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

1. Factors preventing SARS-CoV-2 transmission during unintentional exposure in a GP practice: a cohort study of patient contacts; Germany, 2020.
   Boender TS, Bender JK, Krüger A, Michaelis K, Buchholz U.
   Epidemiol Infect. 2021 Jul 2;149:e161. doi: 10.1017/S0950268821001503
2. Social media for field epidemiologists (#SoMe4Epi): How to use Twitter during the #COVID19 pandemic.
   Hammer CC, Boender TS, Thomas DR. Int J Infect Dis. 2021 May 19:S1201-9712(21)00437-9. doi: 10.1016/j.ijid.2021.05.035 Online ahead of print.
3. Impact of the COVID-19 pandemic and associated non-pharmaceutical interventions on other notifiable infectious diseases in Germany: an analysis of national surveillance data during week 1-2016 – week 32-2020.
   Ullrich A, Schranz M, Rexroth U, Hamouda O, Schaade L, Diercke M, Boender TS.
   The Lancet Regional Health - Europe. doi: 10.1016/j.lanepe.2021.100103
4. Risk of Guillain-Barré Syndrome after vaccination against human papillomavirus (HPV): a systematic review & meta-analysis.
   Boender TS, Bartmeyer B, Coole L, Wichmann O, Harder T.
   Accepted for publication in Eurosurveillance.
   Review protocol: PROSPERO 2019 CRD42019123533
5. 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]
   Grabenhenrich Mph L, Schranz M, Boender S, Kocher T, Esins J, Fischer M.
   Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz. 2021 Mar 24:1-6. doi: 10.1007/s00103-021-03300-5.
6. Access to HIV viral load testing and antiretroviral therapy switch practices: a multi-country prospective cohort study in sub-Saharan Africa.
   Ondoa P, Kim AA, Boender TS, Zhang G, Kroeze S, Wiener J, Rinke de Wit T, Nkengasong
   AIDS Res Hum Retroviruses. 2020 Nov;36(11):918-926. doi: 10.1089/AID.2020.0049

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7. Investigation of a COVID-19 outbreak in Germany resulting from a single travel-associated primary case: a case series.
   Böhmer MM, Buchholz U, Corman VM, Hoch M, Katz K, Marosevic DV, Böhm S, Woudenberg T, Ackermann N, Konrad R, Eberle U, Treis B, Dangel A, Bengs K, Fingerle V, Berger A, Hörmansdorfer S, Ippisch S, Wicklein B, Grahl A, Pörtner K, Muller N, Zeitlmann N, Boender TS, Cai W, Reich A, An der Heiden M, Rexroth U, Hamouda O, Schneider J, Veith T, Mühlemann B, Wölfel R, Antwerpen M, Walter M, Protzer U, Liebl B, Haas W, Sing A, Drosten C, Zapf A.
   Lancet Infect Dis. 2020 May 15:S1473-3099(20)30314-5. doi: 10.1016/S1473-3099(20)30314-5
8. The relative contributions of HIV drug resistance, nonadherence and low-level viremia to viremic episodes on antiretroviral therapy in sub-Saharan Africa.
   Inzaule SC, Bertagnolio S, Kityo CM, Siwale M, Akanmu S, Wellington M, de Jager M, Ive P, Mandaliya K, Stevens W, Boender TS, Ondoa P, Sigaloff KCE, Rinke de Wit TF, Hamers RL.
   AIDS. 2020 Aug 1;34(10):1559-1566. doi: 10.1097/QAD.0000000000002588
9. Acute hepatitis C infection among adults with HIV in the Netherlands between 2003 and 2016: a capture-recapture analysis for the 2013 to 2016 period.
   Boender TS, Op de Coul E, Arends J, Prins M, van der Valk M, van der Meer JTM, van Benthem B, Reiss P, Smit C.
   Euro Surveill. 2020 Feb;25(7). doi: 10.2807/1560-7917.ES.2020.25.7.1900450
10. Effectiveness of transmitted drug resistance testing before initiation of antiretroviral therapy in HIV-positive individuals.
    Lodi S, Günthard HF, Gill J, Phillips AN, Dunn D, Vu Q, Siemieniuk R, Garcia F, Logan R, Jose S, Bucher HC, Scherrer AU, Reiss P, van Sighem A, Boender TS, Porter K, Gilson R, Paraskevis D, Simeon M, Vourli G, Moreno S, Jarrin I, Sabin C, Hernán MA.
    J Acquir Immune Defic Syndr. 2019 Nov 1;82(3):314-320. doi: 10.1097/QAI.0000000000002135
11. Compliance with laboratory monitoring guidelines in outpatient HIV care: a qualitative study in the Netherlands.
    Toxopeus DCM, Pell CL, Westrhenen NB, Smit C, Wit FWNM, Ondoa P, Reiss P, Boender TS.
    AIDS Care. 2019 Jan 2:1-8. doi: 10.1080/09540121.2018.1563280
12. Previous antiretroviral drug use compromises standard first-line HIV therapy and is mediated through drug-resistance.
    Inzaule SC, Kityo CM, Siwale M, Akanmu AS, Wellington M, de Jager M, Ive P, Mandaliya K, Stevens W, Boender TS, Ondoa P, Sigaloff KCE, Naniche D, Rinke de Wit TF, Hamers RL.
    Sci Rep. 2018 Oct 25;8(1):15751. doi: 10.1038/s41598-018-33538-0
13. AIDS Therapy Evaluation in the Netherlands (ATHENA) national observational HIV cohort: cohort profile.
    Boender TS, Smit C, Sighem AV, Bezemer D, Ester CJ, Zaheri S, Wit FWNM, Reiss P; ATHENA national observational HIV cohort.
    BMJ Open. 2018 Sep 24;8(9):e022516. doi: 10.1136/bmjopen-2018-022516
14. Suboptimal immune recovery during antiretroviral therapy with sustained HIV suppression in sub-Saharan Africa.
    Kroeze S, Ondoa P, Kityo CM, Siwale M, Akanmu S, Wellington M, de Jager M, Ive P, Mandaliya K, Stevens W, Boender TS, de Pundert ME, Sigaloff KCE, Reiss P, Wit FWNM, Rinke de Wit TF, Hamers RL.
    AIDS. 2018 May 15;32(8):1043-1051. doi: 10.1097/QAD.0000000000001801

