

# CENTRE FOR INTERNATIONAL HEALTH

## ANNUAL REPORT 2021



# FROM THE CENTRE DIRECTOR

Amazingly high activity has been observed at the Centre for International Health (CIH) in 2021, even though we have been in home offices most of the year due to the corona pandemic. We have been working online and we are very enthusiastic about our research co-operation with colleagues in low- and middle-income countries (LMIC). The zoom links have been used, and great and important research is growing.

Luckily, we were allowed to meet at the start of the year. After long and intense discussions, we finally agreed to a new strategy text for CIH – focusing clearly on the partnership with institutions in LMIC in our mission, and with a more including text regarding scientific topics.

Research papers are published in large numbers, our many and clever PhD candidates are educated. In addition, we were blessed with 41 new master students this year. This was a challenge for us, having 25 as the maximum student number. Supervisors had to be sought for, and we really need researchers outside CIH these days. We are enormously grateful for the help we have got.



**Esther Jurgens, Karel Gyselinck, Bente E. Moen and Thorkild Tylleskär were central for organizing ECTMIH-2021.** Photo: E. Senneset

Also, this year we were hosting ECTMIH-2021! Digital for the first time and the first time in Norway. A huge effort was needed from our administration and scientific personnel and again: Great help came also from scientists outside CIH. Thank you all, it was a fantastic event!

My conclusion is: CIH is a fantastic place to work. Welcome to CIH!

Bergen, May 2022  
Bente E. Moen

# CONTENTS

STRATEGY 2021-2025	4
COUNTRY PRESENTATIONS	6
NETWORKING	16
PEOPLE	20
RESEARCH	26
RESEARCH SCHOOL	30
EDUCATION	40
PUBLICATIONS	46



# STRATEGY 2021-2025

---

Established in 1988, Centre for international health (CIH) at the University of Bergen (UiB) is an interfaculty centre for research and training within the field of global health.

# VISION

To provide excellent global health research and training contributing to improved health and equitable societies.

# MISSION

CIH works in partnerships with research institutions in low- and middle-income countries (LMICs), and aims to:

- Coordinate and conduct high quality, relevant and innovative global health research
- Teach, supervise, and facilitate learning in global health
- Disseminate research and engage in policy discussions on pertinent global health issues

## GLOBAL HEALTH

In accordance with Sustainable Development Goal 3 (SDG3), the CIH defines global health as an area of research, education and practice aimed at improving health and achieving health equity for all people, with a particular focus on public health problems in LMICs. The field of global health promotes interdisciplinary collaboration and involves disciplines both within and beyond the health sciences. For CIH, mutual post-graduate capacity strengthening and genuine partnerships with implementing institutions are integrated and essential features of global health, in compliance with SDG4 and SDG17.

## PARTNERSHIP

CIH aims to strengthen capacity in global health through research and training in partnership with academic institutions and other research entities in LMICs. An important prerequisite for establishing mutual and sustainable research partnerships is that projects are conceived, developed and implemented as a genuine collaborative effort.

## SCIENTIFIC PRIORITIES

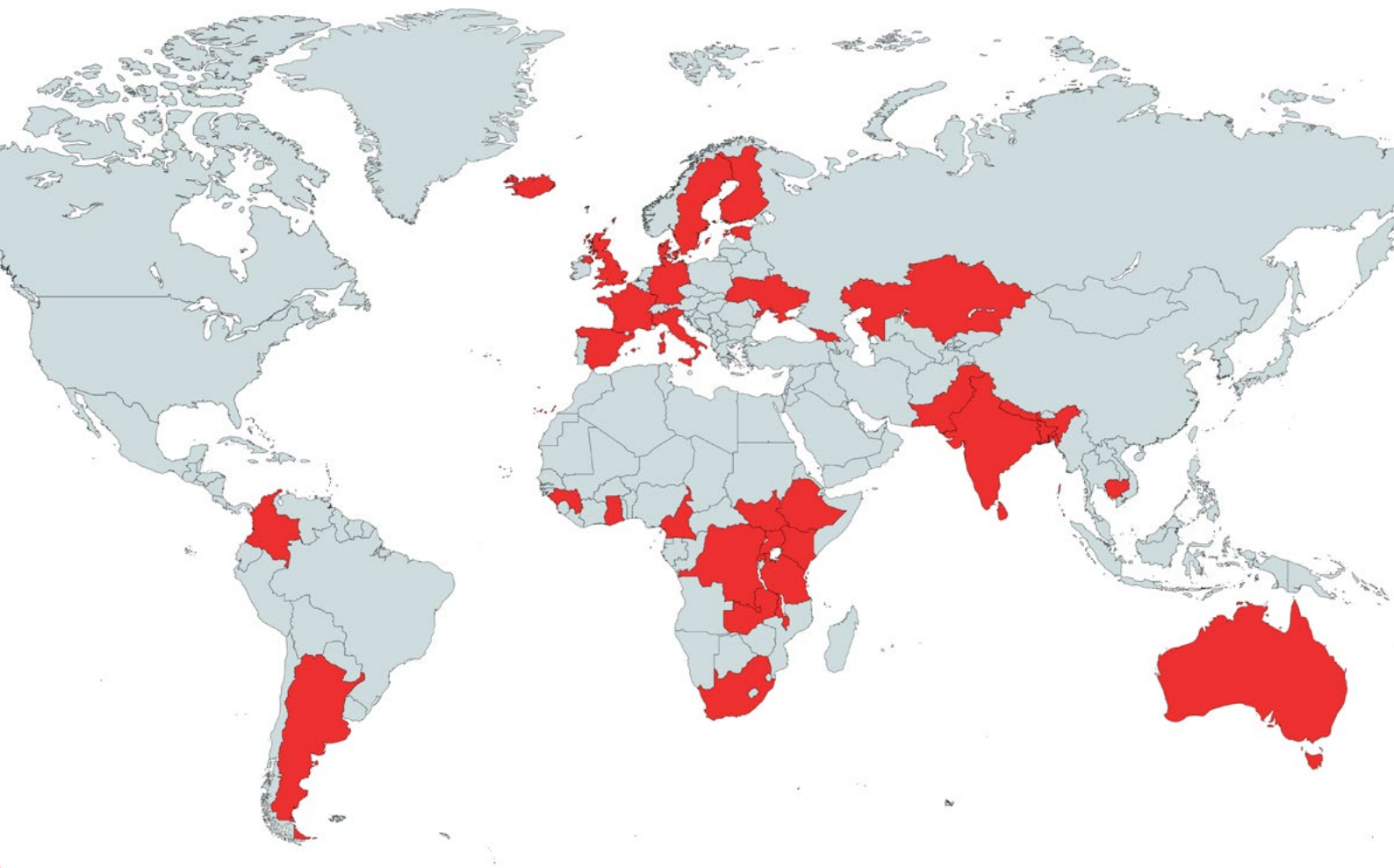
CIH commits to the SDG agenda with particular emphasis on health in LMIC. The main priorities are to work on the 'unfinished agenda'; the leading social, environmental and political determinants of the burden of disease in LMIC, including maternal, adolescent and child health, infectious diseases, and nutrition/growth. Priority will also be given to non-communicable diseases and injuries, in particular chronic respiratory diseases and mental health, as well as to research on health policy, health systems and health consequences of migration, climate changes and inequality. CIH will prioritize research on implementation and interventions that cost-effectively and equitably can improve health.

# COUNTRY PRESENTATIONS

---

We present a few projects here, to illustrate what we work on. The examples are randomly selected, next year we might present others. We suggest you look at our webpages for more information about each project:

**[www.uib.no/en/cih/71609/research-projects-cih](http://www.uib.no/en/cih/71609/research-projects-cih)**



## PARTNER COUNTRIES

Centre for International Health has many partner institutions, in many countries. We work with capacity building of different kinds, in research as well as education. Here you see an overview of partner countries. We have marked out countries where we have written contracts for cooperation with an institution, either on research, education or both.

### Centre for International Health has projects in these countries, colored red on the map

Argentina	Denmark	Germany	Italy	Palestine	South-Africa
Australia	Democratic Republic of Congo	Georgia	Kazakhstan	Rwanda	Tanzania
Bangladesh	Estonia	Ghana	Kenya	South-Sudan	Uganda
Cambodia	Ethiopia	Guinea	Malawi	Spain	Ukraine
Cameroon	Finland	Iceland	Nepal	Sri Lanka	UK
Colombia	Frankrike	India	Pakistan	Sweden	Zambia

## ETHIOPIA – A LONG-TERM PARTNER COUNTRY FOR CIH

Ever since the Armauer Hansen Research Institute (AHRI) was founded in 1969, there has been a close connection between the institute and the University of Bergen (UiB). UiB has developed several other partners in Ethiopia, and CIH has cooperated with partner institutions in Ethiopia since the start of CIH in 1988. Ethiopia is a country we give priority to, and we are grateful for the good cooperation we have with researchers there. CIH has many projects in Ethiopia, and below you can read about two of these.

