



Umoya omuhle is a 3 year study that began in 2017 and uses a whole systems approach to look at infection prevention and control for drug-resistant tuberculosis in clinical settings of South Africa in an era of decentralised care.

The name, Umoya omuhle, means good air in Zulu, and embodies the project vision of bringing a 'breath of fresh air' to current thinking on infection prevention and control.

For more information, visit:
lshtm.ac.uk/UO



EVENTS

Umoya omuhle meeting:
June 11-15, Durban

SATB Conference:
June 12-15, Durban

In parallel with the team meeting, some members of Umoya omuhle will attend, with Nicky presenting, Alison chairing a session and taking part in a round table, and Sanj and Indira attending (apologies if others have been missed).



IN THE NEWS

Why do so many South Africans die of TB? (May 17, GroundUp)

TB research is underfunded but new medicines are on their way (May 17, GroundUp)

Innovative drug-resistant TB trial launched in South Africa (May 17, IOL)

POLICY-RELEVANT

DR-TB and UNGA discussed in UK Parliament (May 03, 2018)

White, R., Vassall A., et al (Feb 5, 2018). Evidence-informed policy making at country level: lessons learned from the South African Tuberculosis Think Tank. *International Journal of Tuberculosis and Lung Disease*. 22(6):606-613.

OTHER BITS & BOBS

Red Alert on TB Infection Control in Clinics: Treatment Action Campaign.

Are you TB Proof? [video]

PLOS Antimicrobial Resistance Channel. Developed in partnership with GARDP, this is a one-stop destination for AMR research and commentary from across the web. They focus on four pillars of AMR: Basic Science – the biology of disease, Research & Development, Appropriate Use & Access, and Public Health – surveillance and epidemiology.

TB in SA : are you protected? *Medical Chronicle* 5:15-17 (purchase req.)



LITERATURE

Patterson et al. (2017). Mapping sites of high TB transmission risk: Integrating the shared air and social behaviour of TB cases and adolescents in a South African township. *Science of the Total Environment*, 583: 97-103.

O'Hare et al (Mar 1, 2017), Infection control and tuberculosis in health care workers: an assessment of 28 hospitals in South Africa. *International Journal of Tuberculosis and Lung Disease*, 21(3):320-326

Akshaya et al (Nov 06, 2017). "Who has to do it at the end of the day? Programme officials or hospital authorities?" Airborne infection control at drug resistant tuberculosis (DR-TB) centres of Karnataka, India: a mixed-methods study. *Antimicrobial Resistance and Infection Control*. DOI: 10.1186/s13756-017-0270-4

Chapman et al (2017). The Role of Powerlessness Among Health Care Workers in Tuberculosis Infection Control. *Qualitative Health Research*, 24(7): 2116-2127

Tacconelli et al (Mar 2018). Discovery, research, and development of new antibiotics: the WHO priority list of antibiotic-resistant bacteria and tuberculosis. *The Lancet Infectious Diseases*, 18(3): 318–327

Loveday et al (Apr 18, 2018), MDR-TB patients in KwaZulu-Natal, South Africa: Cost-effectiveness of 5 models of care. *PLOS One*, 13(4): e0196003

Alele et al. (April 27, 2018). Occupational tuberculosis in healthcare workers in sub-Saharan Africa: A Systematic Review. *Archives of Environmental and Occupational Health*. 1-34. doi: 10.1080/19338244.2018.1461600

Braithwaite, J., et al (Apr 30, 2018). When complexity science meets implementation science: a theoretical and empirical analysis of systems change. *BMC Medicine*, 16:63

Malotle et al (Apr 2018), Occupational tuberculosis in South Africa: are healthcare workers adequately protected? *BMC Occupational and Environmental Medicine*, 75:A319

Adu et al (Apr 2018), Exploring key informant perceptions regarding the prevention and control of tuberculosis among healthcare workers. *BMC Occupational and Environmental Medicine*, 75: A185-A187

Manana et al (May 10, 2018). Feasibility of using postal and web-based surveys to estimate the prevalence of tuberculosis among health care workers in South Africa. *PLOS One*, 13(5): e0197022

Reichler et al (May 15, 2018). Risk and Timing of Tuberculosis Among Close Contacts of Persons with Infectious Tuberculosis. *Journal of Infectious Diseases*. jiy265, <https://doi.org/10.1093/infdis/jiy265>

Braithwaite, J. (May 17, 2018). Changing how we think about healthcare improvement. *BMJ* 2018 361:k2014

Schmidt, B., et al (May 25, 2018). Effectiveness of control measures to prevent occupational tuberculosis infection in health care workers: a systematic review. *BMC Public Health*, 2018, 18:661

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Umoya omuhle is a collaborative project between the following institutions:

