

HST Bulletin\_15 July 2022

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## CATEGORIES

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## ACADEMIC AND PEER REVIEWED ARTICLES

### **Stepped care to optimize pre-exposure prophylaxis (PrEP) effectiveness in pregnant and postpartum women (SCOPE-PP) in South Africa: a randomized control trial**

*BMC Public Health* | 7 July 2022

*Dvora Davey, Kathryn Dovel, Susan Cleary, Nehaa Khadka, Nyiko Mashele, et al.*

Women in sub-Saharan Africa face high HIV acquisition risk during pregnancy and breastfeeding with HIV incidence doubling during pregnancy and the postpartum period compared with non-pregnant/breastfeeding women. Seroconversion during pregnancy or breastfeeding substantially increases the risk of vertical transmission, and accounts for nearly one-third of all infant HIV infections. As fertility rates in the region remain high, high HIV risk during pregnancy and postpartum translates to a substantial cumulative period of risk for women spanning over decades of women's lives, underscoring the urgent need for prevention interventions tailored to at-risk pregnant and postpartum women. While the elimination of mother-to-child transmission (eMTCT) services have expanded rapidly in the region, few prevention interventions exist for most pregnant women who initially test HIV-negative. This is a major missed opportunity that has implications for women, their partners, and infants.

### **The practice of pilot/feasibility studies in informing the conduct of HIV related clinical trials in sub-Saharan Africa: A scoping review**

*Elsevier* | 8 July 2022

*Sylvia Nalubega, Larence Osuwat, Poku Agyeiwaa, Catrin Evans, John Matovu Junior*

Pilot/feasibility studies represent a fundamental phase of the research process and are largely a research methodological requirement. Feasibility studies are pieces of research done before a main study and are used to estimate important parameters that are needed to design the main study, while pilot studies are a smaller version of the main study used to test whether the components of the main study can all work together. Though representing slightly different objectives, pilot and feasibility studies are essential in assessing the feasibility, acceptability, safety of treatment or interventions, recruitment potential, randomization and blinding processes, and provide estimates for sample size calculation (see Table 1, Table 2, Table 3, Table 4, Table 5).

## **Qualitative and Quantitative Data for Tuberculosis Infection Prevention and Control in KwaZulu-Natal and Western Cape, South Africa, 2018-2021**

*London School of Hygiene & Tropical Medicine | 8 July 2022*

*AD Grant and K Kielmann*

This multidisciplinary project adopted a 'whole systems' approach using methods from epidemiology, anthropology, and health systems research (Systems dynamic modelling) to understand the context, practice, and the potential for effective implementation of IPC for TB in South Africa. This project was conducted over four years (2017–2021) and had three stages: 1) observe & measure (data collection), 2) combine & design (system dynamics workshops) 3) model & cost (mathematical and economic modelling). These three phases of the project addressed seven research question. Research question 1 described the policy and systems context by looking at how South African policies on IPC for TB have evolved and been implemented. We spoke with members of civil society, and policymakers. For Research question 2, which related to the epidemiological context, we estimated how much TB transmission happens in clinics compared to other community locations. We estimated how many adults attending clinics had active TB and/or TB symptoms.

## **Optimizing the World Health Organization algorithm for HIV vertical transmission risk assessment by adding maternal self-reported antiretroviral therapy adherence**

*BMC Public Health | 8 July 2022*

*Sheila Fernandes-Luis, Maria Lain, Miquel Serna-Pascual, Sara Domínguez-Rodríguez, Louise Kuhn, et al.*

Vertical transmission (VT) of HIV remains an unacceptable 12% in many Global Plan priority countries, where 90% of the world's pregnant women are living with HIV. Since implementation of Option B+ strategy, antiretroviral therapy (ART) coverage among pregnant women in eastern and southern Africa increased from 84 to 92%. However, the goal of eliminating new paediatric infections by 2030 will likely be compromised by multiple challenges in the VT-prevention cascade, including access to adequate postnatal prophylaxis among HIV-exposed infants. VT prevention guidelines have evolved recently. Extended nevirapine (NVP) postnatal prophylaxis and dual or triple antiretroviral (ARV) prophylaxis have shown to halve VT among HIV-exposed infants compared with short courses of AZT or NVP alone. The latest World Health Organization (WHO) guidelines recommend enhanced post-natal prophylaxis with daily zidovudine (ZDV) and NVP for the first 6 weeks of life for HIV-exposed infants at high-risk of HIV acquisition, followed by an additional 6 weeks if high-risk and breastfeeding. HIV-exposed infants at low-risk of VT should receive 4–6 weeks of prophylaxis with daily NVP (or twice-daily AZT).