### **Educating and training professional staff and future leaders in Southern Ethiopia- SENUPH-II**

This project will expand previously started capacity-building activity at Hawassa University and in addition include Arba Minch and Dilla Universities in Southern Ethiopia. The project will focus on enhanced training of health research personnel, including leadership and management, and engage in research to assess and reduce the burden of disease. The project will incorporate evidence-based priority-setting research to ensure that the results enhance public health and ensure equity. The project will develop PhD and post doc research, and also train students at the master's level. The focus will be to strengthen the ownership, capability, and sustainability of the training programme at the universities working with the Ministry of Health to establish evidence-based healthcare.

*Project leader: Bernt Lindtjorn*

### **Neurosurgery in Ethiopia**

This project is a cooperation between Black Lion Hospital in Ethiopia, Addis Ababa University in Ethiopia, Haukeland University Hospital and Department of Clinical Medicine and CIH at the University of Bergen. This is a great example of cooperation including practice as well as scientific work in capacity building.

The goal is to establish an education program in neurosurgery and a sustainable neurosurgical offer to patients in Ethiopia, through education of specialists and training of nurses in anesthesia, intensive care and surgery. In addition, PhD candidates are included in the project.

*Project leader: Morten Lund-Johansen in cooperation with Jon Wigum Dahl., AIS*



Researchers from Dilla University: Hiwot Hailu (post doc), Solomon Hailemariam (postdoc), Fikru Bedecha (PhD candidate), Melkam Andargie (PhD candidate), Tesfaye Temesgen (PhD candidate), Moges Tadesse (post doc). (Photo: B.Lindtjorn)





Capacity building in neurosurgery is important for Ethiopia. (Photo: M. Lund-Johansen)

## UGANDA

Makerere University is Uganda's largest and one of East Africa's oldest and leading universities. The collaboration between Makerere University and the University of Bergen dates to 1988. CIH has been a part of this collaboration since the start of CIH and has later developed a cooperation with several other institutions in the country as well. We give two examples of projects in Uganda.



Thorikild Tylleskär presents his thanks for the publication award. (Photo: B.E. Moen)

### Award

Professor Thorkild Tylleskär and his PhD candidates Nicolas J. Pejovic and Susanna Myrnernts Höök received the award 'Publication of the year' in 2021, based on this article from studies in Uganda: A Randomized Trial of Laryngeal Mask Airway in Neonatal Resuscitation", published in New England Journal of Medicine. This was a large, randomized phase III clinical trial that compared using a supraglottic device versus standard face-mask ventilation in the resuscitation of newborn infants in a large referral hospital in

Kampala, Uganda. Over 1100 newborns were included. Neonates who had breathing difficulties (needed positive pressure ventilation) at birth were divided into two groups. One received the standard face-mask ventilation, the other, ventilation using a laryngeal mask airway (LMA). The results showed that LMA could safely be used by midwives but there was no difference in the survival rates between the two treatment groups – both treatments were equally effective.



Poster presentation of the project Treat. Joyce Nalugya, Juliet Babirye and Ingunn Engebretsen.

## **TREAT Child Alcohol Use Disorder (C-AUD) in Eastern Uganda: Screening, diagnostics, risk factors and handling of children drinking alcohol**

This project started in 2019 and the objective is to investigate the magnitude of C-AUD and substance use in children, and related household, community, school, health system and clinical factors associated with the disorder, and suggest scalable changes in the health system for screening, diagnostic and treatment procedures in Uganda.

The project is a cooperation between CIH and Makerere University, Institute of Psychiatry at NTNU, as well as with Department of Clinical Medicine at UiB.

*Project leader CIH: Ingunn Engebretsen*

## NEPAL



Children from Nepal are tested to see how they grow and develop. (Photo: T. Strand)

### **The effect of vitamin B12 supplementation on growth and neurodevelopment in Nepali children after one and two years – extended follow up**

This study is a follow-up of an ongoing randomized placebo-controlled trial. In total, 600 Nepalese children were enrolled at age 6-11 months, and half of them received 2 $\mu$ g of vitamin B12 supplementation daily for 1 year. The trial aims to assess improvements in neurodevelopment and growth after one and two years after the end of supplementation. It will provide information expanding on that being provided by the CISMAC study on vitamin B12 supplementation during pregnancy. These studies combined will be the most comprehensive study on the effects of vitamin

B12 supplementation throughout the most vulnerable period of life. The results can be used to guide national and international nutrition recommendations. Partner institution is Tribhuvan University in Nepal. This is a CISMAC study.

*Project leader: Tor Strand*

## CISMAC



### A centre in our centre

Established in 2013, the Centre of Excellence, “the Centre for Intervention Science in Maternal and Child Health (CISMAC)”, conducts research to improve maternal, newborn and child health (MNCH) in low and middle-income countries. CISMAC is a collaborative research consortium with partner institutions in Norway, Ethiopia, India, Nepal, Pakistan, South Africa, Uganda and Zambia, and works closely with the World Health Organization (WHO). The Centre develops and tests promising interventions and helps translate their research findings into policy and practice.

CISMAC has undertaken more than 20 studies spanning a variety of priority MNCH topics in Asia and Sub-Saharan Africa. Several of these studies are generating important spin-off projects, which are providing valuable opportunities

for young CISMAC researchers to develop their knowledge and skills, enabling them to become health intervention and implementation scientists.

All CISMAC’s studies address important knowledge gaps and are providing high quality scientific information on which policy makers can use for evidence-based decisions

*For more information, please see the CISMAC website: [www.uib.no/en/cismac](http://www.uib.no/en/cismac)*



Research partners from CIH and Nepal. (Photo T. Strand)

## NEW AREAS FOR CIH

CIH has been very much focused on partnerships in East Africa and Western Asian countries. New people at CIH has led to a development of geographical areas and we present two such projects here – one in Latin America and one in East Asia.

### **Strengthening Agency & Learning across Health Systems in the Americas (SALHSA)**

This project is a partnership between the University of Bergen (UiB), the Pontificia Universidad Javeriana (PUJ) in Colombia and the Centre for the Study of State and Society (CEDES) in Argentina. It is part of the NORHED-II programme.

The aim of the project is to professionalize a new generation of leaders in the field of Health Policy & Systems Research (HPSR) that represent the region's Public and Global Health bodies, Universities, and the region's vibrant Civil Society in order to build stronger and more resilient health systems in Latin America.

*Project leader CIH: Ana Lorena Ruano*



A project meeting in SALHSA. From left to right: Olga Shangina (UiB), Daniel Maceira (CEDES), Ana Lorena Ruano (UiB) & Enrique Peñaloza (PUJ).



Countries in the BACE project

## Building Academic Capacity in Global Health in the Eastern Europe-Central Asia Region – BACE

The aim of this project is to enable 3 countries in Eastern Europe - Central Asia; that is: Georgia, Ukraine and Kazakhstan – to build capacity and integrate global health into their academic programmes.

These are the partner universities:

- Ruprecht-Karls-Universitaet Heidelberg, Germany (main coordinator)
- University in Tromsø (UiT)
- University in Bergen (UiB)
- The University of Georgia (UG), Georgia
- Shota Rustaveli State University, Georgia
- Ivane Javakhishvili Tbilisi State University (TSU), Georgia
- Ao Meditsinskiy Universitet Astana (AMU), Kazakhstan
- Al-Farabi Kazakh National University (KazNu), Kazakhstan
- National University of Kyiv-Mohyla Academy (NaUKMA), Ukraine
- Ivan Horbachevsky Ternopil National Medical University of The Ministry of Health of Ukraine (TNMU), Ukraine

*Project leader CIH: B.E. Moen*

# NETWORKING

---



# EUROPEAN CONGRESS ON TROPICAL MEDICINE AND INTERNATIONAL HEALTH 2021

In September 2021, the University of Bergen organized the 12th European Congress on Tropical Medicine and International Health (ECTMIH-2021). The congress was hosted in Norway for the first time. The topic was: Global challenges in health, migration, and equity, and it was a 4-day event.

The congress is a biannual, interdisciplinary event, and is held in agreement with the Federation of European Societies for Tropical Medicine and International Health (FESTMIH). The organization of the event in Bergen included people from Faculty of Medicine (all departments), Social Sciences, Psychology, Law and Art, Music, and Design at UiB, and many people from other Norwegian institutions. Centre for International Health, UiB, was responsible for the event, with great help and support from the UiB strategy area Global Challenges. The congress had 1249 attendees, 443 presentations (poster and oral) and 29 organized sessions. Ninety-four countries participated, among them 31 low-and middle-income countries.

There was a high technical and scientific activity among the organizers, located in Grieghallen in Bergen to make this online event possible.

All photos from ECTMIH-2021 are taken by E. Senneset







# PEOPLE

---

CIH Director would like to thank all staff working at and associated with the Centre for their efforts in 2021. Whether it was virtual teaching, writing applications, supervising, or helping with the administrative support to these activities, the engagement was great!

People have many types of affiliations to CIH. We try to make these lists as correct as possible, but please forgive us if there are any mistakes.

## ADMINISTRATIVE PERSONNEL

CIH is a part of Department of Global Public Health and Primary Health Care (IGS). The two share a joint administration with one overall Head of Administration. Many in the administration work at least some time in both locations (Årstadveien 17 and 21).

