



CELEBRATES SCIENCE



January 2024

1. INTRAMURAL RESEARCH UNITS

Biomedical Research and Innovation Platform

1. Moagi I, **Mabasa L**, Maputle SM, Ndwandwe D, Raliphaswa NS, Netshikweta LM, Malwela T, Samie A. The impact of DNA methylation as a factor of Adverse Pregnancy and Birth Outcomes (APBOs): A systematic review protocol. *Systematic Reviews*. 2024 Jan 2;13:4.
DOI: 10.1186/s13643-023-02416-w

Biostatistics

1. Adam F, Derman W, Schweltnus M, Boer PH, **Jordaan E**, Runciman P. Injury incidence according to athlete impairment type during the 2012 and 2016 Summer Paralympic Games: A combined analysis of 101 108 athlete days. *British Journal of Sports Medicine*. 2024 Jan 29.
DOI: 10.1136/bjsports-2023-107144
2. Takalani A, Robinson M, Jonas P, Bodenstein A, Sambo V, Jacobson B, Louw V, opie J, Peter J, Rowji P, **Seocharan I**, **Reddy T**, **Yende-Zuma N**, Khutho K, Sanne I, Bekker L-G, Gray G, Garret N, Goga A, The Sisonke Study Team. Safety of a second homologous Ad26.COVID.S vaccine among healthcare workers in the phase 3b implementation Sisonke study in South Africa. *Vaccine*. 2024 Jan 25.
DOI: 10.1016/j.vaccine.2024.01.066

Burden of Disease

1. Murahwa AT, Mudzviti T, Mandishora RSD, Chatindo T, Chanetsa P, Pascoe M, Shamu T, **Basera W**, Luethy R, Williamson A-L. Vaccine and non-vaccine HPV types presence in adolescents with vertically acquired HIV five years post Gardasil quadrivalent vaccination: The ZIMGARD Cohort. *Viruses*. 2024 Jan 22;16(1):162.
DOI: 10.3390/v16010162
2. Moen L, Liu B, Bukirwa P, Chingonzoh T, Chokunonga E, Finesse A, Korir A, Lamin B, Lorenzoni CF, Manraj SS, N'Da G, Odzebe AWS, Ogunbiyi O, **Somdyala NIM**, Packzowski M, Parkin DM. Trends in the incidence of colorectal cancer in sub-Saharan Africa: A population-based registry study. *International Journal of Cancer*. 2024 Jan 29.
DOI: 10.1002/ijc.34942

Centre for Tuberculosis

1. Barilar I, Battaglia S, Borroni E, Brandao AP, Brankin A, Cabibbe AM, Carter J, Chetty D, Cirillo DM, Claxton P, Clifton DA, Cohen T, Coronel J, Crook DW, Dreyer V, Earle SG, Escuyer V, Ferrazoli L, Fowler PW, Gao GF, Gardy J, Gharbia S, Ghisi KT, Ghodousi A, Gibertoni Cruz AL, Grandjean L, Grazian C, Groenheit R, Guthrie JL, He W, Hoffmann H, Hoosdally SJ, Hunt M, Iqbal Z, Ismail NA, Jarrett L, Joseph L, Jou R, Kambli P, Khot R, Knaggs J, Koch A, Kohlerschmidt D, Kouchaki S, Lachapelle AS, Lalvani A, Lapierre SG, Laurenson IF, Letcher B, Lin WH, Liu C, Liu D, Malone KM, Mandal A, Mansjö M, Calisto Matias DVL, Meintjes G, de Freitas Mendes F, Merker M, Mihalic M, Millard J, Miotto P, Mistry N, Moore D, Musser KA, Ngcamu D, Nhung HN, Niemann S, Nilgiriwala KS, Nimmo C, O'Donnell M, Okozi N, Oliveira RS, Omar SV, Paton N, Peto TEA, Pinhata JMW, Plesnik S, Puyen ZM, Rabodoarivelo MS, Rakotosamimanana N, Rancoita PMV, Rathod P, Robinson ER, Rodger G, Rodrigues C, Rodwell TC, Roohi A, Santos-Lazaro D, Shah S, Smith G, Kohl TA, Solano W, Spitaleri A, Steyn AJC, Supply P, Surve U, Tahseen S, Thuong NTT, Thwaites G, Todt K, Trovato A, Utpatel C, Van Rie A, Vijay S, Walker AS, Walker TM, **Warren R**, Werngren J, Wijkander M, Wilkinson RJ, Wilson DJ, Wintringer P, Xiao YX, Yang Y, Yanlin Z, Yao SY, Zhu B. Quantitative measurement of antibiotic resistance in Mycobacterium tuberculosis reveals genetic determinants of resistance and susceptibility in a target gene approach. *Nature Communications*. 2024 Jan 12;15(1):488.
DOI: 10.1038/s41467-023-44325-5

