

Curriculum vitae

Name Stine Lund
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Nationality Danish

Key competences

Neonatal and infectious pediatric diseases specialist
Development and research in educational mobile applications
Health system research and capacity building in low- and middle-income countries

Education degrees

2020-2023 Postgraduate Diploma in Pediatric Infectious Diseases, University of Oxford
2013 Doctor of Philosophy (PhD) fellow, University of Copenhagen
2004 Medical Doctor, University of Copenhagen

Positions

2019-2022 Staff specialist, Department of Neonatology, Rigshospitalet, Copenhagen
2019-dd Clinical Associate Professor, Department of Pediatrics, Hvidovre Hospital
2019 Staff specialist, Department of Neonatology, Hvidovre Hospital and Rigshospitalet
2015-2019 Pediatrician, Department of Pediatrics, Rigshospitalet, University Hospital of Copenhagen and Hilleroed Hospital, Denmark
2013-2015 Part time post-doctoral fellow, University of Copenhagen
2013-2014 Fellowship position, Department of Pediatrics, Hvidovre Hospital
2009-2013 Doctor of Philosophy (PhD) fellow, University of Copenhagen
2009-2010 MD, Pediatric clinic, Rigshospitalet, University Hospital of Copenhagen
2008 Consultant on 5 year strategic plan for maternal and neonatal hospital, Comprehensive Community Based Rehabilitation in Tanzania (CCBRT)
2007-2010 Consultant on reproductive and child health with a focus on reduction of mortality, Danida Health Sector Programme Support, Zanzibar, Tanzania
2006-2007 Junior Professional Officer at Danida Health Sector Programme Support and Health Sector Reform Secretariat, Ministry of Health and Social Welfare, Zanzibar, Tanzania
2005-2006 Introductory fellowship position in infectious diseases, Hvidovre Hospital, Denmark
2005 Consultant mapping of civil society in Sissala East District, Ghana
2004 Consultant project extension of a primary health care project in Upper West Region, Ghana
2004-2005 Postgraduate medical internship at Bispebjerg Hospital, Denmark
2001-2002 Project coordinator of a primary health care project in Upper West Region, Ghana

Courses

Completion of numerous courses including Flagship Course on Health Sector Reform and Sustainable Financing, The World Bank Institute and The Harvard School of Public Health and International Health and Hygiene, University of Copenhagen. Currently undertaken Postgraduate Diploma in Pediatric Infectious Diseases, University of Oxford.

Research projects, Principal Investigator

2022	Postnatally acquired cytomegalovirus (pCMV CHILD) in premature neonates. Rigshospitalet.
2021-2023	Virtual Reality in pediatric simulation training of nurses and doctors in Denmark. Rigshospitalet.
2014-2016	Post-doc including two cluster RCTs in Ethiopia and Ghana on the effect of the Safe Delivery App on health workers knowledge and skills and neonatal survival. Rigshospitalet.
2009-2013	Ph.d Wired Mothers – use of mobile phones to improve maternal and perinatal health in Zanzibar. Cluster randomized trial in primary health facilities in Zanzibar. University of Copenhagen.

Quality Assurance Projects

2021	Targeted screening for cytomegalovirus in capital region, Denmark
2019	Immunization of the immunocompromised child, Rigshospitalet, Denmark.
2007-2010	In collaboration with Ministry of Health responsible for implementation of Maternal and Perinatal Death Reviews on all secondary and tertiary health facilities in Zanzibar, Tanzania.
2006	In collaboration with Ministry of Health responsible for implementation of Quality Improvement and Recognition Initiative (QIRI) at primary health care facilities in Zanzibar, Tanzania.

Health Innovation Projects

2019	Børnelægens Bedste Børnetips. Empowerment of parents to manage their sick children through app and web-based videos.
2014-dd	Safe Delivery App, Maternity Foundation and University of Copenhagen. The app empowers skilled birth attendants in low and middle-income countries to manage obstetric and neonatal emergencies through animated instruction videos and easy access to up-to-date guidelines. It is translated to 10 languages and used in more than 40 countries.
2013-2016	Wired Mothers App, Zanzibar Ministry of Health and University of Copenhagen. The app registers pregnant women and sends text messages with health education throughout pregnancy and the post-partum period.