## **Circular RNA vaccine, a novel mRNA vaccine design strategy for SARS-CoV-2 and variants**

*MedComm Open Access | 10 July 2022*

*Peng Su, Lei Zhang, Fangfang Zhou, Long Zhang*

Qu et al., in a paper published in Cell, proposed a novel vaccine design strategy that utilizes circular RNA to express the trimeric receptor binding domain (RBD) of the SARS-CoV-2 spike protein to elicit antibody responses and cellular immunity in mice and rhesus macaques. mRNA vaccines can elicit a dose-dependent antibody response with high virus-entry inhibition titers and strong Th1-biased CD4+ T-cell responses and IFN- $\gamma$ + CD8+ T cell responses. However, mRNA vaccines still have issues, such as insufficient stability at long-term nonrefrigerator temperatures and production and transportation demands. This study shows the advantages and therapeutic potential of circRNA vaccines against SARS-CoV-2 and its emerging variants (Figure 1).

## **Changing mortality amongst hospitalised children with Severe Acute Malnutrition in KwaZulu-Natal, South Africa, 2009 – 2018**

*BMC Nutrition | 12 July 2022*

*S Ndlovu, C David-Govender, P Tinarwo & KL Naidoo*

The under-five mortality rates of children in South Africa (SA) remain high despite successful HIV prevention and treatment programs. The in-hospital mortality of children with severe acute malnutrition remains a key obstacle. This study identifies and describes changes in the mortality of under-five children with severe acute malnutrition (SAM) following the implementation of HIV and malnutrition prevention and treatment programmes.

## **Using a mixed-methods approach to adapt an HIV stigma reduction to address intersectional stigma faced by men who have sex with men in Ghana**

*Journal of the International AIDS Society* | 12 July 2022

*Laura Nyblade, Melissa A Stockton, Khalida Saalim, Gamji Rabi Abu-Ba'are, Sue Clay, et al.*

In Ghana, men who have sex with men (MSM) are estimated to be 11 times more likely to be living with HIV than the general population. Stigmas at the intersection of HIV, same-sex and gender non-conformity are potential key drivers behind this outsized HIV disease burden. Healthcare workers (HCWs) are essential to HIV prevention, care and treatment and can also be sources of stigma for people living with HIV and MSM. This article describes the process and results of adapting an evidence-based HIV stigma-reduction HCW training curriculum to address HIV, same-sex and gender non-conformity stigma among HCWs in the Greater Accra and Ashanti regions, Ghana.

## **PrEP use and HIV seroconversion rates in adolescent girls and young women from Kenya and South Africa: the POWER demonstration project**

*Connie L Celum, Elizabeth A Bukusi, Linda Gail Bekker, Sinead Delaney-Moretlwe, Lara Kidoguchi, et al.*

*Journal of the International AIDS Society* | 13 July 2022

HIV incidence remains high among African adolescent girls and young women (AGYW). The primary objective of this study is to assess pre-exposure prophylaxis (PrEP) initiation, use, persistence and HIV acquisition among African AGYW offered PrEP in order to inform PrEP scale-up.

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## **RECENT PUBLIC HEALTH NEWS**

### **New app makes sexual health issues as easy as ordering food online**

*IOL* | 7 July 2022

A new digital platform and app FemConnect was launched this week aiming to make menstrual hygiene, Sexual and Reproductive Health and Rights (SRHR) wellness, and family planning easily accessible. That platform and app will see women in sub-Saharan Africa have quick access to organic menstrual hygiene products, as well as free access to tele-health across sexual and reproductive wellness and family planning. FemConnect also has a feature that enables citizens to donate sanitary pads, as well as apply to mentor a young girl.

### **'Load shedding is a matter of life and death' – nurses union**

*Health-e News* | 8 July 2022

As South Africans try to cope with the ongoing load shedding situation, health facilities across the country are under severe pressure to maintain their day-to-day activities. Sadly, this sometimes means losing a patient when oxygen or life-saving equipment isn't readily available. The National Health Department said 70 percent of public facilities have generators, but health workers say these are often unfueled and unmaintained. When a life is on the line: In light of the dire situation, the President of the Young Nurses Indaba Trade Union, Lerato Madumo-Gova, described the impact of load shedding as a matter of life and death. "Load shedding is affecting all our public health facilities in the country. All the facilities depend on electricity supply," said Madumo-Gova.

