CURRICULUM VITAE - TOM A MOULTRIE

Personal Details

Full Name: Thomas Austin Moultrie

Identity Number:

Date of Birth: 07 February 1970 Nationality: South African

Permanent Address:

Work telephone: +27 (0)21 650 5479
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Academic history

Institution	Year	Qualification	Subject
University of Cape Town	1992	BBusSc	Actuarial Science
University of London (LSE)	1998	MSc (Distinction)	Development Studies
University of London (LSHTM)	2002	PhD	Demography
University of Cape Town	2002 - 2004	Postdoctoral Fellows	ship in Demography

Employment history

Employer	Dates	Title
Southern Life Association	January 1993 – December 1996	Manager: AIDS Research
University of Cape Town	January 1997 – June 1997	Temporary Lecturer: Actuarial Science
	January 2005 - December 2008	Senior Lecturer: Centre for Actuarial Research (CARe)
	January 2009 - December 2014	Associate Professor of Demography (CARe)
	January 2015 - Present	Professor of Demography (CARe)

Awards and scholarships received

Dates	Award
1997-1998	Harry Crossley Memorial Scholarship to study overseas (UCT)
1999-2001	British government – Overseas Research Student (ORS) Award
1998-2001	Medical Research Council (South Africa) – Overseas Doctoral Scholarship
2002-2004	Andrew W Mellon Foundation Post-doctoral Fellowship in Demography
2008	Actuarial Society of SA Annual Award – Best paper published in 2008 (shared with Rob
	Dorrington)
Various	Conference attendance and travel awards
2009-2014	C1 rating from the NRF
2015-2020	B2 rating from the NRF
2023	Fellow of the University of Cape Town

Membership of professional bodies

- International Union for the Scientific Study of Population (IUSSP)
- Population Association of America (PAA)
- Union of African Population Studies (UAPS)
- Population Association of Southern Africa (PASA)

Professional involvement

- ❖ Session organiser / discussant at 2024 PAA Annual Meeting, United States
- Chair: Technical Advisory Group, United Nations Interagency Group on Statelessness Estimation (UN-IGSE TAG), 2020-2022
- Member of UNSDSN-TReNDS (Thematic Research Network on Data and Statistics), 2016-
- Member of International Scientific committee UAPS 7th African Population Conference, South Africa, 2015
- Session organiser / discussant at UAPS 7th African Population Conference, South Africa 2015
- Elected Council Member for Africa; International Union for the Scientific Study of Population (2014-2017)
- International and National Organising Committee, XXVIII International Population Conference (2017)
- Editor Population Studies (2011-)
- ❖ Member of Scientific Review Board Demographic Research (2011-2015)
- International Advisory Board IUSSP-UNFPA project on Distance Learning in Demography (2011- 2013)
- Session organiser and discussant of session at XXVII International Population Conference, Busan, 2013
- Session organiser / discussant at UAPS 6th African Population Conference, Burkina Faso 2011
- Member of International Scientific committee UAPS 6th African Population Conference, Burkina Faso, 2011
- Session organiser / discussant of sessions at XXVI International Population Conference, Marrakech, 2009
- ❖ Co-editor of the Southern African Journal of Demography 2001-2009
- Council member of Demsa (now Population Association of Southern Africa) in 2002-3
- Reviewed papers for Acta Juridica, AIDS, African Journal of Business Management, Asian Population Studies, Demographic Research, Demography, Development Southern Africa, Health Policy and Planning, International Migration Review, Journal of Biosocial Science, Journal of Population Research, National Academy of Sciences, PLoSOne, Population, Population and Development Review, Population Research and Policy Review, Population Studies, Scandinavian Journal of Public Health, South African Actuarial Journal, Studies in Family Planning, Transformation

Academic Involvement and citizenship

- Centrally involved in design and establishment of MPhil Programme in Demography, launched in January 2003. Convenor of the programme since launch. Course convenor and lecturer of all but one course taught within the Centre for Actuarial Research.
- Centrally involved in design and establishment of BSc Programme in Demography and Statistics, launched in January 2006, running to 2011. Convenor of the programme.
- Two PhD students supervised to completion. Two doctoral students currently nearing completion.

- ❖ 30 90-credit MPhil dissertations supervised to completion. One MPhil dissertation under examination.
- Several BBusSc (Actuarial) projects supervised
- Frequent presenter of departmental seminars
- ❖ Member of the NUSAS-SRC, UCT, 1989-90 (portfolio of media officer)
- ❖ Member of the South African Students' Press Union Executive, 1989-1992
- ❖ SASPU Western Cape Regional Organiser, 1991-1992
- ❖ Academics' Union representative on IT Working group on email 2009-2010
- ❖ Academics' Union salary negotiation team 2010-15. Leader, 2012-15
- ❖ President of the UCT Academics' Union 2014-2015
- Non-professorial member of Senate, 2008-2012. Re-elected for 2012-2016
- ❖ Member of the UCT Council, elected by the Senate, 2016-2020; 2024-2028
- ❖ Member of the University Finance Committee, 2016-2020; 2023-2028
- ❖ Member of the Senate Executive Committee, 2016-2020; 2024-2028
- Member and deputy Chair of the University Honorary Degrees Committee, 2016-2020; 2024-2028
- Co-Chair of the Senate Taskteam to Investigate Senate and its SubCommittees, 2017-19
- Chair of the University Panel on Responsible Investment (UPRI), 2019-2024
- ❖ Member of the UCT Joint Investment Committee (JIC), 2020-2024
- ❖ Member of the Senate IF-REC (InterFaculty Research Ethics Committee), 2022-
- ❖ Member of the Science Faculty Readmission Appeals Committee (SCI-RAC), 2023-
- ❖ (Acting) Chair of the Commerce Ethics in Research Committee, 2023-
- ❖ Member of the Council Ad-Hoc Governance Committee, 2023-2024
- ❖ Director, Centre for Actuarial Research (CARe), 2012-
- Acting Head of Department, School of Management Studies, September 2021-January 2022
- External examiner, Department of Demography, University of Swaziland, 2013-6
- External examiner, multiple PhD and Masters dissertations from local and international universities
- Co-author of numerous funding proposals (including Hewlett Foundation, CARe: \$1 500 000 in 3 tranches to support the Centre's activities)
- PI on UNFPA-IUSSP Project on demographic estimation from limited and defective data (2 years: \$250 000), 2012-3

