Lucas Hertzog 📵

Quantitative Sociologist

Environmental Health \diamond Social Protection \diamond Climate Change

Curtin University, School of Population Health lucas.hertzog@curtin.edu.au \(\phi + 61 042 606 8342 \)

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

WORK EXPERIENCE

♦ 1.0 FTE Appointments

Research Associate
Curtin University, School of Population Health
Healthy Environments and Lives (HEAL) Network

2023 - Present
Australia

WHO Collaborating Centre for Climate Change and Health Impact Assessment

Research Fellow
University of Cape Town, Centre for Social Science Research
UKRI GCRF Accelerating Achievement for Africa's Adolescents Hub

Social Protection Consultant
United Nations High Commissioner for Refugees (UNHCR)
South Africa
Lecturer
Federal University of Fronteira Sul, Social Sciences Department
Brazil

Research Associate 2014 - 2016 Ministry of Justice, Brazilian National Secretariat for Policies on Drugs Brazil

⋄ 0.5 FTE

Sociology Teacher

Emílio Meyer High School, Grades 11 and 12

Research & Teaching Assistant

Federal University of Rio Grande do Sul, Sociology Department

Brazil

⋄Policy Implementation (non-academic)

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

PUBLICATIONS

Manuscripts in preparation

26. **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*

- 25. Little, M. T., **Hertzog**, L., Rudgard, W., Toska, E., Banougnin, 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*
- 24. Banougnin, 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
- 23. 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

- 22. **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*
- 21. 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*
- 20. Hertzog, L., Cluver, L., Banougnin, 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
- 19. 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

- 18. Banougnin, 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
- 17. **Hertzog**, L., Chen-Charles, J., Wittesaele, C., De Graaf, K., Titus, R., Kelly, J., Langwenya, N., Baerecke, L., Banougnin, 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).
- 16. **Hertzog**, L., Banougnin, 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.
- 15. 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.
- 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.
- 13. 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.
- 12. 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.
- 11. **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).

Publications in Portuguese

- 10. **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.
- 9. **Hertzog**, L. (2019). Between the spectacularisation of everyday life and working-class pragmatism: theoretical elements for understanding subjectivities on YouTube. *Revista Inter-Legere*, 2(26):1–24.
- 8. **Hertzog**, L. 2018. Sociological considerations on the treatment of psychoactive substances users. *Contraponto*, v.5, pp. 06-23.
- 7. **Hertzog**, L. (2018). Cultural processes and relations with social inequalities: cultural sociology theoretical contributions. *Estudos de Sociologia*, 1(24):39–62 ©
- 6. **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

Other Publications

- 5. He, E., **Hertzog**, L., Toska, E., Carty, C. & Cluver, L. 2020. mHealth entry points for HIV prevention and care among adolescents and young people in South Africa. *CSSR Working Paper*, (457).
- 4. **Hertzog**, L. 2019. 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). 339p.
- 3. **Hertzog**, L. 2016. Anonymity and urban abandonment. In: Souza, J. (ed) *Crack and social exclusion*. Brasília, Brazil: Ministry of Justice. pp. 75-102.

- 2. **Hertzog**, L. 2015. Social abandonment and substance abuse in Porto Alegre. Dissertation (MSc in Sociology). Federal University of Rio Grande do Sul. 119p ...
- 1. **Hertzog**, L. 2012. Getting back to work: an ethnographic study in an alcohol and drugs psychosocial care centre. Monograph (BA in Social Sciences). Federal University of Rio Grande do Sul. 57p. Hard copy (unpublished online).

ACADEMIC PRESENTATIONS

Conferences (Refereed)

- 20. **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.
- 19. **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.
- 18. **Hertzog**, L. (2022b). Research Governance strategies to safeguard the personal information of children and adolescents in sub-Saharan Africa. IASSIST 2022 Conference, Gothenburg, Sweden.
- 17. **Hertzog**, L. (2022a). Research Data Literacy and Socio-economic Development: Sub-Saharan African Perspectives. IASSIST 2022 Conference, Gothenburg, Sweden.
- 16. Saal, W., Banougnin, 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.
- 15. Toska, E., Banougnin, 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.
- 14. **Hertzog**, L. 2018. 'Biological metaphors in digital media: an ecosystem approach from YouTube channels' VII UFRGS Sociology Seminar (Porto Alegre, Brazil).
- 13. **Hertzog**, L. 2016. 'Inequalities, gender and social class: cultural sociology contributions' 40° National Association of Graduate Studies and Research in Social Sciences Congress (ANPOCS) (Caxambu, Brazil).
- 12. **Hertzog**, L. 2014. 'Social inequalities and substance abuse: trajectories of crack-cocaine users under rehabilitation' 38° ANPOCS (Caxambu, Brazil).
- 11. **Hertzog**, L. 2013. 'The role of intersubjective recognition in moral subject's rehabilitation' *Society*, *Religions*, *Secularization*. *Debate cycle with Charles Taylor* (São Leopoldo, Brazil).
- 10. **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 Wittenberg. 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.