Members of the core administration for Centre for International Health are listed below.

### Leadership

<b>Moen, Bente E.</b>	Director/Professor at CIH
<b>Rørtveit, Guri</b>	Head of Department, IGS
<b>Maden, Ingvild Strømsnes</b>	Head of Administration, IGS

### Core administration at Centre for International Health

<b>Bartle, Elinor</b>	Administration
<b>Forshaw, Linda Karin</b>	Academic Affairs, Master
<b>Koldal, Gunhild</b>	Administration
<b>Kolmannskog, Anne Berit</b>	Project administration CIH
<b>Straume, Ane</b>	Project administration CISMACH
<b>Gundersen, Daniel</b>	PhD Coordinator – works at CIH and IGS
<b>Hove, Elisabeth</b>	Project Economist – works at CIH and IGS
<b>Tveit, Terese Togstad</b>	Project Economist from autumn 2021 - works at CIH and IGS
<b>Williams, Olga Shangina</b>	Project Economist – works at CIH and IGS

In addition, Kjell Rune Sæle and Siv Johnsen Eggereide have helped with economic issues, Kirsti Nordstrand with Education and Training issues, and Eli Selback with personnel issues.

## SCIENTIFIC PERSONNEL

The list below shows the scientific personnel who are formally affiliated with the Centre, with a few exceptions (explained in brackets).

### Permanently employed

<b>Blystad, Astrid</b>	Professor (50% CIH, 50% HELSEVIT)
<b>Engbretsen, Ingunn Marie S.</b>	Professor
<b>Hatløy, Anne</b>	Associate Professor (40%)
<b>Hinderaker, Sven Gudmund</b>	Professor (80%)
<b>Moen, Bente Elisabeth</b>	Professor
<b>Moland, Karen Marie</b>	Professor
<b>Mustafa, Tehmina</b>	Professor (50%)
<b>Norheim, Ole Frithjof</b>	Professor (ETØK)
<b>Robberstad, Bjarne</b>	Professor
<b>Ruano, Ana Lorena</b>	Associate Professor
<b>Sandøy, Ingvild Fossgard</b>	Professor
<b>Sommerfelt, Halvor</b>	Professor
<b>Steinsland, Hans</b>	Researcher
<b>Svanes, Cecilie</b>	Professor (50%)
<b>Tylleskär, Thorkild</b>	Professor
<b>Sam, David Lackland</b>	Professor (50% CIH, employed at the Faculty of Psychology)

**Temporarily employed**

<b>Bakken, Kjersti Sletten</b>	Post-Doctoral Fellow
<b>Basnet, Sudha</b>	Post-Doctoral Fellow (50%)
<b>Chandyo, Manjeswori Ulak</b>	PhD Candidate
<b>Choudhary, Tarun Shankar</b>	PhD Candidate
<b>Frøen, Jahn Fredrik</b>	Professor II (20%)
<b>Grønvik, Taran</b>	Researcher
<b>Haaland, Marte Emile Sandvik</b>	PhD Candidate – dissertation 18/6/21
<b>Hegdahl, Hanne Keyser</b>	PhD Candidate
<b>Hoel, Ida Marie</b>	PhD Candidate – dissertation 23/9/2021
<b>Höök, Susanne M.</b>	PhD Candidate – dissertation 12/5/21
<b>Johannessen, Ane</b>	Associate Professor (50% CIH, 50% TVEPS)
<b>Kühl, Melf-Jakob</b>	PhD Candidate
<b>Loha, Eskindir</b>	Post-Doctoral Fellow
<b>Martines, Jose Carlos</b>	Researcher, Scientific Coordinator (80%)
<b>Mudenda, Mweetwa</b>	PhD Candidate
<b>Namakula, Rhoda</b>	PhD Candidate
<b>Namugga, Olive</b>	PhD Candidate
<b>Nankabirwa, Victoria</b>	Post-Doctoral Fellow
<b>Riaz, Syeda Mariam</b>	PhD Candidate
<b>Schwinger, Catherine</b>	Post-Doctoral Fellow
<b>Skylstad, Vilde</b>	PhD Candidate
<b>Strand, Tor A.</b>	Professor (20%)
<b>Svanemyr, Joar</b>	Researcher (50 % 2 months spring 2021)
<b>Venkateswaran, Mahima</b>	Post-Doctoral Fellow
<b>Xu, Shanshan</b>	PhD Candidate

**Professor emeritus**

<b>Fylkesnes, Knut Martin</b>	Professor emeritus
<b>Kvåle, Gunnar</b>	Professor emeritus
<b>Lindtjørn, Bernt</b>	Professor emeritus
<b>Nilsen, Rune</b>	Professor emeritus
<b>Bjørvatn, Bjarne</b>	Professor emeritus

## CIH BOARD

The CIH Board includes the Dean and all the Department leaders at the Faculty of Medicine, University of Bergen. The Board had three meetings in 2021.

### CIH Board Members 2021

Pål Rasmus Njølstad (K2) was the Board Leader, helped by Silke Appel (K2).

Other Board members were: Per Bakke (Dean), Kjell Morten Myhr (K1), Asgeir Bårdsen (IKO), Frode Steingrimsen Berven (IBM) and Guri Rørtveit (IGS).

The Centre Director takes this opportunity to express her thanks to the Board members for the many important and interesting discussions they have shared. These have always been very inspiring and helpful for CIH.



## CIH SCIENTIFIC ADVISORY GROUP

CIH appointed a Scientific Advisory Group in 2019. In 2020, this Group provided feedback to the important work that CIH has been doing to revise its Strategy for the coming years. The group did not meet in 2021.

### External Members

Professor Andrea Winkler, University of Oslo

Director Ottar Mæstad, Chr Michelsens Institutt

Professor Susannah Mayhew, Dep. of Global Health and Development,  
London School of Hygiene and Tropical Medicine

Senior economist Jeremy Addison Lauer, WHO, Geneva, Switzerland / University of Strathclyde, UK

Professor Flemming Konradsen, University of Copenhagen, Denmark

### Attending from University of Bergen

Professor Thorkild Tylleskär, CIH

Professor Bente E. Moen, Dir of CIH

Senior executive officer Anne Berit Kolmannskog, CIH





## ASSOCIATED PEOPLE

This list includes people who have helped CIH with teaching or activities not otherwise mentioned in this annual report.

Kahtan Al-Azawy, HUS	Eivind Meland, IGS
Kjersti Alsaker, HVL	Ottar Mæstad, CMI
Kristin Aunan, CICERO	Kamal Mustafa, IKO
Per Bakke, Dean, MED	Ole Jacob Møllerløyen, IGS
Randi J Bertelsen, K2, UIB	Kristine Mørch, K2
Nita Bhandari, Society for Applied Studies	Elwalid Fadul Nasir, IKO
Nancy Birungi, IKO	Carlos G. Das Neves, VET
Bjørn Blomberg, K2	Øystein Evjen Olsen, SUS
Gunnar Bjune, UiO-emeritus	Hans Overgaard, NMBU
Håkon Bolkan, NTNU	Pål Puntervoll, NORCE
Rebekka Cox Brokstad, K2	Francisco Gomez Real, HUS
Magne Bråtevit, IGS	Lise Rakner, UiB+
Asgeir Bårdsen, IKO	Ole Bjørn Rekdal, HVL
Daniela Costea, K1, UIB	Trond Riise, IGS
Wenche Dageid, Hemil, Psyk	Carmeliza Soares da Costa Rosario, CMI
Jon Wigum Dahl, HUS	Hanne Rosendahl-Riise
Esperanza Diaz, IGS	John-Arne Røttingen
Jutta Dierkes, K1, UIB	Rolf Skjærven, IGS
Anne Ma Dyrhol-Riise, HUS	Marion Solheim, MED
Maria Emmelin, Lund University	Nils Gunnar Songstad
Lars Tore Fadnes, IGS	Johanne Sundby, UIO
Hans Flatten, K1	Lisbet Sviland, HUS/K1 UIB
Eva Gerds, K2	Eirik Søfteland, IGS
Siri Gløppen, CMI/UIB	Tore Sætersdal, Global Challenges, UiB
Karel Gyselinck, FESTMIH	Marianne Austevoll Tiede, Global Challenges, UiB
Geir Halland, HUS	Gro Tjalvin, IGS
Kurt Hanevik, K2	Stig Tollefsen, CEPI
Harleen Grewal, K2, UIB	Eirik Joakim Tranvåg, IGS
Tor Halvorsen, SV, UiB	Bertil Tungodden, NHH/CMI
Peter Hangoma, CMI & BCEPS, UiB	Sandya S Visweswariah, Indian Inst of Science
Haldis Haukanes, Faculty of Psychology, UiB	Magnus Vollset, IGS
Sigrun Henjum, OsloMet	Sven Young, HUS/Malawi
Lone Holst, IGS	Irina Wagner, KIT, Nederland
Mari Hysing, NORCE	Harald Wiker, K2, UIB
Tane Holm Høisæter, Comm. Division, UiB	Ketil Joachim Ødegaard, UIB/HUS
Øystein Haaland, IGS	Arild Aakvik, UiB
Frode Ims, Comm. Division, UiB	Audun Aase, FHI
Frode Fadnes Jacobsen, HVL	Henriette Sinding Aasen, JUN
Anne Christine Johannessen, K1 UIB	Anne Nordrehaug Åstrøm, IKO
Esther Jürgens, FESTMIH	
Ingrid Kvestad, NORCE	
Siri Lange, HEMIL, UIB/CMI	
Nina Langeland, K2	
Christian Lengeler, Swiss TPH	
Gro Therese Lie, Psychology (Emerita)	
Rolv Terje Lie, IGS	
Lars Lien, ROP	

# RESEARCH

---

## RESEARCH GROUPS

CIH is hosted by the Department of Global Public Health and Primary Care (IGS) at the Faculty of Medicine. Within this structure, Research Groups play an important role.

