnership, University of the Western Cape (UWC), Cape Town, 25-26 March.

Book proposal review

2021: Oxford University Press: *The Oxford Introduction to Health Systems and Policy*.

Chapter review

2017: A tale of two sectors: the paradox of South Africa's hospital sector. *South African Health Review 2017*; Durban, Health Systems Trust (HST).

Journal article review

2021: *African Health Sciences*

2021: *African Journal of AIDS Research*

2021: *SAGE Open Medicine*

2021: *PLoS One*

2021: *BMC Health Services Research*

2020: *Health Research Policy and Systems*

2019: *PLoS One*

2018: *African Health Sciences*

2017: *Journal of the International AIDS Society*

2015: *AIDS Education and Prevention*

2015: *BMC Health Services Research*

2014: *Trials*

2013: *African Journal of AIDS Research*

2013: *Journal of Public Health Policy*

2012: *AIDS Care*

2006-12: *Acta Academica*

2011: *SAHARA-J: Journal of the Social Aspects of HIV/AIDS*

2010: *African Health Sciences*

2010: *AIDS Care*

2010: *AIDS Patient Care and STDs*

2009: *Journal of Contemporary History*

2005: *Curationis*