

Curriculum vitae – B.E. Moen

(updated 4 Sept 2023)

Personal information

Family name, First name: Moen, Bente Elisabeth.

Date of birth: 06.06.1956.

Sex: Female.

Nationality: Norwegian.

Personal web site: <http://www.uib.no/personer/Bente.Elisabeth.Moen>

Current position

2013 – dd. Professor in Occupational Medicine and International Health, Centre for International Health, University of Bergen, Norway.
Participates in the research group: Occupational and environmental Medicine; with special responsibility for global occupational health.

Previous positions

1981-1983 Internship as physician (Stavanger, Odda - Norway).
1983-1984 Ass. Physician, Solli nervesanatorium (psychiatry), Bergen, Norway.
1984-1985 General Practitioner, Institutt for allmenntmedisin Bergen, Norway.
1985-1988 Research Fellow, University of Bergen /Haukeland Hospital, Norway.
1988-1990 Ass. Physician, Neurological Department, Haukeland Hospital, Norway.
1988-1989 Occupational Physician, Bergen Occupational Health Service, Norway
1990-2013 Leader of research group Occupational and Environmental Medicine
1990-dd University of Bergen, Norway: Ass. Professor 1990-1996, thereafter Professor in Occupational Medicine, from 2013 also Professor in Global Health.
1996-1998 Department leader, Department of Public Health and Primary Health Care, University of Bergen, Norway (elected leader).
1996-2004 Director at UNIFOB, a research foundation affiliated to the University of Bergen (20%)
2005-2006 Vice director in Uni Helse (20%)
2009-2013 Ass Chief Physician, Department of Occupational Medicine, Haukeland University Hospital – 20% position
2013-dd Professor/Director at Centre for International Health (CIH), University of Bergen, Norway.
2002-2012 Main Editor of the journal Ramazzini, for Norwegian occupational physicians.
2000-2013 Head of the Board of X-lab, a laboratory of Occupational Hygiene.
2013-2023 Director at Centre for International Health, Department of Global Health and Primary Care, University of Bergen, Norway.
2017-2023 Director of the strategic and interfaculty area Global Challenges at the University of Bergen, Norway.

Scientific qualifications

1997 Professor in occupational medicine at the University of Bergen.

2013 Professor in International Health at University of Bergen.

Education

1975-1981 Cand.med. University of Bergen, 1983 Authorization as a physician in Norway.

1986-1991 Dr.med. , Faculty of Medicine, University of Bergen, Norway, supervisor Professor Gudbrand O. Fossan, Department of Neurology.

1990-1996 Specialist in Occupational Medicine/Authorized by the Norwegian Medical Association.

Managerial skills

Moen has been Head of the occupational health division for more than 22 years, honored with a Faculty of Medicine research achievement award at the University of Bergen in 2011. Moen has been Head of Department of Public Health and Primary Health Care, and has been Head of the Board of X-lab (laboratory of occupational hygiene) on behalf of University of Bergen. Moen has extensive experience with fiscal management, in many projects at UiB, financed with external grants. Many of these projects have been performed in Tanzania and Ethiopia. She has formal education in Administration from the Norwegian Medical Association and several courses/supervision sessions in Administration and Organizational issues. Moen has been leader of many educational programs and courses in Occupational Health and is a part of Management boards for both Master and PhD Education at UiB.

Previous experience from partnerships/projects on occupational health in low-income countries

- 2003-2006: The main project coordinator in the project Occupational respiratory diseases among male and female workers in dusty industries in Tanzania. NUFU funding, Phase I.
- 2007-2012: The main project coordinator in the project Occupational respiratory diseases among male and female workers in dusty industries in Tanzania. NUFU funding, Phase II.
- 2014-2020: North coordinator of Reduction of burden of injuries and diseases due to occupational exposures through capacity building in low income countries. NORHED 1 funding, together with partners in Tanzania (main partner) and Ethiopia.
- 2021-dd The main project coordinator of the NORHED 2 project SAFEWORKERS - Safe Work Conditions by Innovative Research and Education; including the project on Virtual School in Occupational Health