Research group	Leader
<b>Global Health Anthropology Research Group</b>	<i>Professor</i> Karen Marie Moland 
<b>Global Health Research Group</b>	<i>Professor</i> Thorkild Tylleskär 
<b>Global Mental Health</b>	<i>Professor</i> Ingunn Marie Stadskleiv Engebretsen 
<b>Greenness, air pollution and health</b>	<i>Researcher</i> Ane Johannessen 
<b>Malaria research, climate, and health</b>	<i>Professor</i> Bent Lindtjørn 
<b>Tuberculosis Research Group</b>	<i>Professor</i> Tehmina Mustafa 

Affiliated research groups	Leader
<b>Bergen oral cancer group</b>	<i>Professor</i> Anne C. Johannessen 
<b>Patient- and community based clinical dental research</b>	<i>Professor</i> Anne Nordrehaug Åstrøm 
<b>Occupational and Environmental Medicine</b>	<i>Associate Professor</i> Ole Jacob Møllerløyken 

## CIH PROJECT LIST 2021

### Our main projects

Project Title	Duration	Project Leader	Funding Source	Collaboration with
Centre of Excellence: Centre for Intervention Science in Maternal and Child Health (CISMAC)	2013-2023	Sommerfelt, Halvor	NFR/GLOBVAC	Africa and Asia
Malaria Chemoprevention for the post-discharge management of severe anaemia in children in Malawi, Uganda and Kenya: Moving towards policy (IMPROVE)	2014-2021	Robberstad, Bjarne	NFR/GLOBVAC	Africa, Europe, USA
SENUPH - South Ethiopia Network of Universities in Public Health (SENUPH) aims to improve women's participation in post graduate education	2014-2021	Lindtjørn, Bernt	NORAD	Africa
Water and Society (WASO Africa)	2014-2021	Sætersdal, Tore	NORAD	Africa
Water management and Climate Change adaptation in Sri Lanka, Bangladesh, and Cambodia (WASO Asia)	2014-2021	Sætersdal, Tore	NORAD	Asia
Development of a baseline & follow study for parenting programmes in three Child Sensitive Social Protection projects in Asia.	2017-2021	Engebretsen, Ingunn	Save the Children Finland	Europe
Nordic Network on Global Health	2017-2021	Moen, Bente E	Norplus	Europe
Innovation to Scale? Formative Dialogue Research in Vision 2030 Projects	2017-2021	Moen, Bente E.	NFR	Africa, Europe
Strengthen Health Economics Capacity at Bergen and MUHAS	2017-2021	Robberstad, Bjarne	HKDIR	Africa
Strengthening Health Systems and health care implementation through Network based graduate training and research education in Zambia	2017-2024	Sandøy, Ingvild Fossgard	HKDIR	Africa
Exploring the role of helminths in the global allergy epidemic.	2018-2021	Svanes, Cecilie	Worldwide Universities Network	Europe
Prevention of mother-to-child transmission of HIV-1: program evaluation and innovative rescue intervention integrated in the expanded program of immunization	2018-2021	Tylleskär, Thorkild	EU-EDCTP	Africa, Europe
Understanding the link between Air pollution and Distribution of related Health Impacts and Welfare in the Nordic countries	2019-2021	Johannessen, Ane	Nordforsk	Europe
A cluster randomised trial to evaluate the effectiveness of household alcohol-based handrub for the prevention of sepsis, diarrhoea, and pneumonia in Ugandan infants.	2019-2023	Tylleskär, Thorkild	EU-EDCTP	Africa, Europe
Dihydroartemisinin-Piperaquine for the Chemoprevention of Malaria in Children with Sickle Cell Anaemia in eastern and southern Africa	2019-2023	Robberstad, Bjarne	NFR/GLOBVAC	Africa
TREAT Child Alcohol Use Disorder (C-AUD) in Eastern Uganda: Screening, diagnostics, risk factors and handling of children drinking alcohol	2019-2024	Engebretsen, Ingunn	NFR	Africa
Integrating and decentralising diabetes and hypertension services in Africa — INTE-AFRICA	2019-2024	Hinderaker, Sven Gudmund	EU	Africa
TREAT-Interact - Implementing a user involved education- and health system interactive task shifting approach for child mental health promotion in Uganda	2021-2026	Engebretsen, Ingunn	NFR	Africa

<b>Project Title</b>	<b>Duration</b>	<b>Project Leader</b>	<b>Funding Source</b>	<b>Collaboration with</b>
Malarial Impact on Neurobehavioral Development (MIND)	2019-2025	Robberstad, Bjarne	USA	Africa
Partnership for Poverty and Sustainable Development Studies 2	2020-2021	Sætersdal, Tore	HKDIR	Africa
The Human Exposome Project: a toolbox for assessing and addressing the impact of environment on health	2020-2021	Svanes, Cecilie	EU	Europe
Collaborative and Knowledge-building Project SARS-CoV-2 infection and COVID-19 in women and their infants in Kampala, Uganda	2020-2022	Sommerfelt, Halvor	NFR	Africa
Building Academic Capacity in Global Health in the Eastern Europe-Central Asia Region/ BACE	2020-2024	Moen, Bente E.	ERASMUS+	Eastern Europe-Central Asia
Preventing and delaying the development of diabetes in Africa: a randomised placebo-controlled double-blind phase III trial of metformin in HIV-infected persons with pre-d (META-Trial)	2020-2024	Hinderaker, Sven Gudmund	EU	Africa
Visionary nature-based actions for health, wellbeing & resilience in cities (VARCITIES)	2020-2025	Johannessen, Ane	EU	Europe
Determination of adequate tuberculosis regimen in adults and adolescents hospitalised with HIV-associated severe immune suppression - DATURA	2020-2025	Hinderaker, Sven Gudmund	EU	Africa
Strengthening Agency & Learning across Health Systems in the Americas	2020-2026	Ruano, Ana Lorena	Norad	South America
SAFEWORKERS - Safe Work Conditions by Innovative Research and Education	2020-2026	Moen, Bente E.	Norad	Africa
Water ESSENCE Africa – creating synergy to meet the global challenges	2020-2026	Sætersdal, Tore	Norad	Africa
iCARTA - Institutionalisation of Advanced Research Training in Africa	2020-2026	Tylleskär, Thorkild	Norad	Africa
South Ethiopia Network of Universities in Public Health II (SENUPH II)	2020-2026	Lindtjørn, Bernt	Norad	Africa
GROWNUT 2 - Growing Partnership for Higher Education and Research in Nutritional Epidemiology in DR Congo and Tanzania	2020-2026	Hatløy, Anne	Norad	Africa
Phase I/II study to determine Safety and Pharmacokinetics of subcutaneous administration of potent and broad anti HIV-1 neutralizing monoclonal antibodies, given to HIV-1 exposed neonates and infants.	2020-2026	Tylleskär, Thorkild	EU-EDCTP	Africa, Europe
Work skills for life: a work readiness programme to prepare the transition from secondary school	2021-2024	Sandøy, Ingvild Fossgard	NFR	Africa
Enhanced partnership for research capacity of next generation of nutrition researchers in Norway, Tanzania and DR-Congo (EPRENUIT)	2021-2026	Hatløy, Anne	HKDir	Africa
Reporting in context: An interdisciplinary initiative to strengthen maternal health services and surveillance in Ethiopia and Tanzania.	2021-2016	Blystad, Astrid	NFR	Africa
Work skills for life: a work readiness programme to prepare the transition from secondary school	2021-2024	Sandøy, Ingvild Fossgard	NFR	Africa
Enhanced partnership for research capacity of next generation of nutrition researchers in Norway, Tanzania and DR-Congo (EPRENUIT)	2021-2026	Hatløy, Anne	HKDir	Africa
Reporting in context: An interdisciplinary initiative to strengthen maternal health services and surveillance in Ethiopia and Tanzania.	2021-2016	Blystad, Astrid	NFR	Africa

# RESEARCH SCHOOL

---

## CIH AND CISMALC RESEARCH SCHOOL

We have many candidates in our research school, and are proud to show them here, both the ones who have been awarded their degree this year and the ones we have in the pipeline.

