

Centre for
Evidence
Based
Health
Care

Centre for Evidence-based Health Care

ANNUAL REPORT

2020



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STELLENBOSCH
UNIVERSITY

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FACULTY OF MEDICINE & HEALTH SCIENCES,
STELLENBOSCH UNIVERSITY, SOUTH AFRICA

2020

CONTENTS



DIRECTOR'S MESSAGE	2
TRIBUTE: PROF BIRHANU AYELE	4
OVERVIEW	6
GOVERNANCE	7
OUR GUIDING PRINCIPLES	8
Our Vision	8
Our Mission	8
Our Values	8
OUR STRATEGIC OBJECTIVES	9
Address policy and practice needs in South Africa and Africa, and enhance the use of best available evidence	10
Make timely contributions to knowledge gaps in health care by carrying out and promoting systematic reviews that are Africa-relevant and rigorous	12
Enhance knowledge, skills and practices of key stakeholders in evidence-informed health care	16
Cultivate diverse, strong and effective partnerships	18
Foster a professional environment that is collaborative, intellectually stimulating and sustainable	22
OUR TEAM	24
RESEARCH OUTPUTS	25
Peer-reviewed publications	25
Chapters in books	27
International presentations	27
National presentations	27
Postgraduate student supervision	28
Supporting graduates to publish their research projects	30
INTELLECTUAL INPUT	32
TEACHING SESSIONS	35
Sessions facilitated for undergraduate programmes	35
Sessions facilitated for postgraduate programmes	35
FUNDING	36

“*This year required agility, acceptance, patience and a willingness to adapt to a new way of life.*”

A MESSAGE FROM THE DIRECTOR

Prof Taryn Young

DAMIEN SCHUMANN

What a year! In mid-March COVID-19 was declared a National disaster, and on the 23rd of March, South Africa went into a hard lockdown for five weeks to enable the country to prepare for the pandemic.

We spent the year under varying levels of lockdown and transitioned to working from home, e-learning, online meetings, wearing masks, social distancing, home schooling, and so much more. We were all affected by the pandemic on so many levels.

In response to the national and international need for evidence, on the prevention and treatment of COVID-19, we stepped up and conducted rapid evidence syntheses, advocated for use of research evidence, responded to media enquiries, trained journalists on epidemiology concepts, and collaborated nationally and internationally to reduce duplication of research and guideline efforts. The team worked hard – taking on increased responsibilities while maintaining ongoing research, supervision and mentorship,

and adapting teaching and learning to online offerings. We continued to align our activities with the strategy of the Department of Global Health and that of the Faculty and worked collaboratively with the other units (Figure) within the Department of Global Health and in the Faculty.

We wish to express our gratitude to the Faculty of Medicine and Health Sciences, the CEBHC Advisory Committee, our extraordinary staff, our funders, and collaborators.

My special appreciation goes to our incredible team who lives our values in everything they do. This annual report reflects their dedication and commitment. I am honoured to be part of the team.



Division of Health Systems and Public Health

Division of Human Nutrition

Division of Epidemiology and Biostatistics

African Cancer Institute

Institute of Life Course Health Research

Centre for Evidence Based Health Care

Ukwanda Centre for Rural Health

Centre for Disability & Rehabilitation Studies

Centre for Global Surgery



'He impacted the lives of many students, colleagues, and friends through his inspiration and commitment to advancing Biostatistics in Africa.' ”

Tribute

PROF BIRHANU AYELE

Respected scholar, valued colleague, researcher, collaborator, mentor, and friend

It is with deep regret and sadness that we pay tribute to our colleague and friend, Prof Birhanu Ayele, who passed away in February 2021. He joined our team in 2018. He coordinated the MSc Biostatistics programme, collaborated on various research projects, and provided consultation on biostatistics, mentorship and support.

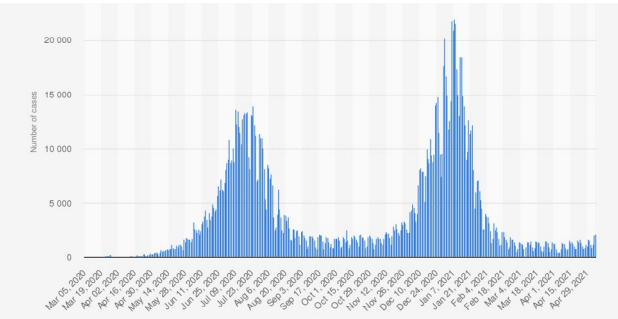
His passion for biostatistics was evident in the way he enthusiastically shared his knowledge with colleagues and students. Birhanu extended his support not just to students and staff in the Division of Epidemiology and Biostatistics, but also to other Departments within the Faculty, where he provided statistical support, guided methodological approaches to different projects as well as coached and mentored students in the Department of Global Health.

He was an active member in the ethics committee as well as the postgraduate committee in our Department. Many colleagues in our faculty COVID-19-research response team described Birhanu as friendly, committed, supportive, highly analytical, well rounded methodically and very passionate about advancement of statistical knowledge and skills in South Africa and the African Region. He was involved in many other projects including numerous grant applications that we submitted for COVID-19 related research. Birhanu was an icon of statistical methodology, exceptionally knowledgeable and very advanced in his approach to solving statistical problems.

We shall remember his kind words, his warm smile, and his helpful hand. We shall remember his love for only Ethiopian coffee and his commitment to his country. We shall remember his generous nature and we shall remember his brilliant mind. We shall remember his love for his family. Words cannot describe how we all feel at this time. He left a deep gap which will be sorely felt in the Division, the Faculty and the African Region.

OVERVIEW

The Centre for Evidence-based Health Care (CEBHC) is a coordinating and directive centre for research and training at 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 multipronged strategies to increase uptake of evidence into policy and practice to impact the United Nations' Sustainable Development Goals, especially Goal 3.



In 2020 the COVID-19 pandemic shaped everything we did. The pandemic had a massive impact globally. On the 5th of March 2020 the first case was confirmed in South Africa and in mid-March 2020 COVID-19 was declared a National disaster. On the 23rd of March 2020, South Africa went into a hard lockdown for five weeks to enable the country to prepare for the pandemic. Since then, we faced two waves of infections. By the end of 2020 there were more than 1,1 million laboratory confirmed cases and 29 577 deaths due to COVID-19.

Key accomplishments in 2020

- We responded to the pandemic in many different ways: new research to inform the COVID-19 response, promoting the use of research evidence, media responses, case and contact tracing, developing and driving practice guidance, modifications and enhancements to teaching and learning to continue our academic offering, ongoing mentorship and support for postgraduate research.
- We are recognised by others for our leadership in evidence synthesis, teaching and knowledge translation.
- We focused on high impact reviews and in promoting leadership in evidence synthesis.
- We influence Cochrane on many fronts – we co-lead Cochrane Nutrition and the Southern-Eastern Hub of Cochrane Africa; we are members of Cochrane Knowledge Translation, Cochrane WHO strategic groups and the Cochrane Africa steering group; we serve as Cochrane editors and lead, as well as co-author, numerous Cochrane reviews.
- We co-lead the South African GRADE Network.
- In 2020 we published many peer reviewed journal articles, gave international and national conference presentations, and participated in many webinars.
- Staff supervised and provided methodological mentorship and support to various postgraduate students and postdoctoral research fellows.
- Postgraduate students supervised by Centre staff graduated, input to under- and postgraduate programmes continued and we implemented various workshops and seminars to advance EBHC knowledge and skills.
- Secured new grants to support programme of work.
- Our dedicated team worked from home. We made time to reflect, learn and grow together. A culture that supports work-life balance and teamwork contributes to an enabling environment for the team to live the values of the Centre.

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 an Advisory Committee.



ADVISORY COMMITTEE

The committee provides strategic oversight and direction to the Centre.

Advisory Committee members

- Dr Tania Brodovcky, *Manager of Research Capacity Development and Funding*
- Dr Angela Dramowski, *Department of Paediatrics*
- Dr Therese Fish, *Vice-Dean Clinical Services and Social Impact*
- Dr Krish Vallabhjee, *Provincial Department of Health*
- Prof Jimmy Volmink, *Dean of the Faculty of Medicine and Health Sciences*
- Prof Taryn Young, *CEBHC Director*
- Dr Rose Oronje, *The African Institute for Development Policy (AFIDEP)*
- Dr Marina Joubert, *Centre for Research on Science and Technology (CREST)*
- Ms Sandhya Singh, *National Department of Health*

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.

OUR GUIDING PRINCIPLES

OUR VISION

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

OUR MISSION

To be a Centre of Excellence in Africa in evidence synthesis and knowledge translation in health, through innovation, collaboration and distinction in research.



OUR VALUES

Integrity:

Sound moral and ethical principles that serve as foundations for trust, honesty and transparency, and for building effective relationships

Collaboration:

Effective engagements and teamwork through sharing of ideas and skills, and fostering original thinking, innovation and continuous learning

Accountability:

Accepting the highest level of responsibility for our actions

Relevance:

Striving for outputs that are important, current, applicable, useful and meaningful to people making decisions about health care

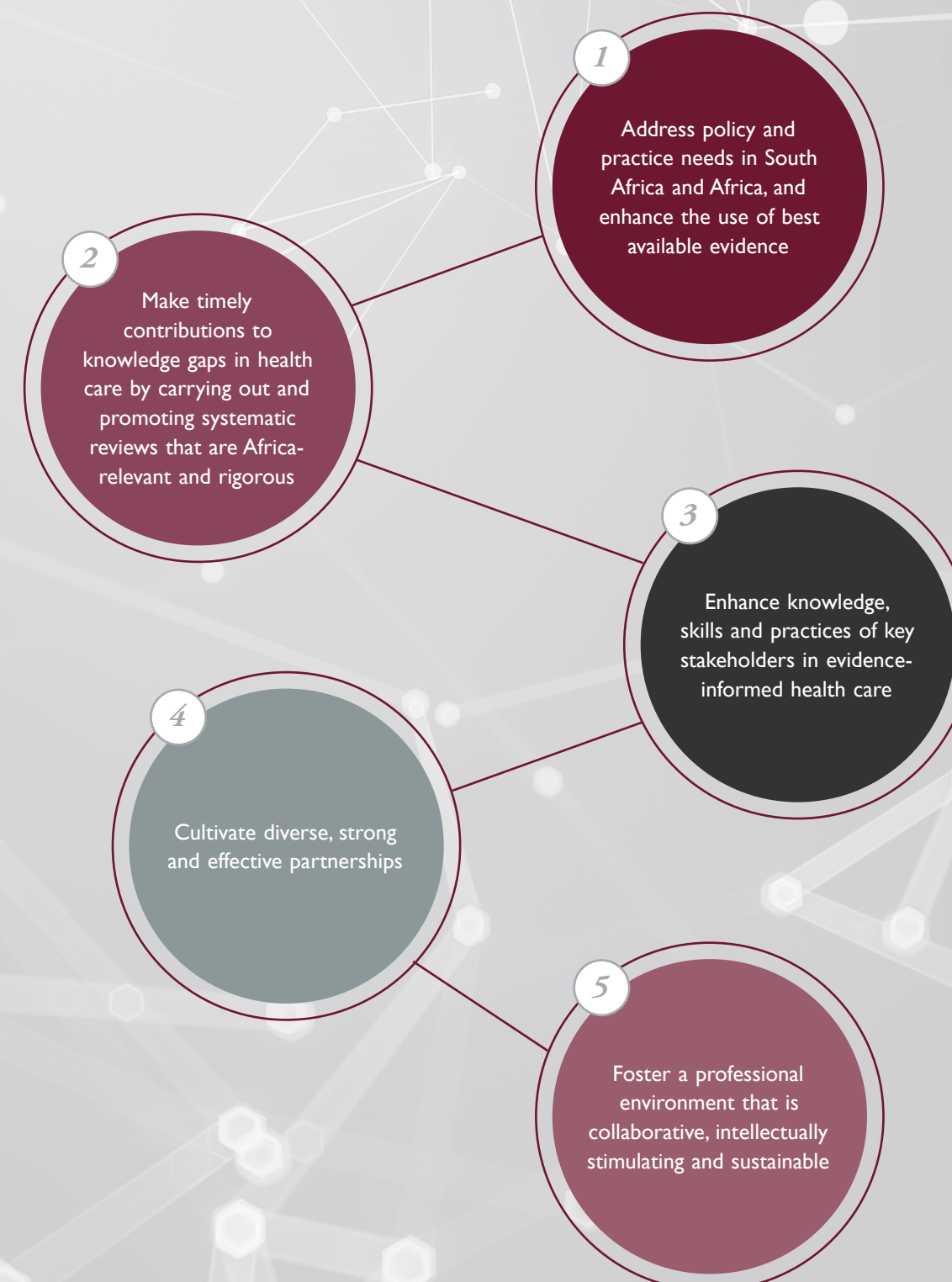
Excellence:

Academic freedom to pursue knowledge that adheres to the highest standards of integrity, renewal and relevance

Equity:

Restitution in response to our past legacy and fairness in our aspirations

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 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 level and with the World Health Organisation (WHO), contribute to guideline development and focus on conducting reviews on relevant topics. We have demonstrated through our collaborative projects how these timely, well-conducted systematic reviews influence policies. Rigorous systematic reviews include an assessment of the certainty of the evidence, and highlight research gaps.

PRODUCING REVIEWS INFORMING WHO GUIDELINES

In 2020, CEBHC team members were involved in producing one scoping and nine systematic reviews that have or will be taken up directly into World Health Organisation (WHO) guideline development processes, run from the WHO Headquarters in Geneva, Switzerland. The CEBHC team members produced reviews in the areas of postnatal care, HIV treatment, HIV diagnostics, tuberculosis screening, school food and nutrition policies and low sodium salt substitutes. Systematic reviews, and the guidelines (and recommendations) arising from them, form the basis of evidence-based healthcare. WHO systematic review and guideline development methods adhere to systematic and transparent processes. They require amongst other components, the use of GRADE (Grading of Recommendations Assessment, Development and Evaluation), which is a well-developed formal process to rate the certainty of scientific evidence in systematic reviews and to develop recommendations in guidelines that are based on the best available evidence.

A WHO guideline is any document developed by the WHO containing recommendations for clinical practice or public health policy. A recommendation tells the intended guideline end-users what they can or should do in specific situations to achieve the best health outcomes possible, individually or collectively.

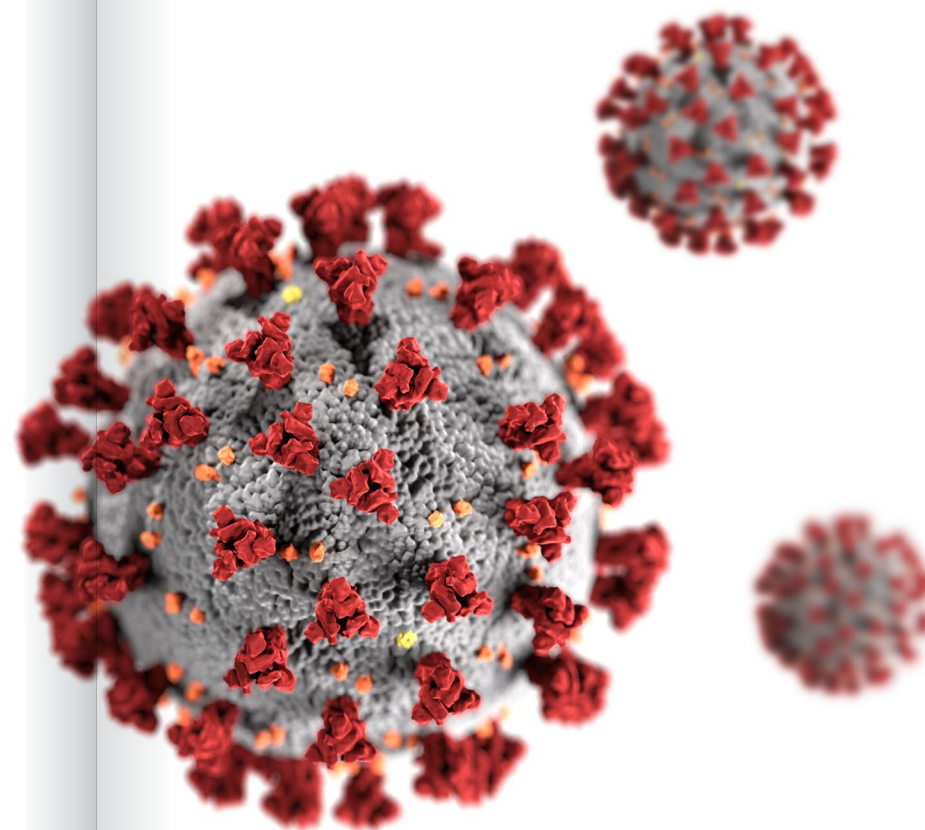
KNOWLEDGE TRANSLATION IN ACTION

Linking evidence to action – whether policy, practice, advocacy or media – is an important part of ensuring evidence-informed decision-making. During 2020, the CEBHC has played an active bridging role.

Below are several of our activities that encompass this value:

- 1 The COVID-19 pandemic is an example of the role of evidence but also the role of individuals and institutions being the bridge between evidence and action. We engaged with the National Department of Health and co-produced several rapid reviews on COVID-19 treatment and prevention for the South African Government that were used as input for COVID-19 guidelines and practices over 2020. <http://www.health.gov.za/covid-19-rapid-reviews/>
- 2 Engaging with the media was important in ensuring that COVID-19 information was understood and shared in a useful and accurate manner. We not only responded to media requests, we also joined Bhekisisa (<https://bhekisisa.org/>) and McGill University in training journalists in key epidemiology concepts. Sixty-three journalists from 18 African countries, including Ethiopia, Senegal, Ghana, Egypt, Namibia, Zimbabwe, Kenya and South Africa, attended. During these sessions, journalists were introduced to issues around bias in epidemiologic research, different types of study designs, the hierarchy of scientific evidence along with tips on thinking critically about medical research - to help make them more critical consumers, and thus reporters, of science outputs like research studies and trials.
- 3 The 2030 Agenda for Sustainable Development recognises Non-Communicable Diseases (NCDs) as a major challenge for sustainable development. Evidence-informed decision-making is at the core of addressing the impact of NCDs and in advancing progress to achieving the SDGs, as well as aspirations for the African continent elaborated in Agenda 2063. Through the CEBHA+ project, we engaged multiple times with key decision makers on interventions for NCDs and the relevance of our research for policy and practice. We produced three issue briefs on various NCD topics for consideration by the government. Our unique embedding of integrated knowledge translation into the CEBHA+ project was presented at three conferences: two in South Africa and one in the USA.
- 4 On 4 March 2020 we convened a symposium of NCDs in order to bring together multiple actors in the NCD arena to share, discuss and shape NCD decision-making as well as research and networking. The National NCD Research Symposium was an opportunity to bring together researchers, policymakers and practitioners to exchange knowledge on prevention and treatment of diabetes, hypertension, cardiovascular disease risk factors, and related mental health conditions; identify the gaps in the knowledge base; and discuss implications for healthcare policy and practices. It was an opportunity for engagement, networking, dialogue with the overall goal of making an impact on health outcomes.

Through all these activities in 2020, the CEBHC has embodied multiple key principles of Knowledge translation – we have engaged with stakeholders, produced evidence in a timely and relevant manner, disseminated information, convened partners and provided training. We endeavor to continue – or even surpass – these diverse activities in 2021!

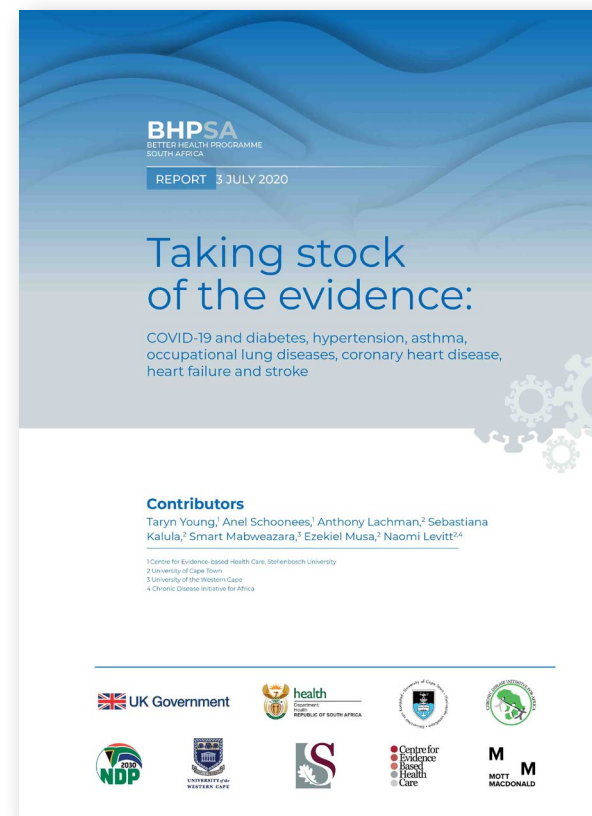


Make timely contributions to knowledge gaps in health care by carrying out and promoting systematic reviews that are Africa-relevant and rigorous

CONDUCTING HIGH IMPACT REVIEWS

- The Research, Evidence and Development Initiative (READ-It): evidence synthesis for sustainable development project represents continued support to the Evidence Ecosystem portfolio in health related to diseases of poverty, through Cochrane and related organisations relevant to the Foreign, Commonwealth and Development Office (FCDO), global and national health systems. We are focusing on high impact reviews and on promoting leadership in evidence synthesis. www.evidence4health.org
- We conducted a rapid review on the transmission of respiratory viruses when using public ground transport to inform public health recommendations during the COVID-19 pandemic which was published in the South African Medical Journal. Findings from this review informed the guidance put forward by the College of Medicine of South Africa.
- We collaborated with other evidence synthesis producers worldwide to share experiences in conducting rapid reviews. Published in the Journal of Clinical Epidemiology, the commentary piece outlines key challenges in conducting rapid reviews across eight key evidence synthesis steps. The paper offers several suggestions to help address the methodological challenges encountered during the conduct of rapid reviews for future research and especially for COVID-19. Input to this commentary was led by Dr Michael McCaul.