Academic supervision

2021-dd	Research scholarship: Mathilde Languille Lassen “Quality of neonatal care within the first two hours of life in a district hospital in Pemba; a prospective cohort study
2021-2022	Research scholarship: Lærke Vinge Larsen “The right antibiotic for the right neonate? A prospective observational cohort study at a district hospital in Pemba, Tanzania” Pemba Public Health Laboratory and Rigshospitalet.
2021-23	Research scholarship: Christine Manich Bech Baggesgaard “Vaccination timeliness of preterm infants hospitalised in a neonatal intensive care unit in Denmark” Department of Neonatology, Rigshospitalet
2020-dd	Research scholarship: Christine Manich Bech “Use of antibiotics for newborns meeting the WHO criteria for prophylactic antibiotic treatment in a rural hospital in Tanzania” Pemba Public Health Laboratory and Rigshospitalet
2020-dd	Research scholarship: Christina Christoffersen “Essential Newborn Care of healthy newborns at a rural hospital on Pemba island Tanzania; a descriptive study” Pemba Public Health Laboratory and Rigshospitalet
2020-dd	PhD study: Liv Borch-Johnsen “Video and simple text to empower parents to handle their sick children” Hvidovre Hospital

2017-dd	PhD study: Charlotte Holm-Hansen "NEO - Newborn Emergency Outcome in Pemba, Zanzibar" Pemba Public Health Laboratory and Rigshospitalet
2018	Cand med thesis: Mathilde Noergaard and Cecilie Stagstrup "Safety and efficacy of bCPAP in children in all age-groups presenting with respiratory distress from any cause" University of Copenhagen
2017	Cand med thesis: Clara Paradella "User patterns of the Safe Delivery App in Ethiopia" University of Copenhagen
2013-2017	PhD study: Christina Marie Brauner; "Investigation of a smartphone application on emergency obstetric care in Ghana" Aarhus University, University of Ghana and University of Copenhagen
2012	Cand Public thesis: Iben Sander Christensen and Johanne Højberg Møller; "You know, to give birth is just a lucky gamble – an analysis of communicative aspects and perceived impact of the mHealth project wired mothers in Zanzibar"
2010	Ms Int Health: Azzah Said. "Health facility based deliveries among wired and non wired mothers in north A and West districts in Zanzibar."

Teaching and organizational experience

Lecturer in global pediatric health, health systems in low and middle-income countries and mobile innovations in health and at pre- and postgraduate courses, University of Copenhagen. Part of organizing committee of several conferences and courses including an annual course in Infectious Pediatric Diseases.

National Strategies and Reports (selected)

2014	Tellier S and Lund S (ed.) Sexual and reproductive health and rights: In defence of life. A background document (3 rd edition. ENRECA HEALTH Working Group on Sexual and Reproductive Health, June 2013, Copenhagen
2006-2011	Zanzibar Health Sector Reform Strategic Plan II 2006/07 – 2010/11 Essential Health Care Package, Ministry of Health Zanzibar Zanzibar Health Bulletin 2006, 2007, 2008, 2009, 2010 Sector Performance Report 2007-2008, Ministry of Health, Zanzibar

Publications (selected)

2022	Christine Manich Bech, Christina Nadia Stensgaard, Stine Lund , Charlotte Holm Hansen, Jesper Sune Brok, Ulrikka Nygaard, Anja Poulsen. Risk factors for neonatal sepsis in Sub-Saharan Africa: a systematic review with meta-analysis. <i>BMJ Open</i> 2022;0:e054491. doi:10.1136/bmjopen-2021-054491
2022	Christina Nadia Stensgaard, Christine Manich Bech, Charlotte Holm- Hansen, Tine Bruhn Skytte, Said Mohammed Ali, Ulfat Amour Mohd, Jesper Kjærgaard, Gorm Greisen, Anja Poulsen & Stine Lund . Essential newborn care practices for healthy newborns at a district hospital in Pemba, Tanzania: a cross-sectional observational study utilizing video recordings. <i>Global Health Action</i> , 15:1, 2067398, DOI: 10.1080/16549716.2022.2067398
2022	Charlotte Carina Holm-Hansen, Anja Poulsen, Tine Bruhn Skytte, Christina Stensgaard, Christine Manich Bech, Mads Nathaniel Lopes, Mads Kristiansen, Jesper Kjærgaard, Said Mzee, Said Mouhammed Ali, Shaali Ame, Jette Led Sorensen, Gorm Greisen, Stine Lund . Video recording as an objective assessment tool of health worker performance in neonatal resuscitation at a district hospital in Pemba, Tanzania: a feasibility study. <i>BMJ Open</i> 2022;12:e060642. doi:10.1136/bmjopen-2021-060642
2022	Stine Lund , Tine Brink Henriksen, Anja Poulsen, Kia Hee Schultz Dungu, Emma Louise Malchau Carlsen, Bo Mølholm Hansen, Lise Aunsholt, Ulrikka Nygaard Herpes simplex-virusinfektion hos nyfødte. <i>Ugeskr Læger</i> 2022;184:V11210869