### Doctoral degrees awarded

**Jørstad, Melissa Davidsen**



#### **Diagnosis and management of extrapulmonary tuberculosis in low-resource settings, a study from Zanzibar, Tanzania**

**DEFENSE:** 11.01.2021

Melissa Davidsen Jørstad completed her medical degree at the University of Bergen in 2009 and is currently working as a doctor specializing in the Department of Thoracic Medicine at Haukeland University Hospital. The doctoral degree is carried out at the Department of Global Public Health and Primary Care, University of Bergen.

**SUPERVISORS:** Professor Tehmina Mustafa, Professor Lisbet Sviland and Professor Anne Ma Dyrhol-Riise.

**Sitali, Lungowe**



#### **Malaria species and Antimalarial Resistance Markers in Zambia**

**DEFENSE:** 13.01.2021

Lungowe Sitali is from Zambia and has a degree in medical parasitology from the University of Zambia (2009). The doctoral thesis has been carried out at the Centre for International Health, University of Bergen in the period 2015-2020.

**SUPERVISORS:** Professor Bernt Lindtjørn and Professor James Chipeta, (University of Zambia († 2019))

**Borde, Moges Tadesse**



#### **Maternal and neonatal health in southern Ethiopia: A cohort study on the incidence of illnesses and utilisation of healthcare services**

**DEFENSE:** 20.01.2021

Moges Tadesse Borde is from Dilla in southern Ethiopia. He holds a master's degree in public health from Gondar University, Ethiopia. He has been a doctoral student at Hawassa University and the University of Bergen since 2015. He works as an Assistant Professor at Dilla University.

**SUPERVISORS:** Professor Bernt Lindtjørn, Professor Kjell Arne Johansson and Dr. Eskindir Loha (Hawassa University).

**Tesfaye, Solomon Hailemariam**

### Improving management of severe childhood pneumonia at primary health care units in southern Ethiopia

**DEFENSE:** 01.02.2021

Solomon Hailemariam Tesfaye is from Dilla in Southern Ethiopia. He holds a master's degree in public health from Jimma University. Since 2016, he has been a doctoral student at Hawassa University and the University of Bergen. He now works as an Assistant Professor at Dilla University.

**SUPERVISORS:** Professor Bernt Lindtjørn, Professor Kjell Arne Johansson and Dr. Eskindir Loha (Hawassa University).

**Chokotho, Linda**

### Quality of life, functional status and cost-effectiveness of treatment after femoral shaft fractures in Malawi. A comparison of skeletal traction and intramedullary nailing in a low resource setting

**DEFENSE:** 26.03.2021

Linda Chokotho is a doctor from The College of Medicine, University of Malawi, and holds a Master's degree in Public Health from The University of Cape Town. She is an orthopedic surgeon, Fellow of the College of Surgeons for East, Central and Southern Africa (COSECSA) and works in Blantyre in southern Malawi. The doctoral thesis has been carried out at the Department of Clinical Medicine and the Centre for International Health at the University of Bergen

**SUPERVISORS:** Dr Sven Young, Associate Professor Jan-Erik Gjertsen, Professor Geir Hallan and Professor Nyengo Mkandawire (University of Malawi).

**Waatevik, Marie Johanne**

### Exercise capacity and disease prognosis in patients with chronic obstructive pulmonary disease

**DEFENSE:** 11.05.2021

Marie Johanne Waatevik grew up in Bergen. She is a trained physiotherapist at Oslo University College (2005), with a master's degree in physiotherapy science (2011) from UiB. Waatevik was employed as a research fellow at Haukeland University Hospital (HUS) with funding from the Physics Foundation. The doctoral degree is carried out at the Department of Global Public Health and Primary Care, Faculty of Medicine, University of Bergen.

**SUPERVISORS:** Associate Professor Ane Johannessen, Bente Frisk (HUS, HVL), Tomas Eagan, and Francisco Real.

**Höök, Susanna Myrnerets**

### Supporting neonatal resuscitation in low-resource settings – Innovations and new strategies

**DEFENSE:** 12.05.2021

Susanna Myrnerets Höök is a doctor, educated at the University of Gothenburg in 2002 and a specialist in pediatrics in 2015. She works at the Emergency Department, Sachsska Children and Adolescents' Hospital, Stockholm. She is a co-founder of the organization Tap4Life.org. The doctoral degree was carried out at the Centre for International Health, Department of Global Public Health and Primary Care, University of Bergen.

**SUPERVISORS:** Professor Thorkild Tylleskär, Associate Professor Tobias Alfvén, Professor Mats Blennow, (Karolinska Institutet), and PhD Anna Bergström, (Uppsala Universitet).



**Bungudo,  
Binyam Bogale**



### **Digital Targeted Client Communication for Effective Coverage of Antenatal Care**

**DEFENSE:** 16.06.2021

Binyam Bogale Bungudo has a master's degree in international health from Uppsala University, Sweden and a master's degree in public health from Jimma University, Ethiopia. The doctoral thesis has been carried out at the National Institute of Public Health and the Centre for International Health at the University of Bergen. His work is part of the project eRegistries.

**SUPERVISORS:** Professor J. Frederik Frøen (FHI, UIB), Researcher Kjersti Mørkrid Blom-Bakke (FHI)

**Haaland, Marte E. S.**



### **Beyond the Law - An Ethnography of Zambian Abortion Politics**

**DEFENSE:** 18.06.2021

Marte E. S. Haaland holds a master's degree in social anthropology from the University of Bergen (2015). She has been a PhD candidate at the Centre for International Health and CISMACH at the Department of Global Public Health and Primary Care, University of Bergen. She has also been a visiting researcher at the University of Zambia and at the University of Sussex.

**SUPERVISORS:** Professor Astrid Blystad, Professor Karen Marie Moland, Professor Haldis Haukanes and Professor Joseph Zulu, (University of Zambia).

**Napyo, Agnes Kasede**



### **Universal antiretroviral therapy for the elimination of mother-to-child transmission of HIV in Northern Uganda**

**DEFENSE:** 24.06.2021

Agnes Napyo Kasede is a trained nurse from Uganda with a master's degree in public health. She is a university lecturer at the Department of Public Health, Busitema University in Eastern Uganda. The doctoral thesis was carried out as a joint doctoral degree between the University of Bergen and the Makerere University in Uganda. It was financed by the NORHED programme at Norad through the "Survival Pluss" project.

**SUPERVISORS:** Professor Thorkild Tylleskär, Post-Doctoral Fellow Victoria Nankabirwa, Professor Grace Ndeezi and Professor James K Tumwine (Makerere University)

**Hoel, Ida Marie**



### **Challenges in diagnosis and treatment of extrapulmonary tuberculosis**

**DEFENSE:** 23.09.2021

Ida Marie Hoel is a medical doctor at the University of Bergen (2012) and works as a doctor specializing in the internal medicine department, Haraldsplass Diakonale Sykehus. The doctoral degree is carried out at the Department of Global Public Health and Primary Care, University of Bergen.

**SUPERVISORS:** Professor Tehmina Mustafa, Professor Lisbet Sviland, and Professor Harald Wiker

**Varela, Carlos Gomes****Unmet Surgical Need in Malawi****DEFENSE:** 04.10.2021

Carlos Gomes Varela is a doctor from the College of Medicine, University of Malawi (2002), a specialist in surgery from the University of Cape Town, South Africa (2011) and works as a surgeon in Malawi. The PhD work is a collaboration between the Centre for International Health and the Department of Clinical Medicine at the University of Bergen, and Haukeland University Hospital.

**SUPERVISORS:** Professor Asgaut Viste, Professor Bente E. Moen, Dr Sven Young, Professor Nyengo Mkandawire, (University of Malawi) and Reinau Groen (Johns Hopkins Medicine & Alaska Native Medical Centre).

**Lang, Hans-Jörg****Treatment of the critically ill child in low-resource settings: Essential paediatric emergency and critical care****DEFENSE – DR PHILOS:** 25.10.2021

Hans-Jörg Lang studied medicine in Germany and got his education in pediatric intensive care in the United Kingdom. He has worked for a number of years in sub-Saharan Africa and in Afghanistan, both clinically and in training programmes. He took part in the efforts against the major Ebola outbreaks in Guinea and the Democratic Republic of Congo. In recent years, he has participated in several WHO-supported programmes such as training for Ebola treatment and scaling up access to oxygen during the pandemic.

**MENTOR:** Professor Thorkild Tylleskär

**Nkosi-Gondwe, Thandile****Severe Anemia in Malawian Children: Risk Factors, Mortality and Malaria Chemoprevention****DEFENSE:** 24.11.2021

Thandile Nkosi-Gondwe is a physician and epidemiologist at Kamuzu University of Health Sciences and The Training and Research Unit of Excellence in Malawi. Nkosi-Gondwe's PhD project focuses on developing interventions to improve childhood health and reduce morbidity and mortality.

**SUPERVISORS:** Associate Professor Bjørn Blomberg, Professor Kamija S. Phiri (University of Malawi).

## PHD CANDIDATES ENROLLED 2021

Some of the candidates below belong to research groups/faculties affiliated to CIH, this is marked out. Most of the Scientific Staff at CIH also supervise PhD Candidates at partner institutions. These are not registered at UiB and are not included in this list.

