

Cochrane South Africa Outputs

1 April 2018 – 31 March 2019

HIGHLIGHTS

Cochrane South Africa (SA) hosted the 3rd African Cochrane Indaba in Cape Town on 25-26 March 2019. The theme of the conference was ‘trusted evidence for better health decisions in Africa’. It was attended by 109 delegates from 17 countries of which 12 were African countries. The programme consisted of 4 plenaries, 51 poster presentations, seven workshops and one panel discussion. Feedback received thus far indicate that the conference was a success.

Cochrane SA staff published 54 published journal articles during the financial year.

Cochrane SA staff facilitated a number of capacity development initiatives. These included a workshop on Evidence-based health care and Cochrane at the National Health Institute (INS) in Maputo, Mozambique; lectures to medical students at Stellenbosch University and the University of Cape Town; nine systematic review methods webinars, each session attended by 40-100 participants from all over Africa; and three workshops on evidence-based health care and Cochrane for journalists, researchers and International Educational Exchange (CIEE) students.

Cochrane SA staff contributed in various for a to science and policy at international (through membership of communities such as the WHO International Clinical Trials Registry Platform Advisory Group; WHO Immunization and Vaccine-related Implementation Research Advisory Committee; WHO Strategic Advisory Group of Experts on Immunisation (SAGE); WHO SAGE Working Group on Ebola Vaccines and Vaccination) and national levels (e.g. National Essential Medicines List Committee; HIV Adult Advisory Committee of the Western Cape; National Advisory Group on Immunisation)

Twenty-six post graduate students received supervision from Cochrane SA staff. Two of these students who were supported by Cochrane SA received the International Society for Vaccines (ISV) Congress 2018 Low and Middle Income Countries Award in Atlanta, USA.

The Pan African Clinical Trials Registry (PACTR) www.pactr.org, a regional register of clinical trials conducted in Africa, which is hosted at Cochrane SA was redeveloped to provide a more user-friendly, easy to navigate website for researchers, policy-makers, funders and the public.

The South African Guidelines Excellence project (SAGE), a SAMRC Flagship Award funded project presented its final results at a public session in April 2018. The aim of this project was to consolidate methods and training for better clinical practice guidelines development, implementation and use in South Africa. For more information about the project and a copy of the final report go to <http://www.samrc.ac.za/intramural-research-units/Cochrane-SAGE>.

Two Cochrane SA staff members, Charles Wiysonge were awarded a B2 rating and Sara Cooper a C1 rating from the National Research Foundation effective January 2019.

JOURNAL ARTICLES

1. Mashunye TR, Ndwanwe DE, Dube KR, Shey M, Shelton M, Wiysonge CS. Protocol for a systematic review and meta-analysis of fractional dose compared with standard dose inactivated polio vaccination in children. *BMJ Open* 2019 Mar 9;9(3):e023308. doi: 10.1136/bmjopen-2018-023308
2. Sambala EZ, Cooper S, Manderson L. Ubuntu as a Framework for Ethical Decision Making in Africa: Responding to Epidemics. *Ethics & Behavior* 2019 Mar 17. DOI: 10.1080/10508422.2019.1583565
3. GBD 2016 Neurology Collaborators (including Wiysonge CS, Adamu A). Global, regional, and national burden of neurological disorders, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet Neurol* 2019 Mar 14. pii: S1474-4422(18)30499-X. doi: 10.1016/S1474-4422(18)30499-X. [Epub ahead of print]
4. Adamu AA, Sarki AM, Uthman OA, Wiyeh AB, Gadanya MA, Wiysonge CS. Prevalence and dynamics of missed opportunities for vaccination among children in Africa: applying systems thinking in a systematic review and meta-analysis of observational studies. *Expert Rev Vaccines* 2019 Mar 1:1-12. doi:10.1080/14760584.2019.1588728. [Epub ahead of print]
5. Adamu A, Uthman OA, Sambala EZ, Ndwanwe D, Wiyeh AB, Olukade T, Bishwajit G, Yaya S, Okwo-Bele JM, Wiysonge CS. Rural-urban disparities in missed opportunities for vaccination in sub-Saharan Africa: a multi-country decomposition analyses. *Hum Vaccin Immunother* 2019 Feb 19. doi:10.1080/21645515.2019.1575163. [Epub ahead of print]
6. Cooper S, Schmidt BM, Sambala EZ, Swartz A, Colvin CJ, Leon N, Betsch C, Wiysonge CS. Factors that influence parents' and informal caregivers' acceptance of routine childhood vaccination: a qualitative evidence synthesis. *Cochrane Database of Systematic Reviews* 2019, Issue 2. Art. No.: CD013265. DOI: 10.1002/14651858.CD013265
7. Cooper S, Okeibunor JC, Wiyeh A, Wiysonge CS. Knowledge advances and gaps on the demand side of vaccination. *Lancet Infect Dis* 2019 Jan;19(1):13-15. doi:10.1016/S1473-3099(18)30733-3
8. Sambala EZ, Ndwanwe DE, Imaan LM, Wiysonge CS. Evaluation of influenza surveillance systems in sub-Saharan Africa: a systematic review protocol. *BMJ Open* 2019 Jan 28;9(1):e023335. doi: 10.1136/bmjopen-2018-023335
9. Schmidt BM, Durão S, Toews I, Bavuma CM, Meerpohl JJ, Kredt T. Screening strategies for hypertension: a systematic review protocol. *BMJ Open* 2019 Jan 15;9(1):e025043. doi: 10.1136/bmjopen-2018-025043
10. Iwu CJ, Jaca A, Abdullahi LH, Ngcobo NJ, Wiysonge CS. Protocol for a systematic review of the effects of interventions for vaccine stock management. *Syst Rev* 2019 Jan 8;8(1):14. doi: 10.1186/s13643-018-0922-3
11. Haddison EC, Machingaidze S, Wiysonge CS, Hussey GD, Kagina BM. An update on trends in the types and quality of childhood immunization research outputs from Africa 2011-2017: Mapping the evidence base. *Vaccine: X* 1 (2019) 100001
12. GBD 2016 Meningitis Collaborators (including Adamu A, Wiyeh AB, Wiysonge CS). Global, regional, and national burden of meningitis, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *The Lancet Neurology* 2018 Dec 1;17(12):1061-1082. doi:10.1016/s1474-4422(18)30387-9
13. Ngcobo NJ, Burnett RJ, Cooper S, Wiysonge CS. Human papillomavirus vaccination acceptance and hesitancy in South Africa: Research and policy agenda. *South African Medical Journal* 2018 Dec 13;109(1):13-15. doi: 10.7196/SAMJ.2018.v109i1.13723
14. Schmidt B-M, Colvin CJ, Hohlfeld A, Leon N. Defining and conceptualising data harmonisation: a scoping review protocol. *Systematic Reviews* 2018, 7:226. doi.org/10.1186/s13643-018-0890-7
15. GBD 2017 Influenza Collaborators (including Sambala EZ, Wiysonge CS). Mortality, morbidity, and hospitalisations due to influenza lower respiratory tract infections, 2017: an analysis for the Global Burden of Disease Study 2017. *Lancet Respiratory Medicine* 2018 Dec 12. pii: S2213-2600(18)30496-X. doi: 10.1016/S2213-2600(18)30496-X. [Epub ahead of print]