### **Women's Post-Pandemic Health Sharply Contrasts Men's, New CVS Health Study Reveals**

*Forbes* | 11 July 2022

CVS Health's 2022 Health Care Insights Study finds that female U.S. consumers are very interested in engaging health care providers in discussions about their holistic health, mental health, and physical health goals, although women post-pandemic struggle more with mental health, anxiety, and achieving their health goals compared to men. The study, conducted among 1,000 U.S. consumers and 400 health care providers, reveals consumers' evolving views about a post-pandemic health care industry, how consumers perceive their own wellbeing, and what consumers define as an ideal care delivery experience. According to the report, coordination and communication are the two watchwords for a new generation of health care.

### **Monkeypox: Cabinet urges symptomatic people to seek treatment after third case**

## confirmed in SA

*News24 | 11 July 2022*

Cabinet has advised people who experience symptoms of fever, general flu-like signs, followed by a blister-like rash, to report to their nearest healthcare facility as the country confirmed a third case of monkeypox on Monday. The Limpopo health department said in a statement that the National Institute for Communicable Diseases (NICD) had confirmed the third case in a 42-year-old male tourist from Switzerland. The man, who is holidaying in South Africa, presented with symptoms, including a rash, muscle ache and fatigue. His infection was later confirmed as monkeypox. "Three contacts have already been identified, and none of them have developed signs thus far," provincial Health MEC Phophi Ramathuba said in the statement.

## South Africa: Health Department Works With WHO to Assess Risk of Spreading Monkeypox

*AllAfrica | 11 July 2022*

The Department of Health and the National Institute for Communicable Diseases (NICD) is collaborating with the World Health Organisation (WHO) to assess the risk for local transmission of Monkeypox. According to the Cabinet statement on Monday, this is done in line with the International Health Regulations (IHR), a legally binding agreement of 196 countries to build the capability to detect and report potential public health emergencies worldwide. On Thursday, Cabinet said it was updated on the latest developments in the spread of Monkeypox disease in the country following the recent confirmation of a second case.

## Children Are Doing 20% Less Physical Activity Amid The Pandemic, Study Finds

*Forbes | 11 July 2022*

Children's physical activity worldwide dropped by 20% over the Covid-19 pandemic, according to a JAMA Pediatrics study released Monday – a “developmental turning point,” researchers say, and a finding that risks lingering beyond a pandemic marked by school closures and lockdowns.

### KEY FACTS

- Higher intensity activities fell 32% – according to the findings from 22 international peer-reviewed studies on 14,000 children between Jan. 1 2020 and Jan. 1, 2022 – corresponding to a 17-minute reduction in moderate to vigorous daily physical activity.
- A 17-minute decline in physical time also represents a one-third reduction in recommended physical activity for young children and school children, to promote good physical health and psychosocial functioning, the study found.

## COVID-19 | Standard Bank scraps mandatory vaccination policy

*eNCA | 11 July 2022*

Standard Bank has scrapped its mandatory vaccination policy with immediate effect. In an internal memo to employees, seen by eNCA, the bank says it took the decision following a review of its policy. It says it considered current regulatory developments, as well as the state of the COVID-19 pandemic in South Africa. It's confident with its decision because 95% of employees are vaccinated. The policy change means that it is no longer compulsory for employees to get vaccinated or to produce a negative PCR test when going into the office.

## Harvard magazine honours three SA scientists leading public health in Africa

*IOL | 11 July 2022*

Three leading South African scientists have been named in the Harvard Public Health Magazine's list of 25 standout voices in African public health. HIV scientists Professor Quarraisha Abdool Karim and her husband Professor Salim Abdool Karim, as well as drug development pioneer Professor Kelly Chibale have been honoured for being leaders in shaping policy and practice on the continent. The prestigious magazine listed Professor Salim Abdool Karim, director of the Centre for the AIDS Programme of Research in South Africa (CAPRISA), for his work in the prevention and treatment of HIV and tuberculosis.

## World population to reach 8 billion this year, as growth rate slows

*World Health Organization | 11 July 2022*

The latest UN projections suggest that the world's population could grow to around 8.5 billion in 2030 and

9.7 billion in 2050, before reaching a peak of around 10.4 billion people during the 2080s. The population is expected to remain at that level until 2100.