2. Buss P, **Miller M**, Fuller A, Haw A, Thulson E, Olea-Popelka F, Meyer L. Effects of butorphanol on respiration in white rhinoceros (*Ceratotherium simum*) immobilized with etorphine-azaperone. *Journal of Wildlife Diseases*. 2024 Jan 25.
DOI: 10.7589/JWD-D-23-00034
3. **Dwyer R, Witte C**, Buss P, **Warren R, Miller M, Goosen W**. Antemortem detection of *Mycobacterium bovis* in nasal swabs from African rhinoceros. *Scientific Reports*. 2024 Jan 3; 14(1):357.
DOI: 10.1038/s41598-023-50236-8
4. Gupta-Wright A, Ha H, **Abdulgadar S**, Crowder R, Emmanuel J, Mukwatamundu J, Marcelo D, Phillips PPJ, Christopher DJ, Nhung NV, **Theron G**, Yu C, Nahid P, Cattamanchi A, Worodria W, Denkinger CM, on behalf of the R2D2 TB Network. Evaluation of the Xpert MTB host response assay for the triage of patients with presumed pulmonary tuberculosis: A prospective diagnostic accuracy study in Viet Nam, India, the Philippines, Uganda, and South Africa. *The Lancet Global Health*. 2024 Jan 18.
DOI: 10.1016/S2214-109X(23)00541-7
5. **Möller M, Hoal E**, Henn BM. The power of contemporary African DNA: Exploring models of human evolution and health in Africa. *South African Journal of Science*. 2024 Jan 30; 120(1/2):17145.
DOI: 10.17159/sajs.2024/17145
6. Ochieng J, Kwagala B, Barugahare J, **Möller M**, Moodley K. Awareness, experiences and perceptions regarding genetic testing and the return of genetic and genomics results in a hypothetical research context among patients in Uganda: A qualitative study. *Journal of Medical Ethics*. 2024 Jan 30.
DOI: 10.1136/jme-2022-108885
7. Romagnoli CL, **Conceição EC**, Machado E, Barreto LBPF, **Sharma A**, Silva NM, Marques LE, Juliano MA, da Silva Lourenço MC, Digiampietri LA, Suffys PN, Leão SC, Viana-Niero C. Description of new species of *Mycobacterium terrae* complex isolated from sewage at the São Paulo zoological park foundation in Brazil. *Frontiers in Microbiology*. 2024 Jan 23;15:1335985.
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8. **Schurz H**, Naranbhai V, Yates TA, Gilchrist J, Parks T, Dodd PJ, **Möller M, Hoal EG**, Morris AP, Hill AVS; International Tuberculosis Host Genetics Consortium. Multi-ancestry meta-analysis of host genetic susceptibility to tuberculosis identifies shared genetic architecture. *Elife*. 2024 Jan 15; 13:e84394.
DOI: 10.7554/eLife.84394
9. Subramaniam S, Joyce P, Ogunniyi AD, Dube A, **Sampson SL**, Lehr CM, Prestidge CA. Minimum information for conducting and reporting in vitro intracellular infection assays. *ACS Infectious Diseases*. 2024 Jan 31.
DOI: 10.1021/acsinfecdis.3c00613

Environment and Health

1. **Street R**, Johnson R, Guerfali FZ. Double-edged sword of wastewater surveillance. *The Lancet Regional Health – Americas*. 2024 Jan 8.
DOI: 10.1016/j.lana.2023.100664
2. Wernecke B, Langerman KE, Howard AI, **Wright CY**. Fuel switching and energy stacking in low-income households in South Africa: A review with recommendations for household air pollution exposure research. *Energy Research & Social Science*. 2024 Jan 20.
DOI: 10.1016/j.erss.2024.103415

