

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
<i>Additional Training</i>	
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

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

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*

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*


Refereed Journals - Published

8. 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>
7. **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>
6. **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>
5. 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>
4. 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>

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. 2018. Sociological considerations on the treatment of psychoactive substances users. *Contraponto*, v.5, pp. 06-23. <https://seer.ufrgs.br/contraponto/article/download/85460/49139>
2. **Hertzog**, L. (2018). 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. 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. 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. IASSIST 2022 Conference, Gothenburg, Sweden.
8. **Hertzog**, L. (2022a). Research Data Literacy and Socio-economic Development: Sub-Saharan African Perspectives. IASSIST 2022 Conference, 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. 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. Montreal, Canada.
5. **Hertzog**, L. 2018. 'Biological metaphors in digital media: an ecosystem approach from YouTube channels' - *VII UFRGS Sociology Seminar* (Porto Alegre, Brazil).
4. **Hertzog**, L. 2016. 'Inequalities, gender and social class: cultural sociology contributions' - *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' - *38^o ANPOCS* (Caxambu, Brazil).
2. **Hertzog**, L. 2013. 'The role of intersubjective recognition in moral subject's rehabilitation' - *Society, Religions, Secularization. Debate cycle with Charles Taylor* (São Leopoldo, Brazil).
1. **Hertzog**, L. 2013. 'Recognition matters: the impact of family relations on drug users' rehabilitation'-*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. 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*. CSSR Lunch Seminar. University of Cape Town, South Africa.
6. **Hertzog**, L., Toska, E. 2021. *Measuring SDG-aligned outcomes for adolescents' in sub-Saharan Africa*. Workshop on measuring the SDGs, organised by Professor Martin Wittemberg. University of Cape Town, South Africa.
5. **Hertzog**, L. 2020. *The future of work in the post-pandemic*. Instituto Humanitas Unisinos – IHU, São Leopoldo, Brazil. 
4. **Hertzog**, L., Marchi, L., Santos, L., Arriagada, A. 2020. *Platformization of Work in Pop Culture*. Maratona DigiLabour, São Leopoldo, Brazil.
3. **Hertzog**, L. 2018. *Education and neoliberalism in contemporary Brazil*. Bahia State University, Bom Jesus da Lapa, Brazil.
2. **Hertzog**, L. 2018. *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.

Projects & Policy influencing

8. 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.

7. 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

6. 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)

5. Violence Prevention

Capitalising on the new VACS (Violence Against Children Surveys) to explore violence prevention provisions for Africa's adolescents 2021-Present

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

4. 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

Support evidence-based programming in Mozambique, by assessing existing and potential frameworks and service packages, make recommendations on how they can be refined to ensure they are evidence-informed, cost-effective, and aligned with the latest technical guidance.

3. 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

I coordinate a work package of eight quantitative studies in sub-Saharan Africa (South Africa, Malawi, Zambia, Tanzania, Nigeria, Ghana, and Sierra Leone), focusing on the identification of social interventions and key areas that are associated with positive multiplier effects on adolescents' lives, using indicators aligned with the United Nations SDGs with a special attention on health outcomes.

2. Health Policy Outreach and Consultancy

Digital opportunities for adolescents during the pandemic 2020
UNICEF Office of Research - Innocenti Italy

Writing contributor for the Innocenti Research Report '[Beyond Masks: Societal impacts of COVID-19 and accelerated solutions for children and adolescents](#)'

Local Government 2016
Municipal Chamber of Porto Alegre Brazil

Adaptation and implementation of the programme ‘Open Arms’ (first implemented in the city of São Paulo) in the city of Porto Alegre. I built relationships with policymakers and connected policymakers to academics involved in the National Programme ‘Social Genesis of Crack’.

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

I coordinated the fieldwork in South Brazil and built relationships with high-ranked government officials to implement and scale-up local initiatives to support individuals with a history of substance misuse. Our focus in this project was to influence the policy on drugs in Brazil and to promote changes in the legislation to stimulate the promotion of public health and social development initiatives.

Community engagement

Local Government

2018

Santa Catarina State

Brazil

Reviewed ten community projects to test small-scale interventions to address local challenges in the Santa Catarina State (South Brazil). The projects were designed to involve the local communities (with a high prevalence of vulnerable indigenous populations) in addressing issues such as job opportunities for young people, gender-based violence, and school enrollment.

Local Government

2016

Municipal Chamber of Porto Alegre

Brazil

I built relationships with city councillors and community leaders and organised an event to disseminate the findings from the National Project ‘Social Genesis of Crack in Brazil’.

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

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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Cape Town, South Africa

Dr Ivan Hanigan

Current line-manager

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