









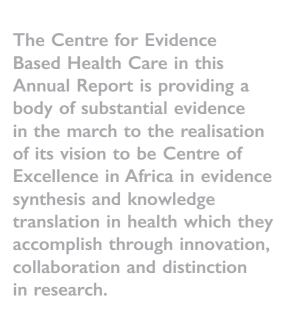
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### CHAIRPERSON'S FOREWORD

**Prof Usuf Chikte**Chair Governing Board
Centre for Evidence-based Health Care



The year under review marks an engagement in high-quality reviews, knowledge translation and research with particular relevance to the African region and which provides global lessons on the best application of best evidence in healthcare policy and practice. The outputs bear testimony to the enhancement of evidence-informed decision-making to counter research wastage, fruitless policies and practices with a view to make a positive impact on health and well-being.

The intellectual labour of the CEBHC is grounded in its values of excellence, integrity, credibility relevance and collaboration. These values spark the research priorities, training agenda and knowledge translation initiatives. The values furthermore creates the environment for sound governance, which under indefatigable leadership of the Director duly assisted by a talented and dynamic team has yielded a rich academic and research harvest yet again. The work of the CEBHC has increased and promoted the use of research outputs and has made considerable progress with the implementation of integrated teaching and learning evidence-informed decision-making.

CEBHC stands out as a beacon of hope to impact on the quality of health of population nationally, regionally and globally with so much promise and hope to contribute yet further to combatting inequity and social injustice.



# DIRECTOR'S MESSAGE

**Prof Taryn Young**Director
Centre for Evidence-based Health Care

With the work of the CEBHC increasingly recognized nationally, regionally and internationally, the Centre has increased its scope of activities, implemented and lead new projects and fostered new collaborative engagements.

The team, who lives out the values of the CEBHC in everything they do, has worked hard at increasing, and promoting the use of, research outputs and has made great progress with the implementation of integrated teaching and learning of evidence-informed decision-making.

The task of maintaining the CEBHC as a global centre of excellence in evidence-informed health care is huge. However, we are confident that the CEBHC will consolidate current achievements and make further progress. Our confidence lies in our team work, in the support from our institution and our partnerships. The Centre has strong collaborative links nationally, regionally and internationally, and through collaboration avoid duplication of efforts and maximises the use of limited resources.

I wish to express our gratitude for the support from the head of Department of Global Health, the Faculty of Medicine and Health Sciences, the CEBHC Governing Board, and our funders and collaborators. Special thanks go to our team who work tirelessly towards the realisation of the CEBHC goals.

CENTRE FOR EVIDENCE BASED HEALTH CARE

### **GUIDING PRINCIPLES**

### **OUR VISION**

A world where every member of society receives equitable and quality health care supported through evidence-informed decision-making.



**OUR VALUES** 

Sound moral and ethical principles that serve as foundations

for trust, honesty and transparency, and for building effective

Effective engagements and teamwork through sharing of

ideas and skills, and fostering original thinking, innovation

Accepting the highest level of responsibility for our actions

Relevance:

health care

Excellence:

Equity:

our aspirations

Striving for outputs that are important, current, applicable,

useful and meaningful to people making decisions about

Academic freedom to pursue knowledge that adheres to

Restitution in response to our past legacy and fairness in

the highest standards of integrity, renewal and relevance

Integrity:

relationships

Collaboration:

Accountability:

and continuous learning

### **OVERVIEW**

The state of the sustainable development goals, especially Goal 3.

SUSTAINABLE GOALS

SUSTAINABLE GOALS

SUSTAINABLE GOALS

BEGAN HOUSE ALS

The Centre for Evidence-based Health Care (CEBHC) is a coordinating and directive centre for research and training of the Faculty of Medicine and Health Sciences, Stellenbosch

University, in the field of evidence-based health care. We are located within the Department of Global Health. We use

### **KEY ACCOMPLISHMENTS IN 2018**

- The work of our team has had demonstrable impact on important public health interventions.
- We are recognised by others for our leadership in evidence synthesis and knowledge translation.
- We focus on high impact reviews and in promoting leadership in evidence synthesis.
- We influence Cochrane on many fronts co-lead Cochrane Nutrition, co-lead Southern-Eastern Hub of Cochrane Africa, members of Cochrane Knowledge Translation and Cochrane WHO strategic groups, steering group members of Cochrane Africa, serve as Cochrane editors
- We established South African GRADE Network with Cochrane SA.
- In 2018 we published 40 peer reviewed journal articles, 7 protocols and 4 book chapters. We gave 15 international and 19 national conference presentations.
- Staff supervise and provide methodological mentorship and support to various postgraduate, including postdoctoral students.
- Eight postgraduate students supervised by Centre staff graduated, input to under- and post-graduate programmes continued and we implemented various workshops and seminars to advance EBHC knowledge and skills.
- We developed and implemented a series of workshops to increase capacity of researchers on the art and science of knowledge translation
- Secured R11 million in new grants to support work programmes.
- Dedicated team working with extra-ordinary staff from McMaster University, Liverpool School of Tropical Medicine and SA Medical Research Council.

### **GOVERNANCE**

The work of the CEBHC is guided by the Constitution of the Centre. The Centre is managed by a Director and her Management Committee, while oversight is provided by a Governing Board.



### **GOVERNING BOARD**

The Governing Board provides strategic oversight and direction to the Centre.

### **Board members**

- Dr Tania Brodovcky, Manager of Research Capacity Development and Funding
- Prof Usuf Chikte, Head of the Department of Global Health (Chairperson)
- Dr Angela Dramowski, Department Paediatrics
- Dr Therese Fish, Vice-Dean Clinical Services and Social Impact
- Prof Paul Garner, International expert in EBHC (Deputy Chairperson)
- Dr Krish Vallabhjee, Provincial Department of Health
- Prof Jimmy Volmink, Dean of the Faculty of Medicine and Health Sciences
- Prof Taryn Young, CEBHC Director

### MANAGEMENT COMMITTEE

The management committee consisting of the Director, head of the Department of Global Health and two to three staff members meets regularly to discuss management issues. Specific individuals are co-opted when necessary, based on the agenda of the specific management committee meeting.

CENTRE FOR EVIDENCE BASED HEALTH CARE

# Our STRATEGIC **OBJECTIVES**

### Address policy and practice needs in South Africa and Africa, and enhance the use of best available evidence

There is increasing interest to ensure that health policymaking and practices are informed by research evidence to improve the performance of health systems and the attainment of the global sustainable development goals (SDGs).

Translating research into policy starts by doing research on the right questions and it requires up-to-date, independent, rigorous systematic reviews. We engage with decision makers at national and WHO, contribute to guideline development and we focus on conducting reviews on relevant topics and have demonstrated through our collaborative projects how these timely, well conducted systematic reviews influence policies. Properly carried out synthesis give a clear bottom line, an assessment of the certainty of the evidence, and whether there is a research gap.



# Make timely contributions to knowledge gaps in health care by carrying out and promoting systematic reviews that are Africa-relevant and rigorous

<u>IN</u> 2018

- We Published -



PEER REVIEWED JOURNAL ARTICLES



PROTOCOLS



BOOK CHAPTERS

We Gave



INTERNATIONAL CONFERENCE PRESENTATIONS



9

NATIONAL CONFERENCE PRESENTATIONS

Through the Effective Health
Care Research Consortium
(www.evidence4health.org) we
contributed to a programme of
work with a strong emphasis on
priority reviews that influence
policy, capacity development,
dissemination of findings and
multiple approaches to ensure
the evidence produced is
institutionalised in decision making.

### The programme has had substantial impact on:

- · developing a portfolio of influential reviews,
- developing methods,
- · assuring adoption of methods,
- contributing to debate in contested areas, and
- informing global and national policies and decision making.

In 2018 we commenced Research, Evidence and Development Initiative (READ-It): evidence synthesis for sustainable development. It represents continued support to the Evidence Ecosystem portfolio in health related to diseases of poverty through Cochrane and related organizations relevant to DFID, global and national health systems. However, the ecosystem has changed: the methods of systematic reviews are now widely accepted, there are many systematic reviews available, and there are increasing numbers of evidence to decision-making projects in low- and middle-income countries drawing on methods that Cochrane and related organizations such as GRADE has developed.

We are thus focusing on high impact reviews and on promoting leadership in evidence synthesis.

