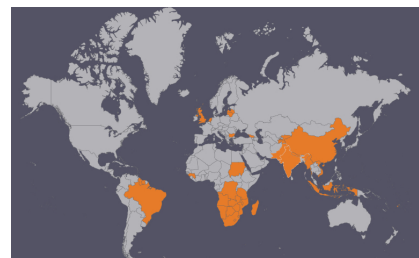


Personal profile

Miranda Brouwer is a Public Health medical doctor with more than 25 years experience in public health and clinical medicine. She has extensive experience in monitoring and evaluation of tuberculosis and HIV programmes. Country experience: highlighted countries on map (larger version available on last page).

Miranda works very well independently and feels at home in interdisciplinary and intercultural teams too. She is an analytical thinker with a practical approach to problem solving. She is able to make complex (medical) material understandable for all levels. She is a calm, flexible and reliable person with a good sense of humour, and focused to meet the objectives. She is fluent in English, French, Portuguese and her native Dutch. Miranda is strong in planning, coordinating, organising and monitoring and is a star at meeting deadlines.



Key areas of technical expertise

- Monitoring and Evaluation of programmes/projects
- All round technical TB expert with experience in TB/HIV, Childhood TB, MDR-TB, and active case finding
- Development of National Strategic Plans (including the budget), and policies and guidelines
- Up-to-date with the Funding Mechanism of Global Fund and Funding Request development
- Support to operational research from protocol development to dissemination of results
- Supply chain management: drugs and supplies quantification and forecasting, familiar with QuanTB
- Implementation of diagnostics such as GeneXpert
- Capacity building: training, lecturing, mentoring
- Review of funding proposals

Qualifications

2015	PhD on Thesis: <i>Operational research on implementation of tuberculosis guidelines in Mozambique.</i> University of Amsterdam, the Netherlands
2011	DR-TB Consultant training (WHO)
2005-2006	Certificate Course in Management of Drug Misuse, Royal College of General Practitioners, Scotland
2005-2006	Certificate Course in Health Economics, Health Economics Research Unit University of Aberdeen, Scotland
1999-2001	Specialist training Public Health, subspecialty tuberculosis control, Netherlands School of Public Health, the Netherlands. Thesis: INH preventive treatment in tuberculin surveys. A decision-analysis.
1993	Diploma Tropical Health, Royal Tropical Institute, Amsterdam, the Netherlands
1983-1991	School of Medicine, University of Groningen, the Netherlands. Thesis: Indications for MRI, an estimate of the number of patients.

Professional experience

Since January 2011 full time consultant at PHTB Consult – consultancies, training and research for Public Health and Tuberculosis Control.

Portfolio:

- July 2011 - present: monitoring and evaluation reviewer for TB REACH; portfolio of over 35 projects for innovative active TB case finding and improving treatment outcomes in Africa, Asia and South America for Stop TB Partnership (UNOPS) Switzerland. Current portfolio: India, Moldova, Pakistan and Viet Nam.
- May 2018 – present: TB disease lead for evaluations of Global Fund focused countries, and evaluation team lead for Bulgaria, Georgia, Guyana and Moldova; team member for Cabo Verde for APMG, USA.
- April 2018 - present: on Global Fund’s roster of monitoring and evaluation experts, Global Fund, Switzerland.
- February 2018 - present: monitoring and evaluation expert in Unitaids’s Proposal Review Committee, Switzerland.
- June 2017 - present: member of Global Fund’s Technical Review Panel.
- November 2019 – March 2020: team member in consultancy to support ECDC in the area of health systems strengthening for TB elimination for TBConsult.
- May – October 2018: development guideline for integrated care for patients with TB, HIV and social challenges in Lithuania for Finnish Lung Association, Finland.
- 2013 - 2018: Co-facilitator Supply Chain Management for TB control course for the UNION, Singapore.
- April – September 2018: Development course ‘Monitoring, Evaluation and Learning for Global Health Projects’ for the UNION, Singapore.
- January - April 2018: evaluation of Unitaids’s EndTB project for the Swiss Tropical and Public Health Institute, Switzerland (included country assessment in Georgia and Indonesia).
- April 2018: Co-facilitator Project Management course for the UNION, Singapore.
- September - October 2017: development project management course (in French) for the UNION, France.
- July - September 2017: TB epidemiological review in Madagascar (in French) and Fiji for WHO, Switzerland.
- June - September 2017: development guideline for diagnosis and treatment of latent Tuberculosis Infection in PLHIV Latvia for Finnish Lung Association.
- December 2016 - April 2017: evaluation of Unitaids’s STEP-TB project for Euro Health Group, Denmark.
- December 2011 - October 2016: locum doctor TB clinics for the Municipal Public Health Services (GGD), The Netherlands.
- December 2015 - June 2016: evaluation of TB/HIV decentralisation project in Guinea (in French) and of councillor involvement in HIV treatment programme in Mozambique (in Portuguese) for MSF.
- February - May 2016: support PMDT in Mozambique (in Portuguese) for KNCV, Challenge TB, The Netherlands.
- August - December 2015: support to Performance Framework and M&E plan for the Regional Coordinating Mechanism Global Fund grant on TB in the mining sector in Southern Africa, for URC-CHS, USA.
- August 2013 - December 2015: Annual Report 2012, 2013 and 2014 on overall TB Control; review of implementation of present strategic TB plan and development of the strategic plan for TB 2016-2020 for SADC, Botswana.
- May 2013 - July 2015: support research project integration MCH and TB services in Balaka, Malawi for Target TB, UK.
- February - July 2014: Support Uganda in the development of a National Strategic Plan for TB for WHO, Switzerland. Liaising with major stakeholders on implementation issues. Budget development.
- March - April 2014: TB epidemiological review in Zambia for KNCV Tuberculosis Foundation.
- March - April 2013: Data Quality Assessment for Global Fund TB grant in Zambia for Euro Health Group, Denmark.
- August 2011 - April 2012: support Lesotho with Round 11 Global Fund Proposal development and Strategic Plan for TB Control for WHO, Switzerland. Liaising with stakeholders, PR and CCM. Budget development.
- April - May 2011: Evaluation of Global Fund round 4 TB project for United Nations Development Programme, Angola.
- May 2008: Support to GF proposal to Suriname for KNCV Tuberculosis Foundation.

May 2008 – December 2010 Health Alliance International (HAI), Mozambique

Technical advisor TB for the National TB Program (NTP) and the PEPFAR funded HIV treatment program. Main activities:

- Policy, guideline and training programme development for various TB technical areas (PMDT, TBHIV, TBIC, CB-TB care).
- National Strategic TB Plan 2007-2012 (part of writing team)
- Monitoring and evaluation of TB programme performance, including development M&E plan and guidance.

January 2007 – May 2008 Health Alliance International (HAI), Mozambique

Technical support to provincial TB and HIV programmes in Manica and Sofala Province for strengthening the TB-HIV collaboration within the existing health system.

November 2004 – September 2006 NHS Greater Glasgow Primary Care Trust, Scotland

Medical addiction services within a multidisciplinary team to homeless people in Glasgow city.

April 2004 – August 2006 KNCV Tuberculosis Foundation, Den Haag, Netherlands (NL)

Developing a manual for Tuberculosis Control in The Netherlands. Attached to the Commission Practical Tuberculosis Control (policy making body).

May 1999 – April 2004 Public Health Services (PHS) Hart voor Brabant, Tilburg, NL

Head of department of Tuberculosis Control (from April 2002)

- Development and maintenance of the quality management system (ISO-9001; HKZ).
- Daily management of the department of 30 people.
- Diagnosis and treatment of tuberculosis patients. Reading chest X-rays.
- Responsible for national screening program for asylum seekers and prisoners using mobile X-ray units.

March 1998 – December 1998 Deventer Hospital, Deventer, NL

Senior House Officer Obstetrics and Gynaecology.

