



Health Systems Trust Organisational Profile

Strengthening health systems since 1992



**HEALTH
SYSTEMS
TRUST**

The Health Systems Trust (HST) is a leading role-player in the South African public health arena focusing on health systems strengthening, research, and strategic support to the implementation of priority health programmes. Established in April 1992 on the brink of democracy in South Africa, HST has played a significant role in the evolution of the national health system. Today our strength lies in the knowledge, insight and experience we harness through synergising our research and implementation outputs towards a healthy life for all.



OUR VISION

Improved health access and outcomes in South Africa and beyond.

OUR MISSION

A renowned African organisation driving change for effective and equitable health systems.

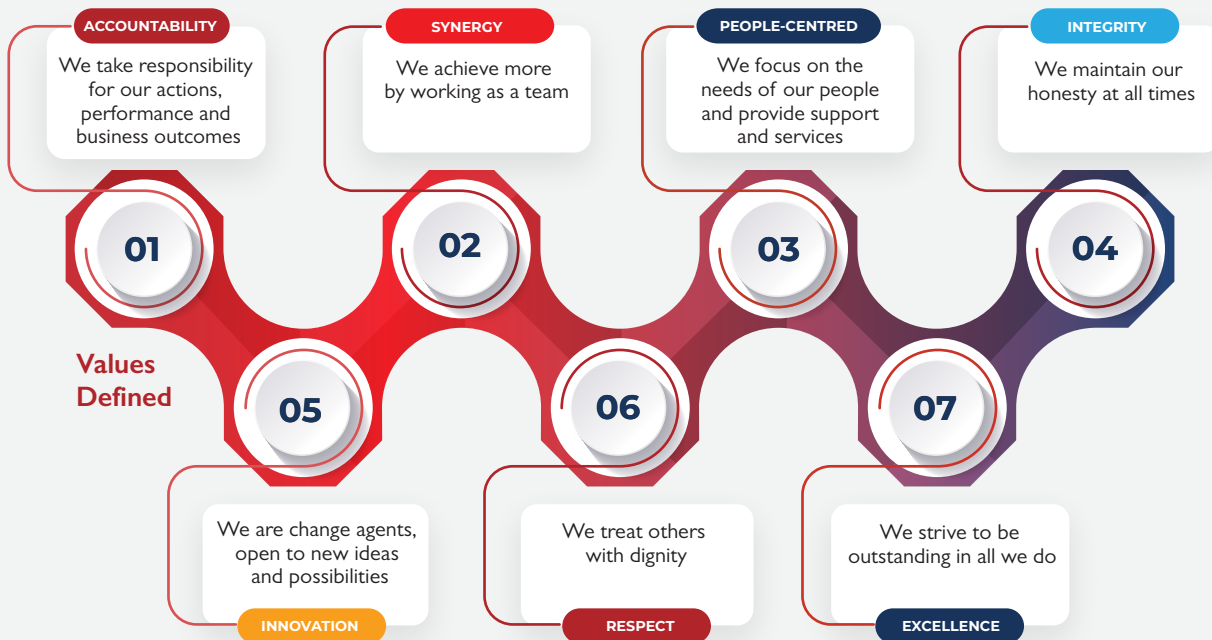
OUR APPROACH

A PHC and implementation science approach that is:

- Continuous quality improvement and capacity development
- Collaborative
- Evidence-based, locally driven
- People-centred
- Multidisciplinary
- Innovative

OUR VALUES

Our values as an organisation always motivate us to aim higher and strive to be and do better. They are easily remembered by the acronym ASPIRE which captures the essence of who we are.



INTRODUCTION

HST's scope of operation ranges from regional and national levels, through provinces, districts and facilities and into communities, and has expanded into the southern African region.

HST's areas of expertise include information for decision-making, leadership and community engagement, human resources, and quality improvement of service delivery. In short, we support the health system and those who work in it.