- We conducted a rapid review of international research, and experiences on risk, screening, management and support of people with COVID-19 and diabetes, hypertension, asthma, occupational lung diseases, coronary heart disease, heart failure and stroke. This rapid review was developed to inform the South African COVID-19 response. Findings were also presented during COVID-19 Webinar on the Evidence base on NCD comorbidities and COVID-19 and implications for policy and programming in South Africa. This webinar was organised by the Better Health Programme, the National Department of Health and the South Africa WHO Country Office.



COVID-19 & NCDs evidence guidance report July 2020

In 2020

We Published



33

PEER-REVIEWED
JOURNAL ARTICLES



1

BOOK CHAPTER

We Gave



10

INTERNATIONAL
CONFERENCE
PRESENTATIONS



14

NATIONAL
CONFERENCE
PRESENTATIONS

We supervised and provided methodological mentorship and support to



8

PHD
STUDENTS

23

MASTER'S
STUDENTS

1

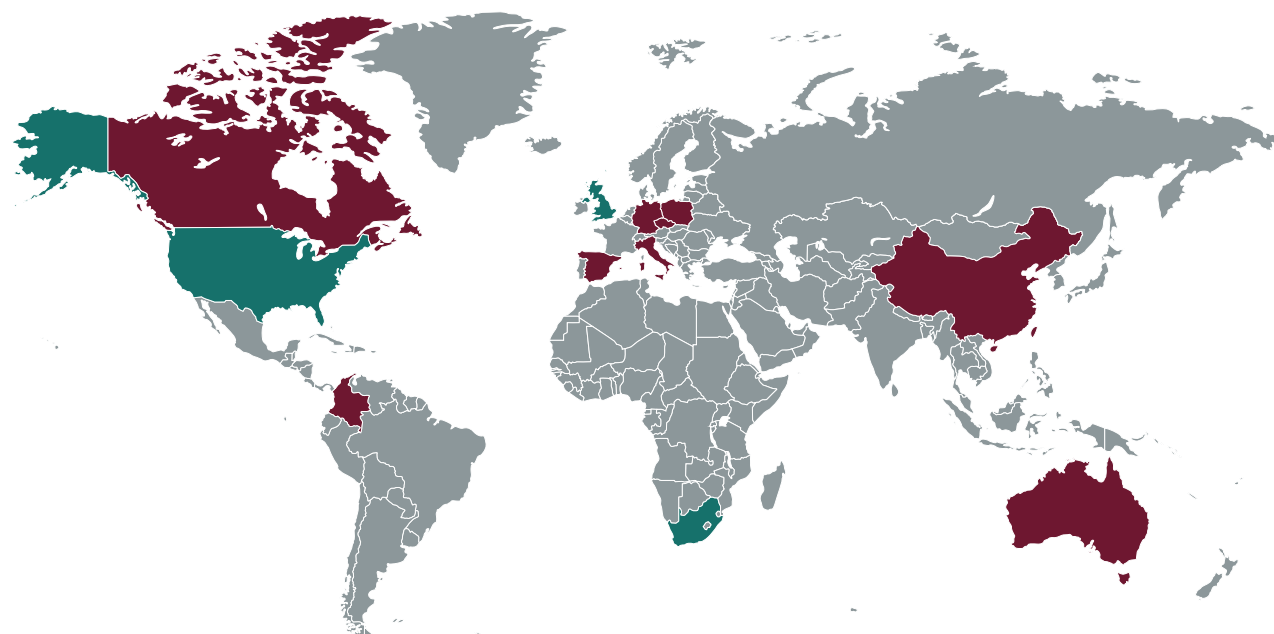
POSTDOCTORAL
RESEARCH FELLOW

ADVANCING METHODS IN EVIDENCE SYNTHESIS – SOUTH AFRICA GRADE NETWORK

The 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 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 maximise GRADE training, research and guideline activities in South Africa. The Network is jointly managed, and led, by the CEBHC and Cochrane South Africa. <https://www.cebhc.co.za/research-what-we-do/south-africa-grade-network/>

GRADE

We are active in facilitating GRADE and guideline training through the SA GRADE Network for the National Essential Medicine List Committee tasked with setting medicines for COVID-19 and beyond.



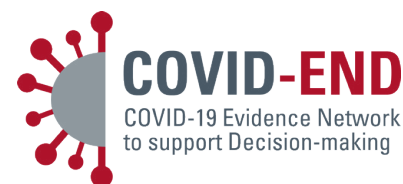
GRADE Centres: McMaster University GRADE Centre, **Canada**, Lanzhou University GRADE Centre, **China**, Barcelona GRADE Centre, **Spain**, Freiburg University GRADE Centre, **Germany**, American University of Beirut GRADE Centre, **Lebanon**, Lazio Region-ASL Rome GRADE Centre, **Italy**, Javeriana Bogotá GRADE Centre, **Colombia**, JBI Adelaide GRADE Centre, **Australia**, Melbourne 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**

COVID-19 EVIDENCE NETWORK TO SUPPORT DECISION-MAKING (COVID-END)

We joined and actively participated in COVID-END – an umbrella organisation involving 50 plus evidence synthesis or evidence support organisations that are working together to promote collaboration and reduce duplication of effort in the conduct and translation of COVID-19 related evidence synthesis. Prof Taryn Young co-chaired and led the Synthesis Working Group in developing an interactive support tool and resource for researchers considering conducting COVID-19 evidence synthesis. <https://www.mcmasterforum.org/networks/covid-end/resources-for-researchers>

Dr Michael McCaul led the development of a similar resource for guideline developers, health technology assessment teams and decision-makers as a member of the Recommending Working Group. ►



Definitions and concepts

How to navigate this document

What is a CPG?

What is HTA?

What is a Rapid Response?

How to develop a guideline

Establish the guideline group/panel and formulate the guideline or HTA questions

Start by searching for a CPG/HTA

Step 1: Question generation

Step 2: Searching

Found 1 or more CPG/HTA
Assess CPG quality and relevance

Found no CPG/HTA

De Novo development

Out of date but high quality
CPG/HTA?

Update the CPG/HTA

Up to date and high quality
CPG/HTA?

Decide to either adopt, adapt/contextualise CPG/HTA

Out of date and/or low quality
CPG/HTA?

De novo development

Adopt

Recommendations/CPGs/HTAs are adopted when they can be applied directly, without any changes, to a context. Adopting means a commitment to implement its recommendations as proposed, without any subtle changes or caveats

Adapt

Recommendations/CPGs/HTAs are adapted if changes are made in any way. Either by updating evidence or adding implementation or context specific considerations

Tools and resources

Support development

Support reporting and appraisal

Technology/app Tools

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

During 2020, due to the COVID-19 pandemic, all teaching and learning moved to the online platform. We were involved in undergraduate, postgraduate and continuing professional development activities.

Short courses offered

Clinical Practice Guidelines

Evidence-informed Decision-making: The Art, Science and Complexity of Knowledge Translation

Engaging with Decision-makers: Issue Briefs for Policy and Practice

Primer in Systematic Reviews & Research Synthesis

Qualitative Evidence Synthesis

Systematic Reviews and Meta-Analysis

'Getting to the final week and seeing the 'big' picture of how everything fits together was a highlight. Having read many examples of QESs by now, it is as if the common threads and general 'processes' running through them are now emerging clearly.'

– Hermann Nell, participant 2020

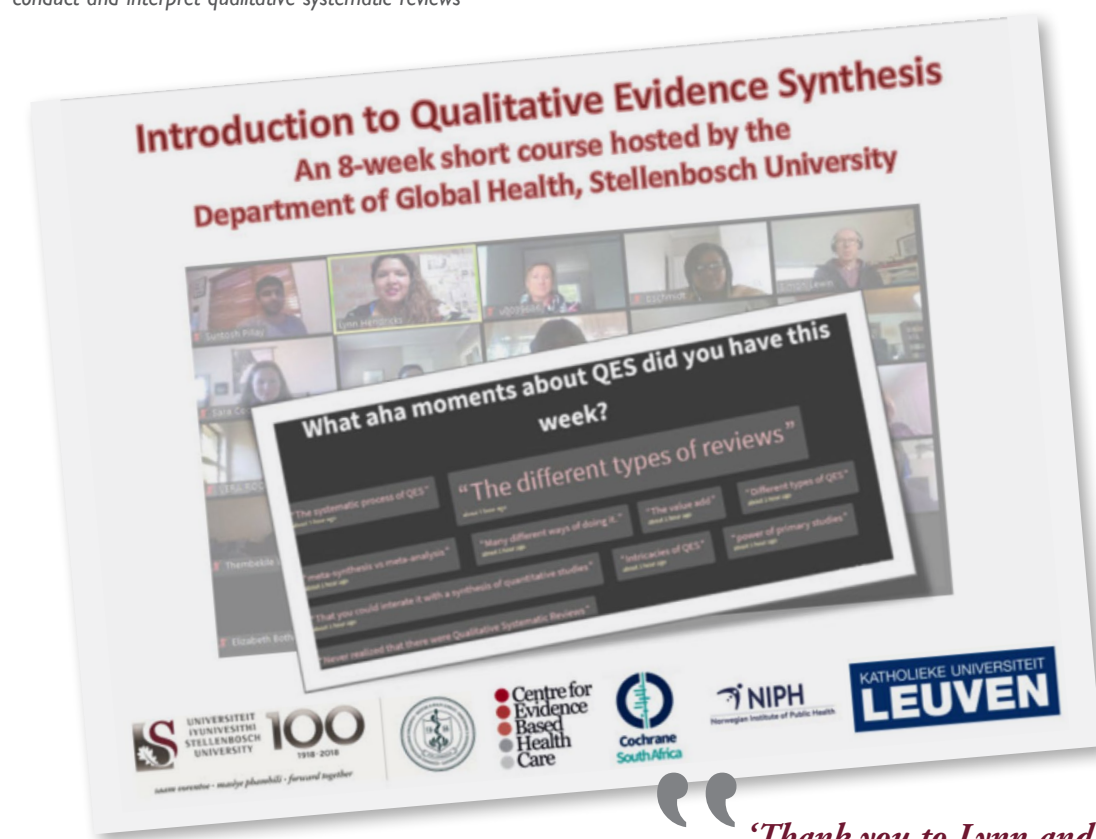
BUILDING CAPACITY FOR KNOWLEDGE TRANSLATION

We offered two courses on knowledge translation i.e. *Evidence-informed Decision-making: The Art, Science and Complexity of Knowledge Translation* and *Engaging with Decision-makers: Issue Briefs for Policy and Practice*, that were fully online, for the first time, due to the pandemic. The virtual version drew participants from across the globe including Kenya, DRC, Argentina, Egypt, South Africa and Burkina Faso amongst others.

INTRODUCTION TO QUALITATIVE EVIDENCE SYNTHESIS (QES)

Ms Lynn Hendricks presented an online 8-week short course, *Introduction to Qualitative Evidence Synthesis*, in August and once more in October 2020, and hosted a total of 81 participants. She was joined by facilitators from KU Leuven, the South African Cochrane Centre, and the Norwegian Satellite of Cochrane Effective Practice and Organisation of Care. This course used an interdisciplinary approach to provide academic staff, students, researchers, reviewers and editors with the understanding of the epistemological considerations and the fundamental methodological skills required for the design and implementation of a qualitative research synthesis. By the end of the course, students are equipped with tools needed to write and implement a qualitative review protocol. Participants were globally located and from diverse backgrounds, both academic and non-academic. The course was well received, and evaluations attest to the quality of the content, modes of instruction, and expert facilitators. To date, there is no existing course offered by any organisation in this subject area and the demand for the course is high with a growing waiting list for the next offering. As healthcare practices lean to more patient-centred approaches, research questions have demanded qualitative review methodologies to enhance evidence-informed decision-making.