Courses taught and convened(*)

- (*)DOC4003: Social Research Methods. Honours-level course on social research methods taught and convened for the Faculty of Commerce
- (*)DOC5001: Basic Demography: Introductory graduate course, using Preston, Heuveline and Guillot as the text. 44 hour contact hours per course, split evenly between lectures and tutorials.
- (*)DOC5002: Indirect Methods of Demographic Estimation. Senior post-graduate course covering methods of estimation from limited and defective data; level far beyond Manual X. 104 contact hours, split evenly between lectures and tutorials.
- (*)DOC5004: Selected Topics in Population Studies and Southern African Demography. Graduate reading course

Peer-reviewed papers published or In press

- Moultrie, Tom A and Rob Dorrington. 2024. *The 2022 South African Census*. Cape Town: South African Medical Research Council. https://www.samrc.ac.za/research-reports/2022-south-african-census
- Moultrie, T. A., R. Dorrington, D. Bradshaw and P. Groenewald. 2024. "Registered COVID deaths in South Africa during the first year of the SARS-CoV-2 epidemic", *South African Medical Journal* **114**(8):e2269. https://dx.doi.org/10.7196/SAMJ.2024.v114i8.2269
- Moultrie, Tom A. and Rob E. Dorrington. 2024. "Problems and concerns with the 2022 South African census", *South African Journal of Science* **120**(7/8):24-29. https://dx.doi.org/10.17159/sajs.2024/18585
- Steenkamp, L., S. Collie, T. A. Moultrie, H. Moultrie et al. 2024. "Death trends for 2010 2022 for members of a large private medical scheme in South Africa", South African Medical Journal 114(7):e1597. https://dx.doi.org/10.7196/SAMJ.2024.v114i7.1597
- Iwu-Jaja, Chinwe, Nkosenhle Lindo Ndlovu, Said Rachida, Mukhlid Yousif *et al.* 2023. "The role of wastewater-based epidemiology for SARS-CoV-2 in developing countries: Cumulative evidence from South Africa supports sentinel site surveillance to guide public health decision-making", *Science of The Total Environment*:165817. https://dx.doi.org/https://doi.org/10.1016/j.scitotenv.2023.165817
- Bradshaw, Debbie, Robert Dorrington, Tom Moultrie, Pam Groenewald *et al.* 2022. "Underestimated COVID-19 mortality in WHO African region", *The Lancet Global Health* **10**(11):e1559. https://dx.doi.org/10.1016/S2214-109X(22)00425-9
- Bradshaw, Debbie, Rob Dorrington, Ria Laubscher, Pamela Groenewald *et al.* 2022. "COVID-19 and all-cause mortality in South Africa the hidden deaths in the first four waves", *South African Journal of Science* **118**(5/6). https://dx.doi.org/10.17159/sajs.2022/13300
- Bradshaw, Debbie, Rob E Dorrington, Ria Laubscher, Tom A Moultrie et al. 2021. "Tracking mortality in near to real time provides essential information about the impact of the COVID-19 pandemic in South Africa in 2020", South African Medical Journal 111(8):732-740. https://dx.doi.org/10.7196/SAMJ.2021.v111i8.15809
- Dorrington, Rob E., Debbie Bradshaw, Ria Laubscher, Pam Groenewald et al. 2021.

 Methodological Note: Predicted Numbers of Deaths by Epi-Week for South Africa in 2020 and 2021. Cape Town: South African Medical Research Council.

 https://www.samrc.ac.za/sites/default/files/files/files/2021-01-24/Methodological%20Note%20on%20Predicted%20Weekly%20Deaths%2020_Jan 2021.pdf
- Dorrington, Rob E., Tom A. Moultrie, Ria Laubscher, Pam J. Groenewald et al. 2021. "Rapid mortality surveillance using a national population register to monitor excess deaths during SARS-CoV-2 pandemic in South Africa", Genus 77(1):19. https://dx.doi.org/10.1186/s41118-021-00134-6
- Moultrie, Tom, Rob Dorrington, Ria Laubscher, Pam Groenewald et al. 2021. Correlation of excess natural deaths with other measures of the Covid pandemic in South Africa.

 Cape Town: Burden of Disease Research Unit. South African Medical Research

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Council.

https://www.samrc.ac.za/sites/default/files/bod/weeklyreports/CorrelationExcessDeaths.pdf

- Moultrie, TA, RE Dorrington, R Laubscher, P Groenewald *et al.* 2021. "Unnatural deaths, alcohol bans and curfews: Evidence from a quasi-natural experiment during COVID-19", *South African Medical Journal* **111**(9):834-837. https://dx.doi.org/10.7196/SAMJ.2021.v111i9.15813
- Timæus, Ian M and Moultrie, Tom A. 2020. "Pathways to low fertility: 50 years of limitation, curtailment, and postponement of childbearing", *Demography* (online) https://dx.doi.org/10.1007/s13524-019-00848-5
- Adjiwanou, Vissého, Nural Alam, Leontine Alkema, Gershwin Asiki et al. 2020. Measuring excess mortality during the COVID-19 pandemic in low- and lower-middle income countries: the need for mobile phone surveys. https://osf.io/preprints/socarxiv/4bu3g/
- Zandy, Leila, Mohammad Torkashvand Moradabadi and Tom Moultrie. 2018. "Fitting the Age Pattern of Internal Migration in Iran with Multi-Exponential Model", *Population Policy Research* **4**(2):109-133.
- Chirikure, Shadreck, Moultrie Tom A., Bandama Foreman, Collet Dandara et al. 2017. "What was the population of Great Zimbabwe (CE1000 ± 1800)?", *PLoSOne* **12**(6):e0178335. doi: http://dx.doi.org/10.1371/journal.pone.0178335
- Moultrie, Tom A. 2017. "A Case of An Almost Complete Demographic Transition: South Africa," in May, John F. and Hans Groth (eds). *Africa's Population: In Search of a Demographic Dividend*. Cham, Switzerland: Springer, pp. 87-99. doi: http://dx.doi.org/10.1007/978-3-319-46889-1_6
- Moultrie, Tom A. 2017. "Démographie, démographes et « révolution des données » en Afrique", *Afrique Contemporaine* **258**:25-39. doi: http://dx.doi.org/10.3917/afco.258.0025
- Kisaakye, Peter, and Tom A. Moultrie. 2016. "An analysis of calendar data: examining contraceptive use dynamics in Uganda", *African Population Studies*, **30**(2):2564-2574. doi: http://dx.doi.org/10.11564/30-2-867
- Moultrie, Tom A., Tom Le Grand, Rachel Quint and Emma Samman. 2015. "The IUSSP on a data revolution for development", *Population and Development Review* **41**(1): 172-177. doi: http://dx.doi.org/10.1111/j.1728-4457.2015.00041.x
- Souza, E. and Tom A Moultrie. 2015. "Estimating the effect of HIV/AIDS on fertility among Malawian women using Demographic and Health Survey data", *African Journal of AIDS Research* **14**(4): 315-321. doi: http://dx.doi.org/10.2989/16085906.2015.1093512
- Timæus, Ian M and Tom A Moultrie. 2015. "Teenage childbearing and educational attainment in South Africa", *Studies in Family Planning* **46**(2):143-160. doi: http://dx.doi.org/10.1111/j.1728-4465.2015.00021.x