Name	Project title	Supervisor	Co-supervisor(s)	Country
<b>Banti, Abiot Bezabeh</b>	Spatial analysis of tuberculosis clustering: population based prospective follow up study in Dale, Sidama Zone	Hinderaker, Sven Gudmund	Winje, Brita A.	Ethiopia
<b>Chamani, Amisa Tindamanyile</b>	Cost, cost-effectiveness and budget impact analysis of using dihydroartemisinin-piperazine with or without azithromycin as intermittent preventive treatment to improve pregnancy outcomes in Northern Tanzania.	Robberstad, Bjarne ETØK	Mori, Amani, Anaeli, Amani	Tanzania
<b>Chandyo, Manjeswori Ulak</b>	Vitamin B12 Supplementation on Growth and Neurodevelopment among Nepalese Children	Kvestad, Ingrid	Strand, Tor A., Basnet, Sudha, Schwinger, Catherine	Nepal
<b>Chebets, Martin</b>	Aetiology of stillbirths in Eastern Uganda	Tylleskär, Thorkild	Engebretsen, Ingunn Marie S., Mukunya, David, Weeks, Andrew	Uganda
<b>Choudhary, Tarun Shankar</b>	Poverty and equity impact of community-initiated kangaroo mother care	Johansson, Kjell Arne ETØK	Norheim, Ole Frithjof, Mazumder, Sarmila	India
<b>Dhingra, Usha</b>	Evaluation of chlorhexidine cord care in first 10 days among newborns in Pemba Island on neonatal mortality and cord Infections	Nankabirwa, Victoria	Sommerfelt, Halvor, Murdoch, David, Sazawal, Sunil	Uganda
<b>Grønningen, Erlend</b>	Improving diagnosis of extrapulmonary tuberculosis by implementation of a sensitive and specific test in routine tuberculosis settings in Tanzania	Mustafa, Tehmina	Sviland, Lisbeth, Mfinanga, Sayoki	Norway
<b>Habumugisha, Theogene</b>	Protein intake and nutrition status of older adults: Perspective from Sustainable Dietary Consumptionx	Engebretsen, Ingunn Marie S.	Måren, Inger Elisabeth, Dierkes, Jutta, Kaiser, Carl Walter Matthias	Rwanda
<b>Hassan, Shoab</b>	Adoption of accurate diagnostics for extra-pulmonary tuberculosis patients and its impact on reducing poverty level and inequity – Extended Cost-Effectiveness Analysis	Mustafa, Tehmina	Robberstad, Bjarne, Norheim, Ole Fritjof	Pakistan
<b>Hegdahl, Hanne Keyser</b>	Young women's sexual and reproductive health behaviour, beliefs and risks in a sub-Saharan African setting	Sandøy, Ingvild	Musonda, Patrick	Norway
<b>Helle, Ole Magnus Bjorgaas</b>	Improving diagnosis and management of extra pulmonary tuberculosis in low-resource settings by implementation of a new antigen detection test	Mustafa, Tehmina	Purohit, Manju Raj	Norway
<b>Jeganathan, Sathya</b>	Low Birth Weight Infant: Continuum of care in the community in South India	Kvestad, Ingrid	Strand, Tor A., Schwinger, Catherine	India
<b>Kampata, Linda</b>	Adolescent childbearing and contraceptive use in Zambia: trends, socio-economic patterns, and equity effects and cost benefits of an empowerment programme	Sandøy, Ingvild	Fylkesnes, Knut	Zambia

Name	Project title	Supervisor	Co-supervisor(s)	Country
<b>Kühl, Melf-Jakob</b>	Turning Knowledge into Action under the Global Agenda 2030: the potential of implementation research to inform scaling-up of disease prevention in children	Robberstad, Bjarne ETØK	Engebretsen, Ingunn Marie S.	Germany
<b>Langat, Agnes</b>	The loss of HIV exposed infants in care and its contribution to continued HIV transmission in Kenya.	Tylleskär, Thorkild	John-Stewart, Grace	Kenya
<b>Lelo, Patricia Vangu Matondo</b>	Neurodevelopment and cognition of children affected by sickle cell anaemia in the Democratic Republic of Congo	Kashala-Abotnes, Espérance	Okitundo, Daniel, Sam, David Lackland, Boivin, Michael Joseph	Democratic Republic of Congo
<b>Lønnebotn, Marianne</b>	Maternal metabolic health and offspring asthma: Preparing for motherhood already in childhood?	Svanes, Cecilie	Kirkeleit, Jorunn, Gomes Real, Francisco, Nilsen, Roy Miodini, Dharmage, Shyamali	Norway
<b>Mclean, Emily</b>	Priority setting and ethics: the case of induced abortion in Ethiopia	Miljeteig, Ingrid ETØK	Blystad, Astrid, Mirkuzie, Alemnesh	Norway
<b>Mudenda, Mweetwa</b>	Predictors of school enrolment, attendance and drop-out among adolescent girls in rural Zambia	Sandøy, Ingvild	Musonda, Patric	Zambia
<b>Mwogi, Thomas Sang</b>	Evaluation of Laboratory Workflow Process of a National Referral Hospital and Application of Relevant Health Informatics Solutions	Were, Martin (Moi University)	Tylleskär, Thorkild	Kenya
<b>Nakazwe, Chola</b>	Assessing the changing HIV Epidemiology in Zambia: Using a National Population Based Survey Conducted in Zambia	Sandøy, Ingvild	Fylkesnes, Knut	Zambia
<b>Namakula, Rhoda</b>	Examining adaptive and innate immunity in HIV exposed uninfected children	Hanevik, Kurt	Cose, Stephen, Nankabirwa, Victoria	Uganda
<b>Namugga, Olive</b>	Severe illness among infants in Uganda	Nankabirwa, Victoria	Sommerfelt, Halvor	Uganda
<b>Ndolumingu, Faustin Kitetele</b>	Mental health and HIV among children in the Democratic Republic of Congo	Abotnes, Espérance Kashala	Tylleskär, Thorkild, Lelo, Mananga	Democratic Republic of Congo
<b>Ngoie, Leonard Banza</b>	Hip fractures in Malawi. Reported outcomes after non-operative treatment. Estimate of prevalence of musculoskeletal impairment in the Malawi population	Young, Sven	Gjertsen, Jan Erik, Hallen, Geir, Mkandawire, Nyengo	Malawi
<b>Nima, Dawit Desalegn</b>	Increasing awareness, skills and knowledge in medical ethics among Ethiopian health workers to build a caring, respectful and compassionate health system	Miljeteig, Ingrid ETØK	Norheim, Ole Fritjof	Ethiopia
<b>Næss, Synnøve</b>	Different levels of iodine intake in pregnant women and its possible effect on thyroid function and infant development	Markhus, Maria Wik	Strand, Tor A., Aakre, Inger (Institute of Marie Research)	Norway
<b>Ochanda, Perez Nicholas</b>	Assessing Economic consequences and Health related quality of life in Ugandan children and adults surviving with severe malaria	Robberstad, Bjarne ETØK	Aakvik Arild, Paul Bang	Uganda
<b>Pervin, Jesmin</b>	Mobile phone communication strategies and antenatal care utilization. A mixed-method study in rural Matlab, Bangladesh	Friberg, Ingrid	Frøen, Jahn Frederik, Rahman, Anisur	Bangladesh
<b>Randjelovic, Kristina</b>	Environmental exposure to iodine uptake inhibitors and the risk of thyroid disease in pregnancy	Bakken, Kjersti Sletten	Strand, Tor A., Korevaar, Tim	Norway