16. Kredo T, Cooper S, Abrams A, Muller J, Volmink J, Atkins S. Using the behavior change wheel to identify barriers to and potential solutions for primary care clinical guideline use in four provinces in South Africa. *BMC Health Services Research* 2018 Dec 14;18(1):965. doi: 10.1186/s12913-018-3778-2
17. Young T, Shearer JC, Naude C, Kredo T, Wiysonge CS, Garner P. Researcher and policymaker dialogue: the Policy BUDDIES Project in Western Cape Province, South Africa. *BMJ Global Health* 2018;3:e001130. <https://gh.bmj.com/content/3/6/e001130>
18. GBD 2017 DALYs and HALE Collaborators (including Adamu A, Adetokunboh OO, Wiyeh AB, Wiysonge CS). Global, regional, and national disability-adjusted life-years (DALYs) for 359 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet* 2018 Nov 10;392(10159):1859-1922
19. Kredo T, Wiseman R, Gray A, Parrish A, Miot J, Cohen K, Jamaloodien K, Blockman M. How good are our guidelines? Four years of experience with the SAMJ's AGREE II review of submitted clinical practice guidelines. *South African Medical Journal* 2018;108(11):883-885
20. GBD 2017 SDG Collaborators (including Adamu A, Adetokunboh OO, Sambala EZ, Wiyeh AB, Wiysonge CS). Measuring progress from 1990 to 2017 and projecting attainment to 2030 of the health-related Sustainable Development Goals for 195 countries and territories: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet* 2018 Nov 10;392(10159):2091-2138
21. GBD 2017 Population and Fertility Collaborators (including Adamu A, Adetokunboh OO, Sambala EZ, Wiysonge CS). Population and fertility by age and sex for 195 countries and territories, 1950-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet* 2018 Nov 10;392(10159):1995-2051
22. GBD 2017 Risk Factor Collaborators (including Adamu A, Adetokunboh OO, Wiyeh AB, Wiysonge CS). Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet* 2018 Nov 10;392(10159):1923-1994
23. GBD 2017 Causes of Death Collaborators (including Adamu A, Adetokunboh OO, Sambala EZ, Wiysonge CS). Global, regional, and national age-sex-specific mortality for 282 causes of death in 195 countries and territories, 1980-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet* 2018 Nov 10;392(10159):1736-1788
24. GBD 2017 Mortality Collaborators (including Adetokunboh OO, Sambala EZ, Wiysonge CS). Global, regional, and national age-sex-specific mortality and life expectancy, 1950-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet* 2018 Nov 10;392(10159):1684-1735
25. Sambala EZ, Kanyenda T, Iwu CJ, Iwu CD, Jaca A, Wiysonge CS. Pandemic influenza preparedness in the WHO African region: are we ready yet?. *BMC Infectious Diseases* 2018 Nov 14;18(1):567. doi: 10.1186/s12879-018-3466-1
26. Wiyeh AB, Cooper S, Nnaji CA, Wiysonge CS. Vaccine hesitancy 'outbreaks': using epidemiological modelling of the spread of ideas to understand the effects of vaccine related events on vaccine hesitancy. *Expert Review of Vaccines* 2018 Nov 19. doi: 10.1080/14760584.2018.1549994. [Epub ahead of print]
27. Schmidt BM, Durao S, Toews I, Bavuma CM, Meerpohl JJ, Kredo T. Screening strategies for hypertension. *Cochrane Database of Systematic Reviews* 2018, Issue 11. Art. No.: CD013212. DOI: 10.1002/14651858.CD013212
28. Sambala EZ, Mdolo A, Banda R, Wiyeh AB, Wiysonge CS. Burden of seasonal influenza in sub-Saharan Africa: a systematic review protocol. *BMJ Open* 2018;8:e022949. doi: 10.1136/bmjopen-2018-022949
29. GBD 2017 Disease and Injury Incidence and Prevalence Collaborators (including Adamu A, Adetokunboh OO, Wiyeh AB, Wiysonge CS). Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet* 2018 Nov 10;392(10159):1789-1858