### Example of evidence for impact

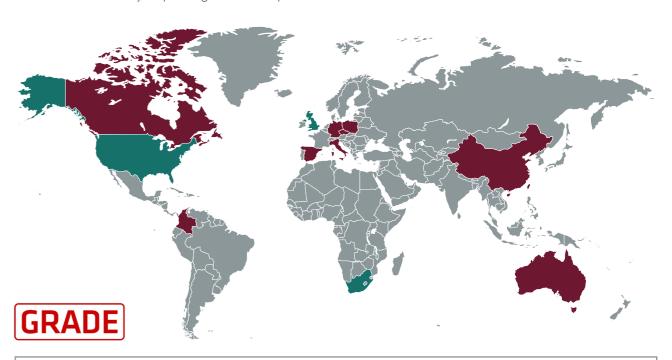
In 2017, the World Health Organization (WHO) convened a guideline panel to update recommendations on preventing, diagnosing, and managing cryptococcal disease in HIV-infected people. These guidelines were published in March 2018. This guideline update was supported by three Cochrane Reviews lead and contributed to by the CEBHC.

World Health Organization. Guidelines on the diagnosis, prevention and management of cryptococcal disease in HIV-infected adults, adolescents and children: supplement to the 2016 consolidated guidelines on the use of antiretroviral drugs for treating and preventing HIV infection. Geneva (Switzerland): World Health Organization; 2018 March. Available at <a href="https://www.who.int/hiv/pub/guidelines/cryptococcal-disease/en/">https://www.who.int/hiv/pub/guidelines/cryptococcal-disease/en/</a>.



### ADVANCING METHODS IN EVIDENCE SYNTHESIS – GRADE SOUTH AFRICA NETWORK

The newly established South Africa GRADE Network (https://www.cebhc.co.za/research-what-we-do/south-africa-grade-network/) aims to advance the use of GRADE for evidence-informed decision-making for policy and practice in South Africa. Through the Network we aim to bring together contributors to GRADE within South Africa, jointly agree on the priorities and strategies for advancing GRADE activities, and build on the extensive research and training experience of individuals within the Network to coordinate and maximize GRADE training, research and guideline activities in South Africa. The Network is jointly managed, and led, by the CEBHC and Cochrane South Africa.



### **GRADE** Centres

McMaster University GRADE Centre, **Canada**, Lanzhou University GRADE Centre, **China**, Barcelona GRADE Centre, **Spain**, Freiburg University GRADE Centre, **Germany**, American University of Beirut GRADE Centre, **Lebanon**, Lazio Region-ASL Rome GRADE Centre, **Italy**, Javeriana Bogotá GRADE Centre, **Colombia**, JBI Adelaide GRADE Centre, **Australia**, Melboure GRADE Centre, **Australia**, Nottingham Ningbo Centre, **China**, Masaryk University Centre, **Czech Republic**, and **Poland** 

### **GRADE Networks**

US GRADE Network, **United States**, Dutch GRADE Network, **Netherlands**, UK GRADE Network, **United Kingdom**, and SA GRADE Network, **South Africa** 

ANNUAL REPORT 2018

• 3

## Enhance knowledge, skills and practices of key stakeholders in evidence-informed health care

During 2018, various activities were offered at undergraduate, postgraduate and continuing professional development level. Centre staff supervised and provided methodological mentorship and support to various postgraduate, including postdoctoral students.

Eight postgraduate students supervised by Centre staff graduated, input to under- and post-graduate programmes continued and we implemented various workshops and seminars to advance EBHC knowledge and skills.

### MSC CLINICAL EPIDEMIOLOGY

The MSc in Clinical Epidemiology (www.sun.ac.za/ clinepi) offers rigorous methodological training for health professionals who wish to pursue careers in clinical research and/or evidence-based health care practice. The academic leadership for this programme is provided by the Director of the CEBHC. Programme intake has grown exponentially over the past few years and we are attracting students from a wide geographic area. It is a part-time programme that runs over two years and offers a blend of face-to-face contact sessions, e-learning and self-study. It has employed various innovations, including a mentorship component and a system of teaching assistantship that provides support to both the students and convenors of the programme. In 2018 we reached 139 graduates. The MSc in Clinical Epidemiology programme is inseparable from the work of the CEBHC as staff play key roles in enhancing and expanding the programmatic offering - staff convene various modules, facilitate sessions, provide teaching assistance and support, and are involved in the development and implementation of new structured modules.

### ADVANCING EVIDENCE INFORMED PUBLIC HEALTH

The CEBHC, as part of a wider network of seven African and two German institutions, was successful in securing funding from the German Federal Ministry of Education and Research as part of the Research Networks for Health Innovation in Sub-Saharan Africa Funding Initiative. The Collaboration for Evidence-based Healthcare and Public Health in Africa (CEBHA+) is a 5-year project that aims to build long-term capacity and infrastructure for evidence-based healthcare and public health in sub-Saharan Africa, including primary research, evidence synthesis, and evidence-based policy-and-practice. CEBHA+ adopts a population perspective, which encompasses both prevention of disease and delivery of care.

In response to the limited training initiatives in the field of Evidence-based Public Health (EBPH) in Africa and the rest of the world, the capacity development working group of CEBHA+, coordinated by CEBHC, developed a five-day workshop on EBPH. It was first implemented at Makerere University, Kampala, Uganda 8-12 October 2018. Thirty participants actively engaged in workshop activities. CEBHA+ team members from Uganda, Rwanda, South Africa and Germany facilitated the workshop. Participants included public health students and public health practitioners from Uganda. Considering that Uganda faces a huge burden of road traffic injuries, we used this as the main example to illustrate EBPH approaches, and selected a controlled before-after study, an interrupted time series study and a systematic review on interventions to prevent road traffic accidents for critical appraisal. Participants reported that the content was relevant and applicable to their daily work. We are offering it next in Kigali, Rwanda, in September 2019.

All in all... the workshop was very good...
...very relevant to my duty of work. And to
my career and has equipped me with lots of
knowledge and skills that I am going to apply

knowledge and skills that I am going to apply in my daily work... will surely do my best to inform policy and practice based on evidence that I have researched and great decisions made for the better of the country"

### BUILDING CAPACITY IN OPERATIONAL RESEARCH

The Stellenbosch University Collaborative Capacity Enhancement through Engagement with Districts (SUCCEED) project, funded by the Centers for Disease Control and Prevention (CDC) under the USA President's Emergency Plan for AIDS Relief (PEPFAR), facilitated South African university-based technical assistance that aims to improve the quality of HIV/AIDS and related services in South Africa. The project provided technical assistance and capacity development in decentralised learning, operational research, quality improvement and data.

As the growth in existing evidence is not translating to change-on-the-ground realities the challenges remain in the implementation of strategies and we at the CEBHC focused on building capacity for operational research (OR) through workshops, mentorship and experiential learning.

### The project ended in September 2018 and we achieved the following over 3 years:

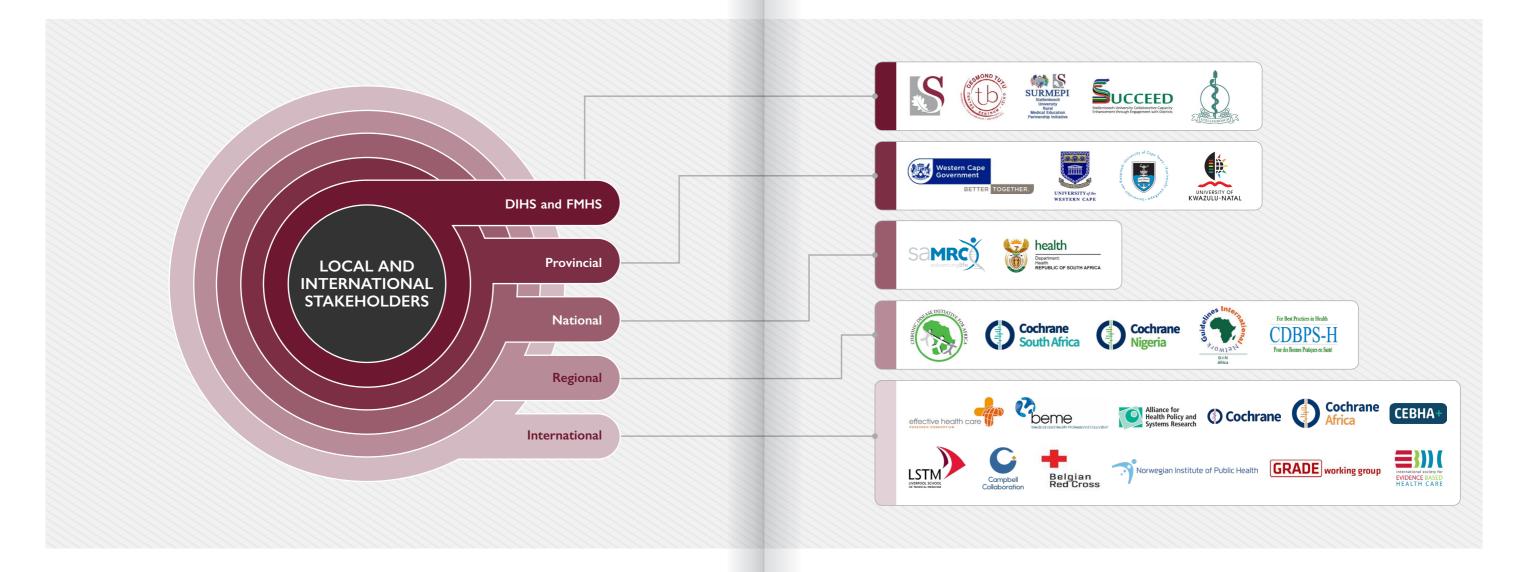
- We engaged with over 1000 members working in health care, governmental departments at district, provincial and national level, university institutions, and NGO's working in the SUCCEED priority sites (Madwaleni Hospital, Butterworth Hospital, All Saints Hospital) in the Eastern Cape.
- We offered 15 face-to-face workshops, eight webinars on protocol development for OR, 39 short course fellowships and nine postgraduate bursaries. Since inception of the project, we have had one PhD graduate,
   Masters graduates and expecting 4 more Masters graduations and I PhD graduation in the next I-2 years.
- The OR activity did more than just train stakeholders, it
  also changed the mindsets and the culture of research
  within institutions, so that stakeholders themselves
  started seeing the need for evidence-informed decisionmaking. Stakeholders were equipped with the skills and
  tools to implement their new knowledge.
- We had supported 15 mentees with various needs through consultations in research (27), Biostatistics (30) and Knowledge Translation (4).
- We hosted two unstructured 3-day writing retreats with and one structured protocol-writing retreat. In total 47 persons were supported with time away for writing. We also facilitated additional workshops on Knowledge Translation.
- We supported five 5-day experiential learning opportunities where candidates had the chance to sit in on meetings, research planning, short courses, workshops, meet researchers in different fields and time away to work on the research projects.

### Cultivate diverse, strong and effective partnerships

The Centre works in collaboration with a number of local, regional and international institutions, and staff serve on various national and international committees. The key principles are to encourage dialogue, enhance EBHC activities and avoid unnecessary duplication.

- The Centre works collaboratively with various divisions and departments within the FMHS at Stellenbosch University.
- Within National and Provincial Department of Health we partner with various decision makers.
- We link with the Chronic Disease Initiative for Africa (CDIA) and key stakeholders from other academic and research institutions.
- At a national level the CEBHC collaborates with the Medical Research Council (MRC), specifically Cochrane South Africa, to support the conduct of Cochrane Reviews and promote EBHC in the African region.

- Together with South African Medical Research Council, Africa Centre for Evidence and African Evidence Network led by the University of Johannesburg, and the WITS Centre for Health Policy, we contribute to the joint South African Evidence Synthesis Group. This group aims to present a forum for collaboration and discussion on evidence synthesis in South Africa. We have collaborated on two training courses for evidence synthesis.
- Regionally we link with CEBHA+ and within the Cochrane African Network the CEBHC plays a key role in coordinating the Southern-Eastern Hub.
- Internationally the Centre collaborates with the READ-It project (funded by DFID) with partners in India, Sri Lanka, Norway, UK, Zambia, to increase evidence-informed decisions in order to improve health and health care for the poor in LMICs.
- The CEBHC also works with various Cochrane and Campbell groups and links actively with the World Health Organisation (WHO) at national, regional and international levels.



### **FUNDING**





















The CEBHC does not receive any funding from commercial sources, defined as any for-profit manufacturer or provider of health care, or any other for-profit source with a real or potential vested interest in the findings of specific research.

### **RESEARCH OUTPUTS 2018**

### PEER-REVIEWED PUBLICATIONS

- Smit DP, Meyer D, Esterhuizen TM, De Groot-Mijnes JDF (2017): Polymerase Chain Reaction and Goldmann-Witmer Coefficient Testing in the Diagnosis of Infectious Uveitis in HIV-positive and HIV-negative Patients in South Africa. Ocular Immunology and Inflammation. DOI:10.108 0/09273948.2017.1407802
- 2. Noor F, Koegelenberg CFN, **Esterhuizen TM**, Irusen EM. Predictors of treatment success in smoking cessation with varenicline combined with nicotine replacement therapy v. varenicline alone. *S Afr Med J* 2018;108(1):45-49. DOI:10.7196/SAMJ.2018.v108i1.12671
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- 4. von Pressentin KB, Mash RJ, Baldwin-Ragaven L, Botha RPG, Govender I, Steinberg WJ, **Esterhuizen TM**. The Influence of Family Physicians Within the South African District Health System: A Cross-Sectional Study. *Annals Of Family Medicine* VOL. 16, NO. 1, JANUARY/FEBRUARY 2018. https://doi.org/10.1370/afm.2133.
- Milambo JPM, Cho K, Okwundu C, Olowoyeye A, Ndayisaba L, Chand S and Corden MH. Newborn follow-up after discharge from a tertiary care hospital in the Western Cape region of South Africa: a prospective observational cohort study. Global Health Research and Policy 2018;3:2. DOI:10.1186/s41256-017-0057-4
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- De Buck E, Hannes K, Cargo M, van Remoortel H, Vandeveegaete A, Mosler HJ, Govender T, Vandekerckhove P, Young T (2017): Engagement of stakeholders in the development of a Theory of Change for handwashing and sanitation behaviour change. *International Journal of Environmental Health Research*. DOI:10.1080/09603123 .2017.1415306
- 10. Blake P, Durao S, Naude CE, Bero L. An analysis of methods used to synthesize evidence and grade recommendations in food-based dietary guidelines. *Nutrition Reviews VR* Vol. 76(4):290-300.
- II. Manwana ME, Mokone GG, Kebaetse M, **Young** T. Epidemiology of traumatic orthopaedic injuries at Princess Marina Hospital, Botswana. SA Orthop J 2018; 17(1):41-46. http://dx.doi.org/10.17159/2309-8309/2018/v17n1a6
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- 34. **Rohwer A**, Wager E, **Young T**, Garner P. Plagiarism in research: a survey of African medical journals. *BMJ Open* 2018;8:e024777. DOI:10.1136/ bmjopen-2018-024777
- 35. Awotiwon AA, Johnson S, Rutherford GVV, Meintjes G, Eshun-Wilson I. Primary antifungal prophylaxis for cryptococcal disease in HIV-positive people. *Cochrane Database of Systematic Reviews* 2018, Issue 8. Art. No.: CD004773. DOI:10.1002/14651858.CD004773.pub3.
- 36. Mbuagbaw L, Slogrove AL, Sas J, Kunda JL, Morfaw F, Mukonzo JK, Cao W, Ngomba-Kadima G, **Zunza M**, Ongolo-Zogo P, Nana PN, Cockcroft A, Andersson N, Sewankambo N, Cotton MF, LiT, **Young T**, Singer J, Routy J, Ross CJD, Thin K, Thabane L, Anis AH. Output from the CIHR Canadian HIV Trials Network international postdoctoral fellowship for capacity building in HIV clinical trials. *HIVIAIDS Research and Palliative Care* 2018:10 151–155
- 37. Farebrother J, **Naude CE**, **Nicol L**, Sang Z, Yang Z, Jooste P, Andersson M, Zimmermann M. Effects of lodized Salt and lodine Supplements on Prenatal and Postnatal Growth: A Systematic Review. *Advances in Nutrition*, Volume 9, Issue 3, 1 May 2018, Pages 219–237. https://doi.org/10.1093/advances/nmy009
- 38. Olowoyeye A, **Okwundu CI**. Gene therapy for sickle cell disease. *Cochrane Database of Systematic Reviews* 2018, Issue 11. Art. No.: CD007652. DOI:10.1002/14651858. CD007652.pub6.x
- 39. Kredo T, Cooper S, Abrams A, Muller J, **Volmink J**, Akins 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;18:965
- 40. **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 Journal*, December 2018. DOI:10.1136/bmigh-2018-001130

### **PUBLISHED PROTOCOLS**

- Kashangura R, Jullien S, Garner P, Young T, Johnson S. MVA85A vaccine to enhance BCG for preventing tuberculosis (Protocol). Cochrane Database of Systematic Reviews 2018, Issue 1. Art. No.: CD012915. DOI:10.1002/14651858.CD012915.
- Mateo-Urdiales A, Johnson S, Nachega JB, Eshun-Wilson I. Rapid initiation of antiretroviral therapy for people living with HIV (Protocol). Cochrane Database of Systematic Reviews 2018, Issue 2. Art. No.: CD012962. DOI:10.1002/14651858.CD012962.
- 3. Hine P, Smith R, **Eshun-Wilson I**, Orrell C, Cohen K, Leeflang MMG, Ford N. Measures of antiretroviral adherence for detecting viral non-suppression in people living with HIV. *Cochrane Database of Systematic Reviews* 2018, Issue 7. Art. No.: CD013080. DOI:10.1002/14651858.CD013080.
- Pheiffer C, Pillay-van Wyk V, Joubert JD, Levitt N, Nglazi MD, Bradshaw D. The prevalence of type 2 diabetes in South Africa: a systematic review protocol. BMJ Open 2018;8:e021029. DOI:10.1136/ bmjopen-2017-021029
- Ochodo EA, Kakourou A, Mallett S, Deeks JJ. Point-ofcare viral load tests to detect high HIV viral load levels in HIV-positive people on antiretroviral therapy. *Cochrane Database of Systematic Reviews* 2018, Issue 11. Art. No.: CD013208. DOI:10.1002/14651858.CD013208.
- Ochodo EA, Kakourou A, Mallett S, Deeks JJ. Point-ofcare tests detecting HIV nucleic acids for diagnosis of HIV infection in infants and children aged 18 months or less. Cochrane Database of Systematic Reviews 2018, Issue 11. Art.No.:CD013207.DOI:10.1002/14651858.CD013207
- 7. **Uwimana Nicol J, Rohwer A, Young T**, et al. Integrated models of care for diabetes and hypertension in lowand middle-income countries (LMICs): Protocol for a systematic review. *Systematic Reviews* 2018;7(1):203. DOI:10.1186/s13643-018-0865-8

