Dr Sonia Boender

Full list of publications, presentations, communications

Summary

- Publications in the field of health sciences, infectious disease epidemiology, public health
- Methodology: quantitative epidemiological analysis (observational research, cohort studies) qualitative and mixed-methods research
- Presentations: scientific conferences, science communication
- Online publication records: Google Scholar page; ORCID 0000-0002-4418-3713
- Peer-review activities: Publons

Research papers

Published

   Boender TS, Bartmeyer B, Coole L, Wichmann O, Harder T.
   Review protocol: PROSPERO 2019 CRD42019123533
   Accepted for publication in Eurosurveillance.


4. The relative contributions of HIV drug resistance, nonadherence and low-level viremia to viremic episodes on antiretroviral therapy in sub-Saharan Africa.

Last updated: March 2021

6. Effectiveness of transmitted drug resistance testing before initiation of antiretroviral therapy in HIV-positive individuals. 

Toxopeus DCM, Pell CL, Westrhenen NB, Smit C, Wit FWNM, Ondoa P, Reiss P, Boender TS. 

8. Previous antiretroviral drug use compromises standard first-line HIV therapy and is mediated through drug-resistance. 


10. Suboptimal immune recovery during antiretroviral therapy with sustained HIV suppression in sub-Saharan Africa. 

11. Effect of immediate initiation of antiretroviral treatment on the risk of acquired HIV drug resistance. 
AIDS. 2018 Jan 28;32(3):327-335. doi: 10.1097/QAD.0000000000001692

Kityo C* & Boerma RS*, Sigaloff KCE, Kaudha E, Calis JCI, Musiime V, Balinda S,
Nakanjako R, Boender TS, Mugyenyi PN, Rinke de Wit TF. [*Authors contributed equally to the work]. J Antimicrob Chemother. 2017 Sep 1;72(9):2587-2595. doi: 10.1093/jac/dkx188

13. 20 jaar hiv-combinatietherapie in Nederland [Twenty years of combination antiretroviral therapy for HIV infection in the Netherlands: progression and new challenges].
Brinkman K* & Boender TS*, van der Valk M, van Sighem A, Reiss P, Kroon FP, namens het ATHENA observationele HIV cohort. [*Authors contributed equally to the work]


15. High levels of pre-treatment HIV drug resistance and treatment failure in Nigerian children
Boerma RS* & Boender TS*, Sigaloff KCE; Rinke de Wit TF; Boele van Hensbroek M; Ndemb N; Adeyemo T; Temiye EO; Osibogun A; Ondoa, P, Calis JC* & Akanmu AS* [*Both first and both senior authors contributed equally to the work].

Boerma RS, Boender TS, Bussink AP, Calis JC, Bertagnolio S, Rinke de Wit TF, Boele van Hensbroek M, Sigaloff KC.

Boerma RS* & Kityo C*, Boender TS, Kaudha E, Kayiwa J, Musiime V, Mukuye A, Kiconco M, Nankya I, Nakatudde L, Mugyenyi PN, Boele van Hensbroek M, Rinke de Wit TF, Sigaloff KC & Calis JC. [*Both first and both senior authors contributed equally to the work].

18. Protease Inhibitor Resistance in the First 3 Years of Second-Line Antiretroviral Therapy for HIV-1 in Sub-Saharan Africa.

19. Accumulation of HIV-1 drug resistance after continued virological failure on first-line ART in adults and children in sub-Saharan Africa.
Boender TS, Kityo CM, Boerma RS, Hamers RL, Ondoa P, Wellington M, Siwale M, Nankya I, Kaudha E, Akanmu AS, Botes ME, Steegen K, Calis JC, Rinke de Wit TF,

20. HIV Drug Resistance Among Children Initiating First-Line Antiretroviral Treatment in Uganda.

21. Sequencing paediatric antiretroviral therapy in the context of a public health approach.

22. Pretreatment HIV drug resistance increases regimen switches in sub-Saharan Africa.


Collaboration papers


Last updated: March 2021


Preprints/in preparation


35. Patient characteristics rather than choice for dolutegravir or elvitegravir determine the likelihood of cART discontinuation; evidence from the ATHENA national
observational HIV cohort study in the Netherlands.

Boender TS & Bender J, Walter J, Buchholz U. Submitted (presented at ESCAIDE2020)

Other publications

Epidemiological Bulletin
- Inanspruchnahme deutscher Notaufnahmen während der COVID-19-Pandemie – der Notaufnahmesituationsreport (SitRep). [Article in German]

Epidemiological reports (monitoring & surveillance)
  van Sighem A.I., Boender T.S., Wit F.W.N.M., Smit C., Matser A., Reiss P.
  ○ Chapter 2: Response to combination antiretroviral therapy.
    Sonia Boender, Ard van Sighem, Ferdinand Wit, Kees Brinkman, Kees van Nieuwkoop, Anne Wensing, Peter Reiss
  van Sighem AI, Boender TS, Wit FWNM, Smit C, Matser A, Reiss P.
- Chapter 2: Response to combination antiretroviral therapy.
  Sonia Boender, Ard van Sighem, Ferdinand Wit, Kees Brinkman, Kees van Nieuwkoop, Anne Wensing, Peter Reiss
- Chapter 7: Quality of care.
  Colette Smit, Jan Prins, Kees Brinkman, Suzanne Geerlings, Frank Kroon, Sonia Boender, Peter Reiss