15. Effect of immediate initiation of antiretroviral treatment on the risk of acquired HIV drug resistance.
    Lodi S, Günthard HF, Dunn D, Garcia F, Logan R, Jose S, Bucher HC, Scherrer AU, Schneider MP, Egger M, Glass TR, Reiss P, van Sighem A, Boender TS, Phillips AN, Porter K, Hawkins D, Moreno S, Monge S, Paraskevis D, Simeon M, Vourli G, Sabin C, Hernán MA; HIV-CAUSAL Collaboration.
    AIDS. 2018 Jan 28;32(3):327-335. doi: 10.1097/QAD.0000000000001692
16. Pretreatment HIV drug resistance results in virological failure and accumulation of additional resistance mutations in Ugandan children.
    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].
    J Antimicrob Chemother. 2017 Sep 1;72(9):2587-2595. doi: 10.1093/jac/dkx188
17. Twenty years of combination antiretroviral therapy for HIV infection in the Netherlands: progression and new challenges [Articlr 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]
    Ned Tijdschr Geneeskd. 2017;161:D1123.
18. Adherence to antiretroviral therapy for HIV in sub-Saharan Africa and Asia: a comparative analysis of two regional cohorts.
    Bijker R, Jiamsakul A, Kityo C, Kiertiburanakul S, Siwale M, Phanuphak P, Akanmu S, Chaiwarith R, Wit FW, Sim BL, Boender TS, Ditangco R, Rinke De Wit TF, Sohn AH, Hamers RL.
    J Int AIDS Soc. 2017 Mar 3;20(1):1-10. doi: 10.7448/IAS.20.1.21218
19. 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; Ndembi N; Adeyemo T; Temiye EO; Osibogun A; Ondoa, P, Calis JC* & Akanmu AS* [*Both first and both senior authors contributed equally to the work].
    J Int AIDS Soc. 2016 Nov 10;19(1):21140. doi: 10.7448/IAS.19.1.21140
20. Suboptimal viral suppression rates among HIV-infected children in low- and middle-income countries: a meta-analysis.
    Boerma RS, Boender TS, Bussink AP, Calis JC, Bertagnolio S, Rinke de Wit TF, Boele van Hensbroek M, Sigaloff KC.
    Clin Infect Dis. 2016 Dec 15;63(12):1645-1654. doi: 10.1093/cid/ciw645
21. Second-line HIV Treatment in Ugandan Children: Favorable Outcomes and No Protease Inhibitor Resistance.
    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].
    J Trop Pediatr. 2017 Apr 1;63(2):135-143. doi: 10.1093/tropej/fmw062
22. Protease Inhibitor Resistance in the First 3 Years of Second-Line Antiretroviral Therapy for HIV-1 in Sub-Saharan Africa.
    Boender TS, Hamers RL, Ondoa P, Wellington M, Chimbetete C, Siwale M, Labib Maksimos EE, Balinda SN, Kityo CM, Adeyemo TA, Akanmu AS, Mandaliya K, Botes ME, Stevens W, Rinke de Wit TF, Sigaloff KC.
    J Infect Dis. 2016 Sep 15;214(6):873-83. doi: 10.1093/infdis/jiw219
23. Accumulation of HIV-1 drug resistance after continued virological failure on first-line ART in adults and children in sub-Saharan Africa.