- Moultrie TA and RE Dorrington. 2014. "Further response to Govinder et al. (2014): Flaws in the Equity Index". South African Journal of Science **110**(5/6), Art. #a0069, 2 pages. http://dx.doi.org/10.1590/sajs.2014/a0069
- Moultrie TA and RE Dorrington. 2014. "Flaws in the approach and application of the Equity Index: Comments on Govinder et al. (2013)", South African Journal of Science 110(1/2):25-30. doi: http://dx.doi.org/10.1590/sajs.2014/a0049
- Timæus, Ian M and Tom A. Moultrie. 2013. "Distinguishing the impact of postponement, spacing and stopping on birth intervals: Evidence from a model with heterogeneous fecundity", *Journal of Biosocial Science* **45**(3):311-330. doi: http://dx.doi.org/10.1017/S0021932012000648
- Moultrie TA, TS Sayi and IM Timæus. 2012. "Birth intervals, postponement, and fertility decline in Africa: A new type of transition?", *Population Studies* **66**(3):241-258. doi: http://dx.doi.org/10.1080/00324728.2012.701660
- Gonçalves SD and TA Moultrie. 2012. "Short preceding birth intervals and child mortality in Mozambique", *African Journal of Reproductive Health* **16**(4):29-42.
- Moultrie TA and RE Dorrington. 2012. "Used for ill; used for good: a century of collecting data on race in South Africa", *Ethnic and Racial Studies* **35**(8):1447-1465. doi: http://dx.doi.org/10.1080/01419870.2011.607502
- Hosegood, Victoria, Nuala McGrath and Tom A. Moultrie. 2009. "Dispensing with marriage: Marital and partnership trends in rural KwaZulu-Natal, South Africa 2000-2006", Demographic Research 20(13):279-312. doi: https://dx.doi.org/10.4054/DemRes.2009.20.13
- Timæus, Ian M. and Tom A. Moultrie. 2008. "On postponement and birth intervals", Population and Development Review **34**(3):483-510. doi: https://dx.do.org/10.1111/j.1728-4457.2008.00233.x
- Dorrington, Rob and Tom A. Moultrie. 2008. "A careful look at "A re-look at recent statistics on mortality in the context of HIV/AIDS with particular reference to South Africa"", *Current HIV Research* **6**(4):279-285. doi: https://dx.doi.org/10.2174/157016208785132482
- Moultrie, Tom A. and Rob Dorrington. 2008. "Sources of error and bias in methods of fertility estimation contingent on the P/F Ratio in a time of declining fertility and rising mortality", *Demographic Research* **19**(46):1635-1662. doi: https://dx.doi.org/10.4054/DemRes.2008.19.46
- Moultrie, Tom A., Victoria Hosegood, Nuala McGrath, Caterina Hill et al. 2008. "Refining the criteria for stalled fertility declines: An application to rural KwaZulu-Natal, South Africa, 1990–2005", Studies in Family Planning **39**(1):39-48. doi: https://dx.doi.org/10.1111/j.1728-4465.2008.00149.x
- Moultrie, Tom A. and Nuala McGrath. 2007. "Teenage fertility rates falling in South Africa", South African Medical Journal **97**(6):442-443.
- Moultrie, Tom A. 2006. "The Demography of South Africa [Review]", *Population Studies* **60**(2):240-242.

- Moultrie, Tom A. 2005. "Racism and reproduction Population rhetoric in South Africa, 1900-1974", *African Studies* **64**(2):217-242. doi: https://dx.doi.org/10.1080/00020180500355710
- Dorrington, Rob, Ian M. Timæus, Tom A. Moultrie et al. 2004. "Estimates of provincial fertility and mortality in South Africa, 1985-1996", Southern African Journal of Demography 9(2):25-57.
- Camlin, Carol S., Michel Garenne and Tom A. Moultrie. 2004. "Fertility trend and pattern in a rural area of South Africa in the context of HIV/AIDS", *African Journal of Reproductive Health* **8**(2):39-54. doi: https://dx.doi.org/10.2307/3583176
- Moultrie, Tom A. and Ian M. Timæus. 2003. "The South African fertility decline: Evidence gained from two censuses and a DHS survey", *Population Studies* **57**(3): 265-283. doi: https://dx.doi.org/10.1080/0032472032000137808
- Moultrie, Tom A. and Ian M Timæus. 2002. Trends in South African fertility between 1970 and 1998: An analysis of the 1996 Census and the 1998 Demographic and Health Survey. Cape Town: Medical Research Council.
- Moultrie, Tom A. and Ian M. Timæus. 2001. "Fertility and living arrangements in South Africa", *Journal of Southern African Studies* **27**(2): 207-223. doi: https://dx.doi.org/10.1080/03057070120049930
- Moultrie, Tom A. and Thomas, G. 1997. "The right to underwrite: An actuarial perspective with a difference", *Journal of Actuarial Practice*, 5(1), 125-138.