With a strong and credible brand, extensive capacity for innovation, and unflinching passion shared by all employees, HST offers a wealth of talent and powerful assets to health systems enhancement. While our nuanced grasp of the challenges faced at primary health care level has led us to develop inventive, locally

responsive solutions in support of the global health agenda, we provide effective assistance for the introduction of universal coverage in health services through South Africa's National Health Insurance, and in initiatives such as the re-engineering of primary health care (PHC) and improving quality of care.

The Health Systems Trust operates through its Programmes and Projects and Support Services. The wide variety of projects managed by the directorates and units are arranged according to our five core business areas:

1. Providing management and implementation support in health districts
2. Supporting implementation of priority health programmes
3. Conducting essential national health research

4. Generating information for planning, monitoring, evaluation and decision-making
5. Offering guidance, mentoring and training on good practice development

The Programmes' Directorate consists of Research Implementations Science (RIS), which focuses primarily on research, and the Health Systems Strengthening (HSS) Unit, which focuses on the implementation of technical support on behalf of the South African government as well as international and national donors.

The functions of Corporate Services are delivered by a number of specialist units – finance, human resources, information technology, administration, business development, and marketing and communications – that are fully resourced with the requisite expertise and infrastructure to both maintain and respond to new directions in HST's operational and strategic mandates. Skilled management of large-scale grants awarded to HST ensure that donor funding is effectively and responsibly disbursed.

Comprising a diverse group of professionals an independent Board of Trustees guides and provides oversight of HST, ensuring efficient and vigorous corporate governance practices that have yielded a record of unqualified audits since HST's founding in 1992.

Our projects are frequently interrelated in practice, foregrounding the multifaceted nature of health systems and the dynamic relationships that drive healthcare delivery. Now renowned for accomplishments in research and implementation embedded in a culture of continuous improvement, HST is proud to partner with numerous organisations and funding institutions in South Africa and internationally.

MANAGEMENT AND IMPLEMENTATION SUPPORT

In its early years, HST swiftly established benchmarks for excellence in building capacity and systems in health districts and sub-districts. Whilst the journey of improvement towards optimum health systems encounters perennial challenges, our approach in applying good practice in management and implementation support has resulted in far-reaching transformation of public health in South Africa, as the following projects illustrate.



The SA SURE PRO Project strengthens local capacity for providing sustainable care and treatment services for HIV, tuberculosis and Maternal, Child and Women's Health (MCWH) in South Africa.

HST serves as Provincial Support Partner and District Support Partner (DSP) in the eThekweni, uMgungundlovu, uThukela and Zululand Districts of KwaZulu-Natal (KZN), through an approach aimed at building sustainability through management support. This is grounded in formal training designed to build accountability and consequence-management strengths in the Department of Health (DoH) management teams, and to provide ongoing mentorship and coaching at all levels of the health system.

We implement a hybrid model of direct service delivery (DsD) and technical assistance (TA), whereby supplemental staff are assigned to provide facility- and community-based service delivery in partnership with DoH staff, and HIV and TB subject-level experts are assigned to provide technical support to DoH managers. This work covers 378 facilities, with DsD staff allocated to 249 facilities across the four districts. Interventions for HIV and tuberculosis (TB) epidemic control are crafted to build the capacity of communities, civil society and the DoH for HIV and TB case-finding, adult and child HIV care and treatment services, laboratory strengthening services, elimination of mother-to-child transmission of HIV (EMTCT), TB/HIV co-infection, community engagement, and health system strengthening.

Our work centres on supporting the key areas of community, facility, leadership, and education, and over the past year, the transition to a primarily TA-led approach is steadily yielding change. Our intense focus on management development through investing in HST Clinical Advisors, training in behaviour change for DoH leaders, and mentoring of facility Operational Managers and hospital CEOs, is moving programme implementation towards sustainability. This is critical to the system strength required in the DoH for continuity of practice and activities.