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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.
J Antimicrob Chemother. 2016 Oct;71(10):2918-27. doi: 10.1093/jac/dkw218

24. 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.
AIDS Res Hum Retroviruses. 2016 Jul;32(7):628-35. doi: 10.1089/AID.2015.0215
25. Sequencing paediatric antiretroviral therapy in the context of a public health approach.
Boerma RS, Boender TS, van Hensbroek MB, Rinke de Wit TF, Sigaloff KC.
J Int AIDS Soc. 2015 Dec 2;18(Suppl 6):20265. doi: 10.7448/IAS.18.7.20265
26. Pretreatment HIV drug resistance increases regimen switches in sub-Saharan Africa.
Boender TS, Hoenderboom BM, Sigaloff KC, Hamers RL, Wellington M, Shamu T, Siwale M, Labib Maksimos EE, Nankya I, Kityo CM, Adeyemo TA, Akanmu AS, Mandaliya K, Botes ME, Ondoa P, Rinke de Wit TF.
Clin Infect Dis. 2015 Dec 1;61(11):1749-58. doi: 10.1093/cid/civ656
27. Long-term Virological Outcomes of First-Line Antiretroviral Therapy for HIV-1 in Low- and Middle-Income Countries: A Systematic Review and Meta-analysis.
Boender TS, Sigaloff KC, McMahon JH, Kiertiburanakul S, Jordan MR, Barcarolo J, Ford N, Rinke de Wit TF, Bertagnolio S.
Clin Infect Dis. 2015 Nov 1;61(9):1453-61. doi: 10.1093/cid/civ556
28. Research in action: from AIDS to global health to impact. A symposium in recognition of the scientific contributions of Professor Joep Lange.
Boender TS†, Barré-Sinoussi F, Cooper D, Goosby E, Hankins C, Heidenrijk M, de Jong M, Kazatchkine M, Laoye F, Merson M, Reiss P, Rinke de Wit TF, Rogo K, Schellekens O, Schultsz C, Sigaloff KC, Simon J, Zewdie D. [†Primary author. Subsequent authors listed alphabetically]
Antivir Ther. 2015;20(1):101-8. doi: 10.3851/IMP2946
29. Performance and logistical challenges of alternative HIV-1 virological monitoring options in a clinical setting of Harare, Zimbabwe.
Ondoa P, Shamu T, Bronze M, Wellington M, Boender TS, Manting C, Steegen K, Luethy R, Rinke de Wit T.
Biomed Res Int. 2014;2014:102598. doi: 10.1155/2014/102598
30. Barriers to Initiation of Pediatric HIV Treatment in Uganda: A Mixed-Method Study.
Boender TS, Sigaloff KC, Kayiwa J, Musiime V, Calis JC, Hamers RL, Nakatudde LK, Khauda E, Mukuye A, Ditai J, Geelen SP, Mugyenyi P, Rinke de Wit TF, Kityo C.
AIDS Res Treat. 2012;2012:817506. doi: 10.1155/2012/817506

Collaboration papers

31. Field investigations of SARS-CoV-2-outbreaks in Germany by the Robert Koch Institute, February–October 2020 [Article in German: Untersuchung von SARS-CoV-2-Ausbrüchen in Deutschland durch Feldteams des Robert Koch-Instituts, Februar–Oktober 2020]
Alpers K, Haller S, Buchholz U, RKI Feldteams
Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz. 2021 Apr;64(4):446-453. doi: 10.1007/s00103-021-03296-y
32. Prevalence and Clinical Outcomes of Poor Immune Response Despite Virologically Suppressive Antiretroviral Therapy Among Children and Adolescents With Human Immunodeficiency Virus in Europe and Thailand: Cohort Study.
European Pregnancy and Paediatric HIV Cohort Collaboration (EPPICC) Study Group in