Key interest/expertise areas

Occupational Health, especially in workplace settings in Low- and Middle-income Countries (LMIC). Capacity building in occupational health is my main interest, but I have also experience from capacity building in surgery and global mental health in LMIC. My expertise is wide; neurotoxicology, respiratory health, work organization – especially shift work and work schedules, noise and hearing, modern slavery /trafficking - and occupational exposure evaluation. Methodologically, I work with epidemiology and combine these with exposure studies, but I have also used mixed methods, including qualitative aspects in the research. Development of occupational health services is one main interest, both in Norway (historically and present) and in other countries. Related to education, students all over the world in LMIC are interesting for me and especially digital – online teaching. I have made/performed digital learning systems and online teaching for 20 years, developing e-learning in occupational health for medical students and physicians in Norway. I have run a Massive Open Online Course (MOOC) in Occupational Health in Developing Countries twice a year since 2017, taught 24 000 students in these and received 2 educational prizes.

Number of PhD—and master students' supervision

Moen has supervised 30 PhD students who has graduated at UiB, among them 14 from African countries. Moen has supervised 21 Master students from different LIC at CIH; on topics in occupational health.

Teaching activities

-Moen has been responsible for the education in Occupational Medicine at UiB since 1990, when

she established this topic at the Faculty of Medicine at UiB.

-Moen has made an electronic book in Occupational Medicine for medical students (2012).

-She has established a «track» in Occupational hygiene related to the master's in international Health, UiB, from 1998.

-Moen had made a Massive Open Online Course: Occupational Health in Developing Countries. This has been run 12 times and had more than 21 000 students.

-Moen has held a large number (> 280) of speeches on the topic of occupational health in different courses and meetings involving general public audience, and different interdisciplinary groups in her scientific career.

-Moen was awarded the title 'Experienced Educator at UiB' in 2021.

Organisation of scientific meetings/commissions of trust

-Moen has been Head of five national conferences in Occupational Health, Head of the organization of Epidemiology in Occupational Health Conference in 2002 in Bergen, member of the scientific committees organizing annual Globvac conferences 2010-2017, Head of the organization of the European Congress on Tropical Medicine and Hygiene 2021 (ECTMIH-2021).

-Moen has been in evaluation committees for several institutions working with occupational health and related topics, opponent 16 times at Scandinavian Universities, and been a member of many national governmental committees and boards related to scientific activities, including the Research Council of Norway (RCN).

- Leader of an Erasmus + project on Development of online courses in Global Health (2017-2019).

-Moen has been the leader of several large scientific project groups the past years, with funding from RCN as well as several large projects funded by the industry. At present, she runs a NORHED project (21 mill NOK 2015-dd; a cooperation between MUHAS, Tanzania, Addis Ababa University, Ethiopia and University of Bergen, Norway).

Mobility

Moen has stayed for longer periods in Tanzania, Muhimbili University of Health and Allied Sciences (sabbatical 1997/98 and 2007), and at the University of Alicante, Spain (ERASMUS staff exchange 2-4 weeks annually 2000-2015). She has visited Tanzania 1-3 times annually since 1994, and Ethiopia annually since 2013, working to develop occupational health in these countries.

Fellowships and awards

1985-1987 NTNF scholarship, located at University of Bergen.

1990 Posterprice, Occupational Health Conference in Norway.

1991 Posterprice, Conference for primary health care (Riksstämnan) Stockholm.

2017 Price for Internationalization in Education at Faculty of Medicine, University of Bergen.

2017 Ugleprisen, University of Bergen (Prize for best education at the university that year).

2021 Awarded as an Excellent Teaching Practitioner at University of Bergen.

PUBLICATIONS

i) List of some previous publications of special relevance for overview in occupational health

-Moen BE, Deressa W, Mamuya SHD. The Challenge of Capacity-building within Occupational Health in Developing Countries. Experiences from three NORHED Partners: Tanzania, Ethiopia and Norway In Halvorsen T. Sharing Knowledge, Transforming Societies. The Norhed Programme 2013-2020. African Minds 2019: Nov 19.

- Moen BE, Hanao RO, Lie A, Larsen Ø. Duties performed by occupational physicians in Norway. *Occup Med* 2015 Mar;65(2):139-42.
- Moen, Bente Elisabeth. Training occupational Health personnel in developing countries. *Barents Newsletter on Occupational Health and Safety* 2015; Volum 18.(2) s. 40-41
- Yrkessykdommer Yrkessykdomsutvalgets utredning av hvilke sykdommer som bør kunne godkjennes som yrkessykdom NOU 2008:11 (author in national committee).
- Moen BE, Morken T, Bull N. Ti år med epostliste for HMS. *Ramazzini: norsk tidsskrift for arbeids- og miljømedisin* 2008; 15:14-15.