The Acting Deputy Director General of Clinical Support Services, Ms Penny Msimanage, envisioned establishing a centralised Data Command Centre to enhance the KwaZulu-Natal Department of Health's capacity for data-driven decision-making. This is how



the KwaZulu-Natal DoH Data Command Centre, a sub-project of SA SURE PRO, was established.

To support this vision, HST was approached to assist with the development of the Data Command Centre. A task team has been established, chaired by the Director of Strategic Information, Mr Andile Ngcobo. A dedicated room at the Natalia Building in Pietermaritzburg has been allocated to house the command centre. The space will feature large TV screens and a touch screen, enabling interactive visualisation and engagement with programmatic data.

The KZN Data Command Centre aims to transform health data into actionable insights to support data-driven decision-making, improve resource allocation, and enhance disease surveillance across the province.

In Phase I of the DO ART Demonstration Project, the teams followed up on all HIV-positive patients who were enrolled for community-based HIV services for a minimum period of 12 months, and transferred those who were eligible to differentiated models of care (DMoC). To inform appropriate service delivery, a secondary objective of the project was to understand the experiences and preferences among male and female participants receiving services.

Based on Phase I achievements, HST implemented Phase 2 of the project during the year under review by providing technical assistance to the KwaZulu-Natal Department of Health (KZN-DoH) and its Implementing Partners (IPs) to render patient-centred community-based care for improved health outcomes. With continued funding from the Bill & Melinda Gates Foundation, this second phase of work is guided by two objectives:

- Continued mentoring and provision of technical support to the outreach teams rendering services to the existing DO ART cohort of patients
- Sharing of lessons learnt as part of technical assistance provision for health systems strengthening

The Cervical Cancer Prevention, Access and Control (CCPAC) Project is implemented in Zululand District, KwaZulu-Natal (KZN). The services offered by the project centre on improving access to early screening, diagnosis treatment and support group services for cervical cancer through community-informed, participatory, evidence-based interventions.

Funded by the Bristol Meyers Squibb Foundation, the project is executed by a consortium of partners comprising HST, Genius Quality, the Cancer &

Infectious Diseases Epidemiology Research Unit (CIDERU) at the University of KwaZulu-Natal (UKZN), and the KZN Department of Health (DoH).

The primary objectives that were set for the three-year project period were to:

1. identify and explore barriers and facilitators to policy and programme implementation of cervical cancer control and prevention in Zululand District through a baseline assessment;
2. design evidence-informed interventions for the cervical cancer prevention, access and control programme in Zululand, using a community-informed approach;
3. educate and raise awareness on cervical cancer in rural and urban communities in Zululand District;
4. improve cervical cancer services by strengthening the health system and clinical interventions for cervical cancer; and
5. strengthen the existing cancer surveillance programme to improve identification of incidence and trends in various rural and urban populations of Zululand District.
6. The team has been gearing towards the final year of implementation, while ensuring that the same level of excellent service and capacity-building demonstrated during the previous reporting period were still evident in the community and the district at large.

‘UBOMI BUHLE’ stands for ‘Understanding Birth Outcomes from Mothers and Infants, Building Healthcare by Linking Exposures’, drawing from an isiXhosa phrase meaning ‘life is beautiful’.

The UBOMI BUHLE project was launched on 1 October 2021 in KwaZulu-Natal to monitor adverse effects on maternal health and birth outcomes from obstetric, therapeutic, clinical, infectious, and/or environmental exposures during pregnancy.

This multi-stakeholder project, with study sites across three provinces, i.e. Gauteng, Western Cape and KwaZulu-Natal, aims to improve understanding of exposures to medicines (including vaccines), substances and diseases during pregnancy that can result in adverse maternal and child health outcomes such as birth defects, low birth weight, stillbirth, premature birth, and neonatal death.

The project employs a series of health system strengthening approaches to monitor the impact of targeted obstetric, therapeutic and clinical interventions. There is a particular focus on the risk of adverse birth outcomes associated with antiretroviral therapy (ART) use, either as prevention through pre-exposure prophylaxis (PrEP) regimens, or as treatment through efavirenz (EFV)-based and dolutegravir (DTG)-based regimens.