3. **Wright CY, Kapwata T, Naidoo N**, Asante KP, Arku RE, Cissé G, Simane B, Atuyambe L, Berhane K. Climate change and human health in Africa in relation to opportunities to strengthen mitigating potential and adaptive capacity: Strategies to inform an African “brains trust”. *Annals of Global Health*. 2024 Jan 29;90(1):7.
DOI: 10.5334/aogh.4260

Gender and Health

1. **Abrahams N, Mhlongo S, Chirwa E, Dekel B, Ketelo A**, Lombard C, **Shai N, Ramsoomar L**, Mathews S, Labuschagne G, Matzopoulos R, Prinsloo M, Martin LJ, **Jewkes R**. Femicide, intimate partner femicide, and non-intimate partner femicide in South Africa: An analysis of 3 national surveys, 1999-2017. *PLoS Medicine*. 2024 Jan 18;21(1):e1004330.
DOI: 10.1371/journal.pmed.1004330
2. **Abrahams N, Nothling J**. Adolescent mental health: A priority public health problem in low resource settings. *The Lancet Psychiatry*. 2024 Jan 18.
DOI: 10.1016/S2215-0366(23)00431-5
3. **Mahlangu P, Machisa MT, Jewkes R**, Gibbs A, **Shai N, Sikweyiya Y**. Reflections on the process, challenges, and lessons learned conducting remote qualitative research on violence against women during COVID-19 pandemic lockdown in South Africa. *BMC Public Health*. 2024 Jan 2;24(1):33.
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Genomics Centre

1. Krause AK, Shingwenyana B, **Carstens N**, Mpangase P, Molatoli M, Nevondwe P, Louw N, Lumaka A, Lukusa P, Devriendt K, Lombard Z. Deciphering Developmental Disorders in Africa (DDD-Africa) -the first ~100 cases from South Africa. *European Journal of Human Genetics*. 2024 Jan 4;32(Suppl 1):471-472.
2. Seymour H, Feben C, Nevondwe P, Kerr R, Spencer C, Mudau M, Honey E, Lombard Z, Krause A, **Carstens N**. Mutation profiling in South African patients with Cornelia de Lange syndrome phenotype. *Molecular Genetics and Genomic Medicine*. 2024 Jan 12;12(1):e2342.
DOI: 10.1002/mgg3.2342

Health Systems

1. Fincham L, **Hohlfeld A**, Clarke M, **Kredo T**, McCaul M. Exploring trial publication and research waste in COVID-19 randomised trials of hydroxychloroquine, corticosteroids, and vitamin D: A meta-epidemiological cohort study. *BMC Medical Research Methodology*. 2024 Jan 23;24(1):19.
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2. Jeyashree K, Abdulkader RS, Haridoss M, Govindaraju R, Brand A, Visser M, Gordon S, Tiwari H, Sumitha TS, Chandran K, **Mabetha D, Durao S**. Menu labeling and portion size control to improve the out-of-home food environment: A scoping review. *Cochrane Evidence Synthesis and Methods*. 2024 Jan 2(1):e12039.
DOI: 10.1002/cesm.12039
3. **Lewin S**, Langlois EV, Tunçalp Ö, Portela A. Assessing unConventional Evidence (ACE) tool: Development and content of a tool to assess the strengths and limitations of 'unconventional' source materials. *Health Research Policy and Systems*. 2024 Jan 2;22(1):2.
DOI: 10.1186/s12961-023-01080-9
4. Moyo RC, Sigwadhi LN, **Carries S, Mkhwanazi Z, Bhana A, Bruno D**, Davids EL, Van Hout MC, **Govindasamy D**. Health-related quality of life among people living with HIV in the era of universal test and treat: Results from a cross-sectional study in KwaZulu-Natal, South Africa. *HIV Research & Clinical Practice*. 2024 Jan 13.
DOI: 10.1080/25787489.2023.2298094