GRANTS AND AWARDS (TOTAL \sim AUD 190 000)

Australia

Incentive scheme grant

2023

Windblown dust exposure impacts on health and wellbeing analysis School of Population Health, Curtin University CI Hertzog, CI Hanigan AUD 15 000

Incentive scheme grant

2023

Ambient air pollution and temperature and the risk of maternal mental health problems School of Population Health, Curtin University CI Nyadanu, CI Yaya, CI Hertzog

AUD 14 791

Incentive scheme grant

2023

Postpartum smoking, breastfeeding, and early childhood outcomes School of Population Health, Curtin University CI Dunne, CI Russel, CI Hertzog, CI Badu AUD 11 000

NDA Community Connect

2023

Australia Research Data Commons (ARDC) CI Corbett, CI Hanigan, CI Hertzog AUD 40 000

Incentive scheme grant

2023

Burden and risk factors of long-term sequelae associated with drug-resistant tuberculosis School of Population Health, Curtin University CI Hertzog, CI Alene, CI Hanigan AUD 15 $000\,$

Incentive scheme grant

2023

Economic evaluations to reduce perinatal morbidity and mortality

School of Population

Health, Curtin University

CI Makate, CI Hertzog, CI Tessema

AUD 15 000

South Africa

Conference Travel Award

2022

University of Cape Town

ZAR 15 000

Enabling Grant Seeker Excellence Awards

2020

University of Cape Town

ZAR 20 000

Brazil

Doctorate Fellowship

2015 - 2019

National Council for Scientific and Technological Development (CNPq)

BRL 2 600 (monthly stipend)

Master's Fellowship

2013 - 2015

Coordination of Improvement of Higher Education Personnel (CAPES)

BRL 1 500 (monthly stipend)

Teaching & Research Assistantship

2009-2010

Sociology Department, Federal University of Rio Grande do Sul

National Council for Scientific and Technological Development (CNPq)

BRL 500 (monthly stipend)

Other Countries

IASSIST Fellows Award

2022

International Association for Social Science Information Service and Technology

USA

U\$ 2 000

Mobility Scholarship to Lund University

2010 - 2011

European Commission - EACEA

Sweden

Erasmus Mundus External Cooperation Window Programme

EUR 20 000

TEACHING

I Lecturer

Autumn, 2019

Introduction to social thought Human rights and citizenship

Autumn, 2019 Autumn, 2019

Fundamentals of education Social Sciences Department

Federal University of Fronteira Sul

Brazil

II Guest Lecturer

Global Public Health
Climate Change, Health and Big Data
Autumn, 2023
Autumn, 2023

Curtin School of Population Health

Curtin University Australia

Sociology of Work Spring, 2017

Sociology Department

Federal University of Rio Grande do Sul Brazil

III High School Teacher

Introduction to Anthropology Second term, 2018
Introduction to Sociology Third term, 2018

Emílio Meyer High School Brazil

IV Teaching Assistant

Classical Sociological Theory Spring, 2014 Social Inequality Studies Autumn and Spring, 2009

Sociology Department

Federal University of Rio Grande do Sul Brazil

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.

PUBLIC HEALTH PROJECTS

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 teatment 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 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

Municipal Chamber of Porto Alegre

2016 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

Local Government 2016

such as job opportunities for young people, gender-based violence, and school enrollment.

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
 (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	on Officer	University of Cape Town, 2021-23
(iii) 2 Post-doc fellow	s	University of Cape Town, 2020-21
(iv) 2 Data Collectors	5	Ministry of Justice, Brazil, 2014-16
IV Other Departamen	ntal Service	
(i) Data Curation &	Management	University of Cape Town, 2020-23
(ii) eLearning Capac	ity Building (Quants methods)	University of Cape Town, 2020-23
(iii) Member of the A	nti-Racism Committee	UKRI Accelerate Hub, 2020-23
SERVICE IN THE ACA	ADEMIC COMMUNITY	
Referee		2018
XXX UFRGS Scientific In Federal University of Rio	9	Brazil
	dicine (2), Journal of Adolesce l of Science (1), IASSIST Quart	ent Health (1), BMC Public Health terly (1), E-Compós (1), Fronteiras -
CAPACITY BUILDING	G AND E-LEARNING	
	omputational Social Scienc Duke University / Princeton University	
Creation of e-Learning Bahia State University	materials	2018 Brazil
Strategic Planning for National School of Public	Public Organizations and I Administration	Public Budget 2018 Brazil
MEDIA COVERAGE		
Croakey Health Media Tackling bushfire threats:	(Australia) lessons from the HEAL 2023 co	2023 onference
Instituto Humanitas U Report about my web-con	nisinos (Brazil) ference on the future of work	2020
Instituto Humanitas U Interview about digital wo	,	2020
UFRGS Ciência (Brazi Interview about the inters	il) ection between work and new o	2019 digital technologies
RELEVANT SKILLS		
Quantitative packages	R, Stata	
Geospatial data Graphics Design	QGIS Adobe Photoshop	
Document preparation	LATEX, MS Office	

Moodle, MS Teams, Zoom, Wikispaces

Portuguese, English, French, Spanish

E-Learning Languages

REFERENCES

Dr Julio Salom

Research collaborator
Public Administration Department
Santa Catarina State University
+55 51 98177-8389
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Florianópolis, Brazil

Dr Boladé Banougnin

Research collaborator
United Nations Population Fund
+229 97 00 49 80
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Dakar, Senegal

Prof Carlos Sávio Teixeira

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Political Science Department
Fluminense Federal University
+55 21 98282-721
carlos.savio.teixeira@gmail.com
Rio de Janeiro, Brazil

Prof Alex Niche Teixeira

Former supervisor Sociology Department Federal University of Rio Grande do Sul +55 51 3308-5645 alexnt.ufrgs@gmail.com Porto Alegre, Brazil

Dr Leon Garcia

Former supervisor Medical School University of São Paulo +55 11 99914-6566 leonslgarcia@gmail.com São Paulo, Brazil

Prof Jeremy Seekings

CSSR Director University of Cape Town jeremy.seekings@uct.ac.za Cape Town, South Africa

Dr Ivan Hanigan

Current line-manager
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