In KwaZulu-Natal, UBOMI BUHLE is being implemented in three sites that are linked to the Prince Mshiyeni Memorial Hospital (PMMH) in the eThekweni District: KwaMakhutha, Umlazi D and Umlazi U21 Clinics.

Health Systems Trust (HST) has developed and implemented the Synchronised National Communication in Health (SyNCH) system, in collaboration with the National Department of Health (NDoH), which is

currently used in the Central Chronic Medicines Dispensing and Distribution (CCMDD) Programme. SyNCH supports the CCMDD operations, aiming to enhance patient care by encouraging rational medicine use and supplying healthcare workers with data to facilitate patient management. HST's support at national level has now shifted towards system maintenance and stakeholder training. In addition, the clinical management team at HST continues to collaborate with Provincial Health Departments to review CCMDD provincial formularies in line with the Standard Treatment Guideline (STG) recommendations before integrating them into SyNCH.

Following the launch of Zambia's Digital Health Strategy 2022-2026 by the Ministry of Health, one of the key strategic objectives of the Strengthening Capacity for Health Information Systems Sustainably project is to develop a national electronic health record (EHR) product roadmap and enhance clinical decision support to improve patient safety and health outcomes. In response to the need for a more clinically oriented EHR, the Government of Zambia, through the Smart Zambia Institute (SZI), has initiated the roll-out of SmartCare Pro. This initiative is aimed at strengthening the Zambian Ministry of Health's capacity to establish a sustainable Health Information System (HIS) and support a data-driven health response, particularly focused on accelerating HIV epidemic control.

HST continues to provide technical assistance to the Institute for Health Measurement Southern Africa (IHM) in the development of Clinical Decision Support (CDS) functionality. The HST project management team has provided guidance to the IHM team around

the development of a CDS database for incorporation into an ePrescribing prototype. The support will culminate in a visit to Zambia to workshop the CDS database.

The HIV Lift Project aims at improving HIV testing, care linkage, and engagement among hard-to-reach men in South Africa through an AI-enhanced Social Network Strategy (SNS). This innovative approach leverages technology, such as an AI-powered app or chatbot, to identify, recruit, and re-engage individuals into HIV care. The project will focus on implementing and scaling the AI solution in partnership with WITS Health Consortium Partners (Audere, Genesis Analytics, HSRC, NYU, University of Illinois) and the Department of Health, ensuring its integration into existing health system workflows and sustainability.

Research has shown that human rights and gender-related barriers have a compounding effect on the spread of HIV, STIs and TB; increasing vulnerability and creating challenges for access to services. These human rights and gender-related barriers include stigma, discrimination and human rights violations against people living with HIV, and TB, as well as key and vulnerable populations. The Global Fund for AIDS, TB and Malaria grant for the Human Rights and Medical Ethics Project has made funds available to scale up and strengthen training of health workers on human rights and medical ethics related to HIV and TB for healthcare providers. The training aims to scale up and strengthen the capacity of healthcare practitioners and support staff working in the healthcare environment concerning human rights, gender-based equality and medical ethics.

SUPPORTING IMPLEMENTATION OF PRIORITY HEALTH PROGRAMMES

Improved health outcomes for the uninsured population are the ultimate gauge for assessing South Africa's health-care delivery. Priority interventions include the response to HIV, AIDS and TB, as well as programmes to improve maternal and child health.

In 2024, HST's Health Information Technology (HIT) Project team celebrates nine years of supporting the National Department of Health (NDoH) to ensure the sustainability of South Africa's health information systems (HIS). Since 2015, our Health Information Technology (HIT) team has successfully implemented the Health Patient Registration System (HPRS) in public health facilities across 46 districts in eight provinces.