- Pessano S, **Gloeck NR**, Tancredi L, Ringsten M, **Hohlfeld A**, **Ebrahim S**, Albertella M, **Kredo T**, Bruschetti M. Ibuprofen for acute postoperative pain in children. *Cochrane Database of Systematic Reviews*. 2024 Jan 5;2024(1):CD015432.
DOI: 10.1002/14651858.CD015432.pub2
- Zharima C, Singh R, Closson K, Beksinska M, Zulu B, Jesson J, Pakhomova T, Dong E, **Dietrich J**, Kaida A, Basham CA. Economic hardship and perpetration of intimate partner violence by young men in South Africa during the COVID-19 pandemic (2021-2022): A cross-sectional study. *Injury Epidemiology*. 2024 Jan 16;11(1):2.
DOI: 10.1186/s40621-024-00483-8

HIV and Other Infectious Diseases

- Hazel EA, Erchick DJ, Katz J, Lee ACC, Diaz M, Wu LSF, West KP Jr, Shamim AA, Christian P, Ali H, Baqui AH, Saha SK, Ahmed S, Roy AD, Silveira MF, Buffarini R, Shapiro R, Zash R, Kolsteren P, Lachat C, Huybregts L, Roberfroid D, Zhu Z, Zeng L, Gebreyesus SH, Tesfamariam K, Adu-Afarwuah S, Dewey KG, Gyaase S, Poku-Asante K, Boamah Kaali E, Jack D, Ravilla T, Tielsch J, Taneja S, Chowdhury R, Ashorn P, Maleta K, Ashorn U, Mangani C, Mullany LC, Khatri SK, **Ramokolo V**, Zembe-Mkabile W, Fawzi WW, Wang D, Schmiegelow C, Minja D, Msemu OA, Lusingu JPA, Smith ER, Masanja H, Mongkolchat A, Keentupthai P, Kakuru A, Kajubi R, Semrau K, Hamer DH, Manasyan A, Pry JM, Chasekwa B, Humphrey J, Black RE. Neonatal mortality risk of vulnerable newborns by fine stratum of gestational age and birthweight for 230 679 live births in nine low- and middle-income countries, 2000-2017. *BJOG*. 2024 Jan 16.
DOI: 10.1111/1471-0528.17743

Mental Health, Alcohol, Substance Use and Tobacco

- Ayieko P, Kisanga E, Mshana G, **Nkosi S**, Hansen CH, **Parry CDH**, Weiss HA, Grosskurth H, Hayes RJ, **Morojele NK**, Kapiga S. Epidemiology of alcohol use and alcohol use disorders among people living with HIV on antiretroviral therapy in Northwest Tanzania: Implications for ART adherence and case management. *AIDS Care*. 2024 Jan 31.
DOI: 10.1080/09540121.2023.2299324
- Bantjes J**, du Plessis S, Jansen A, Slabbert P. Pedestrian safety: Motorists' attitudes to the law and driving practices in South Africa. *South African Journal of Science*. 2024 Jan 30;120(1-2):13225.
DOI: 10.17159/sajs.2024/13225
- Myers B**, Regenauer KS, Rose A, **Johnson K**, **Ndamase S**, **Ciya N**, Brown I, Joska J, Bassett IV, Belus JM, Ma TC, Sibeko G, Magidson JF. Community health worker training to reduce mental health and substance use stigma towards patients who have disengaged from HIV/TB care in South Africa: Protocol for a stepped wedge hybrid type II pilot implementation trial. *Implementation Science Communications*. 2024 Jan 2;5(1):1.
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Non-Communicable Disease

- Hellebo A, **Kengne AP**, Ademi Z, Alaba O. The burden of type 2 diabetes on the productivity and economy in sub-Saharan Africa: A life table modelling analysis from a South African perspective. *Pharmacoeconomics*. 2024 Jan 24.
DOI: 10.1007/s40273-024-01353-3
- Kruger EC, Van der Westhuizen DJ, Erasmus RT, Banderker RB, Jacob D, Moodley N, Ngxamngxa U, **Kengne AP**, Zemlin AE. A National laboratory perspective: The impact of the Covid-19 pandemic on the management of patients with non-communicable disease in South Africa: Impact of COVID-19 on patients with noncommunicable diseases. *Disaster Medicine and Public Health Preparedness*. 2024 Jan 30;18:e13.
DOI: 10.1017/dmp.2024.8