Edited works (peer-reviewed)

Moultrie TA, RE Dorrington, AG Hill, KH Hill, IM Timæus and B Zaba (eds). 2013. *Tools for Demographic Estimation*. Paris: International Union for the Scientific Study of Population. http://demographicestimation.iussp.org/

Chapters in edited works (peer-reviewed)

- Moultrie, Tom A. 2019. "Tilting at Windmills", in JW Fedderke (ed.) *Making Society a Better Place to Live: A Festschrift for Charles Edward Wickens Simkins*, Cape Town: ERSA Press, 89-102.
- Moultrie, T.A. 2015. "Demographic Techniques: Indirect Estimation", in J.D. Wright (ed.)

 International Encyclopedia of the Social & Behavioral Sciences (2nd edition), Volume 6.

 Oxford: Elsevier, pp. 143-148. doi: https://doi.org/10.1016/B978-0-08-097086-8.31003-0
- Moultrie TA. 2013. "Assessment of parity data". In Moultrie TA, RE Dorrington, AG Hill, KH Hill, IM Timæus and B Zaba (eds). *Tools for Demographic Estimation*. Paris: International Union for the Scientific Study of Population. http://demographicestimation.iussp.org/content/assessment-parity-data
- Moultrie TA. 2013. "Evaluation of data on recent fertility from censuses". In Moultrie TA, RE Dorrington, AG Hill, KH Hill, IM Timæus and B Zaba (eds). *Tools for Demographic Estimation*. Paris: International Union for the Scientific Study of Population. http://demographicestimation.iussp.org/content/assessment-recent-fertility-data

- Moultrie TA. 2013. "The use of P/F ratio methods with survey data: Cohort-period fertility rates". In Moultrie TA, RE Dorrington, AG Hill, KH Hill, IM Timæus and B Zaba (eds). *Tools for Demographic Estimation*. Paris: International Union for the Scientific Study of Population. http://demographicestimation.iussp.org/content/cohort-period-fertility-rates
- Moultrie TA. 2013. "Direct estimation of fertility from survey data containing birth histories". In Moultrie TA, RE Dorrington, AG Hill, KH Hill, IM Timæus and B Zaba (eds). *Tools for Demographic Estimation*. Paris: International Union for the Scientific Study of Population. http://demographicestimation.iussp.org/content/direct-estimation-fertility-survey-data-containing-birth-histories
- Moultrie TA. 2013. "Fertility estimation from cohort parity increments". In Moultrie TA, RE Dorrington, AG Hill, KH Hill, IM Timæus and B Zaba (eds). *Tools for Demographic Estimation*. Paris: International Union for the Scientific Study of Population. http://demographicestimation.iussp.org/content/fertility-estimation-parity-increments
- Moultrie TA. 2013. "Introduction to fertility analysis". In Moultrie TA, RE Dorrington, AG Hill, KH Hill, IM Timæus and B Zaba (eds). *Tools for Demographic Estimation*. Paris: International Union for the Scientific Study of Population. http://demographicestimation.iussp.org/content/introduction-fertility-analysis
- Moultrie TA. 2013. "Overview of fertility estimation methods based on the P/F ratio". In Moultrie TA, RE Dorrington, AG Hill, KH Hill, IM Timæus and B Zaba (eds). *Tools for Demographic Estimation*. Paris: International Union for the Scientific Study of Population. http://demographicestimation.iussp.org/content/overview-fertility-estimation-methods-based-pf-ratio
- Moultrie TA. 2013. "The el-Badry correction". In Moultrie TA, RE Dorrington, AG Hill, KH Hill, IM Timæus and B Zaba (eds). *Tools for Demographic Estimation*. Paris: International Union for the Scientific Study of Population.

 http://demographicestimation.iussp.org/content/el-badry-correction
- Moultrie TA. 2013. "The relational Gompertz model". In Moultrie TA, RE Dorrington, AG Hill, KH Hill, IM Timæus and B Zaba (eds). *Tools for Demographic Estimation*. Paris: International Union for the Scientific Study of Population. http://demographicestimation.iussp.org/content/relational-gompertz-model
- Moultrie TA. 2013. "Synthetic relational Gompertz models". In Moultrie TA, RE Dorrington, AG Hill, KH Hill, IM Timæus and B Zaba (eds). *Tools for Demographic Estimation*. Paris: International Union for the Scientific Study of Population. http://demographicestimation.iussp.org/content/synthetic-relational-gompertz-model
- Moultrie TA and B Zaba. 2013. "Parity progression ratios". In Moultrie TA, RE Dorrington, AG Hill, KH Hill, IM Timæus and B Zaba (eds). *Tools for Demographic Estimation*. Paris: International Union for the Scientific Study of Population. http://demographicestimation.iussp.org/content/projected-parity-progression-ratios
- Moultrie TA and B Zaba. 2013. "Cohort parity comparison with vital registration data". In Moultrie TA, RE Dorrington, AG Hill, KH Hill, IM Timæus and B Zaba (eds). *Tools for Demographic Estimation*. Paris: International Union for the Scientific Study of

- Population. http://demographicestimation.iussp.org/content/cohort-parity-comparison-vital-registration-data
- Timæus IM and TA Moultrie. 2013. "Estimation of fertility by reverse survival". In Moultrie TA, RE Dorrington, AG Hill, KH Hill, IM Timæus and B Zaba (eds). *Tools for Demographic Estimation*. Paris: International Union for the Scientific Study of Population. http://demographicestimation.iussp.org/content/reverse-survival-methods.
- Timæus IM and TA Moultrie. 2013. "Introduction to model life tables". In Moultrie TA, RE Dorrington, AG Hill, KH Hill, IM Timæus and B Zaba (eds). *Tools for Demographic Estimation*. Paris: International Union for the Scientific Study of Population. http://demographicestimation.iussp.org/content/introduction-model-life-tables
- Timæus IM and TA Moultrie. 2013. "Fitting model life tables to a pair of estimates of childhood and adult mortality". In Moultrie TA, RE Dorrington, AG Hill, KH Hill, IM Timæus and B Zaba (eds). *Tools for Demographic Estimation*. Paris: International Union for the Scientific Study of Population.