### SCIENTIFIC LETTERS, EDITORIALS, COLUMNS

- 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 healthcare decision making across sub-Saharan Africa. The Pan African Medical Journal 2018;29:196. DOI:10.11604/ pamj.2018.29.196.14521
- 2. **Grobler L**, Durao S, van der Merwe SM, Wessels J, Naude C. Nutritional supplements for people being treated for active tuberculosis: A technical summary. S Afr Med J 2018;108(1):1618. DOI:10.7196/SAMJ.2018. v108i1.12839

### **CHAPTER IN BOOKS**

 Naude CE, Young T. Chapter 14: How to search and critically appraise the literature. In: How To Do Primary Care Research. Felicity Goodyear-Smith, Robert Mash. CRC Press, Published October 12, 2018. ISBN 9781138499584 - CAT# K374980

- 2. **Young T, Naude CE**. Chapter 15:Taking stock of existing research: Approach to conducting a systematic review. In: How To Do Primary Care Research. Felicity Goodyear-Smith, Robert Mash. *CRC Press*, Published October 12, 2018. ISBN 9781138499584 CAT# K374980
- Mash R, Jessani N, Nicol L. Chapter 30: Reaching decision-makers and achieving social impact with your research. Felicity Goodyear-Smith, Robert Mash. CRC Press, Published October 12, 2018. ISBN 9781138499584 - CAT# K374980
- 4. Checkett K, Wallis L, Reynolds T. Part 4. Section Trauma: Spinal Injury. Contributing Author **McCaul M**. AFEM Handbook of Acute and Emergency Care. 2nd Ed. Oxford University Press Southern Africa, Published December 2018. ISBN 9780190722821

### **INTERNATIONAL PRESENTATIONS**

- 1. **Rohwer A**, Wager E, **Young T**, Garner P. Advancing research integrity: A programme to embed good practice in Africa. 25th Cochrane Colloquium, Edinburgh, UK, 16-18 September 2018 (poster presentation).
- 2. **Esterhuizen TM**. Advancing biostatistical collaboration in Sub Saharan Africa: Development and implementation of a Biostatistical Collaboration module in the Stellenbosch University Masters in Biostatistics Programme. *First International Conference on Statistical Advising*. http://www.advice2018.bio/. 9-11 September 2018, Oslo, Norway (oral presentation).
- 3. **McCaul M**, Clarke M, Bruijns S, Hodkinson P, de Waal B, Pigoga J, Wallis L , **Young T**. Global emergency care clinical practice guidelines: A landscape analysis. *G-l-N* 2018, Manchester, UK (poster presentation)
- 4. **McCaul M, Hendricks L**, Naidoo R. Prehospital providers' perspectives for clinical practice guideline implementation and dissemination: Strengthening guideline uptake in South Africa. *G-I-N 2018*, Manchester, UK (poster presentation)
- 5. Kredo T, **McCaul M**, Siegfried N. Simulation for teaching GRADE in guidelines development in sub-Saharan Africa. *G-I-N 2018*, Manchester, UK (poster presentation)
- 6. **McCaul M**, Galloway M, Ernstzen D, Temmingh H, Draper B, Kredo T. Adaptive clinical practice guideline development methods in resource-constrained settings four case studies from South Africa. *G-l-N* 2018, Manchester, UK (poster presentation)
- 7. Baatjies K, Kotze M, **McCaul M**, Conradie M. Bone health status in multi-ethnic South African postmenopausal breast cancer patients, at initiation of aromatase inhibitor therapy. *18th International Congress of Endocrinology*, December 2018, Cape Town, South Africa (oral presentation).
- 8. **Schoonees A**, Lombard M, Musekiwa A, Nel E, Volmink J. Ready-to-use therapeutic food (RUTF) for home-based nutritional rehabilitation of children aged 6 months to 5 years with severe acute malnutrition (SAM). International Conference on Critical Public Health Consequences of the Double Burden of Malnutrition and the Changing Food Environment in South and South-East Asia, New Delhi, India, 28 and 29 March 2018 (oral presentation).

- 9. Schoonees A, Naude C, Volmink J. Cochrane "Packaging and Push" in action: dishing up digestible nutrition evidence. (Oral presentation). 25th Cochrane Colloquium on Cochrane for all better evidence for better health decisions, Edinburgh, United Kingdom, 16 September 2018 (oral presentation).
- 10. Visser M, Kredo T, Saldanha IJ, Durao S. Assessing the completeness and comparability of outcomes in systematic reviews addressing food availability: A pilot study. 25th Cochrane Colloquium, Edinburg, UK, 16-18 September 2018 (poster presentation).
- II. **Nguyen KA**, Ryan-Vig S, Carter E, Eisinga A, **Naude CE**. Use of Cochrane nutrition reviews in guidelines: appraising the "payback" on investing in nutrition evidence synthesis. *Cochrane Colloquium*, Edinburgh, 2018 (poster presentation).
- 12. **Jessani N**. Making Universal Health Coverage a reality by 2030: evidence of what works. *Health Systems Global Symposium on Health Systems Research*, Liverpool, UK, October 2018 (Session Chair).
- 13. **Jessani N**. Bringing the Pieces Together: Multiple Perspectives on Translating Evidence into Action. *Health Systems Global Symposium on Health Systems Research*, Liverpool, UK, October 2018 (Session Facilitator).
- 14. **Jessani N**. How do drivers for policy engagement affect the potential for academia to influence policy and practice? Implications for multisectoral action on health systems policy. *Health Systems Global Symposium on Health Systems Research*, Liverpool, UK, October 2018.
- 15. **Jessani N**. The potential for Academia to advance the SDG agenda through multisectoral relationships, networks and partnerships: A modified mixed-methods study. *Health Systems Global Symposium on Health Systems Research*, Liverpool, UK, October 2018.

### **NATIONAL PRESENTATIONS**

- 1. **Rohwer A**. Logic models and their application in research synthesis of complex interventions. *MRC Health Systems Research Unit*, Academic day, Cape Town, South Africa. 30 October 2018 (invited presentation).
- 2. **Esterhuizen TM**. Effective Collaboration in Biostatistical Consulting: The ASCCR framework. *SATA Conference* 2018, International Conference on Clinical Biostatistics and Epidemiology, 22-24 October 2018, Cape Town, South Africa (oral presentation).
- 3. **Zunza M**, Ndarukwa V. Six-week HIV transmission risk among infants born to Zimbabwean mothers on routine combination antiretroviral treatment: A Bayesian analysis. *Clinical Biostatistics and Epidemiology conference*, 22-24 October 2018, Cape Town, South Africa (oral presentation).
- 4. **Zunza M**, Esser M, Slogrove A, Bettinger JA, Machekano R, Cotton MF. Early breastfeeding cessation amongst South African HIV-infected and uninfected women. *Annual Division of Epidemiology and Biostatistics Research Day*, Stellenbosch University, Cape Town, South Africa, 30 July 2018 (oral presentation).
- 5. **McCaul M, Hendricks L**, Naidoo R. Prehospital providers' perspectives for clinical practice guideline implementation and dissemination: Strengthening