The HIS project is split into two vital branches, each with unique funding streams and objectives. The first branch, funded by the HISP-SA, supports the implementation of the HPRS as well as providing end-user training at hospitals. Additionally, the team facilitates desktop access to the National Health Laboratory Service (NHLS) system at clinics. The second branch focuses on reviewing South Africa's health information systems, including the Electronic Vaccination Data System (EVDS), the Three Interlinked Electronic Registers for TB and HIV reporting (TIER.Net), the NHLS system, and ongoing support of the HPRS.

Supporting the HPRS is a core function of our HIT team, which utilises a tiered support approach. Tier 1 focuses on managing access control, connectivity, and resolving minor issues, while Tier 2 handles more complex technical and access control aspects. The

District Support Partners (DSPs) play a crucial role in assisting with Tier 1 activities in 30 districts, contributing to the sustainability of systems at healthcare facilities. This collaborative effort, overseen by HST's Provincial Team Leads, not only ensures the stability of the HPRS, but also provides essential support to the National and Provincial DoH in planning and operational effectiveness. Additionally, the HIT team trains provincial and district technicians in the Eastern Cape and KwaZulu-Natal to become qualified HPRS technicians, aiming to empower these provinces for self-sufficiency and future sustainability through skills transfer. The NHLS-HPRS project also continues to support Contracting Units for Primary Healthcare Services (CUPS) in preparation for National Health Insurance (NHI) **applications.**

GENERATING INFORMATION FOR PLANNING, MONITORING, EVALUATION AND DECISION-MAKING

Information, communication and dissemination of key health-related information have formed a cornerstone of HST's work, driven by our commitment to monitor health service equity and to manage various channels and platforms for sharing such findings.

The RIS unit is dedicated to conducting multidisciplinary research to evaluate the effectiveness of various health interventions, programmes, and policies. A core aspect of the unit's work is knowledge translation and dissemination, which aims to inform policy and practice decisions and foster capacity development at individual, organisational, and technical

HST produces the flagship publication the *South African Health Review (SAHR)* an accredited peer-reviewed journal of critical analysis and commentary by specialists on key issues relating to health systems policy and practice. Containing South African perspectives on health policy developments and their implementation, as well as monitored changes and challenges in the provision of equitable and accessible health care in the country, the Review has gained increasing prestige as an authoritative and comprehensive resource.

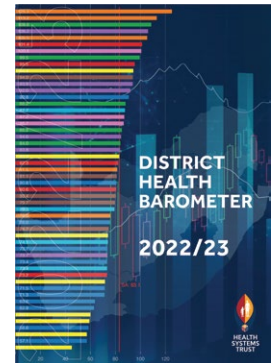


The 2023 edition of the SAHR is the first issue devoted exclusively to investigating the successes, challenges and gaps in cancer treatment and care within the South African healthcare system. It focuses on acquiring a deeper understanding of the systemic cancer prevention, diagnosis, and treatment challenges in South Africa and seeks to enable the sharing of innovations, strategies and lessons that may increase community engagement, health literacy and timely presentation, and improve treatment completion and wellness.

In April 2023, the National Mental Health Policy Framework and Strategic Plan for 2023 – 2030 was released at South Africa's first National Mental Health Conference. This conference provided a much-needed platform for service providers, policymakers, mental health experts, health service managers and those living

with mental health issues, and their families, to share experiences and shape strategies to strengthen mental health service provision in the country. To further this conversation, the editors of the 2024 *South African Health Review (SAHR)* issued a call for abstracts that aimed to address the challenges facing mental health care in South Africa, including how to improve access to quality mental health services, and address current gaps in mental health service provision at all levels of the health service from community through primary and tertiary care levels.

The *District Health Barometer (DHB)* is a vital statistical and analytical resource that provides a comprehensive overview of district health system performance at the primary healthcare level, including hospitals. Covering 52 health districts across all nine provinces, the DHB serves as a key tool for the South African Department of Health to support strategic planning, performance monitoring, and decision-making at national, provincial and district levels.