3. Laranjo L, Lanas F, Sun MC, Chen DA, Hynes L, Imran TF, Kazi DS, **Kengne AP**, Komiyama M, Kuwabara M, Lim J, Perel P, Piñeiro DJ, Ponte-Negretti CI, Séverin T, Thompson DR, Tokgözoğlu L, Yan LL, Chow CK. World Heart Federation roadmap for secondary prevention of cardiovascular disease: 2023 update. *Global Heart*. 2024 Jan 22;19(1):8. DOI: 10.5334/gh.1278
4. Olowoyo P, Barango P, Moran A, Williams B, Whelton PK, Owolabi M; ACHIEVE [includes: **Kengne AP**]. Priorities to reduce the burden of hypertension in Africa through ACHIEVE. *The Lancet Global Health*. 2024 Jan 18. DOI: 10.1016/S2214-109X(23)00540-5
5. Ras J, Soteriades ES, Smith DL, **Kengne AP**, Leach L. Evaluation of the relationship between occupational-specific task performance and measures of physical fitness, cardiovascular and musculoskeletal health in firefighters. *BMC Public Health*. 2024 Jan 2;24(1):20. DOI: 10.1186/s12889-023-17487-6
6. Sobngwi E, Sobngwi-Tambekou J, Katte JC, Echouffo-Tcheugui JB, Balti EV, **Kengne AP**, Fezeu L, Ditah CM, Tchatchoua AP, Dehayem M, Unwin NC, Rankin J, Mbanya JC, Bell R. Gestational diabetes mellitus in Cameroon: Prevalence, risk factors and screening strategies. *Frontiers in Clinical Diabetes and Healthcare*. 2024 Jan 9;4:1272333. DOI: 10.3389/fcdhc.2023.1272333
7. Strauss KE, Phoswa WN, Lebelo SL, **Modjadji P**, Mokgalaboni K. Endothelial dysfunction, a predictor of cardiovascular disease in HIV patients on antiretroviral therapy: A systematic review and meta-analysis. *Thrombosis Research*. 2024 Jan 4. DOI: 10.1016/j.thromres.2023.12.011

Office of the President/Vice-President

1. **Katoto PDMC**, Bihehe D, Brand A, Mushi R, Kusinza A, Alwood BW, van Zyl-Smit RN, Tamuzi JL, Sam-Agudu NA, Yotebieng M, Metcalfe J, Theron G, Godri Pollitt KJ, Lesosky M, Vanoirbeek J, Mortimer K, Nawrot T, Nemery B, Nachegea JB. Household air pollution and risk of pulmonary tuberculosis in HIV-Infected adults. *Environmental Health*. 2024 Jan 17;23(1):6. DOI: 10.1186/s12940-023-01044-0

South African Cochrane Centre

1. **Adamu AA**, Jalo RI, **Ndwandwe D**, **Wiysonge CS**. Assessing the implementation determinants of pilot malaria vaccination programs in Ghana, Kenya, and Malawi through a complexity lens: A rapid review using a consolidated framework for implementation research. *Vaccines*. 2024 Jan 23; 12(2):111. DOI: 10.3390/vaccines12020111
2. **Cooper S**, Gadanya MA, Kaawa-Mafigiri D, Katoto PDMC, Sambala EZ, Temfack E, **Wiysonge CS**. Using social media to build confidence in vaccines: Lessons from community engagement and social science research in Africa. *BMJ*. 2024 Jan 16;384:e075564. DOI: 10.1136/bmj-2023-075564
3. de Souza Amorim Matos CC, Couto MT, **Oduwale EO**, **Wiysonge CS**. Caregivers' perceptions on routine childhood vaccination: A qualitative study on vaccine hesitancy in a South Brazil state capital. *Human Vaccines & Immunotherapeutics*. 2024 Jan 9. DOI: 10.1080/21645515.2023.2298562
4. Piggott T, Moja L, Garcia CAC, Akl EA, Banzi R, Huttner B, **Kredo T**, Lavis JN, Schünemann HJ. User-experience testing of an evidence-to-decision framework for selecting essential medicines. *PLOS Global Public Health*. 2024 Jan 11;4(1):e0002723. DOI: 10.1371/journal.pgph.0002723