<b>Name</b>	<b>Project title</b>	<b>Supervisor</b>	<b>Co-supervisor(s)</b>	<b>Country</b>
<b>Riaz, Syeda Mariam</b>	Novel insights into pathogenesis of human post-primary tuberculosis from archival material of pre-antibiotic era, 1931-47	Mustafa, Tehmina	Sviland, Lisbet, Helgeland, Lars	Pakistan
<b>Roro, Meselech</b>	Malaria in pregnancy: A community-based cohort	Lindtjørn, Bernt	Amente, Wakgari Deressa	Ethiopia
<b>Rukundo, Enock</b>	The design and implementation of a growth-monitoring digital health intervention to improve the identification and management of malnutrition in Rwanda	Frøen, Jahn Frederik	Blom-Bakke, Kjersti Mørkrød, Tumusiime, David	Rwanda
<b>Rutagwera, Gatsinzi David</b>	Cell-associated viral reservoirs and the risk of HIV-1 transmission through breast milk	Tylleskär, Torkild	Molés, Jean-Pierre, Tuailon, Edouard	Uganda
<b>Shrestha, Jasmin</b>	Prevalence and molecular Epidemiology of Rotavirus and coinfections with other enteric viruses in a long-term cohort in children from a large community in Nepal	Andreassen, Åshild	Strand, Tor A., Deminski, Jennifer Lynn	Nepal
<b>Shrestha, Sanjaya</b>	Astro virus and Non-Polio Enterovirus carriage and association with diarrhoea in a long term cohort study in children from a large community in Nepal	Strand, Tor A.	Dudman, Susanne, Vainio, Kirsti, Andreassen, Åshild	Nepal
<b>Skylstad, Vilde</b>	TREAT C-AUD: Childhood alcohol and substance use in Uganda and its associated somatic and psychosocial risk factors and outcomes	Engebretsen, Ingunn Marie S.	Skar, Ane-Marthe Solheim	Norway
<b>Solvik, Beate Stokke</b>	The effect of fatty fish on vitamin status and indices of inflammation and metabolic illness: a randomized controlled trial in preschool children	Strand, Tor A.	Øyen, Jannike, Kvestad, Ingrid	Norway
<b>Tahseen, Sabira</b>	Use of a robust immunochemistry-based test in routine clinical laboratory practice for improving diagnosis of extra-pulmonary tuberculosis: experience from Pakistan.	Mustafa, Tehmina	Sviland, Lisbet, Safdar, Nauman	Pakistan
<b>Tumuhamye, Josephine</b>	Etiology of umbilical infection, severe bacterial illness, antibiotic resistance and associated risk factors in newborns in Lira district, Northern Uganda	Nankabirwa, Victoria	Sommerfelt, Halvor, Bwanga, Freddie, Tumwine, James	Uganda
<b>Ul Haq, Mahboob</b>	Passive Versus Active case finding for tuberculosis through community-based contact screening in Pakistan: yield and treatment outcomes	Hinderaker, Sven Gudmund	Razia, Fatima	Pakistan
<b>Upadhyay, Ravi</b>	Nutritional intervention during infancy to improve neurodevelopmental outcomes in resource constrained settings	Strand, Tor A.	Hysing, Mari, Bhandari, Nita, Taneja, Sunita	India
<b>Uwera, Thaoussi</b>	A study of design and implementation of digital health intervention to improve childhood immunization program in Rwanda	Frøen, Jahn Frederik	Venkateswaran, Mahima, Tumusiime, David	Rwanda
<b>Wali, Ahmad</b>	Social and Health Inequalities Network (SHINe) a not for profit, non-government organization, Pakistan	Mustafa, Tehmina	Safdar, Nauman	Pakistan
<b>Yaqoob, Aashifa</b>	The Burden and Management of Child TB in Pakistan	Hinderaker, Sven Gudmund	Razia, Fatima	Pakistan
<b>Ødegård, Christine</b>	Medication free treatment in psychosis: The meaning of choice for people with psychosis - A qualitative exploration	Engebretsen, Ingunn Marie S.	Veseth, Marius, Stige Brynjulf	Norway

## Joint PhD degree candidates with Hawassa University, Ethiopia

Name	Project title	Supervisor	Co-supervisor(s)
<b>Abdo, Abdella Amano</b>	Evaluating Maternal and Neonatal delivery outcome at Hawassa University Referral Hospital, Hawassa, South Ethiopia.	Hinderaker, Sven Gudmund	Tekle, Achemeylesh/ Lindtjørn, Bernt
<b>Alako, Samrawit Hailu</b>	Common childhood illness and health service utilization in Wonago district, south Ethiopia. A community based cohort study.	Lindtjørn, Bernt	Johansson, Kjell A./ Astatike, Ayalew
<b>Alemayehu, Sewhareg Belay</b>	Intimate partner violence during pregnancy: Its effect on neonatal outcomes and assessment of knowledge and attitudes of Health care professionals towards intimate partner violence in Sidama zone, south Ethiopia	Hinderaker, Sven Gudmund	Emmelin, Maria/Tefera, Ayalew Astatike
<b>Amare, Hiwot Hailu</b>	assessment of school health problems in Gedeo Zone, Southern Ethiopia	Lindtjørn, Bernt	
<b>Areru, Hiwot Abera</b>	Health and Demographic Surveillance System of Dale and Wonsho woredas (districts): A potential for enhancing health care delivery system	Lindtjørn, Bernt	Dangisso, Mesay Hailu/ Moen, Bente
<b>Dinage, Mehretu Belayneh</b>	Seasonality and spatial distribution of malnutrition and treatment outcome of acute malnutrition among children aged 6-59 months in Boricha, Southern Ethiopia.	Lindtjørn, Bernt	Loha, Eskindir
<b>Kabalo, Bereket Yohannes</b>	Seasonal variation in food insecurity and undernutrition in rural Wolaita in Southwest Ethiopia	Lindtjørn, Bernt	Johansson, Kjell/Loha, Eskindir
<b>Kea, Aschenaki Zerihun</b>	Maternal mortality in Sidama zone	Hinderaker, S.G.	Lindtjørn, Bernt og Tekle, Achameylech
<b>Kebede, Tsigereda Behailu</b>	Dietary practices and household food insecurity and the association with the nutritional status of women and young children in rural kebeles of Dale woreda, Southern Ethiopia	Engebretsen, Ingunn	Bilal, Selamawit
<b>Kumma, Wondimagegn Paulos</b>	Diet and nutrition in Wolaita, Southern Ethiopia	Eskindir Loha	Lindtjørn, Bernt /Moen, Bente E.
<b>Satato, Debritu Nane</b>	Effect of local ingredient based supplementary food in treating Moderate Acute Malnutrition among children aged 24 to 59 months: A randomized controlled trial in Wolaita.	Hatløy, Anne	Balla, Elazar/Lindtjørn, Bernt/Moen, Bente

## Joint PhD degree candidat from Makerere University, Uganda

Name	Project title	Supervisor	Co-supervisor(s)
<b>Odongkara, Beatrice</b>	Preterm birth in Lira district: incidence, risk factors, outcomes and effects of HBB training and video on health workers' knowledge and skills attainment and retention.	Tylleskär, Thorkild	Tumwine, James K. / Nankabirwa, Victoria

## RESEARCH TRACK STUDENTS

Medical students at UiB may join a research track, and the students below are connected to CIH.

Student	Project	Supervisors
<b>Herstad, Kornelia</b>	Maternal Death Reporting and Reviews in Tanzania	Blystad, Astrid, Moland, Karen Marie
<b>Teigen, David ETØK</b>	Kostnadseffektivitet av behandling med hydroksyrurea hos pasienter med sigdcelleanemi (SCA) i Uganda	Robberstad, Bjarne, John, Chandy, Idro, Richard
<b>Thorsdalen, Heidi</b>	Am I too dirty to touch a baby? – Midwives and household perspectives of using alcohol-based hand rub at home before touching a neonate in Eastern Uganda: A qualitative study	Engebretsen, Ingunn Marie S., Tylleskär, Thorkild
<b>Valeckaite, Neda</b>	Health education on mental health and substance use in schools in Eastern Uganda. Perceptions from teachers and adolescent scholars	Engebretsen, Ingunn Marie S., Babirye, Juliet

# EDUCATION

---



## MASTER PROGRAMME IN GLOBAL HEALTH

### Completed masters

Name	Title of Thesis	Supervisor(s)	Country of origin (applied from)
<b>Agyei-Mensah, Yaw Opoku</b>	Small fish and food security: the cleaning practices and cooking methods of small fish in poor Ghanaian households	Anne Hatløy, Mariann Kjellevold, Peter Andersen	Ghana
<b>Andresen, Ingvild</b>	A storehouse of mother's unconditional love and nectar". The role of the National Comprehensive Lactation Management Centre in strengthening infant feeding for new-borns in New Delhi, India	Karen Marie Moland	Norway
<b>Aryal, Rachana</b>	Stillbirths from Year 2067 BS to 2076 BS in Western Regional Hospital, Pokhara, Nepal: A Descriptive Study	Sven Gudmund Hinderaker	Nepal
<b>Banjara, Sarala</b>	Association between parental asthma medication use and development of asthma and allergies in offspring	Cecilie Svanes	Nepal (Norway)
<b>Beltrémieux, Gaël Benoit Joseph</b>	Norwegian resident's self-assessed understanding of AI in health	Kristine Bærøe, Cornelius Wright Cappelen	France (Norway)
<b>Debnath, Kala Chand</b>	Functional consequences of metabolic interaction between oral cancer cells and fibroblasts	Harsh Dongre, Himalaya Parajuli, Daniela E. Costea	Bangladesh
<b>Disha, Nazia Islam</b>	Role of evolutionary conserved residues in integrin $\alpha 11$ cytoplasmic tail function	Donald Gullberg, Ning Lu	Bangladesh
<b>Foncha, Robert Nuifondieng</b>	Assessment of treatment outcomes of registered tuberculosis patients: A retrospective cohort analysis	Sven Gudmund Hinderaker	Cameroon
<b>Gekonyo, Monica Njeri</b>	Intrahousehold Food Allocation Practices: A Qualitative Study among the Samburu in Laikipia County Kenya	Anne Hatløy, Karen Marie Moland	Kenya
<b>Goni, Osman</b>	The elusive functions of EXT1 and EXT2 Identification of motifs in EXT1 and EXT2 involved in complex formation	Marion Kusche-Gullberg	Bangladesh
<b>Henriksen, Eline Sadiya</b>	Economic evaluation of nutritional interventions in Zanzibar: An analysis using Fair Choices – DCP analytic tool	Kjell Arne Johansson, Øystein Ariansen Haaland, ETØK	Norway
<b>Janananda, Bhagya</b>	Characterization of SIS (Small Indigenous fish Species) consumption pattern of 18-59-months-old children in coastal regions of Ghana	Anne Hatløy, Mariann Kjellevold and Peter Andersen	Sri Lanka
<b>Khalid, Shizza</b>	Identification of host biomarkers from dried blood spots for monitoring treatment response in extrapulmonary tuberculosis	Tehmina Mustafa	Pakistan (Norway)
<b>Kamelkova, Daria</b>	Food insecurity and its association with mental health among Syrian refugees settled in Norway	Esperanza Diaz, Elisabeth Marie Strømme	Russia (Norway)
<b>Khor, Heng Wei</b>	The roles and experiences of immigrant healthcare workers within the Norwegian healthcare system	Karen Marie Moland, David Lackland Sam	Malaysia