Participants from around the world joined in for an 8-week course, *Introduction to Qualitative Evidence Synthesis*, to provide academic staff, students, researchers, reviewers and editors with the understanding of the principles to conduct and interpret qualitative systematic reviews



‘Thank you to Lynn and the team for putting together such an informative, well-paced course. I found it extremely valuable and I feel fairly confident to try initiating my first QES!’

– Suntosh Pillay, participant 2020

INTEGRATING EVIDENCE-BASED HEALTH CARE TEACHING & LEARNING IN THE UNDERGRADUATE MBCHB CURRICULUM

The COVID-19 pandemic that took off in 2020, and brought with it so much uncertainty, underscored the importance of healthcare professionals to have evidence-based health care (EBHC) competencies. This is in line with international developments where EBHC have been increasingly integrated as a core component into the curricula of students in the health sciences over the past 20 years. At FMHS, the CEBHC has since its inception in 2012 initiated and implemented research on teaching of EBHC to undergraduate students. CEBHC staff, Prof Taryn Young, Ms Anel Schoonees and Prof Peter Nyasulu, play key roles in implementing the learning of EBHC in the medical curriculum – equipping students with the knowledge and skills to become good users of research and to learn the basics of becoming *doers* of research.

In addition to preparing for integrated EBHC teaching throughout the Renewed MBChB curriculum, various CEBHC staff have also been teaching EBHC to current

undergraduate students in 2020. Examples include Ms Anel Schoonees coordinating the introduction to evidence-informed practices as part of the Health in Context module for first year medical, nursing, human nutrition and physiotherapy students; Dr Michael McCaul and Ms Anel Schoonees coordinating a tutorial for fourth year medical students as part of their Clinical Pharmacology block on the critical appraisal of randomised controlled trials; and Ms Tonya Esterhuysen teaching human nutrition students about biostatistics, which is an enabling competency for evidence-based health care. Michael and Tonya are also involved in offering EBHC-related teaching to medical students in the *Introduction to Clinical Medicine and Principles of Therapy* modules.

Cultivate diverse, strong and effective partnerships

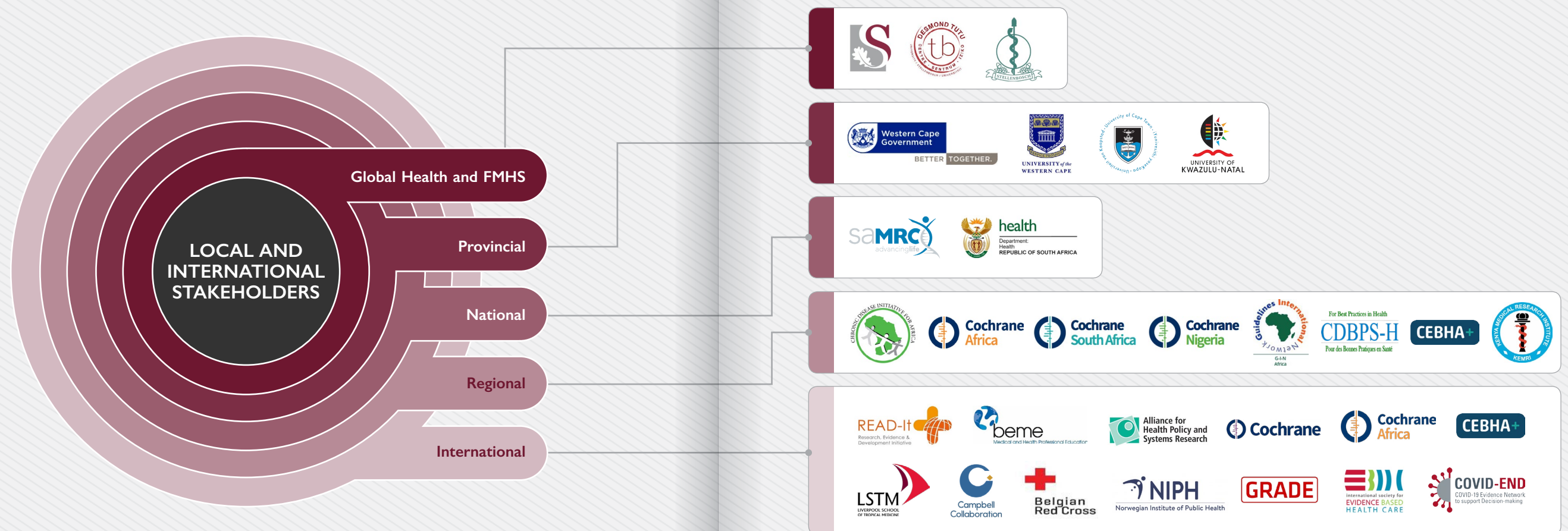
The Centre works in collaboration with a number of local, regional and international institutions, and staff serve on various national and international committees. The key principles are to encourage dialogue, build partnerships, enhance EBHC activities and avoid unnecessary duplication.

- The CEBHC works collaboratively with various divisions and departments within the FMHS at Stellenbosch University.
- Within the National 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.
- Nationally, 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.
- 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 FCDO) with partners in India, Norway,

UK and 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 Collaboration groups and links actively with the World Health Organisation (WHO) at national, regional and international levels.
- We have formal memoranda of understanding with the Department of Health, Cochrane SA, Centre for Evidence-based Practice from the Belgian Red Cross and Kenya Medical Research Institute (KEMRI).



THE CEBHC PLAYS A KEY ROLE IN PROVIDING LEADERSHIP NATIONALLY, REGIONALLY, AND INTERNATIONALLY

African Research Leader

Supporting the establishment and implementation of an evidence synthesis hub in Kenya. Funded through the UK Medical Research Council, Eleanor Ochodo was awarded this grant which aims "to strengthen research leadership across sub-Saharan Africa by attracting and retaining exceptionally talented individuals who will lead high-quality programmes of research on key global health issues relevant to the area".



**AFRICAN
RESEARCH
LEADER**

CEBHA+

The Collaboration for Evidence-based Healthcare and Public Health in Africa (CEBHA+) is a five 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. The CEBHC is providing leadership and oversight for capacity development and knowledge translation. Taryn Young chairs the Management Board which provides oversight for the scientific conduct and good governance of the Project as well as risk assessment and management. Nasreen Jessani provides leadership on knowledge translation and Anke Rohwer provides leadership on capacity development across the consortium.



Cochrane Africa

Within Cochrane Africa the CEBHC plays a key role in coordinating the Southern-Eastern Hub. Taryn Young also supports the overall strategic direction and coordination of the Cochrane Africa through membership of the Steering Group of Cochrane Africa.



Cochrane Nutrition

Cochrane Nutrition is a Cochrane Field, hosted in South Africa jointly by the CEBHC and Cochrane South Africa. Cochrane Nutrition aims to support and enable evidence-informed decision-making for nutrition policy and practice by advancing the preparation and use of high quality, globally relevant Cochrane nutrition reviews. Celeste Naude is Co-director of Cochrane Nutrition, and Amanda Brand and Marianne Visser are members of the local coordination team. Explore Cochrane Nutrition's key activities in 2020 [here](#). All our activities are aimed at adding appreciable value to Cochrane's vision, specifically in terms of nutritional health.



READ-It

In collaboration with national and international partners, the CEBHC, funded by the UK DFID, aims to increase evidence-informed decision-making to improve the health and health care for the poor in low- and middle-income countries via the READ-It (www.evidence4health.org). The CEBHC leads this work in the African region.



South Africa Grade Network

The CEBHC co-leads this network with Cochrane South Africa which 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 maximise GRADE training, research, and guideline activities in South Africa.



WHO

Members of the CEBHC team provide guidance and support to many components of the World Health Organization (WHO) guideline development process for guidelines in the areas of postnatal care, food and nutrition policies and HIV. This includes being members of Guideline Development Groups (GDGs), Methodologists that support GDGs and technical Steering Groups for guidelines, lead authors of systematic review teams, as well as formal Observers of the guideline development process. The [WHO Handbook for Guideline Development](#) provides step-by-step guidance on how to plan, develop and publish a WHO guideline, covering the methods, processes and procedures for producing a document that meets WHO standards.



**World Health
Organization**

Johanna Briggs Institute

JBI is an international research organisation based in South Australia. It develops and delivers unique evidence-based information, software, education and training designed to improve healthcare practice and health outcomes. JBI is spearheading World Evidence-Based Health Care day where CEBHC, represented by Nasreen Jessani, is on the steering committee.



Foster a professional environment that is collaborative, intellectually stimulating and sustainable

An excellent team of full-time and part-time staff supports the work of the CEBHC, and we value the contribution of our honorary staff based in Belgium, Canada, Ireland, South Africa and the United Kingdom.

Staff complete annual personal development plans to guide their annual goals and all are actively involved in grant writing. In 2020, we were successful in securing a number of new grant awards to support the implementation of our work.

Staff wellness is critical. We make time to reflect, learn and grow together, and a culture that supports work-life balance and teamwork contributes to an enabling environment for the team to live the values of the Centre.



The CEBHC Team in January 2020

*‘Coming together is a beginning.
Keeping together is progress.
Working together is success.’*

– Henry Ford

STAFF NEWS

Michael McCaul graduated with his PhD, for which he published seven peer-reviewed journal articles. His PhD explored how to strengthen prehospital clinical practice guideline development and implementation in low-resource settings. He used the African Federation for Emergency Medicine prehospital clinical practice guideline as a case study. He used various research methods to i) identify, map and appraise global and regional prehospital guidelines; ii) describe and strengthen guideline development methods; and iii) identify guideline implementation challenges and solutions. This dissertation provides emergency care guideline developers with a critical reflection and roadmap for developing robust clinical practice guidelines that are fit-for purpose, responsive to end-user needs and more likely to improve healthcare delivery and health.



Dr Michael McCaul

Eleanor Ochodo is one of four recipients of the highly competitive and prestigious 2019 African Research Leader Awards from the UK Medical Research Council and the UK Department for International Development (DFID). The scheme is awarded annually and aims “to strengthen research leadership across sub-Saharan Africa by attracting and retaining exceptionally talented individuals who will lead high-quality programmes of research on key global health issues relevant to the area”. Her project “Research to Policy in Africa: evidence synthesis for building a translation pipeline to eliminate infectious diseases” aims to formally develop an approach to translating research findings into policy through summarizing and integrating research findings from different fields. The project is a collaboration between Stellenbosch University, Kenya Medical Research Institute and Liverpool School of Tropical Medicine.



Dr Eleanor Ochodo

Celeste Naude received the academic rank of Associate Professor at Stellenbosch University. This is a wonderful recognition of her significant role as a scholar, researcher and collaborator; as well as her key role in advancing evidence-informed healthcare policy and practices.