 http://demographicestimation.iussp.org/content/fitting-model-life-tables-pair-estimates-child-and-adult-mortality
- Timæus IM and TA Moultrie. 2013. "Combining indirect estimates of child and adult mortality to produce a life table". In Moultrie TA, RE Dorrington, AG Hill, KH Hill, IM Timæus and B Zaba (eds). Tools for Demographic Estimation. Paris: International Union for the Scientific Study of Population.

 http://demographicestimation.iussp.org/content/combining-indirect-estimates-child-and-adult-mortality-produce-life-table

Selected other publications

Bradshaw, Debbie, Ria Laubscher, Rob E. Dorrington, Pam Groenewald et al. 2020-2023.

Report on Weekly Deaths in South Africa. Cape Town: South African Medical Research
Council. https://www.samrc.ac.za/research-reports/report-weekly-deaths-south-africa

[Significant contribution, methodologically and analytically, to over 100 weekly reports throughout the Covid pandemic and monthly reports on the weekly data since 2023]

- National Institute for Communicable Diseases (NICD). 2020-2023. COVID-19 Weekly Testing Summary. Johannesburg: NICD. https://www.nicd.ac.za/diseases-a-z-index/disease-index-covid-19/surveillance-reports/weekly-testing-summary/
 [Designed, analysed, and prepared weekly reports single-handedly from 2020-2022, and thereafter as part of a team, while seconded to the NICD as a volunteer data analyst, to over 100 weekly reports throughout the Covid pandemic]
- UNESCAP (UN Economic and Social Commission for Asia and the Pacific). 2022. Guidelines for estimating completeness of civil registration of vital events: a guide for practitioners. Bangkok: UNESCAP Statistics Division.

 https://repository.unescap.org/handle/20.500.12870/4323?show=full
 [While attributed to ESCAP, I prepared the entire monograph]

- UNESCAP (UN Economic and Social Commission for Asia and the Pacific). 2023. Reaching a regional estimate of death registration completeness. No. 32, January 2023. Bangkok: UNESCAP, Statistics Division.
 - https://repository.unescap.org/handle/20.500.12870/5287?show=full [While attributed to ESCAP, I performed the analysis, edited, and finalised the publication]
- Dahmm, Hayden and Moultrie, Tom A. 2021. Avoiding the Data Colonialism Trap. Blog post prepared for United Nations Sustainable Development Solutions Network's Thematic Research Network on Data and Statistics (UNSDSN-TReNDS). https://www.sdsntrends.org/blog/2021/datacolonialism
- Moultrie, Tom A. 2018. Monitoring the SDGs by Means of the Census. Policy Brief prepared for United Nations Sustainable Development Solutions Network's Thematic Research Network on Data and Statistics (UNSDSN-TReNDS).

 https://www.sdsntrends.org/research/2018/1/24/monitoring-the-sdgs-by-means-of-the-census
- Moultrie, Tom A. 2017. Who Might Be Left Behind in the SDGs?. Blog post prepared for United Nations Sustainable Development Solutions Network's Thematic Research Network on Data and Statistics (UNSDSN-TReNDS). https://www.unsdsn.org/news/2017/09/01/who-might-be-left-behind
- Moultrie, Tom A., Rob Dorrington and Debbie Budlender. 2016. Migration in South Africa: An analysis of the 2011 South African census data. Report prepared for the African Centre for Migration & Society: University of the Witwatersrand.
- Dorrington, Rob E. and Moultrie, Tom A. 2012. "Population projections for the Western Cape 2011 to 2025". A report prepared for the Western Cape Government and the City of Cape Town.
- Moultrie, Tom A. and Rob Dorrington. 2009. *Demography: Analysis of the NIDS Wave 1 Dataset*. Discussion Paper No. 9. Cape Town: National Income Dynamics Study.
- Moultrie, Tom A. 2008. "Chapter 3 (Fertility and Reproduction)," in Department of Health (ed). Full *Report: 2003 South Africa Demographic and Health Survey*. Pretoria: Department of Health.
- Dorrington, Rob, Debbie Budlender and Tom A. Moultrie. 2008. *Gauteng HIV and AIDS impact study*. Cape Town: Centre for Actuarial Research for the Provincial Government of Gauteng.
- Dorrington, Rob E., Tom A. Moultrie and Tim Daniel. 2006. *The Demographic Impact of HIV/AIDS in Botswana*. Gaborone: UNDP and NACA, Botswana.
- Moultrie, Tom A and Rob Dorrington. 2004. "Demography" in Teugels, Jozef L and Björn Sundt (eds). *Encyclopaedia of Actuarial Science*. Chichester: Wiley Europe.
- Moultrie, Tom A and Rob Dorrington. 2004. "The Lexis diagram" in Teugels, Jozef L and Björn Sundt (eds). *Encyclopaedia of Actuarial Science*. Chichester: Wiley Europe.
- Moultrie, Tom A and Rob Dorrington. 2004. *Estimation of fertility from the 2001 South Africa Census data*. Cape Town: Centre for Actuarial Research for Statistics South Africa.

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- Dorrington Rob, Tom A Moultrie and Ian M Timæus. 2004. *Estimation of mortality using the South African Census 2001 data*. Cape Town: Centre for Actuarial Research for Statistics South Africa.
- Dorrington, Rob, Debbie Budlender and Tom A. Moultrie. 2003. *Census 2001 Group 3 Report:*Are the numbers what we expect? Pretoria: Statistics Council.
- Moultrie, Tom A. 2002. "Apartheid's Children: Social Institutions and Birth Intervals During the South African Fertility Decline, 1960-1998." Unpublished PhD thesis, London: University of London.
- Moultrie, T., Dorrington, R. and Bradshaw, D. 1997. Representation to the South African Law Commission Project 85, South African Law Commission, Pretoria. [Submission to government on the need for collection of and access to data from death certificates for demographic and epidemiological purposes]
- Moultrie, Tom A. 1996. *AIDS and the Reconstruction and Development Programme*. RDP Briefings No.5, National Business Initiative: Johannesburg.
- Moultrie, Tom A. 1996. "The Impact of AIDS on the RDP", AIDS Analysis Africa, 6(5).
- Moultrie, Tom A. 1995. "The Impact of HIV/AIDS on the Insurance Industry", *Modern Medicine of South Africa*, 20(4).
- Moultrie, Tom A. 1995. "Protecting Life Assurance Assets in an Increasing HIV Prevalence Scenario", *AIDSScan*, 7(1).