30. Bajunirwe F, Maling S, Adami HO, Ajayi IO, Volmink J, Adebamowo C, Laurence C, Reid T, Nankya-Mutyoba J, Chiwanga FS, Dalal S, Njelekela M, Guwatudde D, Holmes MD. Burden of depressive symptoms and non-alcohol substance abuse; and their association with alcohol use and partner violence: a cross-sectional study in four sub-Saharan Africa countries. *Glob Ment Health (Camb)*. 2018 Oct 2;5:e31. doi: 10.1017/gmh.2018.22
31. Hohlfeld ASJ, Harty M, Engel ME. Parents of children with disabilities: A systematic review of parenting interventions and self-efficacy. *African Journal of Disability* 2018 7(0): a437. doi:10.4101/ajod.v7i0.437
32. Adetokunboh OO, Uthman OA, Wiysonge CS. Non-specific effects of childhood vaccines on acute childhood morbidity among HIV-exposed children in sub-Saharan Africa: a multilevel analysis. *Hum Vaccin Immunother* 2018 Sep 5. doi:10.1080/21645515.2018.1516490
33. Adetokunboh OO, Uthman OA, Wiysonge CS. Morbidity benefit conferred by childhood immunization in relation to maternal HIV status: a meta-analysis of demographic and health surveys. *Hum Vaccin Immunother* 2018 Sep 5. doi:10.1080/21645515.2018.1515453
34. Grimmer K, Louw Q, Dizon JM, van Niekerk SM, Ernstzen D, Wiysonge CS. Standardising evidence strength grading for recommendations from multiple clinical practice guidelines: a South African case study. *Implement Sci* 2018 Aug 29;13(1):117. doi: 10.1186/s13012-018-0803-0
35. Cooper S, Leon N, Namadingo H, Bobrow K, Farmer AJ. "My wife's mistrust. That's the saddest part of being a diabetic": A qualitative study of sexual well-being in men with Type 2 diabetes in sub-Saharan Africa. *PLoS One* 2018 Sep 10;13(9):e0202413. doi: 10.1371/journal.pone.0202413
36. Mome RK, Wiyeh AB, Kongnyuy EJ, Wiysonge CS. Effectiveness of female condom in preventing HIV and sexually transmitted infections: a systematic review protocol. *BMJ Open* 2018 Aug 5;8(8):e023055. doi: 10.1136/bmjopen-2018-023055
37. Adetokunboh OO, Uthman OA, Wiysonge CS. Non-uptake of childhood vaccination among the children of HIV-infected mothers in sub-Saharan Africa: A multilevel analysis. *Hum Vaccin Immunother* 2018 Jul 23. doi: 10.1080/21645515.2018.1502524. [Epub ahead of print]
38. Uthman OA, Sambala E, Adamu AA, Ndwandwe D, Wiyeh AB, Olukade T, Bishwajit G, Yaya S, Okwo-Bele JM, Wiysonge CS. Does it really matter where you live? A multilevel analysis of factors associated with missed opportunities for vaccination in sub-Saharan Africa. *Human Vaccin Immunother* 2018 Jul 30. doi:
39. Naude C, Visser M, Nguyen K, Durao S, Schoonees A Effects of total fat intake on bodyweight in children. *Cochrane Database of Systematic Reviews* 2018, Issue 7. Art. No.: CD012960. DOI: 10.1002/14651858.CD012960.pub2
40. Haraus EP, Garcia-Prats AJ, Law S, Schaaf HS, Kredo T, Seddon JA, et al. Treatment and outcomes in children with multidrug-resistant tuberculosis: A systematic review and individual patient data meta-analysis. *Plos Med* 2018 Jul 11;15(7):e1002591
41. Kredo T, Cooper S, Abrams A, Daniels K, Volmink J, Atkins S. National stakeholders' perceptions of the processes that inform the development of national clinical practice guidelines for primary healthcare in South Africa. *Health Res Policy Syst* 2018 Jul 31;16(1):68. doi: 10.1186/s12961-018-0348-3
42. Albarqouni L, Hoffmann T, Straus S, Rydland Olsen N, Young T, Ilic D, Shaneyfelt T, Haynes B, Guyatt G, Glasziou P. Core Competencies in Evidence-Based Practice for Health Professionals. Consensus Statement Based on a Systematic Review and Delphi Survey. *JAMA Network Open* 2018;1(2):e180281
43. GBD 2016 Healthcare Access and Quality Collaborators (including Wiysonge CS). Measuring performance on the Healthcare Access and Quality Index for 195 countries and territories and selected subnational locations: a systematic analysis from the Global Burden of Disease Study 2016. *Lancet* 2018 May 23. doi: 10.1016/S0140-6736(18)30994-2
44. Wiyeh A, Sambala EZ, Ngcobo N, Wiysonge CS. Existence and Functionality of National Immunisation Technical Advisory Groups in Africa from 2010 to 2016. *Hum Vaccin Immunother* 2018 May 17:1-15. doi: 10.1080/21645515.2018.1475815

45. Adamu AA, Adamu AL, Dahiru AI, Uthman OA, Wiysonge CS. Mainstreaming implementation science into immunization systems in the decade of vaccines: a programmatic imperative for the African Region. *Hum Vaccin Immunother* 2018 May 17;1-11. doi: 10.1080/21645515.2018.1473682
46. Adetokunboh OO, Uthman OA, Wiysonge CS. Effect of maternal HIV status on vaccination coverage among sub-Saharan African children: A socio-ecological analysis. *Hum Vaccin Immunother* 2018 May 2:1-9. doi:10.1080/21645515.2018.1467204
47. Jaca A, Mathebula L, Iweze A, Pienaar E, Wiysonge CS. A systematic review of strategies for reducing missed opportunities for vaccination. *Vaccine* 2018 May 17;36(21):2921-2927. doi: 10.1016/j.vaccine.2018.04.028
48. Dlamini SK, Madhi SA, Muloiwa R, von Gottberg A, Moosa MS, Meiring ST, Wiysonge CS, Hefer E, Mulaudzi MB, Nuttall J, Moorhouse M, Kagina BM. Guidelines for the vaccination of HIV-infected adolescents and adults in South Africa. *South African Journal of HIV Medicine* 2018;19(1):a839
49. Cooper S, Betsch C, Sambala EZ, Mchiza N, Wiysonge CS. Vaccine hesitancy – a potential threat to the achievements of vaccination programmes in Africa. *Human Vaccines & Immunotherapeutics* 2018 Apr 4:0. doi: 10.1080/21645515.2018.1460987. [Epub ahead of print]
50. Odendaal WA, Ward K, Uneke J, Uro-Chukwu H, Chitama D, Balakrishna Y, Kredo T. Contracting out to improve the use of clinical health services and health outcomes in low- and middle-income countries. *Cochrane Database of Systematic Reviews* 2018, Issue 4. Art. No.: CD008133. DOI: 10.1002/14651858.CD008133.pub2
51. Sambala EZ, Uthman OA, Adamu AA, Ndwandwe D, Wiyeh AB, Olukade T, Bishwajit G, Yaya S, Okwo-Bele JM, Wiysonge CS. Mind the Gap: What explains the education-related inequality in missed opportunities for vaccination in sub-Saharan Africa? Compositional and structural characteristics. *Hum Vaccin Immunother*. 2018 Apr 9:1-8. doi: 10.1080/21645515.2018.1460985. [Epub ahead of print]
52. Ndwandwe D, Uthman OA, Adamu AA, Sambala EZ, Wiyeh AB, Olukade T, Bishwajit G, Yaya S, Okwo-Bele JM, Wiysonge CS. Decomposing the gap in missed opportunities for vaccination between poor and non-poor in sub-Saharan Africa: A Multicountry Analyses. *Hum Vaccin Immunother* 2018 Apr 24:1-7. doi:10.1080/21645515.2018.1467685
53. Obiero J, Rulisa S, Ogongo P, Wiysonge CS. Nifuratel-Nystatin combination for the treatment of mixed infections of bacterial vaginosis, vulvovaginal candidiasis, and trichomonal vaginitis. *Cochrane Database of Systematic Reviews* 2018, Issue 4. Art. No.: CD013012. DOI: 10.1002/14651858.CD013012
54. Mbuagbaw L, Ongolo Zogo P, Kredo T, Durao S, Young T, Effa E, Meremikwu M, Hohlfeld A, Wiysonge CS. *Cochrane Africa: a network of evidence-informed health-care decision making across sub-saharan Africa*. *Pan African Medical Journal* 2018;29:196. doi:10.11604/pamj.2018.29.196.14521