Prof Celeste Naude

Taryn Young honoured as Distinguished Professor by Stellenbosch University – an acknowledgement of exceptional academic performance which take into account her contribution to research, publishing, teaching and postgraduate supervision, as well as the social impact of her work. In an interview with a journalist she stated “I am especially keen on fostering and advancing equitable partnerships to enable greater impact in what we do. Paying it forward through investment in the next generation is always close to my heart – to build their capacity to be able to address the variety of health and social challenges we face.” She highlighted that “achieving the academic goals for Distinguished Professorship is definitely a road one does not travel alone. My special thanks go to all my colleagues, collaborators, students, funders and the many support staff working behind the scenes. My sincere appreciation for the enabling environment provided by the Faculty, and to my family for their unconditional support.”



Prof Taryn Young

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.



Prof Taryn Young



Prof Celeste Naude



Dr Anke Rohwer



Dr Eleanor Ochodo



Prof Peter Nyasulu



Ms Anel Schoonees



Dr Michael McCaul



Ms Tonya Esterhuizen



Prof Rhoderick Machekano



Ms Lynn Hendricks



Dr Moleen Zunza



Mrs Traci Naidoo



Ms Liesel Esterhuizen



Mrs Anthea Henry



Dr Carl Lombard



Prof Birhanu Ayele



Dr Jeannine Uwimana-Nicol



Dr Nasreen Jessani



Dr Marianne Visser



Dr Rhodine Hickman



Dr Amanda Brand



Dr Susan van Wyk



Ms Sandra Josias



Dr Alfred Musekiwa

EXTRAORDINARY STAFF APPOINTMENTS

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

- Prof Lehana Thabane
- Prof Lawrence Mbuagbaw
- Dr Charles Okwundu
- Prof Geoff Fatti
- Dr Olatunji O Adetokunboh
- Prof Paul Garner
- Prof Mike Clarke
- Prof Charles Wiysonge
- Prof Philippe Vandekerckhove
- Prof Olalekan Uthman

RESEARCH OUTPUTS

PEER-REVIEWED PUBLICATIONS

- Morgan EH, **Schoonees A**, Sriram U, Faure M, Seguin-Fowler RA. Caregiver involvement in interventions for improving children's dietary intake and physical activity behaviors. *Cochrane Database of Systematic Reviews* 2020, Issue 1. Art. No.: CD012547. DOI: 10.1002/14651858.CD012547.pub2.
- Burns J, Boogaard H, Polus S, Pfadenhauer LM, **Rohwer AC**, van Erp AM, Turley R and Rehfuess EA (2020). Interventions to reduce ambient air pollution and their effects on health: An abridged Cochrane systematic review. *Environment International* 135: 105400.
- Durão S, **Visser M**, Kredo T and Saldanha IJ. Assessing the completeness and comparability of outcomes in systematic reviews addressing food security: protocol for a methodological study. *Systematic Reviews* (2020) 9:9. <https://doi.org/10.1186/s13643-019-1268-1>
- Abdullahi LH, Kagina BM, **Ndze VN**, Hussey GD, **Wiysonge CS**. Improving vaccination uptake among adolescents. *Cochrane Database of Systematic Reviews* 2020, Issue 1. Art. No.: CD011895.
- Visser ME**, **Schoonees A**, Ezekiel CN, Randall NP, **Naude CE**. Agricultural and nutritional education interventions for reducing aflatoxin exposure to improve infant and child growth in low- and middle-income countries. *Cochrane Database of Systematic Reviews* 2020, Issue 4. Art. No.: CD013376. DOI: 10.1002/14651858.CD013376.pub2.
- Jessani NS**, Valmeekanathan A, Babcock C. et al. Exploring the evolution of engagement between academic public health researchers and decision-makers: from initiation to dissolution. *Health Res Policy Sys* 18, 15 (2020). <https://doi.org/10.1186/s12961-019-0516-0>
- ICONIC Africa, Sharma N, Fagan J, Wallace M, Joubert E, Greef L, Konney A, Simonds H, Vanderpuye V, Sewram V, **Young T** & Mehanna H. (2020). Prioritisation of research topics for head and neck cancer in Africa – Report of the International Collaboration On Improving Cancer outcomes in low and middle income countries – ICONIC Africa. *Oral Oncology*, [104503]. <https://doi.org/10.1016/j.oraloncology.2019.104503> (RA team to check if eligible for subsidy)
- McCaul M**, **Young T**, Bruijns SR et al. Strengthening prehospital clinical practice guideline implementation in South Africa: a qualitative case study. *BMC Health Serv Res* 20, 349 (2020).
- Zhen J, Chan C, **Schoonees A**, Apatu E, Thabane L, **Young T**. Transmission of respiratory viruses when using public ground transport: A rapid review to inform public health recommendations during the COVID-19 pandemic. *South African Medical Journal* 2020;110(6)
- Young T**, Dizon JMR, Kredo T, **McCaul M**, **Ochodo E**, Grimmer K, Louw Q. Enhancing capacity for clinical practice guidelines in South Africa. *Pan African Medical Journal* 2020. Volume 36 10.11604/pamj.2020.36.18.20800.
- Rohwer AC**, Oladapo OT, Hofmeyr GJ. Strategies for optimising antenatal corticosteroid administration for women with anticipated preterm birth. *Cochrane Database of Systematic Reviews* 2020, Issue 5. Art. No.: CD013633. DOI: 10.1002/14651858.CD013633.
- Kredo T, Cooper S, Abrams AI, Muller J, Schmidt B, **Volmink J**, Atkins S. 'Building on shaky ground'—challenges to and solutions for primary care guideline implementation in four provinces in South Africa: a qualitative study. *BMJ Open* 2020;10:e031468. doi:10.1136/bmjopen-2019-03146
- Bennett S, **Jessani N**, Glandon D, Qiu M, Scott K, Meghani A, El-Jardali F, Maceira D, Javadi D, Ghaffar A. (2020) Understanding the implications of the Sustainable Development Goals for health policy and systems research: results of a research priority setting exercise. *Globalization and Health*. DOI: 1.1186/s12992-019-0534-2
- Durão S, **Visser ME**, Ramokolo V, Oliveira JM, Schmidt B-M, Balakrishna Y, **Brand A**, Kristjansson E, **Schoonees A**. Community-level interventions for improving access to food in low- and middle-income countries. *Cochrane Database of Systematic Reviews* 2020, Issue 7. Art. No.: CD011504. DOI: 10.1002/14651858.CD011504.pub2. <https://www.cochranelibrary.com/cdsr/doi/10.1002/14651858.CD011504.pub2/full>
- Turawa EB, **Musekiwa A**, **Rohwer AC**. Interventions for preventing postpartum constipation. *Cochrane Database of Systematic Reviews* 2020, Issue 8. Art. No.: CD011625. DOI: 10.1002/14651858.CD011625.pub3.
- McCaul M**, Durão S, Kredo T, Garner P, **Young T**, **Rohwer A**. Evidence synthesis workshops: moving from face-to-face to online learning. *BMJ Evidence-Based Medicine* Published Online First: 06 August 2020. doi: 10.1136/bmjebm-2020-111394
- Adamu AA, Uthman OA, Gadanya MA, **Wiysonge CS**. Using the consolidated framework for implementation

- research (CFIR) to assess the implementation context of a quality improvement program to reduce missed opportunities for vaccination in Kano, Nigeria: a mixed methods study. *Hum Vaccin Immunother.* 2020;16(2):465-475. doi:10.1080/21645515.2019.1654798 <https://pubmed.ncbi.nlm.nih.gov/31424313/>
18. Ndwandwe D, Dube K, Mathebula L, **Wiysonge CS**. Description of vaccine clinical trials in Africa: a narrative review. *Hum Vaccin Immunother.* 2020;16(4):972-980. doi:10.1080/21645515.2019.1693720. <https://pubmed.ncbi.nlm.nih.gov/31730397/>
 19. Tricco AC, Garritty CM, Boulos L, Lockwood C, Wilson M, McGowan J, **McCaul M**, Hutton B, Clement F, Mittmann N, Devane D, Langlois EV, Abou-Setta AM, Houghton C, Glenton C, Kelly SE, Welch VA, LeBlanc A, Wells GA, Pham B, Lewin S, Straus SE. Rapid review methods more challenging during COVID-19: Commentary with a focus on 8 knowledge synthesis steps. *Journal of Clinical Epidemiology* (2020), doi: <https://doi.org/10.1016/j.jclinepi.2020.06.029>.
 20. **Robertson NU, Schoonees A, Brand A**, Visser J. Pine bark (*Pinus* spp.) extract for treating chronic disorders. *Cochrane Database of Systematic Reviews* 2020, Issue 9. Art. No.: CD008294. DOI: 10.1002/14651858.CD008294.pub5.
 21. Mugendi GA, Mutua FM, Natale P, **Esterhuizen TM**, Strippoli GFM. Calcium channel blockers for people with chronic kidney disease requiring dialysis. *Cochrane Database of Systematic Reviews* 2020, Issue 10. Art. No.: CD011064. DOI: 10.1002/14651858.CD011064.pub2.
 22. **Jessani N**, Valmeekanathan A, Babcock C, Ling B. Academic incentives for enhancing faculty engagement with decision-makers – considerations and recommendations from one School of Public Health Humanities and Social Sciences Communications. *Humanities and Social Sciences Communications* (2020) 7:148 (Captured but not for subsidy, Journal on the list) <https://doi.org/10.1057/s41599-020-00629->
 23. Stewart R, El-Harakeh A, Cherian SA, on behalf of the LMIC members of COVID-END† (include **McCaul M, Young T**). Evidence synthesis communities in low-income and middle-income countries and the COVID-19 response. *Lancet*. Published online October 20, 2020 [https://doi.org/10.1016/S01406736\(20\)32141-3](https://doi.org/10.1016/S01406736(20)32141-3) (RA Team to check if eligible for subsidy)
 24. Chirwa TF, Matsena Zingoni Z, Munyewende P, Manda SO, Mwambi H, Kandala N, Kinyanjui S, **Young T**, et al. Developing excellence in biostatistics leadership, training and science in Africa: How the Sub-Saharan Africa Consortium for Advanced Biostatistics (SSACAB) training unites expertise to deliver excellence. *AAS Open Res* 2020, 3:51 (<https://doi.org/10.12688/aasopenres.13144.1> (Captured not for subsidy, Journal not on list))
 25. Stegeman I, **Ochodo EA**, Guleid F, Holtman GA, Yang B, Davenport C, Deeks JJ, Dinnes J, Ditttrich S, Emperador D, Hooft L, Spijker R, Takwoingi Y, Van den Bruel A, Wang J, Langendam M, Verbakel JY, Leeftang MM; Cochrane COVID-19 Diagnostic Test Accuracy Group. Routine laboratory testing to determine if a patient has COVID-19. *Cochrane Database Syst Rev.* 2020 Nov 19;11:CD013787. <https://www.cochranelibrary.com/cdsr/doi/10.1002/14651858.CD013787/full>
 26. Telford LH, Abdullahi LH, **Ochodo EA**, Zuhlke LJ, Engel ME. Standard echocardiography versus handheld echocardiography for the detection of subclinical rheumatic heart disease: a systematic review and meta-analysis of diagnostic accuracy. *BMJ Open.* 2020 Oct 29;10(10):e038449. doi:10.1136/bmjopen-2020-038449 <https://bmjopen.bmj.com/content/10/10/e038449>
 27. Lawson DO, Puljak L, Pieper D, et al. Reporting of methodological studies in health research: a protocol for the development of the Methodological Study reporting Checklist (MISTIC). *BMJ Open* 2020;10:e040478. doi:10.1136/bmjopen-2020-040478
 28. Nnaji CA, **Wiysonge CS**. Cochrane corner: convalescent plasma or hyperimmune immunoglobulin for people with COVID-19. *Pan African Medical Journal* 2020;35(2):80.
 29. Petkovic J, Jull J, Yoganathan M, Volmink J, et al. Reporting of health equity considerations in cluster and individually randomized trials. *Trials* 21, 308 (2020). <https://doi.org/10.1186/s13063-020-4223-5>
 30. Vonasek B, Ness T, Takwoingi Y, Kay AW, **van Wyk SS**, Ouellette L, Marais BJ, Steingart KR, Mandalakas AM. Screening tests for active pulmonary tuberculosis in children (Protocol). *Cochrane Database of Systematic Reviews* 2020, Issue 7. Art. No.: 9. DOI: 162720051513552199
 31. Ndwandwe D, Ngcobo NJ, Adamu AA, Nnaji C, Mashunye T, Leufak AM, Cooper S, Uthman OA, **Wiysonge CS**. Protocol for a country-level assessment of missed opportunities for vaccination in South Africa: multilevel analysis. *JMIR Research Protocols* 2020;9(9):e16672. doi:10.2196/16672. (captured not for subsidy – Journal not on list)
 32. WHO consolidated guidelines on tuberculosis. Module 3: Diagnosis. Rapid diagnostics for tuberculosis detection. (**Ochodo E** – part of the systematic review team)
 33. **Brand A**, Hohlfeld A, **McCaul M**, Durão S, **Young T**, Kredo T. Lessons in providing rapid evidence to inform national treatment guidelines for COVID-19 in South Africa. In: Collaborating in response to COVID-19: editorial and methods initiatives across Cochrane. *Cochrane Database of Systematic Reviews* 2020;(12 Suppl 1):[79-81]. <https://doi.org/10.1002/14651858.CD202002>

