ITD Strategy 2022-2032

Vision: Deliver outstanding contributions to reduce the evolving disease burden related to infections and global health inequity

Overarching goals to enhance human health and wellbeing:

1. Understand the causes and reduce the morbidity and mortality of diseases related to infection and global health inequity
2. Anticipate, detect and control emerging pathogens
3. Facilitate disease elimination and reduce health inequity
4. Equitably build capacity through research-led education and empower future generations to improve health worldwide

Research approaches from "bench to boardroom", performing fundamental biology and clinical research through to impact on policy and practice:

A. Interdisciplinary study of pathogens, their interactions with hosts and vectors, and the diseases that they cause
   i. Use cutting-edge laboratory and contextual research approaches including animal models to study pathogen-host-vector interactions
   ii. Strengthen expertise and partnerships in the capture, use and analysis of big data, and support in-country data management, analysis and ownership
   iii. Connect LSHTM's global research partnerships to better examine the causes and consequences of emerging infections, co-infections and co-morbidities
   iv. Contribute to LSHTM capacity to investigate the infection-related consequences of environmental change

B. Discovery, development and evaluation of methods, tools and interventions for diagnosis, prevention, treatment and control of disease burden related to infections and global health inequity
   i. Identify and develop opportunities for basic research discovery and translation, product development and collaboration with public and private sectors
   ii. Evaluate community-based, clinical, preventative and complex interventions, drawing on ITD's global networks and partnerships
   iii. Perform high quality population-based and longitudinal studies, including strengthening links to demographic surveillance platforms
   iv. Prepare for rapid evaluation of interventions for epidemic and pandemic disease and improve health security

C. Operational research and implementation science to inform policy and practice
   i. Perform country-driven applied research that addresses equity, builds capacity and incorporates innovative and accessible methods and technologies
   ii. Facilitate collaboration across diseases and disciplines
   iii. Strengthen links with implementers and policy makers to ensure evidence generated shapes global health policy and practice, and can contribute to achievement of national and international global health goals

Delivering the ITD strategy is dependent on these values and enablers:

LSHTM values and culture: equity, diversity, inclusion, respect, decolonization, impact			
A supportive and reflective environment	Strengthening partnerships	Responsive systems	Enabling infrastructure
• Provide clear career progression pathways for researchers and professional services staff • Retain and recruit expertise to deliver priorities • Support career planning • Identify and support specialized research roles within LSHTM • Develop expertise to respond to evolving educational needs and translate the latest advances into our curriculum	• Facilitate interaction and encourage participation in activity between LSHTM faculties and Units in the UK, The Gambia and Uganda • Build relationships with policy makers, NGOs and the private sector Encourage staff to learn and share best practice to: • Embed equity in global partnerships • Strengthen research capacity • Engage and empower communities	Personalise interactions to increase empathy and build respectful relationships that: • Enable systems to be more responsive to evolving needs of staff • Ensure research systems can facilitate collaborative work by rapidly responding to the needs of global partners • Improve communication between academic and professional services staff for efficient translation of decision into action	• Provide spaces which enable conducive learning, teaching and interactions between staff • Develop a lab facilities equipment investment plan across the global sites of LSHTM in the UK, The Gambia and Uganda • Provide enabling technologies for alignment of remote and face-to-face education