- 2021 Christine Manich Bech, **Stine Lund**, Jonas Ingemann Baggesgaard, Christina Nadia Christoffersen, Jesper Kjærgaard, Anja Poulsen. Bidsår fra hunde, katte og mennesker. Ugeskr Læger 2021;183:V11200832
- 2021 Christine Manich Bech, Joakim Bloch, Jesper Kjærgaard, **Stine Lund**, Freddy Karup Pedersen & Anja Poulsen. Indirekte effekter af COVID-19 på dødeligheden blandt mødre og børn i lav- og mellemindkomstlande. Ugeskr Læger 2021;183:V12200903
- 2020 Jesper Kjærgaard, PhD; Thomas Nørrelykke Nissen, PhD; Elvira Isaeva; Nguyen Nhat Quynh; Susanne Reventlow, PhD; **Stine Lund**, PhD; Talant Sooronbaev, PhD; Pham Le An, PhD; Marianne Stubbe Østergaard, PhD; James Stout, PhD; Anja Poulsen, PhD. No time for change? Impact of contextual factors on the effect of training primary care healthcare workers in Kyrgyzstan and Vietnam on how to manage asthma in children. A FRESH AIR implementation study. BMC Health Services Research (2020) 20:1137 <https://doi.org/10.1186/s12913-020-05984-y>
- 2020 Parellarda C, Boas I M, Nielsen H S, Sørensen B L, Lund S. User Patterns of The Safe Delivery App in Ethiopia. JHIDC. 2020 Vol. 12 No. 1
- 2019 Cecilie og Mati Stagstrup C, Nørgaard M, **Lund S**, Poulsen A (Cecilie Stagstrup and Mathilde Nørgaard contributed equally to this work). "To bubble or not? Review of bubble continuous positive airway pressure in children in low- and middle-income countries" J Trop Pediatr. 2019 Oct 10.
- 2019 Klokken C M B, Enemark U, Adanu R, **Lund S**, Sørensen B L, Attermann J. The effect of smartphone training of Ghanaian midwives by the Safe Delivery application on the incidence of postpartum hemorrhage: A cluster randomized controlled trial. Cogent Medicine 6(1). July 2019.
- 2019 Thomsen CF, Barrie AMF, Boas IM, **Lund S**, Sørensen BL, Oljira FG, et al. Health workers' experiences with the Safe Delivery App in West Wollega Zone, Ethiopia: a qualitative study. Reproductive Health. 2019;16(1):50.
- 2018 **Lund S**. Mobile phone innovations for maternal and neonatal health in low- and middle-income countries: the role of mHealth. BJOG. 2018 Nov;125(12):1630.
- 2016 **Lund S**, Boas I M, Bedesa T, Fedeke W, Nielsen H S, Sørensen B L. Effects of the Safe Delivery App on quality of care and perinatal survival in Ethiopia: A cluster-randomized controlled trial. JAMA Pediatr, 2016. 170(8): p. 765-71.
- 2014 **Lund S**, Rasch V, Hemed M, Boas I M, Said A, Said K, Makundu M H, Nielsen B B. Mobile Phone Intervention Reduces Perinatal Mortality in Zanzibar: Secondary Outcomes of a Cluster Randomised Controlled Trial. JMIR Mhealth and Uhealth 2014; 2(1): e15.
- 2014 **Lund S**, Nielsen B B, Hemed M, Boas I M, Said A, Said K, Makungu M H, Rasch V. Mobile phones Mobile phones improve antenatal care attendance and quality of care in Zanzibar: A cluster randomised controlled trial. BMC Pregnancy and Childbirth 2014;14:29.
- 2012 **Lund S**, Hemed M, Nielsen B B, Said A, Said K, Makungu M H, Rasch V. Mobile phones as a health communication tool to improve skilled attendance at delivery in Zanzibar: a cluster-randomised controlled trial. BJOG 2012, 119(10): 1256-1264.
- 2010 **Lund S.**, Bilsted H., Bygbjerg I.C. Kan primær sundhedsstrategien genoplives 30 år efter Alma-Ata? Ugeskr læger. 2010; 172(49):3414-7.
- 2010 **Lund S.** "Jordemoderen på Zanzibar er nu kun et mobilkald væk" Ugeskr læger 2010;172(21):1580
- 2009 **Lund, S.** Mobile Phones Can Save Lives, Profile Global Health 2009; 18-19.
- 2006 **Lund S.** Fra Hvidovre til Zanzibar. Ugeskr læger 2006;168(18)1782.

Currently 4 publications in review

Presentations/Posters

Presentations and posters at various conferences including European Conference of Infectious Pediatric Disease, European Conference on Tropical Medicine and International Health, World Health Assembly and mHealth Summit.

Grants

2020-2021	Targeted screening for cytomegalovirus in Denmark, Regionh and private funds (DKK 300.000)
2019	Immunization of the immunocompromised child at Rigshospitalet. GSK (DKK 250.000)
2018-2020	NEO – Newborn Emergency Outcome. Rigshospitalet and laerdal foundation (PhD for Charlotte Holm Hansen) (DKK 2.130.000)
2016-2020	The Safe Delivery App - dissemination. Gates Foundation (DKK 10.000.000)
2013-2015	Wired Mothers – from research to national scale. UN Foundation (DKK 1.150.000)
2012-2014	mHealth for Maternal and Neonatal Health in Ethiopia. Merck for Mothers (DKK 2.805.700).
2009-2013	Wired Mothers – use of mobile phones to improve maternal and neonatal health in Zanzibar. Danida Forsknings Fagligt Udvalg (DKK 2.493.241).