EuroCoord.
Clin Infect Dis. 2020 Jan 16;70(3):404-415. doi: 10.1093/cid/ciz253

33. First-line HIV treatment failures in non-B subtypes and recombinants: a cross-sectional analysis of multiple populations in Uganda.
Poon AFY, Ndashimye E, Avino M, Gibson R, Kityo C, Kyeyune F, Nankya I, Quiñones-Mateu ME, Arts EJ; The Ugandan Drug Resistance Study Team.
AIDS Res Ther. 2019 Jan 22;16(1):3. doi: 10.1186/s12981-019-0218-2
34. Clinically relevant thresholds for ultrasensitive HIV drug resistance testing: a multi-country nested case-control study.
Inzaule SC, Hamers RL, Noguera-Julian M, Casadellà M, Parera M, Kityo C, Steegen K, Naniche D, Clotet B, Rinke de Wit TF, Paredes R; PanAfrican Studies to Evaluate Resistance.
Lancet HIV. 2018 Nov;5(11):e638-e646. doi: 10.1016/S2352-3018(18)30177-2
35. Gender differences in the use of cardiovascular interventions in HIV-positive persons; the D:A:D Study.
Hatleberg CI, Ryom L, El-Sadr W, Mocroft A, Reiss P, De Wit S, Dabis F, Pradier C, d'Arminio Monforte A, Kovari H, Law M, Lundgren JD, Sabin CA; Data Collection of Adverse Events of Anti-HIV drugs (D:A:D) Study group.
J Int AIDS Soc. 2018 Mar;21(3). doi: 10.1002/jia2.25083
36. Management of drug interactions with direct-acting antivirals in Dutch HIV/hepatitis C virus-coinfected patients: adequate but not perfect.
Smolders EJ, Smit C, de Kanter C, Dofferhoff A, Arends JE, Brinkman K, Rijnders B, van der Valk M, Reiss P, Burger DM; ATHENA National HIV Observational Cohort.
HIV Med. 2018 Mar;19(3):216-226. doi: 10.1111/hiv.12570
37. High Treatment Uptake in Human Immunodeficiency Virus/Hepatitis C Virus-Coinfected Patients After Unrestricted Access to Direct-Acting Antivirals in the Netherlands.
Boerekamps A, Newsum AM, Smit C, Arends JE, Richter C, Reiss P, Rijnders BJA, Brinkman K, van der Valk M; NVHB-SHM Hepatitis Working Group and the Netherlands ATHENA HIV Observational Cohort.
Clin Infect Dis. 2018 Apr 17;66(9):1352-1359. doi: 10.1093/cid/cix1004

Preprints/in preparation

38. 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.
Bollen PDJ, Hakkers CS, Boender TS, van Crevel R, Brouwer A, Hoepelman IM, Reiss P, Wit FWNM, Arends JE, Burger DM, on behalf of the ATHENA national observational HIV cohort.
https://repository.ubn.ru.nl/bitstream/handle/2066/210157/210157.pdf
39. Using routine emergency department data for syndromic surveillance of acute respiratory illness before and during the COVID-19 pandemic in Germany, week 10-2017 and 10-2021.
Boender TS, Cai W, Schranz M, Kocher T, Wagner B, Ullrich A, Buda S, Zöllner R, Greiner F, Diercke M, Grabenhenrich L. medRxiv 2021.08.19.21262303;
doi:https://doi.org/10.1101/2021.08.19.21262303
40. Long-term outcomes of first-line NNRTI-based antiretroviral treatment: a large multi-country cohort study in sub-Saharan Africa.
Inzaule SC, Kroeze S, Kityo CM, Siwale M, Akanmu S, Wellington M, de Jager M, Ive P, Mandaliya K, Stevens W, Steegen K, Nankya I, Boender TS, Ondoa P, Sigaloff KCE, Rinke de Wit T, Hamers RL. Submitted.

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41. Ethical science communication during an international health emergency: a proposal on code of conduct from members of the international research community.
Cevik M, Baidjoe AY, Boender TS, Bogoch II, Gobat N, Hansen L, et al. Submitted.