BOOK CHAPTERS

1. Goodyear-Smith F, Mash R (eds) (October 12, 2018) *How to do primary care research*. First Edition CRC Press, Taylor & Francis Group, Boca Raton, FL, USA. Young T (contributor). ISBN 9781138499584 - CAT# K374980

PUBLICATIONS (TECHNICAL AND OTHER)

Reports

1. **Kredo T**, Young T, Louw Q. South African Guidelines Excellence Project (SAGE) Technical Report. April 2018. <http://www.samrc.ac.za/sites/default/files/attachments/2018-04-17/SAGEfinalReport.pdf>
2. **Kredo T**, van Rensburg R, Pillay-Fuentes Lorente V, McCaul M. Technical report appraisal on the article by Berman S, Garnier P. Serum androgen levels and their relation to performance in track and field: mass spectrometry results from 2127 observations in male and female elite athletes *Br J Sports Med* 2017;51:1309-1314. June 2018

CONFERENCES

International

Oral Presentation

1. **Kredo T.** *Mapping needs of guideline implementers for South African primary care.* African Cochrane Indaba 2019. Cape Town. 25-26 March 2019
2. Nnaji C, Shey M, Adetokunboh O, **Wiysonge CS.** *Immunogenicity and safety of fractional dose yellow fever vaccination: A systematic review and meta-analysis.* Research in Progress 2018 Conference. Royal Society of Tropical Medicine and Hygiene. London, UK. 5 December 2018
3. Adetokunboh OO, Uthman OA, **Wiysonge CS.** *Morbidity benefit conferred by childhood immunisation in relation to maternal HIV status.* 2018 International Society for Vaccines Annual Congress. Atlanta, United States. 28 -30 October 2018
4. Nnaji C, Shey M, Adetokunboh O, **Wiysonge CS.** *Effects of fractional dose yellow fever vaccination: a systematic review and meta-analysis.* 2018 International Society for Vaccines Annual Congress. Atlanta, USA. 28-30 October 2018
5. **Ndwandwe D, Pienaar E, Mathebula L, Kredo T.** *Clinical trial registration: global, regional and national perspectives.* Pan African Clinical Trial Alliance (PACTA) meeting, Midrand, Johannesburg. 19-20 March 2019
6. Nnaji C. *Mapping the vaccine and immunization evidence ecosystem: a Nigerian case study.* Evidence 2018. Pretoria, South Africa. 25-28 September 2018
7. **Wiysonge CS.** *Vaccine hesitancy in South Africa: why we need to adapt validated measures.* Global Challenges in Vaccine Acceptance Science and Programs, Veyrier-du-Lac, France. 24-26 September 2018
8. **Hohlfeld A,** Effa E, Schoonees A, Oduwole O, Karumbi J, **Durao S,** Vouking M, Ongolo-Zogo P, Mbuagbaw L, **Wiysonge CS,** Meremikwu M, Young T, **Kredo T.** *Identifying high priority review questions for Africa: Cochrane Africa's scoping process.* 25th Cochrane Colloquium, Edinburgh, Scotland. 16-18 September 2018
9. Tamandjou C, Mufenda J, Landuleni W, Nel E, Diergaardt D, **Wiysonge CS,** Preiser W, Andersson M. *Mother-to-child transmission of hepatitis B virus in Windhoek, Namibia: transmission dynamics and prevention.* 1st Conference on Liver Disease in Africa 2018, Nairobi, Kenya. 13-15 September 2018
10. **Jaca A, Mathebula L,** Iweze A, **Pienaar E, Wiysonge CS.** *A systematic review of strategies for reducing missed opportunities for vaccination.* International One Health Congress, Saskatoon, Canada. 22-25 June 2018

Poster

1. van Pinxteren M, **Cooper S,** Colvin C. *Using 'formal' and 'informal' information in policy implementation: the case of Adolescent and Youth Friendly Health Services in Cape Town, South Africa.* 3rd African Cochrane Indaba 2019. Cape Town. 25-26 March 2019
2. **Schmidt BM,** Colvin CJ, **Hohlfeld A,** Leon N. *Defining and conceptualizing data harmonization: a scoping review.* 3rd African Cochrane Indaba 2019. Cape Town. 25-26 March 2019
3. **Ndwandwe D, Pienaar E, Mathebula L,** Reddy T, Abrams A, Lutje V, **Kredo T.** *Descriptive analysis of the first 1000 trials in Pan African Clinical Trial Registry (PACTR).* 25th Cochrane Colloquium, Edinburgh, Scotland. 16-18 September 2018
4. **Hohlfeld A, Mathebula L, Pienaar E,** Abrams A, Lutje V, **Ndwandwe D, Kredo T.** *Mapping Tuberculosis treatment intervention trials in Africa.* 25th Cochrane Colloquium, Edinburgh, Scotland. 16-18 September 2018
5. Visser M, **Kredo T, Durao S,** Saldanha I. *Assessing the completeness and comparability of outcomes in systematic reviews addressing food availability.* 25th Cochrane Colloquium, Edinburgh, Scotland. 16-18 September 2018

6. McCaul M, Erntszén D, Temmingh H, Draper B, **Galloway M, Kredo T**. *Adaptive clinical practice guideline development methods in resource-constrained settings – four case studies from South Africa*. Guidelines International Network Conference. Manchester, UK. 11-14 September 2018
7. Ongolo-Zogo C, Youta A, **Kredo T**. *Clinical Practice Guidelines for Priority Communicable diseases in Francophone Countries of Sub-Saharan Africa*. Guidelines International Network Conference. Manchester, UK. 11-14 September 2018
8. **Kredo T, Cooper S**, Muller J, Mokganyetji T, Abrams A, Daniels K, Volmink J, Atkins S. *Using the Theoretical Domains Framework to explore barriers to and facilitators of South African primary care clinical guideline implementation: perspectives of primary care clinicians*. Guidelines International Network Conference. Manchester, UK. 11-14 September 2018
9. **Kredo T**, McCaul M, Siegfried N. *Simulation for teaching GRADE in guidelines development in sub-Saharan Africa*. Guidelines International Network Conference. Manchester, UK. 11-14 September 2018