Conference and (non-UCT) Seminar Papers Presented

- Timæus, Ian M. and Tom A. Moultrie. 2020. "Pathways through fertility transitions in the developing world, 1965-2014". Seminar presented at Berkeley University Department of Demography lunchtime seminar series, 18 November 2020.
- Timæus, Ian M. and Tom A. Moultrie. 2019. "Pathways through fertility transitions in the developing world, 1965-2014". Paper presented at the Australian National University Centre for Economic History Conference on Fertility Transitions, Past and Present, Canberra, 28 February 1 March 2019.
- Timæus, Ian M. and Tom A. Moultrie. 2017. "Postponement and limitation of births during fertility transition". Paper presented at the CamPop/ESRC Conference on Children, Mothers and Measuring Fertility: New Perspectives on the Own Child Method, Cambridge, 18-20 September 2017.
- Dorrington Rob E. and Moultrie, Tom A. 2015. "Understanding recent fertility in South Africa".

 Paper presented at 7th African Population Conference. Johannesburg, 30 November

 4 December 2015.
- Moultrie, Tom A. and Dorrington, Rob E. 2015. "Where do they all come from? Where do they all belong? Searching for Eleanor Rigby in the 2011 census data on migration". Paper presented at 7th African Population Conference. Johannesburg, 30 November 4 December 2015.

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- Moultrie, Tom A. 2015. "Elusive prospects for a demographic dividend in Southern Africa".

 Paper presented at 7th African Population Conference. Johannesburg, 30 November 4 December 2015.
- Kisaakye, Peter and Moultrie, Tom A. 2015. "An analysis of calendar data: Examining contraceptive use dynamics and trends in Eastern Africa". Paper presented at 7th African Population Conference. Johannesburg, 30 November 4 December 2015.
- Moultrie, Tom A. 2015. "What is the Data Revolution? And Why Should Demographers get involved". Paper presented at Population Association of America 2014 Annual Meeting. San Diego, CA, 30 April 2 May 2015.
- Moultrie Tom A. and Timæus, Ian M. 2014. "'Rethinking African Fertility: The state of, and in, fertility transition south of the Sahara". Paper presented at Population Association of America 2014 Annual Meeting. Boston, MA, 1-3 May 2014.
- Moultrie Tom A. and Timæus, Ian M. 2014. "'Rethinking African Fertility: The state of, and in, fertility transition south of the Sahara". Invited paper presented at the Oxford Institute of Aging Conference on Fertility Transition in the South. Oxford, England, 24 April 2014.
- Moultrie, Tom A. 2013. "Tools for demographic estimation". Paper presented at XXVII International Population Conference. Busan, South Korea, 26-31 August 2013.
- Moultrie, Tom A. and Rob E. Dorrington. 2013. "Accuracy and reliability of data collected using census questions". Paper presented at XXVII International Population Conference. Busan, South Korea, 26-31 August 2013.
- Moultrie, Tom A. and Ian M. Timæus. 2013. "Rethinking African fertility: The state in, and of, the future sub-Saharan African fertility decline". Paper presented at XXVII International Population Conference. Busan, South Korea, 26-31 August 2013.
- Timæus, Ian M. and Tom A. Moultrie. 2013. "Teenage childbearing and dropout from school in South Africa: Evidence from a household panel". Paper presented at XXVII International Population Conference. Busan, South Korea, 26-31 August 2013.
- Mapetla, Ntsoaki and Tom A. Moultrie. 2011. "Fertility and women's labour force participation in Lesotho," Paper presented at 6 African Population Conference. Ouagadougou, Burkina Faso, 5-9 December 2011.
- van Gijsen, Reinier and Moultrie, Tom A. 2011. "An African fertility standard for the Relational Gompertz model" Paper presented at Population Association of America 2011 Annual Meeting. Washington, DC, March 31 April 2 2011.
- Moultrie, Tom A. 2010. "New perspectives on indirect estimation methodologies." Paper presented at UNFPA-ECLAC Meeting on Census Data. Punta Cana, Dominican Republic, 15 July 2010.
- Moultrie, Tom A., Takudzwa S Sayi and Ian M. Timæus. 2010. "Age and parity effects on birth intervals in the African fertility decline" Paper presented at Population Association of America 2010 Annual Meeting. Dallas, TX, April 15-17, 2010.