Other publications

Epidemiological Bulletin

- Reiseasso ziierte COVID-19-Fälle im Stadtkreis Offenbach und Deutschland, Juni – November 2020: Erkrankungs beginne und SARS-CoV-2-Testungen nach Einreise. [Article in German]
Boender TS, von Kleist M, Faust C, Heese H, Bornhofen B, Lewandowsky MM, Rieß M.
Epid Bull 2021;32:3 -13 | DOI 10.25646/8828
- Die Auswirkungen der COVID-19-Pandemie und assoziierter Public-Health-Maßnahmen auf andere meldepflichtige Infektionskrankheiten in Deutschland (MW 1/2016 – 32/2020) Schranz M, Ullrich A, Rexroth U, Hamouda O, Schaade L, Diercke M, Boender S. Epid Bull 2021;7:3 -7 | DOI 10.25646/8011
- Inanspruchnahme deutscher Notaufnahmen während der COVID-19-Pandemie – der Notaufnahme-Situationsreport (SitRep). [Article in German]
Boender TS, Greiner F, Kocher T, Schirrmeister W, Majeed RW, Bienzeisler J, Grabenhenrich L, Schranz M. Epid Bull 2020;27:3-5. DOI 10.25646/6959
- Nutzung von Routinedaten aus Notaufnahmen: Beschreibung zweier Häufungen von Notaufnahmevorstellungen in Wolfsburg und Stuttgart während der COVID-19-Pandemie. [Article in German]
Schranz M, Greiner F, Kocher T, Grabenhenrich L, Majeed RW, Erdmann B, Menzel CU, Schilling T, Boender TS. Epid Bull 2020;27:6–11. DOI 10.25646/6960

Epidemiological reports (monitoring & surveillance)

- Infectious disease annual report in 2019, 2020, and 2021: Infektions-epidemiologisches Jahrbuch. Berlin: Robert Koch-Institut.
- HIV Monitoring Reports for the Netherlands in 2016, 2017, and 2018: Human Immunodeficiency Virus (HIV) Infection in the Netherlands. Amsterdam: Stichting HIV Monitoring.

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

Conference proceedings

Oral presentations

- The #VaccineEmoji: a design proposal for a vaccinated emoji. INFODEMIC: a Stanford Conference on Social Media & COVID-19 Misinformation, Research Symposium, 26 August 2021, Online.

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- Risk of Guillain-Barré Syndrome after vaccination against human papillomavirus (HPV): a systematic review. Abstract #2.2.
  European Scientific Conference on Applied Infectious Disease Epidemiology (ESCAIDE 2019), 27 November 2020, Stockholm, Sweden.
- Notification and registration of acute hepatitis C infection among HIV-positive adults. [Presentation in Dutch: Acute hepatitis C bij mensen met hiv: melding & registratie], Annual SOA/HIV Expertmeeting, 22 June 2018, Netherlands National Institute for Public Health and Environment [Rijksinstituut voor Volksgezondheid en Milieu, RIVM], Bilthoven, the Netherlands.
- 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.
  XXV International HIV Drug Resistance Workshop, 21-22 February 2016, Boston: Abstract #38.
  Featured in: Global Antiviral Journal Volume 12 Supplement 1.
- Pretreatment HIV Drug Resistance Increases Regimen Switch in Sub-Saharan Africa.
  Conference on Retroviruses and Opportunistic Infections (CROI) 23-26 February 2015, Seattle: Abstract #118.
  Featured in: Olender, S.A. et al., 2015. CROI 2015: Advances in antiretroviral therapy. Top Antivir Med, 23(1), pp.28–45.
- Pretreatment HIV Drug Resistance Increases Regimen Switch in Sub-Saharan Africa.
  XXIV International HIV Drug Resistance Workshop, 21-22 February 2015, Seattle: Abstract #3.
  Featured in: Prevalence of transmitted drug resistance globally: highest in Australia, US and some European countries but between-country differences in all regions. iBase HIV Treatment Bulletin. 24 March 2015.
- 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

- The impact of the COVID-19 pandemic & associated public health measures on other notifiable infectious diseases under surveillance in Germany.
  Boender TS, Schranz M, Wagner B, Rexroth U, Diercke M, Ullrich A. ESCAIDE. 24-27 November 2020. Online. Abstract 6.16.
- Boender TS & Bender J, Michaelis K, Krueger A, Buchholz U.
  The risk of SARS-CoV-2 transmission by infected general practitioners (GPs): a cohort of contacts from a GP practice in Nuremberg, Germany, February – March 2020. ESCAIDE. 24-27 November 2020. Online. Abstract 6.9.
- Substantial decline in virological failure after combination antiretroviral treatment (cART) initiation in treatment-naïve HIV-positive adults in the Netherlands from 1996 to 2016. 22nd International AIDS Conference (AIDS 2018), Amsterdam, Netherlands, 23-27 July 2018. Abstract 1405.

