

Lucas Hertzog

Curtin University, School of Population Health
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Sociologist focused on combining advanced statistics with geospatial analysis to improve human health and well-being, producing evidence-based policy-influential insights to enhance climate resilience among vulnerable populations

Education

PhD in Sociology	2015 - 2019
MSc in Sociology	2013 - 2015
Bachelor in Social Sciences	2007 - 2012
Federal University of Rio Grande do Sul	Brazil
Additional training	
Graduate Certificate in Education – Sociology	2018 - 2019
North Paraná University	Brazil
Development Studies (Visiting Student, Erasmus Mundus)	2010 - 2011
Lund University	Sweden

Work Experience

Full time appointments

Research Associate	2023 - Present
Curtin University, School of Population Health	Australia
Healthy Environments and Lives (HEAL) Network	
WHO Collaborating Centre for Climate Change and Health Impact Assessment	
Research Fellow	2020 - 2023
University of Cape Town, Centre for Social Science Research	South Africa
UKRI GCRF Accelerating Achievement for Africa's Adolescents Hub	
Lecturer	2019
Federal University of Fronteira Sul, Social Sciences Department	Brazil
Research Associate	2014 - 2016
Ministry of Justice, Brazilian National Secretariat for Policies on Drugs	Brazil

Part time appointments

Sociology Teacher	2018
Emílio Meyer High School, Grades 11 and 12	Brazil
Research & Teaching Assistant	2009-2010
Federal University of Rio Grande do Sul, Sociology Department	Brazil

Policy implementation (non-academic)

Social Housing Analyst	2011 - 2014
CAIXA (Federal Savings Bank)	Brazil

Consultancy(UN Family)

Social Protection Consultant United Nations High Commissioner for Refugees (UNHCR)	2022 - US\$27,000 South Africa
Digital opportunities for adolescents during COVID UNICEF Office of Research - Innocenti	2020 - pro bono Italy
Writing contributor for the Innocenti Research Report 'Beyond Masks: Societal impacts of COVID-19 and accelerated solutions for children and adolescents' https://www.unicef-irc.org/publications/pdf/UNICEF-Beyond-Masks-Report-Societal-impacts-of-COVID-19.pdf	

Funding (~ \$200,000)

Incentive scheme grant (multiple awards) Curtin University, School of Population Health	2023 - \$70,791 Australia
NDA Community Connect Australia Research Data Commons (ARDC)	2023 - \$40,000 Australia
Conference Travel and Grant Seeker Excellence Awards University of Cape Town	2022 - ZAR 35,000 South Africa
Multiple awards and fellowships National Council for Scientific and Technological Development	2009 - 2019 - BRL 166,800 Brazil
IASSIST Fellows Award International Association for Social Science Information Service and Technology	2022 - US\$2,000 USA
Mobility Scholarship to Lund University European Commission - EACEA	2010 - 2011 - EUR 20,000 Sweden

Publications

- Banounin, B. H., Toska, E., Maughan-Brown, B., Rudgard, W., **Hertzog**, L., Jochim, J., Armstrong, A., and Cluver, L. (2023). Associations of social media and health content use with sexual risk behaviours among adolescents in South Africa. *Sexual and Reproductive Health Matters*, 31(1):2267893 <https://doi.org/10.1080/26410397.2023.2267893>
- Hertzog**, L., Chen-Charles, J., Wittesaele, C., De Graaf, K., Titus, R., Kelly, J., Langwenya, N., Baerecke, L., Banounin, B., Saal, W., Southall, J., Cluver, L., and Toska, E. (2023). Data management instruments to protect the personal information of children and adolescents in sub-Saharan Africa. *IASSIST Quarterly*, 47(2) <https://doi.org/10.29173/iq1044>
- Hertzog**, L., Banounin, B. H., Stöckl, H., and Toska, E. (2022). Accelerating ontological security for South African adolescents living in high HIV-prevalence areas: a longitudinal study. *Psychology, Health & Medicine*, pages 1–22 <https://doi.org/10.1080/13548506.2022.2108079>
- Chipanta, D., Estill, J., Stöckl, H., **Hertzog**, L., Toska, E., Chanda, P., Mwanza, J., Kaila, K., Matome, C., Tembo, G., Keiser, O., and Cluver, L. (2022). Associations of Sustainable Development Goals Accelerators With Adolescents' Well-Being According to Head-of-Household's Disability Status—A Cross-Sectional Study From Zambia. *International Journal of Public Health*, 67:1604341 <https://www.ssph-journal.org/articles/10.3389/ijph.2022.1604341/full>
- Rudgard, W. E., Dzumbunu, S. P., Yates, R., Toska, E., Stöckl, H., **Hertzog**, L., Emaway, D., and Cluver, L. (2022). Multiple Impacts of Ethiopia's Health Extension Program on Adolescent Health and Well-Being: A Quasi-Experimental Study 2002–2013. *Journal of Adolescent Health*, page S1054139X22004189 <https://doi.org/10.1016/j.jadohealth.2022.04.010>