### **COVID vaccines and pregnancy: a review of the evidence shows they are safe**

The Conversation | 11 July 2022

Current COVID-19 vaccines were not tested in pregnant women in the initial clinical trials. But in many countries, pregnant women did get the vaccine. Observational studies have been done since the vaccines became available, to generate information on the vaccines' safety and how well they work. We reviewed more than 30 studies from a number of different countries that had data on pregnant women and COVID vaccines.

### **Health services go mobile**

People's Post | 12 July 2022

The Desmond Tutu Health Foundation (DTHF) is bringing its services closer to residents in the Klipfontein Mitchell's Plain Substructure (KMPSS). Focusing on HIV/Aids prevention with its Fast PrEP initiative, the foundation launched a two- to three-year study in Hanover Park on Thursday, but the study will service various areas across the basin. "Pre Exposure Prophylaxis (PrEP) is a chemical condom. It is a once-daily tablet that helps with the prevention of HIV," says project lead Dr Justine Stewart. PrEP can only be administered to persons who test HIV negative.

### **Matter of urgency: HIV prevention and support for women**

Health-e News | 12 July 2022

Young girls and women in SA between 15 and 24 continue to be most at risk of HIV, yet access to preventative measures and support remains low. According to UNAIDS, young women in sub-Saharan Africa are twice as likely to become infected with HIV than males. Peaceful Kgomo, 27, often leaves her local clinic empty-handed. "Testing services and condoms are easily available, but PrEP (pre-exposure prophylaxis) isn't. Most of the time when we go to the clinic, we are told that there isn't stock," said Kgomo.

### **WHO warns COVID-19 pandemic 'nowhere near over'**

eNCA | 12 July 2022

Fresh surges of Covid infections show the pandemic is nowhere near over, the World Health Organization's chief lamented Tuesday, warning that the virus is running free. Tedros Adhanom Ghebreyesus said he was worried that case numbers were shooting up, putting more strain on health systems and workers. The number of Covid cases reported to the WHO increased 30 percent in the past two weeks, driven by sub-variants of the Omicron strain and the lifting of control measures. "New waves of the virus demonstrate again that Covid-19 is nowhere near over. As the virus pushes at us, we must push back," he insisted. He told a news conference that as transmission increases, governments must also deploy tried-and-tested measures like mask-wearing and improving ventilation. "Sub-variants of Omicron, like BA.4 and BA.5, continue to drive waves of cases, hospitalisation and death around the world," Tedros said.

### **Measles Outbreak Situation Update in Tshwane District, Gauteng Province**

NICD | 12 July 2022

As of 11 July 2022, no new laboratory-confirmed measles cases were reported to be linked to the measles outbreak in Tshwane District. The number of measles cases detected and epidemiologically linked to the measles outbreak in the Tshwane District remains at four. The last laboratory-confirmed measles case was reported on 25 June 2022. Additional laboratory-confirmed measles cases detected in the Tshwane district had no epidemiological link to the home-based school facility measles outbreak.

### **Urgent call for better use of existing vaccines and development of new vaccines to tackle AMR**

World Health Organization | 12 July 2022

The World Health Organization today released the first-ever report on the pipeline of the vaccines currently in development to prevent infections caused by antimicrobial-resistant (AMR) bacterial pathogens. WHO's analysis points to the need to accelerate trials for AMR related vaccines in late-stage development and maximise the use of existing vaccines. The silent pandemic of antimicrobial resistance

is of major growing public health concern. Resistant bacterial infections alone are associated with nearly 4.95 million deaths per year, with 1.27 million deaths directly attributed to AMR. But AMR is about more than bacterial infections. AMR occurs when bacteria, viruses, fungi, and parasites change over time and no longer respond to medicines. When an individual becomes infected with these microbes, the infection is said to be resistant to antimicrobial medicines. These infections are often difficult to treat.

### **Matter of urgency: HIV prevention and support for women**

*Health-E News | 12 July 2022*

Young girls and women in SA between 15 and 24 continue to be most at risk of HIV, yet access to preventative measures and support remains low. According to UNAIDS, young women in sub-Saharan Africa are **twice as likely to become infected with HIV** than males. Peaceful Kgomo, 27, often leaves her local clinic empty-handed. "Testing services and condoms are easily available, but **PrEP** (pre-exposure prophylaxis) isn't. Most of the time when we go to the clinic, we are told that there isn't stock," said Kgomo.