Published annually, the DHB informs policymakers, researchers, and stakeholders by offering insights into healthcare trends, service delivery, and health system challenges. In February 2024, the new interactive DHB dashboard was launched, enhancing accessibility and user engagement. This dashboard features all key

indicators from the publication, complemented by brief narratives for context. With an intuitive user-led navigation, it allows stakeholders to explore data by geographic level, indicator, and year, making it a powerful tool for evidence-based planning and evaluation. The dashboard can be accessed here: <https://dhh.hst.org.za/>

Strategic Integration of Research Data: Bridging Public Health Decision-Making and Combatting Misinformation

The Health Systems Trust, with funding from the South African Medical Research Council (SAMRC), is implementing an innovative project to address misinformation surrounding TB and HIV/AIDS in South Africa. With the rapid spread of information via digital and social media, this initiative focuses on developing effective data communication strategies to enhance the accessibility and reliability of public health information.

The project aims to create an interactive, public-facing dashboard designed to disseminate accurate and timely health information. This tool will empower policymakers, health professionals, and the public to make informed decisions, thereby mitigating misinformation and improving public health outcomes.

Key activities include stakeholder engagement, research on information consumption trends, and the integration of sentiment analysis and data visualisation tools. Preliminary findings highlight strong user demand for evidence-based health

communication tools, reinforcing the need for accessible, well-structured, and visually engaging resources.

By leveraging fact-checked data and innovative digital strategies, this project is set to bridge critical gaps in knowledge utilisation, ensuring that accurate health information reaches the right audiences efficiently and effectively. The dashboard will be launched in May 2025.

The DrugInfo moderated list is a lively discussion group which keeps health practitioners at all levels abreast of drug information, developments in drug policy in South Africa, and targeted pharmacological information. The HST website has become a respected hub of health and socio-economic indicators and public health information in South Africa.

CONDUCTING ESSENTIAL NATIONAL HEALTH RESEARCH

The **Assessment of Psychosocial Support Interventions to Improve ART Outcomes for Adolescents in KwaZulu-Natal project's** objectives are to map the psychosocial support interventions for adolescents that are being used in medical facilities across six KwaZulu-Natal districts and investigate how recipients and system stakeholders view the significance of PSS (psychosocial support) interventions for adherence to ART and retention in care.

The aim of the **Reviewing Nursing Education Institutions Capabilities towards a Nursing**

Education System Aligned to National Health Priorities study is to optimise nursing education and training capabilities between public and private Nursing Education Institutions (NEIs) across the country.

The limited culture of information and knowledge documenting and sharing is one of the obstacles to knowledge application and sharing. Although the pertinent information may be present in the health system, it frequently exists in formats that make it difficult for the larger system to locate or learn about. The **Exploring good practices in South Africa's public health sector: A comprehensive review and dissemination** project will be documenting good practices across all the nine provinces in the country and will be taking place from April 2024 – December 2025.

There is a worrying trend of non-referred patients receiving care straight from hospitals, despite the importance of primary healthcare in the South African healthcare system. This phenomenon raises concerns about primary healthcare services' usability, accessibility, and quality as well as their effects on resource allocation and health outcomes. The aim of the Exploring the Factors Influencing Patient's Decision to Bypass (non-referred) Primary Healthcare Clinics in Mpumalanga study is to investigate the extent and determinants of non-referred patients seeking care directly at hospitals in Mpumalanga province, South Africa.

Although South Africa has made significant strides in promoting childhood vaccinations over the years, there are still alarmingly more zero-dose children in

some regions of the nation, especially in urban areas. The aim of the study to **Conduct a rapid assessment to identify barriers to immunisation and local strategies to improve uptake in select zero dose communities in urban settings** is to evaluate, from the viewpoints of communities, healthcare professionals, and other stakeholders in certain urban regions, the obstacles influencing the demand for and uptake of routine immunisation services.