- guideline uptake in South Africa. *Stellenbosch University Academic Year Day 2018*, Cape Town, South Africa (poster presentation).
- 6. **McCaul M**, Clarke M, Bruijns S, Hodkinson P, de Waal B, Pigoga J, Wallis L, **Young T**. Global emergency care clinical practice guidelines: A landscape analysis. *Stellenbosch University Academic Year Day 2018*, Cape Town, South Africa (oral presentation).
- 7. Decloedt E, Joska J, **McCaul M**, Sacktor N, Anderson S. The neurological phenotype of patients with HIV associated neurocognitive disorder (HAND) on antiretroviral therapy. *Stellenbosch University Academic Year Day 2018*, Cape Town, South Africa (oral presentation).
- 8. **McCaul M**. Keynote Talk. 'All breakthrough, no follow through', Evidence implementation in the post-truth world. *UCT* & *SU Emergency Medicine Research Day*, August 2018, Cape Town, South Africa (keynote).
- 9. Schoonees A, Naude CE, Volmink J. Cochrane "Packaging and Push" in action: dishing up digestible nutrition evidence. (Oral presentation). Stellenbosch University, Faculty of Medicine and Health Sciences, Academic Year Day, Cape Town, South Africa. 29 August 2018.
- 10. Ayele B. 'Pseudo-Likelihood and Estimating Equation Methodology for handling missingness in categorical data'. 60th Conference of the South African Statistical Association (SASA), Johannesburg, South Africa, November 2018 (oral presentation).
- II. Hendricks L. (2018, September). Exploring the value of systematic reviews in Psychology. 24th Annual Psychological Society of South Africa Congress, Johannesburg, South Africa, 13 September 2018. (Symposium chair and oral presentation)
- 12. **Hendricks L**. (2018, September). An overview of types of reviews. 24th Annual Psychological Society of South Africa Congress, Johannesburg, South Africa, 13 September 2018. (Oral presentation)
- 13. **Hendricks L**, **Rohwer, A**. (2018, September). A qualitative mega-synthesis of factors associated with HIV treatment linkage, adherence and retention in care in HIV positive patients. 24th Annual Psychological Society of South Africa Congress, Johannesburg, South Africa, 13 September 2018. (Oral presentation)
- 14. Wigdorowitz M, Hendricks L. (2018, September).
  . PsySSA Division of Research and Methods on using research to shape a psychologists career. 24th Annual Psychological Society of South Africa Congress, Johannesburg, South Africa, 13 September 2018. (Roundtable Discussion Chair)
- Hendricks L, Soskana, B, MacNamee, L, Chivese T. (2018, April). Classroom management through Plickers. Regional Research Colloquium: New Academics' Transitions into Higher Education, University of Cape Town, South Africa, 5 April 2018. (Oral presentation)
- 16. Naude CE. From detox diets to death: exploring the consequences of nutrition quackery. CNE, Cape Town, 2018
- 17. Naude CE, Schoonees A, Senekal M, Young T, Garner P, Volmink J. Low carbohydrate diets for reducing weight and cardiovascular risk: A systematic review and metaanalysis. SA Heart Congress, Sun City, 2018

- 18. **Nguyen KA**, Ryan-Vig S, Carter E, Eisinga A, **Naude CE**. Use of Cochrane nutrition reviews in guidelines: appraising the "payback" on investing in nutrition evidence synthesis. *FMHS Annual Academic Day*, 2018
- 19. **Jessani N**. University curricula in EIDM: Integrating best practice, innovation and experience for effective teaching and learning. *Evidence 2018 conference*, Sept 27, 2018, Pretoria, SA (Oral Presentation)

### POSTGRADUATE STUDENT SUPERVISION

- Lynn Hendricks, MSc Clinical Epidemiology (graduated). Topic: Barriers and facilitators to linkage, adherence and retention in care among HIV positive patients: An overview of systematic reviews using mega-aggregation. (Supervisor: Anke Rohwer)
- 2. Oostewalt Swart, MSc Clinical Epidemiology (graduated December 2018). Topic: The role of time delays to definitive surgical management as a risk factor for surgical site infection post appendicectomy at Worcester Hospital. Stellenbosch University. (Supervisor: **Tonya Esterhuizen**)
- 3. Natalie van Diemen, MSc Clinical Epidemiology (graduated). Topic: HIV prevalence and geographic mapping of HIV infection in Cape Town A prevalence study. Stellenbosch University. (Supervisor: **Tonya Esterhuizen**)
- 4. Annali Esterhuizen, MSc Clinical Epidemiology (graduated December 2018). Topic: Factors affecting Willingness to Present for Cervical Cancer Screening Amongst Teachers in Mbombela, Mpumalanga: A Cross Sectional Study. Stellenbosch University. (Supervisor: **Tonya Esterhuizen**)
- 5. Emmanuel Apari, MSc Clinical Epidemiology (graduated). Topic: Prevalence, Risk factors and Clinical Outcomes associated with a Delayed HIV Diagnosis in Children TB co-infection in Cape Town, South Africa: A Retrospective Cohort Study. Stellenbosch University. (Supervisor: **Tonya Esterhuizen**)
- 6. Kessendri Reddy, MSc Clinical Epidemiology ongoing. Topic: Trends in hospital-acquired bloodstream infections at a tertiary South African neonatal unit. Stellenbosch University. (Supervisor: **Tonya Esterhuizen**)
- 7. Fikile Nomvete, MSc Clinical Epidemiology ongoing. Topic: A comparative analysis between upper and lower gastrointestinal endoscopy in the evaluation of chronic diarrhoea in HIV infected individuals. Stellenbosch University. (Supervisor: **Tonya Esterhuizen**).
- 8. Shingirayi Masuko, MSc Clinical Epidemiology (graduated December 2018). Topic: Systematic survey on compliance of HIV trials protocols with SPIRIT guidelines. (Supervisor: Moleen Dzikiti)
- Neo Mohapeloa, MSc Clinical Epidemiology ongoing. Topic: Prevalence of burnout and the predominant stress management strategies: a cross sectional survey of community health workers within the Setsoto Local Municipality. (Supervisor: Moleen Dzikiti)
- 10. Ndedi Phoba, MSc Clinical Epidemiology ongoing: Prevalence and factors associated with being a victim of community assaults; retrospective review of medical records in the Accident and Emergency

- Department of Mamelodi Hospital, South Africa. (Supervisor: **Moleen Dzikiti**)
- 11. Naseef Adbullah, MPhil Emergency Medicine (UCT) ongoing. Topic: A retrospective study of the prehospital burden of trauma managed by the Western Cape government Emergency Medical Service. (Supervisor: Michael McCaul, Peter Nysulu)
- 12. Nina Evans, Masters in Nutrition ongoing Topic: Update of Cochrane review: Pine bark extract for the treatment of chronic disorders. (Supervisor: Janicke Visser, **Anel Schoonees**)
- 13. Francine Mwayuma Birungi, PhD in Public Health, University of the Western Cape ongoing. Topic: An Evaluation of Isoniazid prophylaxis treatment and the Role of Xpert MTB/RIF test in improving the diagnosis and prevention of tuberculosis in children exposed to Index Cases with Pulmonary tuberculosis in Kigali Rwanda. (Co-Supervisor: Jeannine Uwimana Nicol)
- 14. Sheena Ruzive, MSc Clinical Epidemiology ongoing. Topic: Identifying Gaps in Primary Nutrition Research from Cochrane Nutrition Reviews using the EPICOT+ Framework (Supervisor: Celeste Naude)
- 15. Shibe Mhlongo, MSc in Biostatistics graduated. Statistical methods to facilitate the comparison of the mental health status of rape exposed and rape non-exposed women one-year post enrolment: Rape Impact Cohort Evaluation (RICE) study. (Supervisor: Carl Lombard)
- 16. Shahista Jaffer, MSc Clinical Epidemiology graduated. Prevalence co- and multi-morbidity in HIV positive individuals on ART: Overview of systematic reviews. (Supervisor: **Taryn Young**)

### SUPPORTING GRADUATES TO PUBLISH THEIR RESEARCH PROJECTS

- I. Katoto PDMC, Thienemann F, Bulabula ANH, Esterhuizen TM, Murhula AB, Lunjwire PPM, Bihehe DM, Nachega JB. Prevalence and Risk Factors of Metabolic Syndrome in HIV-Infected Adults at Three Urban Clinics in a Post-Conflict Setting, Eastern Democratic Republic of Congo. *Trop Med Int Health* 2018 May 12. DOI:10.1111/tmi.13073. [Epub ahead of print] PubMed PMID: 29752857. (Supervisor: Tonya Esterhuizen)
- F Noor, CFN Koegelenberg, T Esterhuizen, EM Irusen. Predictors of treatment success in smoking cessation with varenicline combined with nicotine replacement therapy v. varenicline alone. S Afr Med J 2018;108(1):45-49. DOI:10.7196/SAMJ.2018.v108i1.12671 (Supervisor: Tonya Esterhuizen)
- 3. Milambo JPM, Cho K, **Okwundu C**, Olowoyeye A, Ndayisaba L, Chand S and Corden MH. Newborn follow-up after discharge from a tertiary care hospital in the Western Cape region of South Africa: a prospective observational cohort study. *Global Health Research and Policy* 2018;3:2. DOI:10.1186/s41256-017-0057-4 (Supervisor: **Charles Okwundu**)
- 4. Manwana ME, Mokone GG, Kebaetse M, **Young T**. Epidemiology of traumatic orthopaedic injuries at Princess Marina Hospital, Botswana. SA Orthop J 2018;17(1):41-46. http://dx.doi.org/10.17159/2309-8309/2018/v17n1a6 (Supervisor: **Taryn Young**)