3. Mosha, N., Mshana, G., Toska, E., **Hertzog**, L., Desmond, C., Cluver, L., Kapiga, S., and Stöckl, H. (2022). Intergenerational education and violence effects on adolescent education, early employment and adolescent parenting. *Psychology, Health & Medicine*, pages 1–14 <https://doi.org/10.1080/13548506.2022.2108083>
2. Kusi-Mensah, K., Tamambang, R., Bella-Awusah, T., Ogunmola, S., Afolayan, A., Toska, E., **Hertzog**, L., Rudgard, W., Evans, R., and Omigbodun, O. (2022). Accelerating progress towards the sustainable development goals for adolescents in Ghana: a cross-sectional study. *Psychology, Health & Medicine*, pages 1–18 <https://doi.org/10.1080/13548506.2022.2108086>
1. **Hertzog**, L., Wittesaele, C., Titus, R., Chen, J. J., Kelly, J., Langwenya, N., Baerecke, L., and Toska, E. (2021). Seven essential instruments for POPIA compliance in research involving children and adolescents in South Africa. *South African Journal of Science*, 117(9/10) <https://doi.org/10.17159/sajs.2021/12290>

In press/under review

4. **Hertzog**, L., Morgan, G., Yuen, C., Gopi, K., Pereira, G., Johnston, F., Cope, M., Chaston, T. B., Vardoulakis, S., Vyas, A., and Hanigan, I. (n.d.c). Mortality Burden Attributable to Exceptional PM_{2.5} Air Pollution Events in Australian Cities: A Health Impact Assessment. *Heliyon*
3. Gebremedhin, T., Tessema, G., **Hertzog**, L., Newnam, E., Dachew, B., and Makate, M. (n.d.). Cost-effectiveness and benefits of perinatal health interventions in high income settings. *BMJ Open*
2. **Hertzog**, L., Cluver, L., Banounin, B. H., Saminathen, M. G., Little, M. T., Yates, R., Rudgard, W., Chiang, L. F., Annor, F., Picchetti, V., Massetti, G., Hegle, J., Foraci, M., and Toska, E. (n.d.a). Social protection as a strategy for HIV prevention, education promotion and child marriage reduction among adolescents: a cross-sectional population-based study in Lesotho. *BMC Public Health*
1. Alene, K. A., **Hertzog**, L., Gilmour, B., Clements, A., and Murray, M. (n.d.). Interventions to prevent post-tuberculosis sequelae: a systematic review and meta-analysis. *eClinicalMedicine*

Manuscripts in preparation

4. **Hertzog**, L., Morgan, G., Pereira, G., Lawrence, D., Vyas, A., Newnam, E., Tschakert, P., Charlson, F. J., Heyworth, J., Jalaludin, B., and Hanigan, I. (n.d.b). Heat and suicide in Australia 2000-2019. *MJA*
3. Little, M. T., **Hertzog**, L., Rudgard, W., Toska, E., Banounin, B., Yates, R., Chipanta, D., and Cluver, L. (n.d.). Identifying SDG accelerators to prevent violence, HIV risk, and early pregnancy among adolescents and young people in Namibia: A cross-sectional analysis of the 2019 Violence Against Children Survey. *PLOS Global Public Health*
2. Banounin, B., Castor, D., Baluku, J., Dzumbunu, S., Somefun, O., Sene, W., Chipanta, D., and **Hertzog**, L. (n.d.). Social protection and HIV risk factors among young people in six Southern African countries: an analysis of data from the cross-sectional Population-based HIV Impact Assessment surveys. *The Lancet Child & Adolescent Health*
1. Amo-Agyei, S., Keiser, O., Estill, J., **Hertzog**, L., Xaba, N., Mabhele, S., and Chipanta, D. (n.d.). Missing the poorest–Inequalities in access to social protection among the public, people living with HIV, and adolescent girls and young women in 13 sub-Saharan African countries: Analysis of population-based surveys. *PLOS Global Public Health*

