Dr Sonia Boender
Full list of publications, presentations & communications

Summary
- Publications on 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/Accepted
   Boender TS, Bartmeyer B, Coole L, Wichmann O, Harder T. Accepted for publication in Eurosurveillance. Review protocol: PROSPERO 2019 CRD42019123533
3. Real-time data from medical care settings to guide public health action [Article in German: Gewinnung von Echtzeitdaten aus der medizinischen Versorgung zur Handlungssteuerung in Public Health]
C, Zapf A.

6. The relative contributions of HIV drug resistance, nonadherence and low-level viremia to viremic episodes on antiretroviral therapy in sub-Saharan Africa.
AIDS. 2020 Aug 1;34(10):1559-1566. doi: 10.1097/QAD.0000000000002588


8. 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.

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


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

AIDS. 2018 Jan 28;32(3):327-335. doi: 10.1097/QAD.0000000000001692

Last updated: May 2021
Kityo C* & Boerma RS*, Sigaloff KCE, Kaudha E, Calis JCJ, Musiime V, Balinda S, Nakanjako R, Boender TS, Mugyenyi PN, Rinke de Wit TF. [*Authors contributed equally to the work].

15. Twenty years of combination antiretroviral therapy for HIV infection in the Netherlands: progression and new challenges [Article in Dutch: 20 jaar hiv-combinatietherapie in Nederland].
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]


17. 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].

20. Protease Inhibitor Resistance in the First 3 Years of Second-Line Antiretroviral Therapy for HIV-1 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, Sigaloff KC.

22. HIV Drug Resistance Among Children Initiating First-Line Antiretroviral Treatment in Uganda.
Kityo C, Sigaloff KC, Boender TS, Kaudha E, Kayiwa J, Musiime V, Mukuye A, Kiconco M, Nankya I, Nakatudde-Katumba L, Calis JC, Rinke de Wit TF, Mugyenyi PN.

Last updated: May 2021


Collaboration papers


Last updated: May 2021


34. Management of drug interactions with direct-acting antivirals in Dutch HIV/hepatitis C virus-coinfected patients: adequate but not perfect.

35. High Treatment Uptake in Human Immunodeficiency Virus/Hepatitis C Virus-Coinfected Patients After Unrestricted Access to Direct-Acting Antivirals in the Netherlands.

Preprints

Boender TS & Bender J, Walter J, Buchholz U.
Preprint: https://www.medrxiv.org/content/10.1101/2021.03.17.21251046v1

37. 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.
https://repository.ubn.ru.nl/bitstream/handle/2066/210157/210157.pdf

Other publications

Epidemiological Bulletin

- Inanspruchnahme deutscher Notaufnahmen während der COVID-19-Pandemie – der Notaufnahme-Situationsreport (SitRep). [Article in German]

Last updated: May 2021


**Epidemiological reports (monitoring & surveillance)**

  - Chapter 2: Response to combination antiretroviral therapy.
    Sonia Boender, Ard van Sighem, Ferdinand Wit, Kees Brinkman, Kees van Nieuwkoop, Anne Wensing, Peter Reiss
  - 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.
  - Chapter 2: Response to combination antiretroviral therapy.
    Sonia Boender, Ard van Sighem, Ferdinand Wit, Kees Brinkman, Jan Prins, 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**

  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.
  Thesis available online at http://hdl.handle.net/11245/1.530341

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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.
- 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

- Substantial decline in virological failure after combination antiretroviral treatment (cART) initiation in treatment-naive HIV-positive adults in the Netherlands from 1996 to 2016. 22nd

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


**Policy meetings**


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Science communication

- With Gideon Duschek, I strive for an accurate emoji for vaccination: #VaccineEmoji
  - On Twitter: [https://twitter.com/VaccineEmoji](https://twitter.com/VaccineEmoji)
- 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):
  - 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](https://www.degroeneamsterdammer.nl/)
  - Nach erstem Corona-Shutdown - Weniger Fälle anderer Infektionskrankheiten; multiple, e.g. [Tagesschau, ZDF, Deutschlandfunk Nova, MDR](https://www.tagesschau.de/

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