CHAPTERS IN BOOKS

1. Fault Lines. Subtitle: A primer on race, science and society BIC classification: JH – Sociology and Anthropology; JHBC – Social research and statistics ISBN print: 978-1-928480-48-8. ISBN electronic: 978-1-928480-49-5. DOI: <https://doi.org/10.18820/9781928480495> Page count: 302 pages Publication date: April 2020. Editors: Jonathan Jansen & Cyrill Walters. Section C. MAKING UP RACE AND “THE OTHER” IN THE SOCIAL AND MEDICAL SCIENCES. Chapter 7: Race and Health: Dilemmas of the South African health researcher: 119. **Jimmy Volmink, Lynn Hendricks**, Lindokuhle Mazibuko & Leslie Swartz

INTERNATIONAL PRESENTATIONS

1. **Esterhuizen, TM**. The Role of Statistics in Empowering Women in Developing Countries: The South African Experience. *3rd LISA 2020 Symposium*, 25 November 2020 (plenary)
2. **Jessani N**. Applying the EPIS framework to integrated knowledge translation for enhancing NCD policy and practice: Experiences from South Africa. *13th Annual Conference on the Science of Dissemination and Implementation in Health*. Washington, USA. Virtual. Presenter: December 2020
3. **Jessani N**. Collaboration for Evidence-based Healthcare and Public Health: building capacity and fostering collaboration across partners in Ethiopia, Malawi, Rwanda, South Africa and Uganda. *African University Day: Nurturing Sustainable African Partnerships* Virtual. November 2020 (Presented by co-author)
4. **Jessani N**. Institutional structures to support evidence informed decision-making Session Health Systems *Global Symposium on Health Systems Research*. Virtual. Session Chair: UAE November 2020
5. **Jessani N**. Innovative adaptation of short courses as an emergency teaching response to the COVID-19 pandemic: Muddy points, highlights, and best practices. *13th Annual Scholarship of Teaching and Learning Conference*. Virtual. November 2020. (Presented by co-author)
6. **Jessani N**. Strategies for integrated knowledge translation: the African-German CEBHA+ research network. *16th World Congress on Public Health*. Virtual. October 2020 (Presented by co-author)
7. **Jessani N**. Multisectoral scientific and policy networks - where the twain shall meet: Social networks and the brokerage opportunities of universities. *Sunbelt 2020: International Network for Social Network Analysis (INSNA)*. Virtual. June 2020
8. **Rohwer A, Hendricks L**, Oliver S, **Garner P**. Does qualitative data on a research topic become saturated? Empirical observations from adherence to antiretroviral

drugs in Africa. In: *Advances in Evidence Synthesis: special issue. Cochrane Database of Systematic Reviews* 2020;(9 Suppl 1):444 (Abstract accepted for the Cochrane Colloquium, due to the cancellation of the colloquium, all abstracts were published in a special issue)

9. **Schoonees A**. Effects of Involving Parents and Other Adult Caregivers in Children's Diet and Physical Activity Interventions: A Cochrane Systematic Review. *Association for Public Policy Analysis & Management (APPAM)*, 23 July 2020 (Virtual oral presentation, live)
10. **McCaul M, Young T**, Bruijns S, **Clarke M**. Strengthening South African prehospital guidelines: Learning from the past, for the future. *AfCEM*. November 2020. (Oral)
11. **Nyasulu PS**. Human rabies post-exposure prophylaxis in low-income settings. *8TH International Congress of Paediatrics*, Cairo, Egypt. 25th of March 2020.
12. **Nyasulu P**, Methazia J, Ngamasana E, Ogunrombi M. Maternal anemia in HIV infected pregnant women on ART attending Themba Lethu Clinic at Helen Joseph Hospital, Johannesburg, South Africa. *19th International Congress on Infectious Diseases*, Kuala Lumpur, Malaysia. 20-23 February 2020.

NATIONAL PRESENTATIONS

1. **Jessani N**. Enhancing NCD policy and practice in South Africa through an Integrated Knowledge Translation Strategy. *Stellenbosch University Annual Academic Day*. Virtual. August 2020
2. **Jessani N**. Issue Brief: A tool for enhancing research uptake and evidence-use in policy and practice. *Cochrane South Africa Systematic review methods webinar series*. Key speaker: Virtual. 18 Aug 2020
3. **Jessani N**. Evolving evidence, fake news, and emerging contexts: researchers at the nexus of EIDM for COVID-19. *Joint webinar between AEN and HSG-Evidence to Action TWG*. Webinar Chair: Virtual. 29 Jul 2020
4. **Jessani N** and Etale E. Spotlighting capacity enhancement activities, networks and opportunities across EIDM organisations. *Africa Evidence Network*. Panelist. Virtual. 30 Jun 2020
5. **Jessani N**. What are the public health implications of Covid-19 for teachers in South Africa? *Instill Education webinar series*. Key speaker: Virtual 2 Apr 2020
6. **Jessani N**. Evidence for Action: Where the rubber hits the road. *NCD symposium*. Stellenbosch, S. Africa. Closing plenary Chair: March 2020
7. **Jessani N**. Applying the Consolidated Framework for Implementation Research to Integrated Knowledge Translation: experiences from South Africa. *NCD symposium*. Stellenbosch, S. Africa. March 2020

8. **van Wyk SS.** Characterising tuberculosis screening interventions. Stellenbosch University, Faculty of Medicine and Health Sciences, *Annual Academic Day*, 26 August 2020 (poster)
 9. **Rohwer A, Uwimana-Nicol J,** Toews I, **Young T,** Bavuma C, Meerpohl JJ. Integrated models of care for diabetes and hypertension in low-and middle-income countries (LMICs): A systematic review. *NCD Research Symposium.* Lord Charles Hotel, Somerset West, South Africa. 4 March 2020 (oral presentation)
 10. **Rohwer A, Uwimana-Nicol J,** Toews I, **Young T,** Bavuma CM, Meerpohl JJ. Effects of integrated models of care for diabetes and hypertension in low-and middle-income countries. A systematic review. *First Virtual Annual Academic Day*, 26-27 August 2020 (poster presentation)
 11. **Rohwer A, Jessani N, Ayele B, Uwimana Nicol J, Young T.** Collaboration for Evidence-based Healthcare and Public Health: building capacity and fostering collaboration across partners in Ethiopia, Malawi, Rwanda, South Africa and Uganda. *SU African University Day*, 12 November 2020 (oral presentation)
 12. Malherbe P, Smit P, Sharma K, **McCaul M.** Guidance we can trust? The status and quality of prehospital clinical guidance in sub-Saharan Africa: A scoping review. *EMMSA 2020.* (Oral)
 13. **Young T.** journalism in the time of COVID. Panel discussion. *African Investigative Journalism Conference (AIJC)* 2020. 13 October 2020
 14. **Young T.** Overview of the global evidence. COVID-19 Webinar: Evidence base on NCD comorbidities and COVID-19 and implications for policy and programming in South Africa. 15 September 2020
 15. **Nyasulu P.** COVID-19 Research Response Team. The effect of team on outbreak response. Faculty of Medicine & Health Sciences, *Research day.*
 16. Daramola O, **Nyasulu P,** ONA Multistakeholder-Centric Data Analytics Governance Framework for Medication Adherence and Improvement in Rural Settings. *9th IFIP WG 6.11 Conference on e-Business, e-Services, and e-Society, I3E 2020,* Skukuza, South Africa, April 6–8, 2020
4. Emmanuel Zamokwakhe Hlungwane, PhD Nursing, Stellenbosch University. Topic: Integrating EBP guidelines into teaching and learning by nurse educators in South Africa. (Co-Supervisor: **Michael McCaul**) Ongoing
 5. Hassan Afzal, PhD Emergency Medicine, University of Cape Town. Topic: A risk prediction model for attacks on Emergency Medical Services. (Co-Supervisor: **Michael McCaul**) ongoing
 6. Tiwonge Kumwenda Mtande, PhD, Stellenbosch University. Topic: Navigating the ethical challenges posed by pragmatic cluster-randomised trials in less developed countries: the case of Malawi. (Supervisor: **Carl Lombard**)
 7. Preesha Premasagar, PhD, UKZN. A comparative assessment of investigative results and major adverse cardiovascular events in South African patients presenting with non-specific chest pain: A retrospective long term analysis. (Co-supervisor: **Tonya Esterhuizen**). Ongoing.
 8. Anel Schoonees, PhD Public Health, Stellenbosch University. Topic: Perusing the Use of Research Evidence in mass Media reporting on health interventions by journalists and science communicators in South Africa: the PURE Media project (Co-supervisor: **Celeste Naude**), ongoing
 9. Cynthia Lungu, MPhil Health Systems, Stellenbosch University. Topic: The role of ethics in health priority setting: A case study analysis using the provisional ethics framework for health priority setting under the South African National Health Insurance. (Supervisor: **T Young**). Graduated: April 2020
 10. Sophia Amponsa, MSc Clinical Epidemiology, Stellenbosch University. Topic: Context and implementation of complex intervention (CICI) framework versus Intervention complexity assessment tool for systematic reviews (iCAT-SR) tool in assessing and describing complexity of community-based ART initiation within a systematic review. (Supervisor: **T Young**). Graduated: April 2020
 11. John Lopes, MSc, Stellenbosch University. Topic: In stable HIV patients on ART, is 3 monthly and 6 monthly community-based ART dispensing noninferior vs 3 monthly clinic-based ART dispensing regarding outcomes monitored up till 12 and 18 months in Southern Africa? A meta-analysis using individual patient data (IPD) of two pragmatic cluster Randomized Control Trials (RCTs). (Co-supervisor: **Carl Lombard**)
 12. Faheema Kimmie-Dhansay, MSc, Stellenbosch University. Topic: Statistical Methods to determine factors associated with the trans-epidermal water loss in pre-term neonates