### INTELLECTUAL INPUT

### Taryn Young

- Member, Cochrane Knowledge translation strategy working group, 2016 date
- Member, Best Evidence Medical Education (BEME) Board, 2015 2018
- Member, Academy of Science of South Africa, 2017 date
- Member Cochrane Africa Steering Group, 2017 date
- Advisory Group Member, Africa Centre for Evidence, University Johannesburg, 2017 date
- Member, Faculty Postgraduate Teaching committee, 2016 ongoing
- Member, Cochrane author forum, 2013 ongoing
- Member, Curriculum committee, International Society on Evidence-based Health Care, 2013 ongoing
- Chair of the Masters in Clinical Epidemiology programme, selection and bursary committees 2008 ongoing
- Member of READ-It Executive Committee, 2018 ongoing
- South African Epidemiology Association (SACEA) executive committee member, 2013 ongoing
- Invited member of the Chronic Disease Initiative for Africa, April 2014 ongoing

### Celeste Naude

- Associate Editor, Nutrition Journal, Biomed Central, 2017 ongoing
- Associate Editor, Cochrane Effective Practice and Organisation of Care Group, 2015 ongoing
- Member, Cochrane WHO Working Group, 2018 ongoing
- Co-director, Cochrane Nutrition, 2016 ongoing
- Member, Cochrane Fields Executive Committee, 2015 ongoing
- Mentor, Cochrane African Network, 2016 ongoing
- Member, Cochrane Knowledge Translation Implementation Working Groups, 2017 ongoing
- Collaborator, The Bridge Collaborative, a global coalition developing a shared evidence base for solutions that bridge inclusive development, health and environmental sustainability, 2016 ongoing
- Member, South Africa GRADE Network, 2018 ongoing
- Invited Collaborator, NutriRECS (Nutritional Recommendations and accessible Evidence summaries Composed of Systematic reviews), an independent group aiming to produce trustworthy nutritional guideline recommendations, with collaborating organizations including GRADE, AGREE, McMaster University and Cochrane Poland, 2018 – ongoing
- Invited Member, Chronic Disease Initiative for Africa, April 2014 ongoing
- Member, Ministerial Committee on Mortality and Morbidity in Children (CoMMiC), National Department of Health; Directorate: Child & Youth Health, 2015 ongoing
- Executive Committee Member, South African Epidemiology Association (SACEA), 2013 ongoing
- Member, Technical Reference Group on Healthy Eating. Western Cape Government Health, July 2014 ongoing
- Associate Editor, Nutrition Journal, Biomed Central, 2017 ongoing
- Peer reviewer, Nutrition Journal, July 2017
- Member of Scientific Committee for the 18th International Congress of Dietetics (ICDA), 15-19 September 2020, Cape Town, 2016 ongoing

### Anke Rohwer

- Methods Editor Cochrane Public Health Group, October 2014 ongoing
- Peer reviewer, BMJ Open, August 2018
- Peer reviewer, Research Integrity and Peer Review, July October 2017
- Peer reviewer, African Journal of Primary Health Care & Family Medicine, August 2018
- Lead of Teaching Methods Consultants Group, Evidence-based Research network (EVBRES)

### Moleen Zunza

- Member, International Epidemiology Association (IEA) 2014 to date ongoingg
- Human Research Ethics Committee member, Stellenbosch University, 2017 to date ongoing
- Internal examiner of Master in Clinical Epidemiology (Arthemon Nguweneza) Mass media interventions to improve uptake of childhood vaccines – a systematic review, Master in Clinical Epidemiology, Stellenbosch University, 29 October 2018

- Reviewer, Journal of international AIDS society 2016 to date
- Reviewer, Contemporary Clinical Trials communication 2017 to date
- Peer Reviewer, PLOS ONE, 2018 to date
- Peer Reviewer Trials 2018 to date
- 2018 Africa Region- International Epidemiological Association Conference 14-17 April, 2019, Maputo Mozambique, local organizing committee member
- Ph.D. committee panel member (2018 to date): Serve on different committees reviewing protocols submitted for PhD studies, from various departments in the faculty of Medicine and Health sciences at Stellenbosch University

### Anel Schoonees

- Peer Reviewer, BMC Infectious Diseases, June 2018
- Peer Reviewer, Cochrane Public Health, November 2018
- Cochrane African Network, Southern-Eastern hub coordinator and mentor, 2017 ongoing

### Tonya Esterhuizen

- Executive member, South African Clinical Epidemiology Association, (SACEA) 2013 ongoing
- Peer Reviewer, Cochrane Infectious Diseases Group, 2012 ongoing
- Peer Reviewer, Cochrane Diagnostic Test Accuracy Group, 2013 ongoing
- Member of the Masters in Clinical Epidemiology programme, selection and bursary committees, 2012 ongoing

### Lynn Hendricks

- Executive Committee Member (Chairperson, 2018), Division of Research and Methodology, Psychological Society of South Africa, 2014 – ongoing
- Scientific Committee, Psychological Society of South Africa, 2017 ongoing
- Member, American Psychological Society, 2012 ongoing
- Reviewer, African Journal of Emergency Medicine, November 2018

### Michael McCaul

- Section Editor and Reviewer, African Journal of Emergency Medicine, 2016 ongoing
- Reviewer, International Journal of Nursing Practice, 2015 ongoing
- Reviewer, Emergency Medicine Journal, 2018
- Reviewer, PLOS One, 2018
- Reviewer, BMJ Open, 2018
- Member, UCT & SU Emergency Medicine Department Research Committee, ongoing
- Member, Emergency Medicine Society of South Africa, ongoing
- Vice-president, Emergency Care Society of South Africa, ongoing
- GRADE working group member, 2018 ongoing
- G-I-N member, 2018 ongoing
- Guideline panelist: African Advanced First Aid Manual. Belgian Red-cross, CeBAP, 2018 ongoing

### Nasreen Jessani

- Vice Chair, Evidence to Action Thematic Working Group, Health Systems Global, Nov 2016 ongoing
- Advisory Board, Knowledge Translation and Dissemination Advisory Committee, AcademyHealth, Jun 2013 present
- Advisory, Design and delivery, Evidence, decisions and debates in the 21st century: what is the role of Emerging Voices
  of Global Health? Emerging Voice for Global Health Program held at the Liverpool School of Tropical Medicine in
  partnership with IPH, India, Sep—Oct 2018
- Proposal Review committee External Expert: Wellcome Trust Policy Engagement Awards, Dec 2018/Jan 2019
- Academic journal peer reviewer, BioMed Central
- Academic journal peer reviewer, Health Research Policy and Systems
- · Academic journal peer reviewer, Health Policy and Planning
- Member, Emerging Voice for Global Health
- Member, Health Systems Global
- Member, Delta Omega Alpha National Honour society
- Member, AcademyHealth
- Member, International Development Evaluation Association, AIMEnet HIV/AIDS Monitoring & Evaluation Network
- Member, Africa Evidence Network

### Kim Nguyen

- Member of International Society of Cardiovascular Disease Prevention (ISCEP), since 2015
- Member of Society for Endocrinology, Metabolism and Diabetes of South Africa, since 2018
- Peer reviewer: NS Public Health Nutrition, 2013 ongoing
- Peer reviewer: BMC Diabetology and Metabolic Syndrome, 2017 ongoing

### Mweete Nglazi

• Member, Public Health Association of South Africa, 2015 – ongoing

### Carl Lombard

- Associate Editor of the International Journal of Tuberculosis and Lung Disease
- Associate Editor of the South African Statistical Journal
- Member of the Review Panel for the Post Graduate Student Project Competition of the South African Statistical association
- External examiner for MSc thesis in Biostatistics for University of Kwazulu-Natal
- External examiner for graduate and post graduate Biostatistics Course at the University of Kwazulu Natal
- External examiner for Post Graduate course in Multivariate Analysis for the University of the Western Cape
- Co-opted member of the MRC/DFID/NIHR/WT Joint Global Health Trials (JGHT) Committee
- Trial Steering Committee Member of the TB-CHAMP study: Tuberculosis Child Multidrug-Resistant Preventive Therapy Trial
- Trial Steering Committee Member of the TB-CHAMP study: Tuberculosis Child Multidrug-Resistant Preventive Therapy Trial

### Jeannine Uwimana Nicol

- Member of the HIV/TB Working Group, The Union against TB and lung diseases, 2012 ongoing
- Member of the STOP TB Partnership Network on Tuberculosis, 2011 ongoing
- Member of the Health Systems Research Global (HSG), 2012 ongoing
- Emerging voice for Global Health, Mentor, 2013 ongoing
- Member of the Social Impact committee, Faculty of Medicine and Health Sciences, Stellenbosch University
- Member of the Public Health Association of South Africa (PHASA), 2009 ongoing
- Member of the Rwandan Palliative Care Association, 2004 ongoing
- Member of the Rwandan Association of Physiotherapists, 2000 ongoing

### Birhanu Ayele

- Advisory Board, Ethiopian Statistical Association (2017 )
- $\bullet$  Elected member of the International Statistical Institute (ISI) (2015 )
- Master in Biostatistics programme, selection and bursary committee
- Fellow of the Ethiopian Public Health Association
- Peer Reviewer, Journal of Applied Statistics
- Peer Reviewer, Global Health Action
- Peer Reviewer, PLOSONE
- Peer Reviewer, Journal of Ethiopian Statistical Association
- Peer Reviewer, Journal of Health Behaviour and Public Health

### Marianne Visser

Reviewer, Journal of Paediatrics

## TEACHING SESSIONS / LECTURES / WORKSHOPS

### **UNDER- AND POSTGRADUATE PROGRAMS**

Staff convened 10 masters modules of the MSc Clinical Epidemiology, served as examiners and facilitated various teaching sessions.