- Acute hepatitis C infection among HIV-positive adults in the Netherlands: a capture-recapture analysis of two national databases. 22nd International Workshop on HIV and Hepatitis Observational Databases (IWHOD), Fuengirola, Spain, 22-24 March 2018. Abstract 036.
- 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 International Workshop on HIV and Hepatitis Observational Databases (IWHOD), Fuengirola, Spain, 22-24 March 2018. Abstract 115.
- Initiation of cART: a nationwide overview of variation between HIV treatment centres in the Netherlands. 9th IAS Conference on HIV Science (IAS), Paris, France, 23-26 July 2017. Abstract #WEPED1415.
- 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.
- Protease Inhibitor Resistance at 2nd-line HIV Treatment Failure in Sub-Saharan Africa. Conference on Retroviruses and Opportunistic Infections (CROI) February 22–25 2016, Boston, MA, USA. Abstract #498.
  Featured in: Taylor BS, Olender SA, Tieu HV, Wilkin TJ. CROI 2016: Advances in antiretroviral therapy. Top Antivir Med 2016 May-Jun;24(1):59-81.
- Long-term virological outcomes of first-line antiretroviral therapy for HIV-1 in low- and middle-income countries: a systematic review and meta-analysis. Netherlands Conference on HIV Pathogenesis, Epidemiology, Prevention and Treatment (NCHIV) 18 November 2014: Abstract #38.
- Favorable Long-term Outcomes of 2nd-line ART Despite Drug-Resistant HIV-1 in Sub-Saharan Africa. Conference on Retroviruses and Opportunistic Infections (CROI) 3-6 March 2014: Abstract #570.
  Featured in: Taylor BS, Shalev N, Wilkin TJ. CROI 2014: Advances in antiretroviral therapy. Top Antivir Med 2014 May; 22: 616–31.

Invited talks

Academic talks

- Social Media for Public Health #SoMe4epis. Berlin Epidemiological Methods Colloquium (BEMC). 7 April 2021. Recording on YouTube

Policy meetings

- GGD GHOR, The German COVID-19 response; scaling up contact tracing, 17 September 2020. Online.
- National Uganda Virus Research Institute Stakeholders' Workshop. Kampala, Uganda. 11-12 March 2015. Workshop theme: Working together for better HIV laboratory services and improved delivery of prevention and care. Presentation: HIV Drug Resistance in Sub-Saharan Africa response to 1st-line ART.
  Featured in newspaper article: New Vision, HIV drug resistance worries experts, March 13, 2015.

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- HIV Drug Resistance Technical Working Group, Harare, Zimbabwe. 29 October 2015. Presentation title: Long-term HIV treatment outcomes: findings from the PASER study, highlights from Zimbabwe.

Science communication

- With Gideon Duschek, I strive for an accurate emoji for vaccination: #VaccineEmoji. On Twitter: https://twitter.com/VaccineEmoji

    - The #VaccineEmoji: a design proposal for a vaccinated emoji. INFODEMIC: a Stanford Conference on Social Media & COVID-19 Misinformation, Research Symposium, 26 August 2021, Online.
    - Amanda D'Ambrosio. No More Bloody Syringe: New Vaccine Emoji Gains Key Support - Icon promotes positive image of COVID vaccine on social media, docs and public health experts say. MedPage Today. 23 July 2021. https://www.medpagetoday.com/special-reports/exclusives/93728
    - 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
- 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
        - Hoe pak je grootschalig bron- en contactonderzoek aan? 21 May 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
    - 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 of the ESCAIDE2019 Career Compass, November 2019, Stockholm, Sweden.
- 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.
- Empowering Women and girls through mentoring - the #ITOO initiative by Mpho & Marceline van Furth-Tutu: 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.

CV available on www.soniaboender.com

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