June 1994 – December 1997 Our Lady's Hospital, Mpika, Zambia

Medical Officer (in charge from May 1995).

January 1992 – April 1994

Several senior house officer positions in the Netherlands: Obstetrics and Gynaecology, Surgery, Chest Medicine.

Publications and research related activities

- Garg T, Gupta V, Sen D, Verma M, **Brouwer M**, Mishra R, Bhardwaj M. Prediagnostic loss to follow-up in an active case finding tuberculosis programme: a mixed-methods study from rural Bihar, India. In press.
- Shrestha P, Subba UK, **Brouwer M**, Sweetland AC. Depression among TB patients and associated factors in Kathmandu Valley, Nepal. *Global Mental Health*, 2020; 7 (e4):1–7.
- Pelissari DM, Barreira D, Prestes Oliveira CL, de Jesus RS, LA, dCA, de Araujo ND, de Souza Junior R, Nemeth LT, **Brouwer M**. Prevalence and screening of active tuberculosis in a prison in the South of Brazil. *Int J Tuberc Lung Dis*. 2018; 22 (10):1166–1171
- Kumwenda M, Nyang'wa BT, Chikuse B, Biseck T, Maosa S, Chilembwe A, Dimba A, Mpunga J, Shaw C, **Brouwer M**. The second sputum sample complicates TB diagnosis for women. A qualitative study from Malawi. *Int J Tuberc Lung Dis*. 2017; 21 (12): 1258–63.
- **Brouwer M**, Katamba A, Katabira ET, Van Leth F. An easy tool to assess ventilation in health facilities as part of air-borne transmission prevention: a cross-sectional survey from Uganda. *BMC Infectious Diseases*. DOI: 10.1186/s12879-017-2425-6.
- Blok L, Bakker MI, Straetemans M, Gerstel L, **Brouwer M**, Stevens R, et al. Should active case-finding projects increase the number of tuberculosis cases notified at national level? *Int J Tuberc Lung Dis*. 2017 1; 21(4):475.
- Joshi D, Sthapit R, **Brouwer M**. Peer led outreach for active tuberculosis case finding among people living with HIV: lessons from Nepal. *Bull World Health Organ* 2017; 95:135–139.

- Khan MA, Anil S, Ahmed M, Athar A, Ghafoor A, **Brouwer M**. Active case finding of tuberculosis: randomized evaluation of simple and infotainment chest camps. *Annals of Global Health* 2016. Doi: <http://dx.doi.org/10.1016/j.aogh.2016.07.001>.
- Khanal S, Baral S, Shrestha P, Puri M, Kandel S, Lamichanne B, Elsey H, **Brouwer M**, Goel S, Chinnakali P. Yield of intensified tuberculosis case finding activities using Xpert MTB/RIF among risk groups in Nepal. *Public Health Action* 2016; 6 (2): 136-41. doi: 10.5588/pha.16.0015.
- Mbonze N, Tabala M, Wenzel LK, Bakoko B, **Brouwer M**, Creswell J, Van Rie A, Behets F, Yotebieng M. Impact of Xpert MTB/RIF as diagnostic for smear-negative presumptive TB cases on case notification in Kinshasa, DR Congo. *Int J Tuberc Lung Dis* 2016; 20 (2): 240-6. doi: 10.5588/ijtld.15.0177.
- van Leth F, van Crevel R, **Brouwer M**. Latent tuberculosis infection as a target for tuberculosis control. *Future Microbiology* 2015; 10 (6): 905-8.
- Nabukenya MG, Kawuma HJS, **Brouwer M**, Mudiope P, Vassall, A. Tuberculosis retreatment 'others' in comparison with classical retreatment cases in regional hospitals, Uganda. *BMC Public Health* 2015; 15: 840.
- **Brouwer M**, Coelho E, Das Dores Mosse C, Van Leth F. Implementation of Tuberculosis Infection Prevention and Control in Mozambican health care facilities. *Int J Tuberc Lung Dis* 2015; 19 (1): 44-49.
- Blok L, Creswell J, Stevens R, **Brouwer M**, Ramis O, Weil O, Klatser P, Sahu S, Bakker M. A pragmatic approach to measuring, monitoring and evaluating interventions for improved tuberculosis case detection. *Int Health* 2014, 6 (3):181-8. doi: 10.1093/inthealth/ihu055.
- **Brouwer M**, Samo Gudo P, Simbe C, Perdigão P, Van Leth F. Benchmarking to assess potential under-diagnosis of smear-negative and extrapulmonary tuberculosis. A case study from Mozambique. *The Open Infectious Diseases Journal* 2013, 7: 1-4.
- **Brouwer M**, Samo Gudo P, Simbe C, Perdigão P, Van Leth F. The effect of Tuberculosis and antiretroviral treatment on CD4+ cell count response in HIV-positive Tuberculosis patients in Mozambique. *BMC Public Health* 2012, 12: 670.