Program	No. of Sessions
Undergraduate	35
Nursing (Honours programme)	12
Postgraduate certificate in Health Technology Assessment (Online course)	Online facilitation of the EBHC component of the course
MSc Clinical Epidemiology	78
Postgraduate nutrition and dietetics students at the University of Cape Town	1
Pre-doctoral Short Course Programme	3

### CONTINUING PROFESSIONAL DEVELOPMENT: PRESENTATIONS, SEMINARS & WORKSHOPS

### Lectures and presentations

- Hendricks L., Young T., Begg K. (2018, March). SUCCEED Symposium. All SUCCEED beneficiaries included, grantees, students, academics, researchers, government stakeholders and health care workers. East London, Eastern Cape, 27 March 2019.
- Hendricks L. (2018, May). Short Course in Clinical Research Skills Searching the literature & Managing references (Short course in clinical research skills). Cape Town, 28 May 2019.
- Hendricks L. (2018, July). Short Course in Clinical Research Skills Qualitative Research Concepts, Stellenbosch University Research and Development Office. Cape Town, 30 July 2019.
- Hendricks L. (2018, July). Short Course in Clinical Research Skills Mixed Methods Research, Stellenbosch University Research and Development Office. Cape Town, 30 July 2019.
- Schoonees A. Design and Critical Appraisal of Case-control
- Schoonees A. (2018 Nov). Workshop: An introduction to evidence-informed health-care decision making. Presentations: Phrasing clear questions. Searching for relevant research. Pretoria, 1 November 2018
- McCaul M. Writing a literature review Research Protocol writing workshop
- Naude C. Short course in clinical research skills: Developing a Good Research Question

### Workshops

- Hendricks L. (2018, March). Protocol Development. Delegates included academics, researchers and government staff and directors. Mthatha, Eastern Cape, 7-9 March 2018.
- Jessani N and Hendricks L. (2018, March). The Art, Science and Complexity of Knowledge Translation. Delegates included academics, researchers and government staff. Cape Town, 14-15 March 2018.
- Jessani N and Hendricks L. (2018, June). The Art, Science and Complexity of Knowledge Translation. Delegates included academics, researchers and government staff. Cape Town, 20-21 June 2018.
- Hendricks L. (2018, July). Protocol Development Writing Retreat. Delegates included academics, researchers and government staff and directors. Mthatha, Eastern Cape, 3-6 July 2018.
- Jessani N and Hendricks L. (2018, November). The Art, Science and Complexity of Knowledge Translation. Delegates included academics, researchers and government staff. Cape Town, 30 October-1 November 2018.
- McCaul M and Rohwer A. EBHC Awareness raising workshop. Kenya, Kilifi, 23 July. @ KEMRI with about 40 participants
- McCaul M and Rohwer A. Primer in Systematic Reviews workshop. Kenya, Kilifi, 24-27 July. @ KEMRI with about 30 participants

### **OUR TEAM**

The work of the CEBHC is supported by an excellent team of full-time and part-time staff as well as external staff appointed as extra-ordinary staff.











### 1. Prof Taryn Young

Taryn, MBChB, FCPHM, MMED, PHD. Director of the Centre for Evidence-based Health Care and consultant to the Cochrane South Africa, is an epidemiologist with a specialist degree in public health and considerable expertise in the field of evidence-based health care. She coordinates international collaborative projects which facilitate the use of best evidence in healthcare policy and practice, and has conducted many systematic reviews and provided intensive training, mentorship and editorial support to authors of Cochrane and other systematic reviews. Integral to her work is the co-ordination and evaluation of training programmes for under- and postgraduate students in public health and epidemiology, evidence-based healthcare and research synthesis nationally and in the African region.

### 2. Dr Celeste Naude

PhD (Nutritional Sciences), MNutr (cum laude); BScDiet. Celeste is a registered dietician (SA;UK) and senior researcher at CEBHC, and Co-director of Cochrane Nutrition. Her academic interests and experience include evidence-informed decision-making in policy and practice for nutrition, health and other sustainable development outcomes. Celeste is involved in African and international research networks via Cochrane and the Research, Evidence and Development Initiative (READ-It). She collaborates on the conduct of systematic reviews and projects related to evidence-informed decision-making. Celeste is an Associate Editor of Cochrane EPOC and Nutrition Journal (BMC), a member of the SA GRADE Network, the Chronic 5. Prof Peter Nyasulu Disease Initiative for Africa, NutriRECS, and the Department of Health's Ministerial Committee on Mortality and Morbidity in children. She is a peer-reviewer for national and international journals, and a post-graduate supervisor.

### 3. Dr Anke Rohwer

Anke is a senior researcher at the Centre for Evidence-based Health Care. She has a background in midwifery (BCur) and Clinical Epidemiology (MScClinEip) and graduated with a PhD in Public Health in March 2018. As part of her PhD, she investigated perceived and actual health research reporting practices related to authorship, conflicts of interest and plagiarism in low-and middle-income countries. Her other research activities include conducting systematic reviews on the effects of interventions, systematic reviews of qualitative research, overviews of systematic reviews and scoping reviews. Anke is particularly interested in systematic review methodology and currently acts as a methods editor for Cochrane Public Health. In addition to conducting research, Anke develops and implements training on evidence-based health care and public health, systematic reviews and research integrity for students and healthcare professionals at various levels in South Africa and various other African countries. She supervises Master's students and mentors novice systematic review authors.

### 4. Dr Eleanor Ochodo

Eleanor is a senior researcher and Wellcome Trust research fellow at the CEBHC. She qualified as a medical doctor from the University of Nairobi, Kenya (MBChB). She also holds a postgraduate certificate in Infectious Diseases from the University of Edinburgh (UK), an MSc in International Health from the Free University of Amsterdam (Vrije Universiteit) and a PhD in Clinical Epidemiology from the University of Amsterdam, The Netherlands. Her research revolves around evidence-based medicine with a focus on diagnostic tests and markers, specifically their accuracy, impact and how their results can be translated to policy and practice.

PhD MScMed MACE: An Infectious Diseases Epidemiologist in the Division of Epidemiology & Biostatistics, Department of Global Health, within the Faculty of Medicine and Health Sciences. He is a Member of American College of Epidemiology and have a passion for mentorship and capacity building of future research leaders in control of infectious diseases in sub-Saharan Africa. Our training programs at Stellenbosch University create an exciting platform for research and development through harnessing creativity and innovative approaches in problem solving.











### 6. Ms Anel Schoonees

Anel is a full time researcher at the Centre for Evidence-based Health Care, Stellenbosch University (South Africa), and is a member of Cochrane Nutrition's coordination team. She has a background in Food Science and in Dietetics, and holds Master's degrees in Nutrition and in Clinical Epidemiology. Anel conducts systematic reviews and is involved in other 9. Prof Rhoderick Machekano research activities, including priority-setting for reviews; teaches systematic reviews and evidence-based health care to undergraduate and postgraduate students, as well as to healthcare professionals and other decision-makers; and is involved in knowledge translation activities to promote the uptake of evidence from systematic reviews by stakeholders.

### 7. Mr Michael Mccaul

Michael is a senior lecturer within the Division of Epidemiology and Biostatistics. He has a clinical background as a paramedic, has a MSc in Clinical Epidemiology and is competing his PhD in Public Health at Stellenbosch University. His roles include teaching, research, student supervision, knowledge translation, biostatistical consulting and postgraduate module coordination and development. Michael's primary interests lies in strengthening guideline development methods, evidence synthesis and biostatistics. Michael has been involved in various national and regional emergency care guidelines, is a peer-reviewer for national and international journals and an international journal section editor.