POST GRADUATE STUDENT SUPERVISION

1. Michael McCaul, PhD, Stellenbosch University. Topic: Strengthening pre-hospital clinical practice guideline development and implementation for South Africa (Supervisor **T Young**). Graduated: December 2020
2. Heather Henry, PhD, Stellenbosch University. Topic: Treatment for Paroxysmal Atrial Fibrillation. (Supervisor **T Young**). Graduated: March 2021
3. Sode Akoeugnigan Idelphonse, PhD Stellenbosch

at a tertiary hospital in the Western Cape, South Africa. (Supervisor: **Carl Lombard**)

13. Amashnee Saimen, MSc Clinical Epidemiology, Stellenbosch University. Topic: Influence of previous tuberculosis treatment history on time to culture conversion for patients receiving a Bedaquiline containing regimen at Sizwe Tropical Disease Hospital, South Africa. (Supervisor: **Tonya Esterhuizen** and Xavier Padanilar) Ongoing.
14. Sandile Ndlovu, MPhil Cancer Science, Stellenbosch University. Topic: Trends in childhood cancers from children admitted at Tygerberg Children Hospital paediatric oncology unit between 1994 and 2014. (Supervisor: **Tonya Esterhuizen** and Mariana Kruger) Ongoing
15. Michael Mboko, MSc Clinical Epidemiology, Stellenbosch University. Topic: Prevalence of chronic kidney disease among HIV infected adults on antiretroviral therapy in northern Namibia. (Supervisor: **Tonya Esterhuizen** and Razeen Davids) Ongoing.
16. Jack Mkubwa, MSc Clinical Epidemiology, Stellenbosch University. Topic: Traumatic brain injury: the effect of Glasgow coma scale score on the mortality in an intensive care unit: The Botswana Experience. (Supervisor: **Tonya Esterhuizen**) Ongoing
17. Makabongwe Nambula, MSc Biostatistics, Stellenbosch University. Topic: Impact of Missing Data in Modelling HIV/AIDS progression in patients receiving Antiretroviral Therapy (ART). (Supervisor: **Tonya Esterhuizen** and Samuel Manda) Ongoing.
18. Tracy Cummings, MSc Clinical Epidemiology, Stellenbosch University. Topic: Prevention of Mother-to-Child Transmission of HIV: How Do We Fare in Rural Western Cape? (Supervisor: **Tonya Esterhuizen**) Ongoing.
19. Munyaradzi Madhombiro, MSc Clinical Epidemiology, Stellenbosch University. Topic: Validation of the AUDIT in people living with HIV with unhealthy alcohol use in Zimbabwe. (Supervisor: **Tonya Esterhuizen** and Soraya Seedat) Ongoing
20. Caro-Lee Saal, MSc Clinical Epidemiology, Stellenbosch University. Topic: Prognostic factors for Neurodevelopmental Delay in Paediatric Tuberculous Meningitis. (Supervisor: **Tonya Esterhuizen**) Ongoing
21. Ndedi Phoba, MSc Clinical Epidemiology, Stellenbosch University. Topic: 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**), Graduated 2020
22. Veranyuy Ngah, MSc Clinical Epidemiology, Stellenbosch University. Topic: Adherence and predictors of adherence to the CONSORT statement in the reporting of tuberculosis vaccine trials (manuscript published), (Co-

supervisor: **Moleen Dzikiti**) Ongoing

23. Suzaan Stoker, MSc Clinical Epidemiology, Stellenbosch University, Topic: Insight into the magnitude of chronic kidney disease among the general adult population in Africa: A systematic review and individual participant data meta-analysis, (Co-supervisor: **Moleen Dzikiti**), Ongoing
24. Tomiwa Fapohunda, MPhil Public Health, Stellenbosch University. Topic: Role of Faith based organisations in management of diabetes management in pregnant: Scoping review. (Supervisor: **Jeannine Uwimana Nicol** & Rene English), Ongoing
25. Sheena Ruzive, MSc Clinical Epidemiology, Stellenbosch University. Topic: Identifying Gaps in Primary Nutrition Research from Cochrane Nutrition Reviews using the EPICOT+ Framework: A cross sectional study (Supervisor: **Celeste Naude**), ongoing
26. Nina Robertson, M Nutrition. Topic of Cochrane Review: Pine bark (*Pinus spp.*) extract for treating chronic disorders (Supervisor: **Anel Schoonees**; Co-supervisor: Janicke Visser). Graduated March 2020.
27. Jacques van Niekerk, MSc Clinical Epidemiology, Stellenbosch University. Topic: A Methodological Review: Quality of Systematic Reviews Published in African Emergency Medicine Journals. (Supervisor: **Michael McCaul**) Ongoing
28. Nicola Grey, MMED Dermatology, Stellenbosch University. Topic: Pharmacological Interventions for Periorificial (Perioral) Dermatitis in Children and Adults: A Systematic Review. (Co-Supervisor: **Michael McCaul**) Ongoing
29. Dirk Kotze, MTech Emergency Medical Care, University of Johannesburg. Topic: RSI in stroke patients: A case-control study. (Co-Supervisor: **Michael McCaul**) ongoing
30. Gareth Staley, MSc Emergency Medicine, University of Cape Town. Topic: Developing a tool to facilitate decision-making related to non-conveyance of patients with minor injuries following a motor vehicle collision. (Co-Supervisor: **Michael McCaul**) ongoing
31. Mary Hoffe, MMED Emergency Medicine, Stellenbosch University. Topic: Emergency clinician output in a district hospital Emergency Centre: a cross-sectional analysis. (Co-Supervisor: **Michael McCaul**) Ongoing
32. Akuoma Nwaiwu, MSc Clinical Epidemiology. Topic: Yellow Fever incidence and mortality in Africa – A Systematic Review and Meta-analysis. (Supervisor: **Peter S Nyasulu**, Everson Sambala). Graduated, 2020
33. Yishak Abraham, MSc Clinical Epidemiology. Factors associated with antiretroviral treatment failure amongst people living with HIV on antiretroviral therapy in resource poor settings: A Systematic Review & Meta-analysis. (Supervisor: **Peter S Nyasulu** & Marcel Kitenge). Graduated, 2020

34. Longolongo Kibonge Raymond. MSc Infectious Diseases Epidemiology. Topic: Factors Associated with HIV testing and retention in care among adolescents in Johannesburg, South Africa. Wits University. (Supervisor: **Peter S. Nyasulu** & Ndumiso Tshuma). Graduated, 2020
35. Tariro Ndoro. MSc Epidemiology & Biostatistics. Topic: Factors affecting ART adherence among HIV positive Adherence Club members in Ekurhuleni, South Africa. Wits University. (Supervisors: **Peter S Nyasulu** & Zodwa Ndlovu). Completed, 2020
36. Marlyse St Jerry. MSc Epidemiology. The impact of caring for a school-going visually impaired child in Cape Town, Western Cape on the home caregiver and the rest of the family – the health, socio-economic and psychological health burdens. Completed 2020.
37. Idon Nkhenso Sibuyi. DTech. Health Informatics. Topic: An exploration of mobile health implementation in South Africa: a service design perspective. Cape Peninsula University of Science & Technology. (Supervisors: Retha de la Harpe & **Peter S Nyasulu**). Completed 2020.
38. Jean-Paul Milambo. PhD Epidemiology. Topic: Assessment of point-of-care testing for prediction of Aromatase inhibitors associated side effects in obese postmenopausal breast cancer patients. (Supervisors: John Akudugu, **Peter S Nyasulu**). Completed, 2020
39. Vuyelwa Mehlomakulu. PhD Public Health. Topic: An assessment of external HIV-related stigma in South Africa: implications for interventions. University of Cape Town. (Supervisors: John Joska, **Peter S Nyasulu**, Leickness Simbayi). Completed 2020.
40. David Niyukuri. PhD Epidemiology. Topic: Modelling HIV transmission dynamic networks and molecular evolution. (Supervisors: **Peter S Nyasulu**, Wim Delva). Completed 2020
41. Mosima Pheela. PhD Epidemiology. Topic: Identification of genetic determinants of the postprandial lipaemic response in patients with type 2 diabetes mellitus: a genome-wide association study (GWAS) in an African population. (Supervisor: **Peter S Nyasulu** & Samuel Manda) Ongoing.
42. Trust Chibawara. PhD Epidemiology. Topic: Effect of antiretroviral treatment in adults on HIV incidence among young females in Swaziland. (Supervisor: **Peter S Nyasulu** & Dan Kajungu) Ongoing
43. Lydia Atuhair. PhD Public Health. Topic: HIV Continuum of Care Outcomes among HIV Infected Female Sex Workers in Kampala Uganda. (Supervisor: **Peter S Nyasulu** & Constance Shumba) Ongoing
44. Marcel Kitenge. PhD Epidemiology. Topic: Spatial temporal Dynamics and Impact of Sexual and Gender Based-Violence in HIV Transmission in Bojanala District, North West Province, South Africa. (Supervisor: **Peter**

S Nyasulu) Ongoing

45. Nosimilo Mlangeni. PhD Public Health. Topic: Investigating disparities of HIV prevention and care for farmworkers: risks, inequality and policies. (Supervisor: **Peter S Nyasulu**) Ongoing
46. Johnelize Louw. Exploring the Challenges in the Care Pathway for Acute Appendicitis in the Western Cape Government Health System, in South Africa. Rene Supervisors: (Supervisors: English, Kathryn Chu, **Peter Nyasulu**) Ongoing.