Workshop Facilitator

1. Jessani N, **Schmidt BM**. *Stakeholder analysis and engagement: from theory to practice*. African Cochrane Indaba 2019, Cape Town. 25-26 March 2019
2. **Kredo T**. *Introduction to evidence informed decision-making*. Evidence 2018, Pretoria, South Africa. 25-28 September 2018

Local

Oral Presentation

1. **Ndwandwe D, Mathebula L**. *South African Clinical Trials Registry*. Novel Clinical Trial Methodologies Workshop, Lagoon Beach Hotel, Cape Town. 25 February 2019
2. **Iwu CJ, Jaca A, Wiysonge CS**. *A systematic review of the effectiveness of e-health interventions in improving vaccine availability in primary health care facilities*. Western Cape Provincial Department of Health Research Day. Stellenbosch University, Cape Town. 16 November 2018
3. Sicwebu N, Leon N, **Cooper S**, Bobrow K, Levitt N, Farmer A. *Participant experiences and perceptions of a mHealth intervention for diabetes adherence in Cape Town*. Western Cape Provincial Department of Health Research Day, Stellenbosch University, Cape Town. 16 November 2018
4. **Wiysonge CS**. *Global Vaccine Policy Advisory Framework – who and what is involved?* School of Public Health and Family Medicine Noon Meeting Seminar. University of Cape Town, Cape Town. 4 October 2018
5. **Ndwandwe D**. *Integrating clinical trial information for South Africa, South African Clinical Trials Registry (SANCTR), Pan African Clinical Trials Registry (PACTR) and National Health Research Observatory*. South African Clinical Research Conference, Midrand, Johannesburg. 28 September 2018
6. **Pienaar E**. *South African National Clinical Trials Registry*. National Health Research Summit, Johannesburg. 13-14 September 2018
7. Oduwole E, Mahomed H, **Wiysonge CS**. *Adaptation and validation of the vaccine hesitancy scale in South Africa*. Annual Academic Day, Faculty of Medicine and Health Sciences, Stellenbosch University, Cape Town. 29 August 2018
8. Tamandjou C, Jacobs G, **Wiysonge CS**, Preiser W, Andersson M. *Mother-to-child transmission of hepatitis B virus in Windhoek, Namibia: transmission dynamics and prevention*. Annual Academic Day, Faculty of Medicine and Health Sciences, Stellenbosch University, Cape Town. 29 August 2018
9. **Kredo T**. *Guidelines in context*. South African Rheumatism Arthritis Association Clinical Practice Guidelines 2018, Crystal Towers, Cape Town. 3 August 2018

10. **Wiysonge CS.** *Immunisation implementation research at Cochrane South Africa.* ASSAf-UNAS Symposium on "Root Causes of Low Coverage and Under-Immunisation in sub-Saharan Africa", Johannesburg. 30 July 2018
11. **Wiysonge CS.** *Global vaccine policy framework.* The Biovac Institute, Pinelands. 18 July 2018
12. **Durao S.** *Cochrane South Africa's work.* The local health policy and systems research evidence synthesis landscape: meet, learn, and plan workshop, South African Medical Research Council, Cape Town. 15 June 2018

Poster

1. Nnaji CA, Shey MS, Adetokunboh OO, **Wiysonge CS.** *Effects of fractional dose yellow fever vaccination: a systematic review and meta-analysis.* University of Cape Town School of Public Health and Family Medicine Sixth Annual Research Day, Cape Town, South Africa. 20 September 2018.
2. **Ndwandwe D, Pienaar E, Mathebula L,** Reddy T, Abrams A, Lutje V, **Kredo T.** *Descriptive analysis of the first 1000 trials in Pan African Clinical Trial Registry (PACTR).* 3rd African Cochrane Indaba, Cape Town, South Africa. 25-26 March 2019
3. Adetokunboh O, Awotiwon A, **Ndwandwe D,** Uthman O, **Wiysonge CS.** *The burden of vaccine-preventable diseases among HIV-infected and HIV-exposed children in sub-Saharan Africa.* 3rd African Cochrane Indaba, Cape Town, South Africa. 25-26 March 2019

Workshops

1. **Wiysonge CS.** Enhancing access to vaccines and sustaining immunisation programmes in Africa – the role of Gavi, The Vaccine Alliance. 14th Annual African Vaccinology Course. University of Cape Town, Cape Town. 12 November 2018.
2. **Wiysonge CS.** *Global policy recommendations on immunisation – the role of SAGE and RITAGs.* 14th Annual African Vaccinology Course. University of Cape Town, Cape Town. 12 November 2018
3. Thutloa A, **Kredo T.** *Science communication and knowledge translation master class.* Early Career Scientist Conference, South African Medical Research Council. 17 October 2018
4. **Kredo T.** *Presentation skills master class.* Early Career Scientist Conference, South African Medical Research Council. 17 October 2018

TEACHING AND TRAINING

GRADUATED STUDENTS

No.	Student Name and Surname	Gender	Race	Degree	Institution
1	Chukwudi Nnaji	Male	Non-South African	Masters	University of Cape Town
2	Arthemnon Nguweneza	Male	Non-South African (Permanent resident)	Masters	Stellenbosch University

SUPERVISION OF STUDENTS

No.	Student Name and Surname	Gender	Race	Degree	Institution
1	Lelia Abdullahi	Female	Non-South African (Permanent resident)	PhD	University of Cape Town