### 8. Ms Tonya Esterbuizen

Tonya has an honours degree in biochemistry and immunology and an MSc in Epidemiology from the London School of Hygiene and Tropical Medicine. She has 16 years experience as a biostatistician and is passionate about improving the quality of research and empowering students in research methodology. She provides biostatistical consulting, participates in collaborative research, and teaches and supervises students on both under- and postgraduate level. She works with local and international Cochrane Review authors and groups, assisting in the preparation of statistical methods in review

protocols and meta analysis of data. She is a statistical reviewer for the Cochrane Infectious Diseases group and a reviewer for the Health Research Ethics Committee at Stellenbosch University. Tonya has many collaborative publications in applied biostatistics and epidemiology, in various health disciplines.

Rhoderick holds a PhD in Biostatistics and a MPH in Epidemiology and Biostatistics. He is currently the Head of the Biostatistics Unit where he leads the development of biostatistics capacity building at Stellenbosch FMHS. His duties include managing the Unit, teaching, biostatistical consulting, research collaboration, and mentoring of postgraduate students. He has worked in public health for over 20 years, focusing on designing and evaluating HIV/ AIDS/STIs interventions in both developed and developing countries. Over the course of his professional career, he has acquired valuable skills in translating research into policy, exercising his ability to transform data into knowledge. He has published modestly in reputable scientific journals.

### 10. Ms Lynn Hendricks

Lynn is a Research Psychologist and Epidemiologist who holds a BSc Psychology from Freed-Hardeman University, United States, a dual MA Research Psychology degree from the University of the Western Cape and Oslo University, and an MSc in Clinical Epidemiology from Stellenbosch University. She is an executive member for the Psychological Society of South Africa and engages in promoting the decolonisation of research methods and academia. Her responsibilities at the Centre for Evidence-based Health Care include teaching, mentoring, designing, and conducting qualitative systematic reviews and participatory research studies. Her research interests include arts based research, academic activism, qualitative synthesis and mixed methods research. She is currently a joint PhD Global Minds Scholar between Stellenbosch University and the Qualitative Inquiry Team, Centre for Sociological Research at KU Leuven, Belgium.

### **OUR TEAM** Continued













### 11. Dr Moleen Zunza

Moleen qualified as a nurse in 2004 at the Moleen, BScNS, BCom Applied Statistics, MSc Clinical Epidemiology, MSc Biostatistics, PhD, is a trained epidemiologist - biostatistician. Her work involves many diverse roles – I) conducting primary and secondary research, 2) biostatistics collaboration, 3) capacity building and 4) teaching. Her primary research interests include: design and analysis of observational studies, and clinical trials using both the classical and bayesian approaches. Her goals are to contribute to a society by generating research evidence for policy formulation and guiding clinical practice decision making, especially in people who are disproportionally affected by HIV/AIDS.

### 12. Dr Mweete Nglazi

Mweete joined the Centre of Evidence Based Health Care in December 2016 as a Researcher. She is involved in the SUCCEED and SCAPIR projects. Her current research interests are in HIV and TB, as well as non-communicable diseases. She obtained a BSc in Microbiology at the University of Zambia and MPH from the University of Cape Town. Her skills and expertize include operational research and quantitative research methodologies. Previously, she was a Senior Scientist at the MRC Burden of Disease Research Unit. Prior to this, she was a Senior Operational Research Fellow at the International Union against Tuberculosis and Lung Disease, and a Research Data Manager at the Desmond Tutu HIV Foundation, where she produced various first-authored publications.

### 13. Mrs Traci Naidoo

Traci is the project manager at the Centre for Evidence-based Health Care. She is responsible for coordinating the day-to-day running of the Centre as well as organising various workshops and seminars. She also does the marketing of the Centre, including updating the Facebook page, Twitter feed and website.

### 14. Ms Liesel Esterbuizen

Liesel is the project manager for the Biostatistics Unit. She is responsible for the day-to-day running of the Biostatistics Unit and also for all the logistics regarding the Biostatistics Unit and their activities. She is also responsible for the administration of the MSc Biostatistics as well as organizing various workshops and seminars.

### 15. Mrs Anthea Henry

Anthea is the administrator for the MsC Clinical Epidemiology, MsC in Epidemioloy and PhD in Epidemiology programmes.

### 16. Dr Carl Lombard

Carl is a Senior Biostatistician. He has been involved in the design, analysis, reporting and training in pragmatic trials and surveys at national, provincial and local community settings in South Africa. He also has experience in the evaluation of national programs in South Africa such as the HIV antenatal survey and the MTCT program. He has experience in the data management requirements to ensure the integrity of the data used for inference is valid and complete within the sampling and testing done in the field as well as experience of pragmatic trials in HIV,TB and NCD care and prevention including mental health. In total he has more than 30 years of experience working in the field of biostatistics and has collaborated on many training workshops related to biostatistics, research methodology and pragmatic trials.

### 17. Dr Birbanu Ayele

Birhanu holds MSc and PhD degrees in Biostatistics from Hasselt University, Belgium. His specializations and research interest include development of efficient methodologies for handling of missing data, infectious disease modelling, correlated and survival data analysis. Birhanu is involved in coordinating the MSc Biostatistics program, teaching, supervision and consultancy. He is also involved in various collaborative researches. Birhanu is elected member of the International Statistical Institute (ISI) and former president of the Ethiopian Statistical Association (2015-2017).













### 18. Dr Jeannine Uwimana-Nicol

Jeannine is a senior researcher at the CEBHC. She qualified as a physiotherapist from the University of Rwanda. She also holds a postgraduate certificate in International Health from the University of Oslo (Norway), an MSc in Physiotherapy and a PhD in Public health from the University of the Western Cape. Her areas of interest are Evidence-based Public Health, Non-communicable diseases, Knowledge translation, HIV and TB, health systems research and maternal and child health. She is currently involved in the CEBHA+ project where she is working on systematic reviews on integrated models of care for diabetes and hypertension in LMICs, Integrated models of care on chronic diseases and conducting a situational analysis on the risk factors for diabetes and hypertension in South Africa. She is also involved in teaching and supervision of postgraduate students. She also involved with the School of Public Health, University of Rwanda as a visiting lecturer. She has authored and co-authored papers in peer-reviewed journals, disseminated research findings at international and national conferences, symposiums, and workshops.

### 19. Dr Nasreen Jessani

Nasreen is a senior researcher at the CEBHC responsible for capacity strengthening in evidence-informed decision-making (EIDM) and knowledge translation (KT). Her focus is on health policy and systems research (HPSR) endeavors that include evidence to policy and practice activities across the continent. She focuses on the nexus between HPSR; innovations in evidence-informed policy and practice; and the relationship between academia and public policy. In addition to being faculty at the Johns Hopkins School of Public Health and at Stellenbosch University, she is the head of strategy for the Africa Evidence Network at the Africa Centre of Evidence and provides capacity strengthening support to WHO partners globally on KT. Nasreen previously served on WHO/FERG's Knowledge Translation and Policy Group, is currently on the advisory board for AcademyHealth's Translation and Dissemination Institute, and is Vice-Chair of the Evidence to Action Thematic Working Group for Health Systems Global. Her institutional experiences at are complemented with her regional involvements in Kenya, UAE, Bangladesh, Pakistan, Malawi, Zambia, Thailand, Vietnam, Canada and Senegal. Nasreen holds a DrPH. from Johns Hopkins University, an MSPH from the University of North Carolina, Chapel Hill, and a BSc from McGill University, Canada.

### 20. Dr Kim Nguyen

Kim is a medical doctor with a passion for research. She obtained a master's degree in Maternal and Child Health (2011) and a PhD in Medicine (2017) at the University of Cape Town. Her research interests lie in epidemiology of non-communicable and cardio-metabolic diseases relating to nutrition. Kim currently involves in evidence synthesis and knowledge translation activities of Cochrane nutrition field as a Post-doctoral Fellow.

### 21. Dr Marianne Visser

Marianne is a part-time senior researcher and registered dietician with a Master's degree in epidemiology and a PhD (public health) from the University of Cape Town and the University of the Western Cape, respectively. She conducts systematic reviews and other methodological research related to public health nutrition. As member of Cochrane nutrition, she is involved in a number of knowledge translation activities, promoting and disseminating nutrition evidence. She is a postgraduate examiner and a peer-reviewer for national and international journals.

### 22. Dr Rhodine Hickman

Rhodine is a medical officer and holds a MSc in Clinical Epidemiology from Stellenbosch University. She is currently working as part of the author team on Cochrane reviews in the HIV and TB field. She has a keen interest in systematic review methodology especially in the Infectious Diseases speciality.

### **EXTRAORDINARY STAFF APPOINTMENTS**

The work of the CEBHC is also supported by the following extraordinary staff:

- Prof Charles Wiysonge
- Prof Lehana Thabane
- Prof Paul Garner
- Prof Lawrence Mbuagbaw Prof Olalekan Uthman
- Mr Tawanda Chivese



The achievements of the CEBHC are made possible by the excellent team.







### **Prepared by:** T Young, T Naidoo

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