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- Moultrie, Tom A., Takudzwa S. Sayi and Ian M. Timæus. 2009. "Stopping, spacing and postponing: The future of the African fertility decline," Paper presented at UN Expert Reference Group Meeting on Fertility. New York, NY, 1-3 December 2009.
- Moultrie, Tom A., Takudzwa S. Sayi and Ian M. Timæus. 2009. "Stopping, spacing and postponing: African patterns of fertility decline," Paper presented at XXVI IUSSP International Population Conference. Marrakech, Morocco, 27 September 2 October 2009.
- Timæus, Ian M. and Tom A. Moultrie. 2009. "On postponement and birth intervals: A reinterpretation of fertility transition in sub-Saharan Africa," Paper presented at Workshop on "Fertility declines in the past, present and future". Cambridge, UK, 15-17 July 2009.
- Dorrington, Rob and Moultrie, Tom A. 2009. "Making use of the consistency of patterns to estimate age-specific rates of interprovincial migration in South Africa," Paper presented at Annual Meeting of the Population Association of America. Detroit, Michigan, 30 April 2 May, 2009.
- Moultrie, Tom A. and Rob Dorrington. 2008. "Sources of error and bias in methods of fertility estimation contingent on the P/F Ratio in a time of declining fertility and rising mortality," Paper presented at Annual Meeting of the Population Association of America. New Orleans, Louisiana, 17-19 April, 2008.
- Wotela, Kambidima K and Tom A. Moultrie. 2008. "Features explaining fertility variations between ethnic Societies in Zambia," Paper presented at Annual Meeting of the Population Association of America. New Orleans, Louisiana, 17-19 April, 2008.
- Dorrington, Rob and Tom A. Moultrie. 2007. "A methodology for projecting sub-national populations allowing for the impact of HIV/AIDS and where data are limited and defective," Paper presented at Fifth African Population Conference. Arusha, Tanzania, 10-14 December, 2007.
- Nyirenda, Makandwe, Victoria Hosegood and Tom A. Moultrie. 2007. "Population modeling for a small area: a comparative analysis of census and demographic surveillance system data in South Africa," Paper presented at Fifth African Population Conference. Arusha, Tanzania, 10-14 December, 2007.
- Moultrie, Tom A. and Rob Dorrington. 2007. "Used for ill; used for good: A century of collecting data on race in South Africa," Paper presented at QICSS/INED conference on Social Statistics and Diversity. Montreal, Canada, 6-8 December 2007.
- Moultrie, Tom A., Victoria Hosegood, Nuala McGrath, Caterina Hill et al. 2007. "Fertility decline in rural KwaZulu-Natal, South Africa (1990-2005): Another stalled transition?" Paper presented at 7th Indepth Annual General and Scientific Meeting, Nairobi, Kenya, 3-7 September 2007.
- Moultrie, Tom A. 2007. "The demographic dividend: Possible policy, or meaningless mirage?," Paper presented at HSRC Youth Policy Initiative, Round Table 2. Pretoria, 19 July 2007.
- Dorrington, Rob and Tom A. Moultrie. 2007. "A methodology for projecting sub-national populations allowing for the impact of HIV/AIDS and where data are limited and

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- defective," Paper presented at Population Association of America Annual Meeting. New York, New York, 29-31 March 2007.
- Moultrie, Tom A. 2005. "Child spacing in Southern and Eastern Africa: Eight countries and a case for exceptionalism," Paper presented at International Union for the Scientific Study of Population, XXV General Population Conference. Tours, France, 18-23 July 2005.
- Moultrie, Tom A. 2004. "Breeding dissent: The manipulation and editing of the 2001 South African census data, and its implications for demographic estimation (with particular emphasis on fertility)," Paper presented at Annual Conference of the Demographic Association of Southern Africa. Durban, South Africa 6-8 October 2004.
- Timæus, Ian M. and Tom A. Moultrie. 2003. "Why do women use contraception?," Paper presented at Annual Meeting of the Population Association of America. Minneapolis, Minnesota, 1-3 May, 2003.
- Moultrie, Tom A. 2002. "A future with fewer children: Past and projected trends in the South African fertility transition," Paper presented at Second Annual Conference on Labour Markets and Poverty in South Africa. Johannesburg, South Africa, 22-24 October 2002.
- Dorrington, Rob, Tom A. Moultrie and Nadine Nannan. 2002. "Estimates of provincial fertility and mortality 1985-1996.," Paper presented at Annual Conference of the Demographic Association of Southern Africa. Cape Town, 26-27 September 2002.
- Moultrie, Tom A. 2002. "Why do women use contraception?," Paper presented at 2002 Demsa Annual Conference. University of the Western Cape, 26-27 September 2002.
- Nannan, N., Timæus, I. M., Moultrie, T. and Dorrington, R. 2001. "Census, DHS levels of child mortality in South Africa: Where do they meet?". Paper presented at the Demographic Association of Southern Africa, National Population Unit and Department of Social Development conference on Migration and Development in South Africa, Pretoria, 2-4 October, 2001.
- Moultrie, Tom A. 2001. "Whither underwriting? Underwriting withering?," Paper presented at the 2001 Swiss-Re Actuarial Seminar. Rüschlikon, Switzerland, 13 September 2001.
- Moultrie, Tom A. 2001. "Racism and Reproduction: The Institutional Effects of Apartheid on the South African Fertility Decline," Paper presented at the 2001 Meeting of the International Union for the Scientific Study of Population. Salvador, Brazil, 18-24 August 2001.
- Moultrie, Tom A. and Ian M. Timæus. 2001. "Apartheid's children: The South African fertility transition, 1960-98," Paper presented at the 2001 Annual Meeting of the Population Association of America. Washington DC, US, 29-31 March 2001.
- Moultrie, Tom A. 2000. "Declining fertility and increasing birth intervals in South Africa: 1970-1996," Paper presented at British Society for Population Studies annual conference. Utrecht, Netherlands, 31 August 1 September 2000.

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Moultrie, Tom A. and Ian M. Timæus. 1999. "No place to raise the kids: households, fertility and child-rearing in South Africa," Paper presented at Journal of Southern African Studies and Centre for African Studies, University of London, Workshop on Fertility in Southern Africa. London, 22-24 September 1999.

Postgraduate dissertations¹ and theses supervised

- Amutenya, L. 2024. "Early marriage in Namibia". Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Mugwendere, T. 2024. "Union Formation and Residential Arrangements in South Africa: Insights from Black/African Women of Reproductive Age" Unpublished PhD thesis. Cape Town: University of Cape Town.
- Matikinca, N. 2022. "Investigation of level and differentials in child mortality in South Africa: insight from Census 2001 and 2011, Community Survey 2016 and Demographic and Health Survey 2016". Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Moyo, A. 2022. "Adolescent contraceptive use in Zimbabwe". Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Madamombe, T. 2021. "Assessment of subnational level birth registration data in South Africa". Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Ngwenya, C. 2021. An investigation into the progression of premarital fertility since the onset of Zimbabwe's fertility transition". Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Mchenga, H. 2021. "Analysis of fertility decline in Malawi". Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Makala, G. 2020. The influence of maternal HIV status on mortality in children under the age of five years. Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Kisaakye, P. 2018. "Contraceptive histories: A comparative analysis of switching behaviour in five East African countries". Unpublished PhD thesis. Cape Town: University of Cape Town.
- Zhou, S. 2018. "Ethnic migration patterns in South Africa: A case of Zimbabwean immigrants". Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Maina, S. 2017. "Assessment of the quality of the 2009 Kenya census demographic data". Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Ncube, P. 2017. "Projecting fertility by educational attainment: Proof of concept of a new approach". Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Munjoma, M. 2015. "Estimating child mortality from data on survival of the last born child". Unpublished MPhil thesis. Cape Town: University of Cape Town.