5. van Heerden JK, Louw EH, Thienemann F, **Engel ME**, Allwood BW. The prevalence of pulmonary hypertension in post-tuberculosis and active tuberculosis populations: A systematic review and meta-analysis. *European Respiratory Review*. 2024 Jan 17.
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2. EXTRAMURAL RESEARCH UNITS

Antibody Immunity

1. Lemmer Y, Chapman R, Abolnik C, Smith T, Schafer G, **Hermanus T**, Goosen K, Sepotokele KM, Gers S, Suliman T, Preiser W, Shaw ML, Roth R, Truys A, Chipangura J, Magwaza M, Mahanjana O, **Moore PL**, O’Kennedy MM. Protective efficacy of a plant-produced beta variant rSARS-CoV-2 VLP vaccine in golden Syrian hamsters. *Vaccine*. 2024 Jan 18. DOI: 10.1016/j.vaccine.2024.01.036

Antiviral Gene Therapy

1. Chu WS, Ng J, **Waddington SN**, Kurian MA. Gene therapy for neurotransmitter-related disorders. *Journal of Inherited Metabolic Disease*. 2024 Jan 14;47(1):176-91. DOI: 10.1002/jimd.12697
2. Gurung S, Timmermand OV, Perocheau D, Gil-Martinez AL, Minnion M, Touramanidou L, Fang S, Messina M, Khalil Y, Spiewak J, Barber AR, Edwards RS, Pinto PL, Finn PF, Cavedon A, Siddiqui S, Rice L, Martini PGV, Ridout D, Heywood W, Hargreaves I, Heales S, Mills PB, **Waddington SN**, Gissen P, Eaton S, Ryten M, Feelisch M, Frassetto A, Witney TH, Baruteau J. mRNA therapy corrects defective glutathione metabolism and restores ureagenesis in preclinical argininosuccinic aciduria. *Science Translational Medicine*. 2024 Jan 10;16(729):eadh1334. DOI: 10.1126/scitranslmed.adh1334

Bioinformatics Capacity Development

1. **Martin DR**, Mutombwera AT, Madiehe AM, Onani MO, Meyer M, **Cloete R**. Molecular modeling and simulation studies of SELEX-derived high-affinity DNA aptamers to the Ebola virus nucleoprotein. *Journal of Biomolecular Structure and Dynamics*. 2024 Jan 13. DOI: 10.1080/07391102.2024.2302922
2. Oselusi SO, Dube P, **Odugbemi AI**, Akinyede KA, Ilori TL, Egieyeh E, Sibuyi NR, Meyer M, Madiehe AM, Wyckoff GJ, Egieyeh SA. The role and potential of computer-aided drug discovery strategies in the discovery of novel antimicrobials. *Computers in Biology and Medicine*. 2024 Jan 2. DOI: 10.1016/j.combiomed.2024.107927
3. Tirunch G, Yilma M, Wakuma B, Abdisa E, Bayisa L, **Nichols M**, Bedeker A, Tiffin N. Compliance with research ethics in epidemiological studies targeted to conflict-affected areas in Western Ethiopia: Validity of Informed Consent (VIC) by Information Comprehension and Voluntariness (ICV). *BMC Medical Ethics*. 2024 Jan 18;25(1):9. DOI: 10.1186/s12910-024-01003-5

Cardiometabolic Health

1. **Tshivhase AM**, **Matsha T**, **Raghubeer S**. Resveratrol attenuates high glucose-induced inflammation and improves glucose metabolism in HepG2 cells. *Scientific Reports*. 2024 Jan 11; 14(1):1106. DOI: 10.1038/s41598-023-50084-6