No.	Student Name and Surname	Gender	Race	Degree	Institution
2	Charles Okwundu	Male	Non-South African (Permanent resident)	PhD	Stellenbosch University
3	Cynthia Tchuem	Female	Non-South African (Permanent resident)	PhD	Stellenbosch University
4	Myrna van Pinxteren	Female	White	PhD	University of Cape Town
5	Abdu Adamu	Male	Non-South African	PhD	Stellenbosch University
6	Chinwe Iwu	Female	Non-South African (Permanent resident)	PhD	Stellenbosch University
7	Olatunji Adetokunboh	Male	Non-South African (Permanent resident)	PhD	Stellenbosch University
8	Villyen Motaze	Male	Non-South African (Permanent resident)	PhD	Stellenbosch University
11	Elizabeth Oduwole	Female	African	PhD	Stellenbosch University
12	Meagan Jacobs	Female	Coloured	PhD	University of Cape Town
9	Anelisa Jaca	Female	African	Postdoc	SAMRC
10	Evanson Sambala	Male	Non-South African	Postdoc	SAMRC
13	Chukwudi Nnaji	Male	Non-South African	Masters	University of Cape Town
14	Thandiwe Mashunye	Female	African	Masters	University of Cape Town
15	Edison Mavundza	Male	African	Postdoc	SAMRC
16	Veranyuy Ngah	Female	Non-South African (Permanent resident)	Masters	Stellenbosch University
17	Monique Koopman	Female	Coloured	Masters	University of Cape Town
18	Caroline Deignan	Female	Non-South African	Masters	University of Cape Town
19	Stefan van der Walt	Male	White	MBChB VI	University of Cape Town
20	Wakithi Mabaso	Male	African	MBChB VI	University of Cape Town
21	Mwanja Chundu	Female	Non-South Africa	M.Med (Psych)	University of Cape Town
22	Tania Swartz	Female	White	M.Sc (Med)	University of Cape Town
23	Marsha Harker-van Heerden	Female	Coloured	Masters	University of the Western Cape
24	Verushka Z Daniels	Female	Coloured	PhD	University of the Western Cape
25	Seerane Beaula	Female	African	Masters	University of Limpopo
26	Helen Mearns	Female	White	Masters	University of Cape Town

No.	Student Name and Surname	Gender	Race	Degree	Institution
27	Arthemon Nguweneza	Male	Non-South African (Permanent resident)	Masters	Stellenbosch University

Lectures

1. Principles and practice of CPG implementation. Lecture to the Masters in Clinical Epidemiology (Clinical Practice Guidelines block), University of Stellenbosch, Tygerberg. 13 March 2019
2. Rationale, quality indicators and steps for Evidence based Clinical Practice Guidelines (CPGs). Lecture to the Masters in Clinical Epidemiology students (Clinical Practice Guidelines block), University of Stellenbosch, Tygerberg. 11 March 2019
3. Clinical practice guidelines. Lecture to the MPH students (EBM block), University of Cape Town, Cape Town. 2 October 2018
4. Qualitative data analysis. Lecture to MPH students (SBS Track), University of Cape Town. Cape Town. 26 September 2018
5. AMSTAR 2 tool. Lecture to MPH students (Evidence-based Healthcare module), University of Cape Town. Cape Town. 4 September 2018
6. Surveillance systems (Infectious Disease Epidemiology Module). Lecture to MClinEpi students at Stellenbosch University. Tygerberg. 20-24 August 2018
7. Assessing the risk of bias in included studies. Lecture to the MClinEpi students (SR module), Stellenbosch University. Tygerberg. 15 August 2018
8. How to critically appraise a paper. Lecture to MPH students (Evidence-based Healthcare module), University of Cape Town. Cape Town. 14 August 2018
9. Systematic reviews, what, why, how and when. Lecture to registrars at the Research Capacity Development Programme, Stellenbosch University. Tygerberg. 24 July 2018
10. Assessing the risk of bias in included studies. Lecture to MPH students (Evidence-based Healthcare module), University of Cape Town. Cape Town. 20 July 2018
11. Developing search methods for identifying relevant studies. Lecture to the MClinEpi students (SR module), Stellenbosch University. Tygerberg. 18 July 2018
12. Introduction to RevMan. Lecture to the MClinEpi students (SR module), Stellenbosch University. Tygerberg. 18 July 2018
13. Health in Context session: Searching the literature. Lecture to Stellenbosch University first year health sciences students. Tygerberg. 9, 16, 21 May 2018
14. Health in Context session: Introduction to evidence-informed practices. Lecture to Stellenbosch University first year Health Sciences students. Tygerberg. 23 April 2018
15. Health in Context session: Studies that summarizes other studies: systematic reviews, Health in Context module for Stellenbosch University 1st year undergraduate health sciences students. Tygerberg. 18 April 2018

Webinars

1. Developing a search strategy for systematic reviews. Cape Town. 29 March 2019
2. GRADE evidence to decision framework. Cape Town. 20 November 2018

3. Common errors in meta-analyses. Cape Town. 9 October 2018
4. Presenting results in complex reviews. South African Medical Research Council, Cape Town. 11 September 2018
5. Trial registration - what - why - who - how - where and when. South African Medical Research Council, Cape Town. 14 August 2018
6. Evidence mapping - why and how to do it. South African Medical Research Council, Cape Town. 10 July 2018
7. Using logic models to refine questions for systematic reviews. South African Medical Research Council, Cape Town. 12 June 2018
8. How to develop a protocol for systematic reviews. South African Medical Research Council, Cape Town. 22 May 2018
9. Identifying and refining questions for systematic reviews. South African Medical Research Council, Cape Town. 12 April 2018

Workshops

1. An introduction to evidence-informed healthcare decision making for clinical practitioners, public health specialists, policymakers and other decision-makers in health care. ELMA Project / National Department of Health workshop offered by the South African Global Evidence Synthesis Initiative Collaborating Centres. Saint George's Hotel and Conference Centre, Doornkloof, Pretoria. 6-7 March 2019
2. Introduction to evidence based health care and Cochrane. Lecture to Council on International Educational Exchange (CIEE) students. South African Medical Research Council, Cape Town. 17 January 2019
3. Evidence-based health care and Cochrane. Workshop at the National Health Institute, Maputo, Mozambique. 24 October 2018
4. Evidence-based health care and Cochrane. Workshop for Africa Check, Johannesburg. 16 October 2018
5. Evidence-based health care, systematic reviews and Cochrane. Harare, Zimbabwe. 17-18 May 2018
6. Strategic framework for research on immunization in the African region. Brazzaville, Congo. 25-27 April 2018

INTELLECTUAL INPUT

International

Cooper S

1. Peer reviewer, PLoS One. February 2019
2. Member, African Cochrane Indaba Abstracts Committee. October 2018 – March 2019
3. Peer reviewer, Critical Public Health. September 2018
4. Peer reviewer, Journal of the International AIDS Society. April 2018
5. Peer reviewer, International Journal for Equity in Health. April 2018; June 2018
6. Member, Editorial Board of Critical Public Health. 2015 -