¹ All master's dissertations are 90-credit

- Madari, Z. 2014. "Fertility dynamics in Zimbabwe". Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Bungu, M. 2013. "Two Investigations into the Causal Link between Child Mortality and Subsequent Fertility using DHS Data from Kenya, Lesotho, Malawi, Tanzania and Zimbabwe" Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Lemani, C. 2013. "Modelling covariates of infant and child mortality in Malawi" Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Mutakwa, D. 2013 "Analysis of the projected parity progression ratio method using two successive censuses/surveys". Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Chirinda, W. 2012. "Trends in the value of a₀ over time in sub-Saharan Africa" Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Souza, E. 2012. "The impact of HIV/AIDS on fertility in Malawi" Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Chingwalu, J. 2011. "Fertility differentials in South Africa: Effects of race on fertility, evidence from the National Income Dynamics Study" Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Fushayi, N. 2011. "The determinants of contraceptive use in Zambia" Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Kamugisha, M. 2011. "Demographic analysis of the baseline study done at Karogwe DSS, Tanzania". Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Pashapa, T. 2011. "Interrogation of the fertility differentials between the Malawi DHS and the Malawi Diffusion and Ideational Change Project survey data" Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Chemhaka, G. B. 2010. "Socio-economic differentials in fertility in Zimbabwe: 1980-2005". Unpublished MPhil thesis. Cape Town: University of Cape Town.
- van Gijsen, R. 2010. "Defining a sub-Saharan fertility pattern and a standard for use with the Relational Gompertz Model". Unpublished MPhil thesis. Cape Town: University of Cape Town. [Thesis awarded distinction]
- Matanyaire, S. 2009. "Birth spacing and child mortality in Mozambique: Evidence from two Demographic and Health Surveys". Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Sayi, T. S. 2009. "Fertility, birth intervals, and their proximate determinants in Zimbabwe". Unpublished MPhil thesis. Cape Town: University of Cape Town. [Thesis awarded distinction]
- Kanjala, C. 2008. "HIV/AIDS impact on childhood mortality and childhood mortality measurement: from the perspective of Kenyan and Malawian DHS data". Unpublished MPhil thesis. Cape Town: University of Cape Town.

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- Wotela, K. 2008. "Using traditional reproductive regimes to explain subnational fertility differentials in Zambia". Unpublished PhD thesis. Cape Town: University of Cape Town
- Nyirenda, M. 2007. "Small area projections: Modelling the demographic and epidemiological dynamics of a rural area in South Africa". Unpublished MPhil thesis. Cape Town: University of Cape Town.
- Mijoni, B. 2005. "Examination of fertility measures from the 1992 and 2000 Malawi Demography and Health Surveys: A review of declining fertility". Unpublished MPhil thesis. Cape Town: University of Cape Town.

Postgraduate students currently under supervision

Dzumbunu, S. PhD. Empowerment and sexual and reproductive behaviour among adolescents from four developing countries [working title]

Consultancies and expertise-based work

- Government of the Royal Kingdom of Bhutan. Close-off meeting on Inequality Assessment of CRVS data in Bhutan. Thimphu, Bhutan, 27 January 2025. [Consultancy funded by United Nations Economic and Social Commission for Asia and the Pacific]
- Government of Indonesia. Training workshop on methods of demographic estimation. Jakarta, Indonesia, 20-24 January 2025. [Consultancy funded by United Nations Economic and Social Commission for Asia and the Pacific]
- ❖ Government of the Royal Kingdom of Bhutan. Training workshop on methods of demographic estimation. Paro, Bhutan, 24 September − 3 October 2024. [Consultancy funded by United Nations Economic and Social Commission for Asia and the Pacific]
- United Nations Economic and Social Commission for Asia and the Pacific. Lead trainer and facilitator: Regional Training on Assessing Inequalities in Civil Registration Completeness. Bangkok, Thailand. 7-15 September 2023.
- United Nations Economic and Social Commission for Asia and the Pacific. Training consultancy on indirect methods for demographic estimation. Bangkok [virtual]. May 2022.
- Statistics South Africa. Training consultancy on indirect methods for demographic estimation. Pretoria, South Africa [virtual]. April 2022.
- United Nations Economic and Social Commission for Asia and the Pacific. Training consultancy on improving vital statistics systems and estimating completeness of vital registration systems. Bangkok, Thailand [virtual]. May 2021.
- United Nations Economic and Social Commission for Asia and the Pacific. Consultancy on improving vital statistics systems and estimating completeness of vital registration systems. Bangkok, Thailand [virtual]. 2021.
- United Nations High Commission for Refugees. Inception note for the creation of the Interagency Group on Statelessness Estimation. Copenhagen. 2020
- African Centre for Migration Studies, Wits University. Migration dynamics in South Africa. 2014-6.
- Provincial Government of Limpopo. 2013-4.
- ❖ Provincial Government of the Western Cape. Multiple projects
- Government of Lesotho. Bureau of Statistics. Estimation of maternal mortality from the 2006 Lesotho census data. March 2010.
- United Nations Population Division. Expert Reference Group on Fertility. New York, 2-4 December 2009.
- United Nations Population Division. Training Workshop on Analysis of Census Data. Beirut, Lebanon. 7-11 December 2009.

- ❖ International Union for the Scientific Study of Population Meetings on training of demography in developing countries. Rapporteur and drafting of policy notes. March and June 2009.
- Statistics South Africa (multiple projects over 16 years), including review and validation of 2001 and 2011 census data; and reweighting of the 2007 Community Survey
- Provincial Government of Gauteng (2006-8)
- ❖ UNDP and National AIDS Co-ordinating Authority, Botswana (2006-7)

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