Handbook for occupational health services

- Moen, Bente Elisabeth (Ed.). *Håndbok for bedriftshelsetjenesten Arbeidsmiljøfaktorer som påvirker hele mennesket*. 2. rev. utg. Oslo: Arbeidsmiljøforlaget; 2003. 405 s.
- Moen, Bente Elisabeth (Ed.). *Håndbok for bedriftshelsetjenesten Kjemiske helsefaktorer*. 2. rev. utgave. Oslo: Arbeidsmiljøforlaget; 2003. 774 s.
- Moen, Bente Elisabeth (Ed.). *Håndbok for bedriftshelsetjenesten Fysiske og biologiske arbeidsmiljøfaktorer, samt arbeidsulykker*. Oslo: Arbeidsmiljøforlaget; 2003. 442 s.
(1. edition of these books were printed in 1992.)

Doctoral thesis

- Moen BE. *Mortality of Seamen on Norwegian tankers, with special reference to the Nervous System*, University of Bergen, 1991. Supplement for *Norsk tidsskrift for arbeidsmedisin*, 1991:1.

ii) List of publications the past 3 years (2020-2022)

- Blytt, Kjersti Marie; Bjorvatn, Bjørn; **Moen, Bente Elisabeth**; Pallesen, Ståle; Harris, Anette Kristoffersen; Waage, Siri. The association between shift work disorder and turnover intention among nurses. *BMC Nursing* 2022; Volum 21. (1)
- Forthun, Ingeborg; Waage, Siri; Pallesen, Ståle; **Moen, Bente Elisabeth**; Bjorvatn, Bjørn. A shift to something better? A longitudinal study of work schedule and prescribed sleep medication use in nurses. *Occupational and Environmental Medicine* 2022; Volum 79. (11) s.752-757
- Bråtveit, Magne; Abaya, Samson Wakuma; Sakwari, Gloria; Moen, Bente Elisabeth. Dust Exposure and Respiratory Health Among Workers in Primary Coffee Processing Factories in Tanzania and Ethiopia. *Frontiers In Public Health* 2021; Volum 9
- Tefera Zele, Yifokire; Kumie, Abera; Deressa, Wakgari; Bråtveit, Magne; Moen, Bente Elisabeth. Registered health problems and demographic profile of integrated textile factory workers in Ethiopia: a cross-sectional study. *BMC Public Health* 2021; Volum 21.
- Nyarubeli, Israel Paul; Bråtveit, Magne; Tungu, Alexander M.; Mamuya, Simon H.D.; Moen, Bente Elisabeth. Temporary Threshold Shifts among Iron and Steel Factory Workers in Tanzania: A Pre-Interventional Study. *Annals of Global Health* 2021; Volum 87.(1)
- Bråtveit, Magne; Abaya, Samson Wakuma; Sakwari, Gloria; Moen, Bente Elisabeth. Dust Exposure and Respiratory Health Among Workers in Primary Coffee Processing Factories in Tanzania and Ethiopia. *Frontiers In Public Health* 2021; Volum 9.
- Forthun, Ingeborg; Waage, Siri; Pallesen, Ståle; Moen, Bente Elisabeth; Bjorvatn, Bjørn. Sleep medication and melatonin use among Norwegian nurses – A cross-sectional study. *Nursing Open* 2021 p. 1-12.
- Meki, Chisala D.; Bråtveit, Magne; Michelo, Charles; Moen, Bente Elisabeth. Poor provision of sanitary facilities in markets of Lusaka district Zambia. *Annals of Global Health* 2021.
- Teklemariam, Tsegazeab Laeke; Aklilu, Abenezzer Tirsit; Kassahun, Azarias; Sahlu, Abat; Debebe, Tequam; Yesehak, Betelehem; Masresha, Samuel; Deyassa, Negussie; Moen, Bente Elisabeth; Lund-Johansen, Morten; Sundstrøm, Terje. Prospective Study of Surgery for Traumatic Brain Injury in Addis Ababa, Ethiopia: Trauma Causes, Injury Types, and Clinical Presentation. *World Neurosurgery* 2021; Volum 149.