SUPPORTING GRADUATES TO PUBLISH THEIR RESEARCH PROJECTS

1. Michael McCaul, PhD, Stellenbosch University. Topic: Strengthening pre-hospital clinical practice guideline development and implementation for South Africa (Supervisor: **T Young**). Graduated: December 2020. McCaul M, Young T, Bruijns S, Clarke M. Strengthening prehospital clinical practice guideline implementation in South Africa: A qualitative case study. BMC Health Serv Res 20, 349 (2020).
2. Ndamona Haushona (MSc Biostatistics student). Topic: An empirical comparison of time-to-event models to analyse a composite outcome in the presence of death as a competing risk. (Supervisor: **Tonya Esterhuizen**, Lehana Thabane, **Roderick Machekano**). Graduated 2019.
3. Julius Mwita (MSc Clinical Epidemiology). Topic: Statin prescription among patients with type 2 diabetes in Botswana: findings and implications. (Supervisor: **Tonya Esterhuizen** and Brian Godman). Graduated 2019
4. B Katende (MSc Clinical Epidemiology). Topic: Rifampicin Resistant Tuberculosis in Lesotho: Diagnosis, Treatment Initiation and Outcomes. (Supervisor: R Warren). Graduated 2019.
5. Tessa Du Toit (MBCHB). Topic: Incident tuberculosis disease in patients receiving biologic therapies in the Western Cape, South Africa from 2007 to 2018. (Supervisor: Eric De Cloedt). Ongoing.
6. Nicola Gray. (PhD). Topic: "Interleukin-4 and anxiety in adults with atopic dermatitis"; and "Investigating hair zinc concentrations in children with and without atopic dermatitis." (Supervisor: D Stein). Ongoing.
7. Mirriam Karinja (PhD). Topic: Risk reduction of diarrhea and respiratory infections following a community health education program - a facility-based case-control study in rural parts of Kenya. (Supervisor: R Schlienger). Ongoing.
8. Tamsin Hartley. (MSc Physiotherapy). Topic: Functional outcome of stroke inpatients according to human immunodeficiency virus status: A feasibility study. (Supervisor: M Burger and G Inglis-Jassiem)

9. Jaques van Heerden. (PhD). Topic: The importance of local control management in high-risk neuroblastoma in South Africa. (Supervisor: Mariana Kruger).
10. Mauti, Joy (PhD Candidate), Heidelberg Institute of Global Health. Topic: Scoping review of emergency care guidance documents in Sub-Saharan Africa. Addressing Policy Coherence Between Health in All Policies Approach and the Sustainable Development Goals Implementation: Insights From Kenya (Supervisor: Jale Tosun Heidelberg, Support: **Nasreen Jessani**, Stellenbosch Universiti). Complete.
11. Lynn Hendricks (MCLinEpi student). Topic: A mega-aggregation framework synthesis of the barriers and facilitators to linkage, adherence to ART and retention in care among people living with HIV. (Supervisor: **Anke Rohwer**). Graduated March 2019. Manuscript published February 2021.
12. Johnelize Louw, PhD Nursing, Stellenbosch University. Topic: Exploring the Challenges in the Care Pathway for Acute Appendicitis in the Western Cape Government Health System, in South Africa. (Consultant/Collaborator: **Michael McCaul**)

INTELLECTUAL INPUT

Taryn Young

- Chair, Joint Postgraduate committee, Global Health, Stellenbosch University, 2019 –
- Member, Curriculum committee, International Society on Evidence-Based Health Care, 2013 – date
- Member, Faculty Committee Postgraduate Teaching, 2016 –
- Member, Academy of Science of South Africa, 2017 –
- Member, National Health Research Committee South Africa, 2020 – 2023
- Member, WHO Guideline Review Committee, 2020 – 2023
- Member, Senate, Stellenbosch University, 2017 –
- Advisory Group Member, DFID BCURE project at University Johannesburg, 2014 – date
- Member Cochrane Africa Steering Group, 2017 – date

Carl Lombard

- Associate Editor, International Journal of Tuberculosis and Lung Disease. 2009 – date
- Associate Editor, South African Statistical Journal, 2009 – date
- Extraordinary Professor, Centre of Excellence for Nutrition, North West University, Potchefstroom, 2017 – date
- Trial Steering Committee Member, TB-CHAMP study: Tuberculosis Child Multidrug-Resistant Preventive Therapy Trial, 2017 – date
- DSMB Member, Insika Yomama cluster randomised trial to evaluate an intervention for depressed HIV-positive women in the perinatal period, to enhance child development and reduce maternal depression, 2017 – date
- Member, SAMRC Ethics Committee, 2018 – date
- Member, MRC/DFID/NIHR/WT Joint Global Health Trials (JGHT) Committee, 2018 – date
- DMC Member, Gates MRI-TBV01-201 Phase IIb trial evaluating BCG Revaccination of Healthy Adolescents for the prevention of Mycobacterium tuberculosis sustained infection, 2019 – date
- Chairperson, DSMB of the priMe multicenter, phase III, double-blind, randomized, active-controlled study to evaluate the efficacy of VPM1002 in comparison to BCG in prevention of Mycobacterium tuberculosis infection in newborn infants, 2019 – date
- Member, DMC of the CROWN CORONATION: COVID-19 Research Outcomes Worldwide Network for CORONAvirus prevention, an international, Bayesian platform adaptive, randomized, placebo-controlled trial, 2020

Tonya Esterhuizen

- Co-chair of the Masters in Clinical Epidemiology programme, selection and bursary committees, 2020 – ongoing
- Member, Masters in Biostatistics programme committee, 2019 – ongoing
- Member of the Health Research Ethics Committee, 2018 – ongoing
- LISA 2020 statistical and data science collaboration laboratory member and selection committee for new applications

Nasreen Jessani

- Vice Chair, Evidence to Action Thematic Working Group, Health Systems Global, 2016 – 2020
- Advisory Group member, INASP, 2020
- Advisory Board member, Knowledge Translation and Dissemination Advisory Committee, AcademyHealth, 2013 – present
- Steering Committee, Inaugural World Evidence Based Health Care day, 2020
- Associate Editor: Health Research Policy and Systems journal, 2020
- Conference scientific committee: Evidence2020 Online. Africa Evidence Network biennial conference
- Conference abstract reviewer, AcademyHealth 2020 Annual Research Meeting (ARM) (Global Health and Policy Research theme)
- Conference abstract curator:, Health Systems Global 2020 Health Systems Research Symposium (HSR) (Political forces: Evidence to Policy theme)
- Mentor, HSG first women mentorship programme, 2020
- Member: Health Systems Global
- Member: Africa Evidence Network

- Member: Delta Omega Alpha – National Honour society
- Member: American College of Health Care Executives (ACHE)
- Member: International Development Evaluation Association, AIMEnet - HIV/AIDS Monitoring & Evaluation Network

Moleen Zunza

- Associate Editor, Pilot and Feasibility Studies journal, October 2020 – ongoing
- External expert member, Ethics Committee of South African Medical Research Council, 2020 – ongoing
- Expert member, NRF rating reviewer, National Research Foundation, 2019 – ongoing
- Honorary Lecturer, University of Witwatersrand, Department of Epidemiology & Biostatistics, 2020 – ongoing
- Member, Stellenbosch University Human Research Ethics committee, 2017 – ongoing

Jeannine Uwimana-Nicol

- Member, Cochrane Knowledge translation strategy working group, 2016 – 2019
- Member, Best Evidence Medical Education (BEME) Board, 2015 – 2019
- 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, Cochrane Africa Steering Group, 2017 – date
- Member, Senate, Stellenbosch University, 2017 –
- Member, Academy of Science of South Africa, 2017 –
- 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
- Invited member of the Chronic Disease Initiative for Africa, April 2014 – ongoing
- Member, Scientific committee, 9th International Conference for EBHC Teachers and Developers, 2019
- Member, Scientific committee, PHASA, 2019
- Member, Scientific committee, SUSAN SSACAB, 2019

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/WHO Working Group, 2018 – ongoing
- Member, Cochrane Fields Executive Committee, 2015 – ongoing
- Mentor, Cochrane African Network, 2016 – ongoing
- Member, Cochrane Knowledge Translation Evaluation Working Group, 2020
- Member, South Africa GRADE Network, 2018 – ongoing
- Invited member of international advisory group for the research project, "Enabling sustainable public engagement in improving health and health equity" (IHC CHOICE) project, Norwegian Institute of Public Health, 2020
- Methodologist. WHO Guideline Development Group for the Food and Nutrition Action in Health Systems Unit, Department of Nutrition and Food Safety, World Health Organization, 2020
- Member: WHO Nutrition Guidance Expert Advisory Group (NUGAG) Subgroup on Policy Actions, Safe, Healthy and Sustainable Diets Unit, Department of Nutrition and Food Safety, World Health Organization Guideline Development Groups, 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

Amanda Brand

- Member, Cochrane Nutrition coordinating team, 2019 – date
- Member, SA GRADE Network, 2020 – date.

Anke Rohwer

- Methods Editor, Cochrane Public Health, October 2014 – ongoing
- Editor, Cochrane Infectious Diseases, August 2020 – ongoing
- Lead of Teaching Methods Consultants Group, Evidence-based Research Network (EVBRES), 2018 – ongoing
- Peer reviewer, Environment International, February 2020
- Peer reviewer, African Journal of Primary Health Care & Family Medicine, June 2020 Abstract reviewer: Cochrane Colloquium, May 2020

Anel Schoonees

- Member, Cochrane Africa Steering Group, 2017 – present
- Member of coordination team, Cochrane Nutrition, 2018 – present
- Member, CEBHC Management Committee, 2012 – 2014 and 2018 – present

Michael McCaul

- Founding Member, SA GRADE Network, 2018 – present
- Member, Global GRADE Working Group, 2018 – present
- Member, Individual Guidelines International Network (G-I-N), 2018 – present
- Section Editor, African Journal of Emergency Medicine (International Indexed Journal), 2016 – present
- International Peer Reviewer for various journals: PlosOne, BMJ, AFJEM, Journal of Clinical Epidemiology, JAMA, SAFP etc.
- Vice-president of the Emergency Care Society of South Africa, 2015 – ongoing
- External examiner UCT MPhil Emergency Medicine, Clinical Research Methods (CRM I) Module, 2017 – ongoing
- External examiner CPUT BSc EMC Research Methods Module and Projects, 2021 – ongoing.
- WHO Guideline Methodologist, Moderate and Severe Malnutrition Guidelines, 2020 – present
- Guideline Methodologist, AFEM RSA Emergency Care Guidelines, 2016
- Expert panel member, Belgian Red Cross African First Aid Guidelines, 2018
- Member, Centre for Evidence-based Health Care Management Committee, 2019 – 2020
- Advisory Board Member, Cape Peninsula University of Technology Emergency Care Department, 2016 – ongoing
- Member, UCT & SU Emergency Medicine Department Research Committee, 2015 – ongoing

Peter Nyasulu

- Editorial Board Member, BMC Infectious Diseases
- Member of Board, Faculty of Medicine & Health Sciences, Stellenbosch University
- Member, America College of Epidemiology
- Member, Royal Society of South Africa
- Member, International Epidemiology Association
- Executive Member, Africa Epidemiology Association
- External Expert Member, Health Research Ethics Committee of the Human Sciences Research Council, South Africa
- Member, Ethics Committee of Faculty of Medicine & Health Sciences, SUN
- Member, Joint Postgraduate Committee, Department of Global Health
- Editorial Board Member, Malawi Medical Journal
- Executive Member, Africa Centre for EHealth Excellence
- Expert Panel Member, National Research Foundation, South Africa
- Member, Expert Review Committee of the Primary Healthcare and Adult Hospital Level of the National Department of Health, South Africa
- Member, Peer Review Panel of Academy of Science of South Africa (ASSAf) for Evaluating journals of other disciplines

TEACHING SESSIONS

SESSIONS FACILITATED FOR UNDERGRADUATE PROGRAMMES

Program	No. of Sessions (hours)	No. of students
Dietetics 3 rd years	56	36
Health in context	29	420
Introduction to Clinical Medicine	5	300
Clinical Pharmacology	8	300
Undergraduate research workshop	6	65

SESSIONS FACILITATED FOR POSTGRADUATE PROGRAMMES

We convene various modules of the MSc in Clinical Epidemiology (SU) and facilitate the learning of many sessions. In 2020 we moved all teaching and learning online. An intensive yet rewarding exercise!

1. Fundamentals of Epidemiology

2. Systematic Reviews and Meta-Analysis

3. Writing and Reviewing Scientific papers

4. Diagnosis and Screening

5. Biostatistics I

6. Biostatistics II
7. Research Proposal Writing and Grantmanship

8. Teaching EBHC

9. Clinical Practice Guidelines

10. Randomised Controlled Trials

11. Infectious Disease Epidemiology

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.



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



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