Centre for Antimicrobial Resistance

1. **Tomasicchio M**, **Jaumdally S**, **Wilson L**, **Kotze A**, **Semple L**, **Meier S**, **Pooran A**, **Esmail A**, **Pillay K**, **Roberts R**, **Kriel R**, **Meldau R**, **Oelofse S**, **Mandviwala C**, **Burns J**, **Londt R**, **Dauids M**, **van der Merwe C**, **Roomaney A**, **Kühn L**, **Perumal T**, **Scott AJ**, **Hale MJ**, **Baillie V**, **Mahtab S**, **Williamson C**, **Joseph R**, **Sigal A**, **Joubert I**, **Piercy J**, **Thomson D**, **Fredericks DL**, **Miller MG**, **Nunes MC**, **Madhi SA**, **Dheda K**. SARS-CoV-2 viral replication persists in the human lung for several weeks after symptom onset. *American Journal of Respiratory and Critical Care Medicine*. 2024 Jan 16. DOI: 10.1164/rccm.202308-1438OC

Centre for Health Economic and Decision Science

1. **Fraser HL**, Feldhaus I, Edoka I, Wade AN, **Kohli-Lynch C**, **Hofman K**, Verguet S. Extended cost-effectiveness analysis of interventions to improve uptake of diabetes services in South Africa. *Health Policy and Planning*. 2024 Jan 22. DOI: 10.1093/heapol/czae001

Child and Adolescent Lung Health

1. **Wedderburn CJ**, **Bondar J**, **Lake MT**, **Nhapi R**, Barnett W, Nicol MP, **Goddard L**, **Zar HJ**. Risk and rates of hospitalisation in young children: A prospective study of a South African birth cohort. *PLOS Global Public Health*. 2024 Jan 17;4(1):e0002754. DOI: 10.1371/journal.pgph.0002754

Developmental Pathways for Health

1. Ahmad A, Lim LL, Morieri ML, Tam CH-t, Cheng F, **Chikowore T**, Dudenhoffer-Pfeifer M, Fitipaldi H, Huang C, Kanbour S, Sarkar S, Koivula RW, Motala AA, Tye SC, Yu G, Zhang Y, Provenzano M, Sherifali D, de Souza RJ, Tobias DK, ADA/EASD PMDI, Gomez MF, Ma RCW, Mathioudakis N. Precision prognostics for cardiovascular disease in Type 2 diabetes: A systematic review and meta-analysis. *Communications Medicine*. 2024 Jan 22;4(1):11. DOI: 10.1038/s43856-023-00429-z
2. Desai R, **Magan A**, Ruiter RAC, Reddy PS, Mercken LAG. Understanding why youth drop out of school in South Africa. *SAGE Open*. 2024 Jan 10. DOI: 10.1177/21582440231219080
3. **Kim AW**. Psychosocial stress, adult suicidal ideation, and the mediating effect of poor sleep quality during the COVID-19 pandemic in South Africa. *American Journal of Human Biology*. 2024 Jan 4. DOI: 10.1002/ajhb.24038
4. Middelkoop K, **Micklesfield LK**, Walker N, Stewart J, Delpont C, Jolliffe DA, **Mendham AE**, Coussens AK, van Graan A, Nuttall J, Tang JCY, Fraser WD, Cooper C, Harvey NC, Hooper RL, Wilkinson RJ, Bekker LG, Martineau AR. Influence of vitamin D supplementation on bone mineral content, bone turnover markers and fracture risk in South African schoolchildren: Multicentre double-blind randomised placebo-controlled trial (ViDiKids). *Journal of Bone and Mineral Research*. 2024 Jan 10. DOI: 10.1093/jbmr/zjae007
5. Neville RD, Hopkins WG, McArthur BA, **Draper CE**, Madigan S. Associations between changes in 24-hour movement behaviors in children and adolescents during the COVID-19 pandemic: A systematic review and mediation-based meta-analysis. *Journal of Physical Activity & Health*. 2024 Jan 8. DOI: 10.1123/jpah.2023-0346
6. **Norris SA**, **Nyati LH**, Murphy-Alford A, Lucas N, Santos IS, Costa CS, Kuriyan R, Wickranasinghe VP, Ariff S, Jayasinghe S, Kurpad AV, Ismail LC, Hills AP; Multi-center Infant Body Composition Reference Study (MIBCRS). Infant growth and body composition from birth to 24 months: Are infants developing the same? *European Journal of Clinical Nutrition*. 2024 Jan 3. DOI: 10.1038/s41430-023-01386-5
7. **Norris SA**, Zarowsky C, Murphy K, **Ware LJ**, Lombard C, Matjila M, Chivese T, Muhwava LS, Mutabazi JC, Harbron J, Fairall LR, Lambert E, Levitt N. Integrated health system intervention aimed at reducing type 2 diabetes risk in women after gestational diabetes in South Africa (IINDIAGO): A randomised controlled trial protocol. *BMJ Open*. 2024 Jan 9;14(1):e073316. DOI: 10.1136/bmjopen-2023-073316