Publications in portuguese

5. **Hertzog**, L. and Mello, L. G. d. (2020). An intersectional approach to inequalities: ruptures with hierarchical views. *Contemporânea - revista de sociologia da UFSCar*, 10(1):229–247 <http://dx.doi.org/10.4322/2316-1329.135>
4. **Hertzog**, L. (2019a). Between the spectacularisation of everyday life and working-class pragmatism: theoretical elements for understanding subjectivities on YouTube. *Revista Inter-Legere*, 2(26):1–24 <https://doi.org/10.21680/1982-1662.2019v2n26ID15946>
3. **Hertzog**, L. (2018b). Sociological considerations on the treatment of psychoactive substances users. *Contraponto*, 5:06–23 <https://seer.ufrgs.br/contraponto/article/download/85460/49139>
2. **Hertzog**, L. (2018a). Cultural processes and relations with social inequalities: cultural sociology theoretical contributions. *Estudos de Sociologia*, 1(24):39–62 <https://periodicos.ufpe.br/revistas/revsocio/article/download/243412/33791>
1. **Hertzog**, L. and Weiss, R. A. (2015). Sociological moral purposes: on the meanings of the normal concept in Émile Durkheim's theory. *Mediações - Revista de Ciências Sociais*, 20(2):312 <https://doi.org/10.5433/2176-6665.2015v20n2p312>

Other publications

5. He, E., **Hertzog**, L., Toska, E., Carty, C., and Cluver, L. (2020). mHealth entry points for HIV prevention and care among adolescents and young people in South Africa. *Working Paper*, (457). Publisher: CSSR, University of Cape Town https://humanities.uct.ac.za/sites/default/files/content_migration/humanities_uct_ac_za/1380/files/WP457HeHertzogToskaCartyCluver.pdf
4. **Hertzog**, L. (2019b). *Give it a like, share, and subscribe: a sociological study about work and new digital technologies on YouTube Brazil*. Thesis (PhD in Sociology), Federal University of Rio Grande do Sul(UFRGS), Porto Alegre, RS <https://lume.ufrgs.br/handle/10183/197554>
3. **Hertzog**, L. (2016). Anonymity and urban abandonment. In *Crack and social exclusion*. Ministry of Justice, Brasília https://cepad.ufes.br/sites/cepad.ufes.br/files/field/anexo/Livro%20Crack%20e%20exclus%C3%A3o%20social_Digital_WEB.pdf
2. **Hertzog**, L. (2015). *Social abandonment and substance abuse in Porto Alegre*. Dissertation (MSc in Sociology), Federal University of Rio Grande do Sul <https://lume.ufrgs.br/handle/10183/116484>
1. **Hertzog**, L. (2012). Getting back to work: an ethnographic study in an alcohol and drugs psychosocial care centre. Monograph (BA in Social Sciences). Hard copy (unpublished online)

Academic presentations

Conferences (refereed)

11. **Hertzog**, L. (2023a). Exposure to exceptional PM_{2.5} air pollution events increases mortality risk in Australian cities: a health impact assessment. In *HEAL Conference*, Australia
10. **Hertzog**, L. (2023c). Increased risks of mortality in the 21st century (2001-2020) attributable to air pollution generated by bushfires in Australia. In *Institute of Australian Geographers Conference*, Perth, Australia

9. **Hertzog, L.** (2022b). Research Governance strategies to safeguard the personal information of children and adolescents in sub-Saharan Africa. In *IASSIST 2022*, Gothenburg, Sweden
8. **Hertzog, L.** (2022a). Research Data Literacy and Socio-economic Development: Sub-Saharan African Perspectives. IASSIST 2022 Conference, Gothenburg, Sweden. In *IASSIST 2022*, Gothenburg, Sweden
7. Saal, W., Banounin, B. H., **Hertzog, L.**, Toska, E., and Cluver, L. (2022). Social support attenuates the syndemic of poor HIV care and stigma on suicidal tendencies among South African young women living with HIV. In *24th International AIDS Conference*, Montreal, Canada
6. Toska, E., Banounin, B. H., Rudgard, W. E., Saal, W., **Hertzog, L.**, Jochim, J., and Cluver, L. (2022). Impacts of the syndemic of HIV and early motherhood on adolescent girls and young women in South Africa. In *24th International AIDS Conference*, Montreal, Canada
5. **Hertzog, L.** (2018a). Biological metaphors in digital media: an ecosystem approach from youtube channels. In *VII UFRGS Sociology Seminar*, Porto Alegre, Brazil
4. **Hertzog, L.** (2016). Inequalities, gender and social class: cultural sociology contributions. In *40^o National Association of Graduate Studies and Research in Social Sciences Congress (ANPOCS)*, Caxambu, Brazil
3. **Hertzog, L.** (2014). Social inequalities and substance abuse: trajectories of crack-cocaine users under rehabilitation. In *38^o ANPOCS*, Caxambu, Brazil
2. **Hertzog, L.** (2013b). The role of intersubjective recognition in moral subject's rehabilitation. In *Society, Religions, Secularization. Debate cycle with Charles Taylor*, São Leopoldo, Brazil
1. **Hertzog, L.** (2013a). Recognition matters: the impact of family relations on drug users' rehabilitation. In *XVI Brazilian Congress of Sociology*, Salvador, Brazil