- PhD thesis
  - Long-term effects of HIV treatment in sub-Saharan Africa: from access to quality.
    T.S. Boender.
    Supervisors: Prof. dr. T.F. Rinke de Wit & Prof. dr. M. Boele van Hensbroek.
    Co-supervisors: Dr. K.C.E. Sigaloff & Dr. J.C.J. Calis.
    Date of PhD defense: May 20th, 2016.
    Available online at http://hdl.handle.net/11245/1.530341

- Conference proceedings
  - Oral presentations
    - Accumulation of HIV-1 drug resistance after continued virological failure on first-line antiretroviral therapy in adults and children. Abstract #7.
      10th International Workshop on HIV Treatment, Pathogenesis, and Prevention Research in Resource Limited Settings (INTEREST), May 3-6 2016, Yaoundé, Cameroon.
    - Protease Inhibitor Resistance at 2nd-Line HIV Treatment Failure in Sub-Saharan Africa.
Abstract #38.


- Continued virological failure and unnecessary switching of antiretroviral treatment for HIV-1 may occur despite access to viral load monitoring. African Society for Laboratory Medicine (ASLM) Conference 1 December 2014, Cape Town, South Africa.

**Poster presentations**


- Durability of first-line combination antiretroviral therapy (cART) for HIV in the Netherlands.

_Last updated: March 2021_
21st International Workshop on HIV and Hepatitis Observational Databases (IWHOD), Lisbon, Portugal, 30th March - 1st April 2017. Abstract #110.

- HIV drug resistance after continued virological failure on first line antiretroviral therapy predicts limited role for second-generation non-nucleoside reverse transcriptase inhibitors in sub-Saharan Africa. 20th International Workshop on HIV Observational Databases (IWHOD) 7-9th April 2016, Budapest, Hungary. Abstract #123.


**Invited talks**

**Academic talks**

- Berlin Epidemiological Methods Colloquium (BEMC). Social Media for Public Health #SoMe4epis. 7 April 2021, Berlin/online.

**Guest lectures**

Guest/invited lecturer in infectious disease epidemiology, international public health, and HIV and drug resistance, 1-3 lectures/year, since 2013:

- Health Sciences – Public Health & Infectious Diseases (MSc), and Introduction to Health Sciences (1st year BSc) Health Sciences, VU University Amsterdam, the Netherlands.
- Introduction to Public Health, Epidemiology (2nd/3rd year BSc), Amsterdam University College, the Netherlands
- Global Public Health (GPH) programme of Leiden University College, the Netherlands.
- Healthcare Management and Modelling (2nd/3rd year BSc), Industrial Engineering Eindhoven University of Technology, the Netherlands.

**Policy meetings**


*Last updated: March 2021*

**Science communication**
- With Gideon Duschek, I strive for an accurate emoji for vaccination: #VaccineEmoji
  - On Twitter: [https://twitter.com/VaccineEmoji](https://twitter.com/VaccineEmoji)
  - van der Stap S. Emoji voor een prik. NRC Handelsblad. 9 Januari 2021. [https://www.nrc.nl/nieuws/2021/01/09/emoji-voor-een-prik-a4026867](https://www.nrc.nl/nieuws/2021/01/09/emoji-voor-een-prik-a4026867)

- Media & interviews: interviews with journalists reporting on the COVID-19 response activities in Germany. Including the main news outlets in the Netherlands (NOS, NRC, De Groene Amsterdammer) and Germany (Tagesschau, Deutschlandfunk):
  - NPO Radio 1 Nieuws & Co:
    - Leren van Duitse corona-aanpak. 12 augustus 2020
    - Tussentijdse evaluatie corona-aanpak Duitsland met Sonia Boender. 18 June 2020
  - van Lonkhuyzen L, van den Dool P. Is een naaste besmet? Dan word je gebeld. NRC Handelsblad. 2020 19 May 2020. [https://www.nrc.nl/nieuws/2020/05/19/is-een-naaste-besmet-dan-word-je-gebeld-a4000253](https://www.nrc.nl/nieuws/2020/05/19/is-een-naaste-besmet-dan-word-je-gebeld-a4000253)
  - de Vrieze J. Corona: De exit-strategie. Testen, opsporen, isoleren. De Groene Amsterdammer. 1 April 2020
  - Nach erstem Corona-Shutdown - Weniger Fälle anderer Infektionskrankheiten; multiple, e.g. Tagesschau, ZDF, Deutschlandfunk Nova, MDR
- Co-organiser and trainer of the two-day EPIET Alumni Network Workshop Social Media for Public Health Professionals, August 2019, Prague, Czech Republic.
- Active on Twitter (@SoniaBoender); in the week of 22-28 April 2019, I tweeted for the Dutch rotating curator account for scientists: @NL_Wetenschap.
- Blog post: [https://soniaboender.wordpress.com/blog-posts/](https://soniaboender.wordpress.com/blog-posts/)
- Empowering Women and girls through mentoring - the #ITOO initiative by Mpho & Marceline van Furth-Tutu: [https://www.itoowomen.com/itoo-stories/](https://www.itoowomen.com/itoo-stories/)
- HIV Next Gen Workshop, to mobilize 120 passionate students to become the next generation of HIV leaders and change makers (parallel to the AIDS 2018

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conference), 23 July 2018. Session 4: How to limit the spread of the virus. Presentation and interview, together with Dr Stefano Vella.

CV available on www.soniaboender.com