-Teklemariam, Tsegazeab Laeke; Aklilu, Abenezer Tirsit; Kassahun, Azarias; Sahlu, Abat; Yesehak, Betelehem; Getahun, Samuel; Zenebe, Eyob; Deyassa, Negussie; Moen, Bente Elisabeth; Lund-Johansen, Morten; Sundstrøm, Terje. Prospective Study of Surgery for Traumatic Brain Injury in Addis Ababa, Ethiopia: Surgical Procedures, Complications, and Postoperative Outcomes. *World Neurosurgery* 2021; Volum 150.pp e316-e323

-Varela, Carlos Gomes; Viste, Asgaut; Young, Sven; Groen, Reinou S.; Ngoie, Leonard Banza; Nandi, Bip; Mkandawire, Nyengo; Moen, Bente Elisabeth. Paediatric surgical conditions in malawi-a cross-sectional nationwide household survey. *Malawi Medical Journal* 2021; Volum 33.(2) pp 73-81.

-Waage, Siri; Pallesen, Ståle; Moen, Bente Elisabeth; Vedaa, Øystein; Thun, Eirunn; Buchvold, Hogne Vikanes; Blytt, Kjersti Marie; Harris, Anette Kristoffersen; Bjorvatn, Bjørn. Changes in work schedule affect the prevalence of shift work disorder among Norwegian nurses—a two-year follow-up study. *Chronobiology International* 2021; Volum 38.(6) s. 924-932.

-Tefera Zele, Yifokire; Kumie, Abera; Deressa, Wakgari; Bråtveit, Magne; Moen, Bente Elisabeth. Registered health problems and demographic profile of integrated textile factory workers in Ethiopia: a cross-sectional study. *BMC Public Health* 2021; Volum 21.

- Nyarubeli IP, Bråtveit M, Tungu AM, Mamuya SH, Moen BE. Temporary Threshold Shifts among Iron and Steel Factory Workers in Tanzania: A Pre-Interventional Study. *Ann Glob Health*. 2021 Apr 6;87(1):35.

-Laeke T, Tirsit A, Kassahun A, Sahlu A, Yesehak B, Getahun S, Zenebe E, Deyassa N, Moen BE, Lund-Johansen M, Sundstrøm T Prospective Study of Surgery for Traumatic Brain Injury in Addis Ababa, Ethiopia: Surgical Procedures, Complications, and Postoperative Outcomes. *World Neurosurg*. 2021 Mar 8: S1878-8750

-Shentema, Meaza Gezu; Kumie, Abera; Bråtveit, Magne; Deressa, Wakgari; Ngowi, Aiwerasia Vera; Moen, Bente Elisabeth. Pesticide use and serum acetylcholinesterase levels among flower farm workers in Ethiopia—a cross-sectional study. *International Journal of Environmental Research and Public Health (IJERPH)* 2020; Volum 17 (964).

-Zhao, Guanlan; Ronda, Elena; Barrio, Gregorio; Moen, Bente Elisabeth; Regidor, Enrique. Suicide in Spanish Farmers in Two Geographical Areas with Differing Rates of Pesticide Use. *Journal of Agromedicine* 2020; 1-6.

- Zele, Yifokire Tefera; Kumie, Abera; Deressa, Wakgari; Moen, Bente Elisabeth; Bråtveit, Magne. Reduced Cross-Shift Lung Function and Respiratory Symptoms among Integrated Textile Factory Workers in Ethiopia. *International Journal of Environmental Research and Public Health* 2020; Vol 17 (8) 2741.

-Zele, Yifokire Tefera; Schlünssen, Vivi; Kumie, Abera; Deressa, Wakgari; Moen, Bente Elisabeth; Bråtveit, Magne. Personal inhalable dust and endotoxin exposure among workers in an integrated textile factory. *Archives of Environmental & Occupational Health* 2020; Volum 75 (7) s.415- 421.

-Moen BE, Nyarubeli IP, Tungu AM, Ngowi V, Kumie A, Deressa W, Mamuya SHD. The Challenge of Obtaining a Decent Work Environment in Sub-Saharan Africa. In Ramutsindela M, Mickler D. *Africa and the Sustainable Development Goals*. Springer, WUN, 2020:155-164.

-Meaza GS, Bråtveit M, Deressa W, Kumie A, Ngowi AV, Moen BE. Pesticide use and the level of serum cholinesterase among flower farm workers in Ethiopia, a cross sectional study. *Int J Environ Res Public Health* 2020; 4:964.