Invited talks, seminars & colloquia

9. **Hertzog, L.** (2023b). How we use reproducible pipelines in climate change and health research - and why it matters. In *Curtin EMCR Research Symposium*, Perth, Australia
8. **Hertzog, L.** (2022c). Supporting Research Data in Practice: Research Governance strategies to safeguard the personal information of children and adolescents in sub-Saharan Africa. Nuffield College, Oxford, UK
7. **Hertzog, L.** (2021). Measuring ontological (in)security in a cohort of south african adolescents living in high hiv-prevalence areas. University of Cape Town, South Africa. CSSR Lunch Seminar
6. **Hertzog, L.** and Toska, E. (2021). Measuring sdg-aligned outcomes for adolescents in sub-saharan africa. University of Cape Town, South Africa. Workshop on measuring the SDGs, organised by Professor Martin Wittenberg
5. **Hertzog, L.** (2020a). The future of work in the post-pandemic. Instituto Humanitas Unisinos – IHU, São Leopoldo, Brazil. <https://www.youtube.com/watch?v=57Y0fkGoYsU>
4. **Hertzog, L.** (2020b). Platformization of work in pop culture. Maratona DigiLabour, São Leopoldo, Brazil

3. **Hertzog, L.** (2018b). Education and neoliberalism in contemporary brazil. Bahia State University, Bom Jesus da Lapa, Brazil
2. **Hertzog, L.** (2018c). Introduction to classical social thought. Federal University of Fronteira Sul, Erechim, Brazil
1. **Hertzog, L.** (2017). Work reconfigurations in brazil: from the slavery legacy to the new informal relations in the digital space. Federal Institute of Education, Science and Technology of Rio Grande do Sul, Canoas, Brazil

Teaching

Guest Lecturer

- Climate Change, Health and Big Data Curtin University, Australia, 2023
- Global Public Health & SDGs Curtin University, Australia, 2023
- Sociology of Work Federal University of Rio Grande do Sul, Brazil, 2017

Lecturer

- Social Theory University of Fronteira Sul, Brazil, 2019
- Human Rights and Citizenship University of Fronteira Sul, Brazil, 2019
- Education and society University of Fronteira Sul, Brazil, 2019

Teaching Assistant

- Sociological Theory Federal University of Rio Grande do Sul, Brazil, 2014
- Social Inequality Studies Federal University of Rio Grande do Sul, Brazil, 2009

Supervision

Ongoing

3. Madison Little, **PhD**. Evidence-based interventions in sub-Saharan Africa to prevent violence against vulnerable children and adolescents. Department of Social Policy & Intervention, University of Oxford, 2022-2024 (expected). Co-supervision with Prof Lucie Cluver.

Completed

2. Buthaina Eltigani, **Placement Supervision, MSc level**, Department of Social Policy & Intervention, University of Oxford. Placement at the University of Cape Town, 2022. Co-Supervision with Dr Elona Toska.
1. Jeong Hyun Cho, **Honours**. Digital Literacy- A Critical Review of conceptualization of Digital Skills and Competencies among Young People in Low-and-Middle-Income Countries. Department of Sociology, University of Cape Town. 2022. Co-Supervision with Dr Elona Toska.

7. **Environmental Health**

Bushfire/climate change impacts on health outcomes 2023-Present
Support the Data and Decision Support Systems (DDSS) work package of the NHMRC's HEAL national network with a focus on methodology for data analysis and synthesis. DDSS lead: Dr Ivan Hanigan.