8. Ntinga X, Musiello F, Pita T, Mabaso N, Celum C, Szpiro A, **van Rooyen H**, Barnabas R, **van Heerden A**. People living with HIV's perspectives of acceptability of fee for home delivery of ART: A qualitative study. *BMC Health Services Research*. 2024 Jan 17;24(1):88. DOI: 10.1186/s12913-023-10533-4
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4. RESEARCH CENTRES

Soweto Matlosana SAMRC Collaborating Centre for HIV/AIDS and TB

1. Cohen C, Kleynhans J, Moyes J, McMorro ML, Treurnicht FK, Hellferscee O, Wolter N, **Martinson NA**, Kahn K, **Lebina L**, **Mothlaoleng K**, Wafawanaka F, Gómez-Olivé FX, Mkhencele T, Mathunjwa A, Carrim M, Mathee A, Piketh S, Language B, von Gottberg A, Tempia S. Incidence and transmission of respiratory syncytial virus in urban and rural South Africa, 2017-2018. *Nature Communications*. 2024 Jan 2;15(1):116. DOI: 10.1038/s41467-023-44275-y

5. RESEARCH UNITS WITH NO PUBLICATIONS

Intramural

- Office of AIDS and TB Research
- Office of Malaria Research
- Office of Tuberculosis Research
- Primate

Extramural

- Antimicrobial Resistance and Global Health Research
- Common Epithelial Cancer
- Gynaecological Cancer
- Health Services to Systems
- Herbal Drugs
- Masculinity and Health Research
- Microbial Water Quality Monitoring
- Pan African Centre for Epidemics Research
- Precision and Genomic Medicine
- Precision Oncology
- Stem Cell Research and Therapy
- Vaccine and Infectious Diseases Analytics
- Wound and Keloid Scarring Translational

Research Centre

- Advancing Care and Treatment (ACT) For TB/HIV
- Centre for Basic and Translational Human TB Research
- Centre for Digital Health Innovation
- Centre for Multi-Disciplinary Research on Malaria
- Centre for Optimising Antimalarial Therapy in South Africa
- Centre for Sustainable Malaria Control
- Centre for Tuberculosis Biomarker-Targeted Intervention
- Clinical and Community HIV-Tuberculosis Research
- TB Free through Research and Innovation
- Tuberculosis Collaborating Centre for Child Health (TB-CHILD)
- Tygerberg SAMRC Collaborating centre for HIV Laboratory Research
- Wits Clinical HIV/TB Research Unit, WITS Health Consortium
- Wits RHI Collaborating Centre for HIV/AIDS

6. GRANTS AWARDED

SAMRC LIST OF NEW CONTRACTS FOR JANUARY 2024					
SAMRC Unit	Funder	Main Funder	Project Title/Description	Contract Value	
				Rand	Foreign Currency
EHRU	European Health & Digital Executive Agency (Hadea)	European Health & Digital Executive Agency (Hadea)	Agreement Nr 101136652 - Planet4Health.	R6,940,435.00	€343 625.00
	University of Leicester	University of Leicester	Environmental health in sub-Saharan Africa: Leveraging local and global air pollution data for epidemiological research.	R236,878.00	£10 000.00
HIDRU	Family Health International	Family Health International	HPTN 084 Per Participant Reimbursement Grant Nr PO23001456, Modification Nr.02.	R14,849,560.00	\$795 204.00
HSRU	University of Connecticut	National Institute of Health	Intervention to improve HIV Care retention and antiretroviral adherence in stigmatized environments. Subaward Nr 382473-5 Amendment 5.	R1,750,454.00	\$93 738.00
MASTRU	National Research Foundation	National Research Foundation	KIC 230831146901 - C Egbe.	R49,600.00	-

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