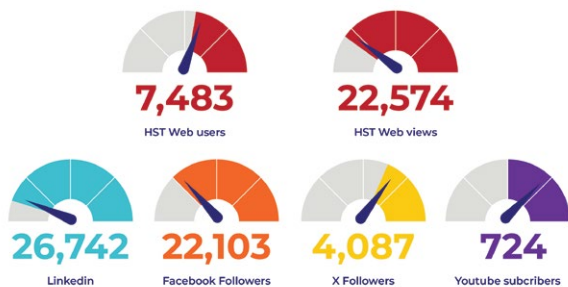
Amidst the ongoing infodemic and misinformation concerning TB and HIV/AIDS in South Africa, digitisation, social media, and internet use enable rapid information spread, quickly filling information gaps but also potentially amplifying harmful messages. Sensationalised news and false information can be stopped from spreading via effective communication from reliable sources. To respond to disease outbreaks and epidemics, it is essential to share information from reliable sources and fact-checking websites. The **Strategic Integration of Research Data: Bridging Public Health Decision-Making and Combatting Misinformation through Innovative Communication Approaches** study is being funded by the South African Medical Research Foundation MRC through the Grand Challenges programme.

The frequency and severity of extreme weather events are expected to rise due to climate change. In South Africa, future heat waves, droughts, and rainstorms will affect human health in a number of ways, both directly and indirectly. Important institutions like schools and medical facilities could be

threatened by these catastrophic weather events, which also have the potential to destroy or seriously damage vital infrastructure. In addition to implementing risk management techniques to lessen the effects of climatic shocks, these institutions must be prepared to guarantee continuity and recovery. The objective of the **Protecting systems: Enabling the Adaptation of Health and Education Systems Against** Climate Change project is to collaboratively work with the World Bank as members of the Task Team in the design and implementation of a process for data collection and analysis towards the generation of evidence of the adaptability of health and education sectors to shock in South Africa.

Digital Data

June to July 2024



List of publications, conferences, oral and poster presentations:

- **Burnett JM, Myende N, Africa A,** Kamupira M, Sharkey A, Simon-Meyer J, Bamford L, Guo A, **Padarath A, & Moeti T.** In-depth qualitative research to identify barriers to immunisation and local strategies in select zero-dose

communities in South Africa. Durban: Health Systems Trust; 2024.

- Gcaba H, Radebe N. Offering male-centred health services in uMsunduzi, uMgungundlovu District. Poster presentation. PHASA Conference: 11 September 2023; Gqeberha, South Africa.
- Matolo P, Bhana R. Family Care Day intervention: Evidence of an integrated approach to improve viral load suppression among adolescents living with HIV. PHASA Conference: 11 September 2023; Gqeberha, South Africa.
- Klinkenberg E, Floyd S, Shanaube K, **Mureithi L,** Gachie T, de Haas P, Kosloff B, Dodd PJ, Rupe-rez M, Wapamesa C, **Burnett JM,** Kalisvaart N, Kasese N (2023) Tuberculosis prevalence after 4 years of population-wide systematic TB symptom screening and universal testing and treatment for HIV in the HPTN 071 (PopART) community-randomised trial in Zambia and South Africa: A cross-sectional survey (TREATS). PLOS Medicine 20(9): e1004278.
- Mthembu N, Mbanjwa N, Ngcobo N, Myeni R, Bhana R, Bhengu P. A facility-based psychosocial support model to improve antiretroviral treatment outcomes among adolescents. PHASA Conference: 11 September 2023; Gqeberha, South Africa.
- Mthembu N, Ngobese Z, Zulu H, Dlamini S, Makhanya L, Bhengu P. A biopsychosocial model to improve viral load suppression and retention in care among adolescents: Application at clinic level. SAPHC Conference: 16 November 2023; East London, South Africa.
- Mvelase S, Cele J, Gumbi S, Zulu N, King J. 'Peer

power' for healthy living: Implementing the Coach Mpilo programme in uThukela District, KwaZulu-Natal. Poster presentation. PHASA Conference: 11 September 2023; Gqeberha, South Africa.