6. **Perinatal mortality**

Systematic review of economic evaluations to reduce perinatal morbidity and mortality 2023-Present
CI in a project to unpack the most effective interventions for achieving SDG 3.2

5. **Infectious diseases (TB)**

Burden and risk factors of long-term sequelae associated with drug-resistant tuberculosis 2023-Present
Project Manager and CI for a retrospective cohort study conducted at Gondar University Referral Hospital in northwest Ethiopia (n 1,000)

4. **Violence Prevention**

Capitalising on the VACS (Violence Against Children Surveys) to explore violence prevention provisions for Africa's adolescents 2021-2023
In partnership with CDC (United States' Centers for Disease Control and Prevention) and Together for Girls, my role in this project is to coordinate the secondary data analysis and lead the quantitative data analysis component. PIs: Prof Lucie Cluver and Dr Elona Toska

3. **Gendered Risks and HIV Prevention**

Global Fund Strategic Initiative on Adolescent Girls and Young Women - Review of the programmatic and cost effectiveness of national frameworks for AGYW programs in five sub-Saharan African countries 2021-2023
Improve prevention and treatment outcomes for young women, focusing on key pathways to HIV infection, including sexual violence and school dropout. PI: Dr Elona Toska

2. **Development Accelerators Focusing on Health Outcomes**

UKRI GCRF Accelerating Achievement for Africa's Adolescents Hub 2020-2023
Generate evidence on which development accelerators – alone and in synergy with each other – can support adolescents in Africa to reach multiple SDGs. PI: Prof Lucie Cluver

1. **Mental Health and Drug Policy**

Social Genesis of Crack in Brazil 2014-2016
Research with vulnerable populations with a history of psychoactive substance misuse. Policy influencing at national and local levels to adapt and implement interventions tested in São Paulo. PI: Prof Jessé Souza

Departmental academic administration

I PhD Research Proposal Reviewer

- (i) Albaraa Milibari. Impact of Air Pollution during cultural events and COVID lockdowns on Cardiovascular-Respiratory Morbidity and Mortality in Makkah, Saudi Arabia. Spring 2023, Curtin School of Population Health
- (ii) Melaku Birhanu Alemu. Youth preferences for sexual and reproductive health services in Ethiopia. Spring 2023, Curtin School of Population Health

II Selection Panel

- (i) Post-doc fellow, 3 positions across the year University of Cape Town, 2022
- (ii) Research Officer University of Cape Town, 2020
- (iii) Data Collectors, 4 positions Ministry of Justice, Brazil, 2014

III Staff Training and Management

- (i) Research Assistant University of Cape Town, 2022-23
- (ii) Junior Information Officer University of Cape Town, 2021-23
- (iii) 2 Post-doc fellows University of Cape Town, 2020-21
- (iv) 2 Data Collectors Ministry of Justice, Brazil, 2014-16

IV Other Departmental Service

- (i) Data Curation & Management University of Cape Town, 2020-23
- (ii) eLearning Capacity Building (Quants methods) University of Cape Town, 2020-23
- (iii) Member of the Anti-Racism Committee UKRI Accelerate Hub, 2020-23

Service in the academic community

Referee 2018
XXX UFRGS Scientific Initiation Meeting
Federal University of Rio Grande do Sul Brazil

Ad-hoc Journal Reviewer

Psychology, Health & Medicine (2), Journal of Adolescent Health (1), BMC Public Health (1), South African Journal of Science (1), IASSIST Quarterly (1), E-Compós (1), Fronteiras - estudos midiáticos (1), Contraponto (1)

Capacity building and e-learning

Summer Institute in Computational Social Science (SICSS) 2020
Stellenbosch University / Duke University / Princeton University South Africa / USA

Creation of e-Learning materials 2018
Bahia State University Brazil

Strategic Planning for Public Organizations and Public Budget 2018
National School of Public Administration Brazil

Media coverage

Croakey Health Media (Australia) Tackling bushfire threats: lessons from the HEAL 2023 conference	2023
Instituto Humanitas Unisinos (Brazil) Report about my web-conference on the future of work	2020
Instituto Humanitas Unisinos (Brazil) Interview about digital work	2020
UFRGS Ciência (Brazil) Interview about the intersection between work and new digital technologies	2019

Skills

Quantitative packages	R, Stata
Geospatial data	QGIS
Graphics Design	Adobe Photoshop
Document preparation	L ^A T _E X, MS Office
E-Learning	Moodle, MS Teams, Zoom, Wikispaces
Languages	Portuguese, English, French, Spanish

References

Dr Julio Salom

Research collaborator

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Dr Boladé Banougnin

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Former supervisor

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Prof Alex Niche Teixeira

Former supervisor

Sociology Department

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Dr Leon Garcia

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Prof Jeremy Seekings

CSSR Director

University of Cape Town
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Cape Town, South Africa

Dr Ivan Hanigan

Current line-manager

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