Davids E

1. Peer reviewer, Journal of Child and Adolescent Mental Health. [date]

Durao S

1. Peer reviewer, Systematic Reviews. February 2019
2. Peer reviewer, BMJ Global Health. May 2018; August 2018
3. Member, African Cochrane Indaba Bursary Committee. November 2018 – March 2019
4. Member, African Cochrane Indaba Abstracts Committee. October 2018 – March 2019
5. Member, African Cochrane Indaba Organizing Committee. July 2018 – March 2019
6. Peer reviewer, Nutrition Reviews. June 2018
7. Co-Director, Cochrane Africa Network. May 2018 -
8. Contact editor, Cochrane Public Health Group. February 2018 -
9. Member, 25th Cochrane Colloquium Abstract Committee. January - September 2018
10. Co-Director, Cochrane Nutrition. May 2016 -

Galloway M

1. Member, African Cochrane Indaba Organizing Committee. July 2018 – March 2019

Hohlfeld A

1. Member, Knowledge Translation Working Group on Strategic Partnerships. October 2017 - January 2019
2. Member, African Cochrane Indaba Bursary Committee. November 2018 – March 2019
3. Co-Chair, African Cochrane Indaba Abstracts Committee. November 2018 – March 2019
4. Member, African Cochrane Indaba Organizing Committee. July 2018 – March 2019

Jaca A

1. Member, African Cochrane Indaba Bursary Committee. November 2018 – March 2019

Kredo T

1. Chair, African Cochrane Indaba Organizing Committee. July 2018 – March 2019
2. Peer reviewer, AIDS Research and Treatment. October 2018
3. Member, GRADE Working Group. July 2018 -
4. Peer reviewer, World Journal of Urology. April 2018
5. Peer reviewer, WHO Alliance for Health Policy and Systems. April 2018
6. Member, 25th Cochrane Colloquium Abstract Committee. February - September 2018
7. Co-Director, Cochrane Africa Network. August 2017 - ongoing
8. Member, Cochrane Knowledge Translation Working Group on Improving and Upscaling Existing Products. 2017 -
9. Member, Cochrane Nutrition Field Advisory Board and Management Committee. 2017 -
10. Member, Editorial Board of the Journal of Evidence-based Medicine. 2016 -
11. Editor, Cochrane Infectious Diseases Review Group. 2016 -
12. Member, G-I-N Afro Community Planning Committee. October 2014 -

13. Member, Anne Anderson Award Committee. 2012 - ongoing
14. Member, Cochrane Training Network. September 2011 - ongoing

Mahasha P

1. Member, African Cochrane Indaba Bursary Committee. November 2018 – March 2019
2. Honorary member, Golden Key International Honour Society. 2016 - ongoing

Mathebula L

1. Member, African Cochrane Indaba Bursary Committee. November 2018 – March 2019
2. Member, African Cochrane Indaba Abstracts Committee. October 2018 – March 2019
3. Member, African Cochrane Indaba Organizing Committee. July 2018 – March 2019

Modika L

1. Member, African Cochrane Indaba Organizing Committee. July 2018 – March 2019

Ndwandwe D

1. Member, African Cochrane Indaba Abstracts Committee. November 2018 – March 2019

Oliver J

1. Member, African Cochrane Indaba Bursary Committee. November 2018 – March 2019
2. Member, African Cochrane Indaba Organizing Committee. July 2018 – March 2019
3. Member, 25th Cochrane Colloquium Consumer Stipend Committee. February - September 2018
4. Member, Cochrane Council. January 2017 – March 2019
5. Member, Cochrane Consumer Executive. October 2016 -

Pienaar E

1. Chair, African Cochrane Indaba Bursary Committee. November 2018 – March 2019
2. Member, African Cochrane Indaba Abstracts Committee. October 2018 – March 2019
3. Member, African Cochrane Indaba Organizing Committee. July 2018 – March 2019
4. Member, Advisory Group, WHO International Clinical Trials Registry Platform (ICTRP). May 2018 - April 2020
5. Member, 25th Cochrane Colloquium Abstract Committee. February - September 2018
6. Member, Cochrane LMIC Stipend Committee. February 2018 -

Sambala E

1. Member, African Cochrane Indaba Bursary Committee. November 2018 – March 2019
2. Co-chair, African Cochrane Indaba Abstracts Committee. October 2018 – March 2019
3. Member, African Cochrane Indaba Organizing Committee. July 2018 – March 2019

Schmidt BM

1. Member, Cochrane Knowledge Translation Working Group on building KT infrastructure and internal capacity. March 2019 –
2. Member, African Cochrane Indaba Bursary Committee. November 2018 – March 2019
3. Member, African Cochrane Indaba Abstracts Committee. October 2018 – March 2019
4. Peer reviewer, BMC Health Services Research. June, September & October 2018

Wiysonge CS

1. Peer reviewer, BMJ. September 2018
2. Peer reviewer, BMC Public Health. August 2018
3. Peer reviewer, Vaccine. August 2018
4. Member, ASSAf-UNAS Consensus Study Committee on Root Causes of Low Coverage and Under-immunisation in sub-Saharan Africa. August 2018 - July 2019
5. Member, WHO Immunization and Vaccine-related Implementation Research Advisory Committee. 2018 - 2020
6. Board member, Clinical Research Initiative for Global Health. 2018 - 2020
7. Member, 25th Cochrane Colloquium Themes and Content Committee. January - September 2018
8. Editor, Human Vaccines & Immunotherapeutics. 2017 -
9. Editor, Cochrane Infectious Diseases Group. 2015 -
10. Member, African Task Force on Immunisation. WHO Africa. 2014 -
11. Member, African Advisory Committee on Health Research and Development. WHO Africa. 2014 -
12. Associate Editor, BMC Health Services Research. 2014 -
13. Member, Executive Committee, GREAT (Guideline-driven, Research priorities, Evidence synthesis, Application of evidence, and Transfer of knowledge) Network. 2014 -
14. Editor, Cochrane Column, International Journal of Epidemiology. 2014 -
15. Member, WHO SAGE Working Group on Ebola Vaccines and Vaccination. 2014 -
16. Member, WHO SAGE Working Group on Maternal and Neonatal Tetanus Elimination. 2014 -
17. Member, WHO Strategic Advisory Group of Experts on Immunisation (SAGE). 2014 - 2018
18. Member, Independent Review Committee, Global Alliance for Vaccines and Immunisation (Gavi). 2014 -
19. Member, Effective Health Care Research Consortium Executive Committee. 2011 - ongoing

Local

Cooper S

1. Peer reviewer, SAMRC Grants, Innovation and Product Development (GDIP) Unit. April 2018

Dauids E

1. Co-Director, Adolescent Health Research Unit, University of Cape Town. April 2018
2. Member, South African Young Academy of Science. 2017 -