- **Ndlovu N, Padarath A**, editors. District Health Barometer 2022/23. Durban: Health Systems Trust; 2024.
- **Ndlovu N**, Gray A, **Mkhabela B**, **Myende N**, Day C. Health and related indicators 2022. South African Health Review. 2023;25.
- Sithole Z, Dlodlo Z, Dlamini S, Maphumulo P, Madonsela H, Mbanga S, Peters AA, Matolo P, Bhengu P, Zulu Z. Impact of collaborative psychosocial and clinical intervention for improving viral load suppression of HIV-positive children and adolescents in Primary Health Care facilities in eThekweni. SAPHC Conference: 16 November 2023; East London, South Africa.
- Sokhela G, Walker J, Ngcobo D, Masuku M, King J. Improving access to care through provision of comprehensive community-based HIV services in eThekweni and Zululand. Poster presentation. PHASA Conference: 11 September 2023; Gqeberha, South Africa.
- Sokhela G, Walker J, Ngcobo D, Masuku M, Gumede N, Zulu N, King J. Improving viral suppression through provision of enhanced psychosocial support for at-risk HIV-positive patients. Poster presentation. PHASA Conference: 11 September 2023; Gqeberha, South Africa.
- Ruperez, M., Shanaube, K., **Mureithi, L.**, Wapamesa, C., **Burnett, JM.**, Kosloff, B., de Haas, P.,

Hayes, R., Filder, D., Gachie, T., Schaap, A., Floyd, S., Klinkenberg, E., & Ayles, H (2023). Use of point-of-care C-reactive protein testing for screening of tuberculosis in the community in high-burden settings: a prospective, cross-sectional study in Zambia and South Africa. The Lancet Global Health, 11, 704-714.

FUNDERS AND PARTNERS

- Adcock Ingram
- Centers for Disease Control (U.S. President's Emergency Plan for AIDS Relief (PEPFAR))
- Health Information Systems Programme (HISP)
- Institute for Health Measurement
- Johnson & Johnson Foundation
- Public Health Enhancement Fund (PHEF)
- Right to Care NPC
- South African Medical Research Council
- The Bill & Melinda Gates Foundation
- The Bristol Myers Squibb Foundation
- The ELMA Foundation
- The Task Force for Global Health
- University of Cape Town
- ViiV Healthcare UK Ltd
- Wits Reproductive Health and HIV Institute

PARTNERS AND GRANT COLLABORATORS

- Afrigen Biologics and Vaccines
- AIDS Healthcare Foundation
- Anova Health Institute
- ASG IT Support Services
- Aviro Production (Pty)Ltd
- Bio-Sourcing
- CIDERU (University of KwaZulu-Natal)
- Eastern Cape Department of Health
- Free State Department of Health
- Gauteng Department of Health
- Genius Quality
- Health Economics and AIDS Research Division (HEARD)
- University of KwaZulu-Natal
- Human Sciences Research Council (HSRC)
- KwaZulu-Natal Department of Health
- Limpopo Department of Health
- Lovelife
- Maternal, Adolescent and Child Health Institute (MatCH)
- Mpumalanga Department of Health
- National Health Research Committee
- National Health Research Ethics Council
- National Health Laboratory Service (NHLS)
- National Institute Community Development and Management (NICDAM)
- National Institute for Communicable Diseases (NICD)
- National Research Fund
- Northern Cape Department of Health
- North-West Department of Health
- PACT THINK
- Palindrome
- Project Last Mile
- PSI
- Quantitative Engineering Design (QED.ai)
- TB/HIV Care
- The Aurum Institute
- The Children in Distress Network



Durban (Registered Office)

1 Maryvale Road, Westville 3630

Tel: +27 (0)31 266 9090

Johannesburg

1st Floor, Block J, Central Park, 400 16th Road, Midrand 1682

Tel: +27 (0)11 312 4524



HealthSystemsTrustHST



@HST_health



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www.hst.org.za