Conference proceedings

- Oral poster presentation. Maosa S, Kumwenda M, Chikuse B, Dimba A, Chilembwe A, Nyang'wa BT, Shaw C, **Brouwer M**. Integrating tuberculosis screening in mother and child health clinics: a policy change could overcome the challenges of the second sputum sample. *UNION Conference 2015*.
- Poster presentation. **Brouwer M**, Coelho E, das Dores Mosse C, Brondi L, van Leth, F. Tuberculosis infection control and prevention in Mozambique: a gap between daily practice and guidelines. *UNION conference 2014*.
- Oral presentation. Langa E, **Brouwer M**, Coelho E, Rahman H, Bossemeyer D, Brondi L. TB infection control evaluations leading to changes in guidelines and policies in Mozambique. *UNION conference 2012*.

Regular reviewer for BMC journals, BMJ Open, Clinical Infectious Diseases, International Journal of Tuberculosis and Lung Disease, Journal of the International Association of Providers of AIDS Care (JIAPAC), PLoS One, The Open Infectious Diseases Journal, and UNION World Conference on Lung Health.

Further (professional) experience

2016-present	Volunteer at Feniks, centre for women's emancipation in Tilburg, Netherlands
2012-2016	Committee Continuing Professional Development of the Dutch Society of TB Doctors (chair).
2008-2009	Facilitator WHO Training courses on Stop TB Strategy and Infection Control (Sondalo, Italy).
1996-1997	Member of Executive Committee of Churches Medical Association of Zambia.

Professional memberships

2002-present	International Union against Tuberculosis and Lung Disease (Union).
1993-present	Netherlands Society of Tropical Medicine (NVTG).

Professional Development and continuing medical education

- *Using Geographic Information Systems (GIS) in Disease Control programmes*, KIT, Amsterdam, 2018.
- *Introduction shorter and Bedaquiline containing regimens for DR-TB*, Challenge TB, The Hague, 2016.
- *Introduction to TB modelling*, TB MAC, during UNION conference 2015
- *Development of National Strategic Planning for Tuberculosis Control*, WHO Geneva, 2013.
- *Advanced topics in Clinical Epidemiology*, University of Amsterdam, 2013.
- *Consultation & orientation on the Global Fund New Funding Model*, WHO Geneva, 2013.
- *Project Management*, University of Amsterdam, 2013.
- *Infectious Diseases*, University of Amsterdam, 2012.
- *Practical Biostatistics*, University of Amsterdam, 2012.
- *Global Fund Round 11 Technical Support for Tuberculosis Proposal Development*, WHO Geneva, 2011.
- *Implementing the Stop TB Strategy: M/X-DR, TB/HIV, PPM, Infection control*, WHO collaborating centre Italy, 2008.
- *Using Logic Models for Programme Planning and Evaluation*, Montreal, UNION, 2002.

Computer and language skills

Advanced user of Mac and Microsoft applications. Experienced Excel user. Working knowledge of R statistics.

Language skills:

Mother tongue(s)	Dutch				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Portuguese	C1	C1	C1	C1	C1
French	B2	B1	B2	B2	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user (Common European Framework of Reference for languages)

Contact details

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