### **World Health Organization warns COVID-19 is 'running freely' and global deaths are unacceptably high**

*Sky News | 13 July 2022*

The head of the World Health Organisation (WHO) has urged governments across the world to deploy measures like masking and improved ventilation amid unacceptably high numbers of deaths. While many governments of wealthier countries have all but abandoned coronavirus restrictions following successful vaccine rollouts, the organisation's director-general emphasised that the pandemic is "nowhere near over". Dr Tedros Adhanom Ghebreyesus said sub-variants of Omicron continue to drive new waves of cases, hospitalisations and deaths around the world. Amid increasing COVID transmission and rising hospitalisations, Dr Tedros urged governments to "deploy tried and tested measures like masking, improved ventilation and test and treat protocols". "I am concerned that cases of COVID-19 continue to rise - putting further pressure on stretched health systems and health workers," he said.

### **'Centaurus': virologists express concern at new Covid subvariant**

*The Guardian | 13 July 2022*

Virologists have voiced concerns about the emergence of another fast-spreading Omicron variant, which is rapidly gaining ground in India and has already arrived in the UK. The warning came as MPs called for redoubled efforts to persuade the nearly 3 million adults in England who have not yet received a single dose of Covid vaccine, to take up the offer of vaccination. The BA.2.75 variant – nicknamed "Centaurus" – was first detected in India in early May. Cases in the UK have since risen steeply – and apparently faster than those of the extremely transmissible BA.5 variant, which is also present in India, and is rapidly displacing the previously dominant BA.2 variant in many countries.

### **Responding to Children's Bereavement During the COVID-19 Pandemic**

*Learning for Justice | 13 July 2022*

More than two and a half years in, the coronavirus pandemic has affected us in multiple ways, from job losses and remote learning to mask mandates and constant risk assessment whenever we venture out in public. But the most devastating effect is the staggering loss of life. Worldwide, 15 million people are estimated to have died from COVID-19, and the United States surpassed the grim milestone of one million deaths in May 2022. The impact of COVID-19—and deaths in particular—has been heaviest in communities that have historically faced barriers and oppression due to poverty, systemic racism and marginalization. "We had several students with very close family members passing away," explains Monica Bryson-McCoy, a school counselor in India Hook Elementary School in Rock Hill, South Carolina, "and the adults were starting to be very concerned."

### **Covid vaccines and pregnancy: A review of the evidence shows they are safe**

*Health24 | 13 July 2022*

Covid vaccines have been contentious ever since they were developed in response to the coronavirus pandemic, though the evidence is that they are safe and effective. One of the concerns has been whether the vaccines were safe for pregnant women. A recent review looked at the evidence available from North America, Israel and Europe. The Conversation Africa's Ozayr Patel asked vaccine specialist Marta C. Nunes to sum up the findings.

How did you gather the evidence?

Current Covid-19 vaccines were not tested in pregnant women in the initial clinical trials. But in many countries, pregnant women did get the vaccine. Observational studies have been done since the vaccines became available, to generate information on the vaccines' safety and how well they work.

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## TRAINING AND RESOURCES

### Subscribe to the Health Systems Trust Bulletin

The Health Systems Trust (HST) produces a weekly bulletin on Fridays focusing on key public health news, peer-reviewed journal articles and other important primary healthcare resources.

### Subscribe to the Health Systems Trust 60percent

HST produces a weekly online publication, 60percent, which keeps subscribers abreast with the latest news and developments pertaining to HIV-related maternal, adolescent, child and youth health. The name 60percent signifies that southern Africa is responding to a feminised HIV/AIDS epidemic, with at least 60% of those living with HIV being women. Subscribe to 60percent by simply visiting HST's website (<https://www.hst.org.za>), scroll to the bottom of the page, hit the SUBSCRIBE button, and follow the prompts. Let's keep you posted!

### HSTi offers accredited and non-accredited short courses and full programmes

The Health Systems Training Institute (HSTi) is the training arm of the Health Systems Trust (HST), a leading force in the South African public health sector. HST was established in 1992, on the brink of democracy in South Africa, and has since played a significant role in strengthening the national primary health system through health research, informatics, clinical support, capacity-building and training.

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## PUBLICATIONS AND REPORTS

### South African Health Review 2021

*Health Systems Trust | 2021*

When it comes to service delivery and access in both the public and private health sectors, COVID-19 has put everything to the test. It has demonstrated how central public health security is to health and livelihoods, and how pandemic health emergencies expose the weaknesses and vulnerabilities of health systems, costing lives and causing immeasurable damage to economies. Few could have imagined the impact of COVID-19 when this pandemic reached our shores in March 2020.

This edition considers the government's and broader health sector's response to COVID-19, explores the current challenges facing the health system at this unprecedented time, and reflects on lessons learnt for future for public health emergencies. The chapters offer information on, inter alia, the challenges of balancing lives with livelihoods, and the impact of COVID-19 on different cadres of healthcare workers, especially Community Health Workers who found themselves at the forefront of our COVID-19 response. Other areas covered include the impact of COVID-19 on vulnerable populations like children, persons with disabilities, farmworkers, migrants, and the poorest in our society.

### Health Care Insights Study 2022

*CVS Health | 2022*

The nation has emerged from the COVID-19 pandemic with a stronger desire for providers to put the care back into health care. People are seeking a deeper and more meaningful relationship with their providers. They view their health encompassing social, emotional, and mental health, in addition to physical health – and are increasingly searching for a health care experience that is more holistic, collaborative, affordable, and convenient. To provide this complex and highly personal type of health care, coordination and communication among patients and their health care team is vital. The 2022 Health Care Insights Study by CVS Health® – which highlights the ways in which health care must continuously evolve to meet

consumers where they are in their health journey - reveals that people are hungry for the next chapter in their health and wellness journeys.

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## CONFERENCES AND EVENTS

### **Webinar: WHO & UNFPA, Sexual and Reproductive Health and Universal Health Coverage Learning by Sharing Portal**

Date: 19 July 2022

Time: 13:00 – 14:00 UTC Time

Addressing a gap in evidence and guidance, the Portal profiles national-level implementation stories on advancing access to quality and comprehensive sexual and reproductive health as an integral component of wider UHC strategies and processes.

### **Virtual indigenous peoples panel discussion: Inputs to the Report on Health and Nature-Based Solutions**

Date: 25 July 2022

Time: 16:00 – 17:30 UTC Time-2

Chair: Mukaro Borrero, International Indian Council

Organizers: WHO/HQ Department for Gender, Equity and Human Rights and WHO/HQ Department of Environment, Climate Change and Health.

Indigenous peoples are among those who have contributed least to the problem of climate change, yet they are the ones suffering from its worst impacts. Furthermore, Indigenous peoples play a fundamental role in the conservation of biological diversity and the protection of forests and other natural resources, and their traditional knowledge of the environment can substantively enrich scientific knowledge and adaptation activities when taking climate change-related actions.

### **Introduction to recent World Health Organization (WHO) publications on Patient Blood Management, Clinical Use of Blood and Haemovigilance Systems Webinar**

Date: 26 July 2022

Time: 09:00 – 16:00 UTC Time

Blood transfusions are essential to patient care, and often lifesaving. However, challenges exist to achieve adequate supply of safe blood for transfusion. One of the challenges is suboptimal clinical practices that compromise patient safety and make inappropriate use of the already scarce blood products available. Furthermore, many health care systems are over-reliant on use of transfusions, whereas a more holistic approach to patient care should be considered. As a result, patient outcomes are affected, and health care costs increase.

### **PHASA (Public Health Association of South Africa) 17<sup>th</sup> annual public health conference**

Date: 11 – 14 September

Location: Durban

Late Registration: 16 July – 26 Aug 2022

The Public Health Association of South (PHASA) invites you to attend their annual conference in Durban (eThekweni), on the east coast of South Africa. PHASA hosts an annual conferences, with the aim of engaging public health practitioners and interested people from around the country and world to share their experiences and research, discuss topical public health issues, and mentor public health students and young researchers. Hosting the national PHASA conference in Durban aims to add stimulus to the local economy, and contribute to enhanced awareness and widespread advocacy, for health, the social determinants of health, and healthcare in the region.

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## **JOB OPPORTUNITIES**

### **CCPAC Project Patient Navigators (x2): HEALTH SYSTEMS STRENGTHENING (HSS) UNIT**

Closing Date: 2022-07-25

### **CCPAC Project Technical Assistance Nurses (x2): HEALTH SYSTEMS STRENGTHENING (HSS) UNIT**

Closing Date: 2022-07-25

### **Clinical Laboratory Advisor – eThekweni District: HEALTH SYSTEMS STRENGTHENING (HSS) UNIT**

Closing Date: 2022-07-25

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