Hohlfeld A

1. Teaching assistant, Systematic review and meta-analysis module for the MClIn Epi programme at Stellenbosch University. July & August 2018
2. Teaching assistant, Evidence-based healthcare module for the MPH programme, University of Cape Town. July 2018
3. Coordinator, Evidence-based health care module in the Masters of Public Health, University of Cape Town. June 2018 - November 2019
4. Coordinator, Systematic review module for the Masters in Clinical Epidemiology, Stellenbosch University. January - December 2018

Kredo T

1. Chair, Selection Panel for Senior Scientist. June 2018
2. Co-convenor, Clinical Practice Guidelines module for the Masters in Clinical Epidemiology, Stellenbosch University. January - December 2018
3. Co-convenor, systematic review module for the Masters in Clinical Epidemiology, Stellenbosch University. January - December 2018
4. Member, National Essential Medicines List Committee. May 2017 - Apr 2020
5. Extraordinary Senior Lecturer in Clinical Pharmacology, Stellenbosch University. April 2015 - December 2021
6. Member, South African Medical Journal Editorial Sub-Committee for Guideline Review. April 2014 -
7. Member, HIV Adult Advisory Committee of the Western Cape. 2006 - ongoing

Mahasha P

1. Member, South African Council for Natural Scientific Professions. 2018 - ongoing

Wiysonge CS

1. Member, SAMRC Human Research Ethics Committee. May 2018 - December 2021
2. Chair, SAMRC Selection Committee, Postdoctoral Fellow. April 2018
3. Chair, SAMRC selection panel for senior scientist. April 2018
4. Member, National Advisory Group on Immunisation, National Department of Health, South Africa. 2018 - 2022

TRAINING COURSES/CONFERENCES ATTENDED

1. Davids E. Masters in Public Health, University of Cape Town. 2019 -. Cost: Nil
2. Mathebula L. Famelab International Communications training workshop. Cape Town. 7-8 February 2019. Cost:
3. Cooper S. Moving from evidence to decisions: how to package research evidence in GRADE Evidence-to-Decision Frameworks training workshop. Cape Town. 25 January 2019. Cost:
4. Schmidt BM. Moving from evidence to decisions: how to package research evidence in GRADE Evidence-to-Decision Frameworks training workshop. Cape Town. 25 January 2019. Cost:
5. Schmidt BM. GRADE-CERQual training. Cape Town. 23 January 2019. Cost:
6. Wiysonge CS. Applied Ethics in Health Research course. South African Medical Research Council. 20-21 November 2018. Cost: R 3354

7. Mahasha P. Applied Ethics in Health Research course. South African Medical Research Council. 20-21 November 2018. Cost: R 3354
8. Kredo T. Applied Ethics in Health Research course. South African Medical Research Council. 20-21 November 2018. Cost: R 3354
9. Ndwandwe D. Applied Ethics in Health Research course. South African Medical Research Council. 20-21 November 2018. Cost: R 3354
10. Jaca A. Attended the 14th Annual African Vaccinology Course. Cape Town. 14-16 November 2018. Cost: R Nil
11. Mahasha P. Attended the 14th Annual African Vaccinology Course. Cape Town. 12, 14 & 16 November 2018. Cost: R Nil
12. Mathebula L. Attended the 14th Annual African Vaccinology Course. Cape Town. 15 November 2018. Cost: R Nil
13. Sambala E. Attended the 14th Annual African Vaccinology Course. Cape Town. 15 November 2018. Cost: R Nil
14. Galloway M. SciCOM 100 Conference 2018. Cape Town. 5-7 November 2018. Cost: R 3,500
15. Schmidt BM. CEBHA+ Integrated knowledge translation workshop - Evidence-informed decision-making: The art, science and complexity of knowledge translation. Cape Town. 1-2 November 2018. Cost: R Nil
16. Kredo T. CEBHA+ Integrated knowledge translation workshop - Evidence-informed decision-making: The art, science and complexity of knowledge translation. Cape Town. 1-2 November 2018. Cost: R Nil
17. Wiysonge CS. Strategic Advisory Group of Experts on Immunisation (SAGE) Meeting. WHO, Geneva, Switzerland. 23-25 October 2018
18. Schmidt BM. Technical Consultative Forum on Health Policy and Systems Research in South Africa. Cape Town. 23 October 2018. Cost: R Nil
19. Mahasha P. Primer in systematic reviews & research synthesis (online course). Stellenbosch University, Cape Town. 1 October – 17 December. Cost: R 2000
20. Mavundza E. Primer in systematic reviews & research synthesis (online course). Stellenbosch University, Cape Town. 1 October – 17 December. Cost: R 2000
21. Mavundza E. SAMRC-NIH Grant Writing workshop. South African Medical Research Council. Cape Town. 6 September 2018. Cost: Nil
22. Ndwandwe D. SAMRC-NIH Grant Writing workshop. South African Medical Research Council. Cape Town. 6 September 2018. Cost: Nil
23. Wiysonge CS. Black Economic Empowerment. Cape Town. 3 July 2018. Cost: Nil
24. Durao S. European Summer School 2018 in Evidence-based Public Health at Ludwig-Maximilians-University. Munich, Germany. 23-27 July 2018. Cost: € 700
25. Hohlfeld A. Grant Writing Fundamentals course at Stellenbosch University. Cape Town. 7 July 2018. Cost: R 1,200
26. Schmidt BM. Good Clinical Practice Refresher course by Clinical Research Education and Development. Cape Town. 3 July 2018. Cost: R 1,917
27. Ndwandwe D. University of the Western Cape Winter School 2018: Understanding and Analysing Health Policy. Cape Town. 9-13 July 2018. Cost: R 4,300
28. Cooper S. The local health policy and systems research evidence synthesis landscape: meet, learn and plan workshop. Cape Town. 15 June 2018. Cost: Nil

29. Mathebula L. Evidence-informed Decision making: The Art, Science and Complexity of Knowledge Translation course at Stellenbosch University. Cape Town. 20-21 June 2018. Cost: R 3,000
30. Pienaar E. University of Stellenbosch Business School Executive Development Project Management: Principles and Practices online course presented by MasterStart. Cape Town. 29 May - 20 August 2018.
31. Wiysonge CS. Postgraduate Supervision in Health Sciences workshop at Stellenbosch University. Cape Town. 22-23 May 2018. Cost: Nil
32. Wiysonge CS. Stellenbosch University Africa Day Seminar. Cape Town. 25 May 2018. Cost: Nil
33. Wiysonge CS. Science Advice workshop. Durban. 11 April 2018. Cost: Nil