## EDUCATION

<b>Name</b>	<b>Title of Thesis</b>	<b>Supervisor(s)</b>	<b>Country of origin (applied from)</b>
<b>Messing, David Aaron</b>	Developing a framework for sustainable actions that civil society can undertake to mitigate the impact that microplastics have on human health. A scoping literature review	Ana Lorena Ruano, Tanja Kögel	USA (Norway)
<b>Nnadozie, Prince Chinonso</b>	Treatment outcomes of tuberculosis patients registered during 2014 – 2019 in a tertiary care hospital in Port Harcourt, Nigeria: A retrospective cohort analysis	Sven Gudmund Hinderaker	Nigeria (Norway)
<b>Onni, Anindita Tasnim</b>	Work and health in the coir industry in Sri Lanka: a descriptive study with a specific focus on risk factors for injuries and incidence of injuries at these workplaces	Magne Bråtveit, Bente Moen, Asela Perera	Bangladesh
<b>Osman, Doaa Khalid Mohammed</b>	Transfusion guidelines and recruitment of blood donors to the patients with hemoglobinopathy in the Nordic countries	Tor Hervig	Sudan (Norway)
<b>Pathak, Sweta</b>	Association of socioeconomic status with linear growth in children up to 2 years of age, Nepal	Tor Strand, Catherine Schwinger	Nepal (Norway)
<b>Rasheed, Rahma</b>	Investigation of periductal extracellular matrix deposition in Sjögren's Syndrome	Kahrine Skarstein, Daniela Elena Costea	India (Norway)
<b>Riaz, Saman</b>	Human systemic and intestinal IgA responses against the mucinase YghJ following experimental infection with enterotoxigenic Escherichia coli	Kurt Hanevik, Hans Steinsland	Pakistan
<b>Saleem, Ragda Omar Abbasher</b>	Mesenchymal Stem Cells' Secretome Restores Impaired Osteogenic Capacity Induced by Oxidative Stress	Kamal Mustafa, Ellen Berggreen, Niyaz Al-Sharabi,	Sudan (Norway)
<b>Sinsamala, Robin Mzati</b>	The effect of sexual and reproductive health education and community dialogue on adolescent pregnancy rates: A cluster randomized trial in rural Zambia	Ingvild Sandøy, Hanne Keyser Hegdal	Malawi (Norway)
<b>Tanko, Katumi</b>	Understanding trauma care in Ghana: the use of traditional bone setter practices: a narrative literature review	Graziella van den Bergh	Ghana
<b>Thakur Lohar, Dinbandhu</b>	Oral cancer prevention and oral mucosal examination among dentists in Norway - a cross-sectional study	Daniela Elena Costea, Anne-Christine Johannessen	Nepal (Norway)
<b>Vijayakumar, Varun Kumar</b>	Can a digital decision support tool increase adherence to COPD guidelines?	Bernt Bøgvold Aarli, Tehmina Mustafa	India

## Enrolled master students 2021

Name	Supervisors	Country of origin (applied from)
Abbah, Achenyo Peace	Ane Johannessen	Nigeria (Norway)
Abdallah, Daudi Hashim	Oddvar Kaarbøe	Tanzania
Adari, Sai Harish	Esperanza Diaz, Bernadette Kumar	India
Ajekiigbe, Ifeaanu	Carmeliza Soares Da Costa Rosario, Esperanza Diaz	Nigeria
Aslan, Aryen Hanim	David Sam	Turkey
Cardoso Couto De Azevedo, Ingrid	Anand Bhopal, Ole F. Norheim	Brazil (Norway)
Carpi, Chloë	Cecilie Svanes, Ana Lorena Ruano, Shokouh Makvandi-Nejad, Juan Pablo Lopez Cervantes	France
Eid, Muhammad	Asieh Mofrad, Julia Romanowska	Syria
El Jellas, Khadija (on leave)		Morocco (Norway)
Elmalih, Vironia	Ingunn Engebretsen, Theogene Habumugisha	Egypt
Grünberg, Agnes	Karen Marie Moland, Sven Gudmund Hinderaker	Estonia
Hossain, Aljim	Randi J Bertelsen, Anne Åstrøm	Bangladesh (Norway)
Ilyas, Anum	Kristine Bærøe, Lucinda Manda Taylor	USA
John, Alina	Ingvild Sandøy	Norway
Koivuluoma, Venla Tuulia	Ingvild Sandøy	Finland
Maharjan, Jasmine	Biraj Karmacharya, Kjell Arne Johansson	Nepal
Maheen, Ferdousi	Gunjeet Kaur, Silje Mæland	Bangladesh
Mallange, Grace	Oddvar Kaarbøe	Tanzania
Marjan, Sharika	Kristina Xiao Liang	Bangladesh
Miciul, Agnieszka	Anne Hatløy, Marian Kjellevold, Peter Andersen	Poland
Nahar, Kamrun	Samih Mohamed-Ahmed, Niyaz Al-Sharabi	Bangladesh
Nakyonyi, Maria Gorretti	Anne Åstrøm, Nancy Birungi	Uganda
Nazarihighighipashaki, Mahshad	Bente Moen	Iran
Neupane, Susmita	David Sam	Nepal (Norway)
Nisha, Sadia Nusrat	Lone Holst	Bangladesh (Norway)
Olsen, Ingrid Østebø	Hanne Rosendahl-Riise, Ingunn Engebretsen, Inger Aakre	Norway
Pandey, Bhaskar (on leave)		Nepal (Norway)
Pandit, Sagar	Biraj Karmacharya, Kjell Arne Johansson	Nepal
Rajeshwar	Tehmina Mustafa	Pakistan
Salonen, Marika Helena	Anne Hatløy, Marian Kjellevold, Peter Andersen	Finland (Norway)
Shakya, Ronas	Rajesh Shigdel	Nepal
Suchodolska, Urszula Izabela	Bernt Aarli, Tehmina Mustafa	Poland (Norway)
Sultan, Nasreen (on leave)	Tehmina Mustafa	India (Norway)
Tabassum, Anika	Kurt Hanevik, Oda Barth Vedøy, Hans Steinsland	Bangladesh (Norway)
Tembo, Penias	Ingvild Sandøy, Charles Michelo	Zambia
Tripathi, Puja	David Sam	Nepal
Urquizo Gonzalez, Mayra Elizabeth	Graziella van den Bergh, Ingvild Sandøy	Peru (Norway)
Veettikkat, Vijil	Tehmina Mustafa, Einar Heldal	India
Yangzom, Tsering	Kristina Xiao Liang	India

## Enrolled master students 2020

Name	Supervisors	Country of origin (applied from)
Adhikari, Binita (on leave)	Ingvild Sandøy	Nepal (Norway)
Adhikari, Bipin	Ane Johannessen, Rajesh Shigdel	Nepal (Norway)
Ahmed, Doua Abdalla Awadalkarim	Esperanza Diaz	Sudan (Norway)
Eziokwu, Ferdinand Anyanwu	Sven Gudmund Hinderaker, Karen Marie Moland	Nigeria (Norway)
Bakke, Åse Kristin Ask (on leave)		Norway
Boyle, Lydia Dawn	Bettina Husebø	USA (Norway)
Brox, Camilla	Lone Holst	Norway
Gaifém, Francisca Manuela Faria	David Sam	Bergen (Norway)
Gyawali, Sanjay	Rajesh Shigdel and Cecilie Svanes	Nepal (Norway)
Horkin, Bethany	Sven Gudmund Hinderaker and Tehmina Mustafa	UK (Norway)
Hubbers, Jessica Alexandra	Øystein Haaland and Kjell Arne Johansson	The Netherlands (Norway)
Ilic, Melissa Alejandra	Astrid Blystad and Karen Marie Moland	Norway
Iqbal, Mudasar	Ana Lorena Ruano and Magnus Vollset	Pakistan (Norway)
Matellanes Nascimento, Raquel	Graziella van Den Bergh	Spain/Brazil (Norway)
Mohanty, Biplob Kumar	Tehmina Mustafa	India (Norway)
Mukendi, Deborah Kabulo	Lars Thore Fadnes and Siv-Elin Leirvåg Carlsen	Norway
Naeem, Abdullah Ann	Anne Christine Johannessen	Bangladesh
Normann, Beatrice	Tehmina Mustafa	Norway
Oli, Sadikshya (on leave)	Karen Marie Moland and Astrid Blystad	Nepal (Norway)
Roy, Medha	Anne Hatløy	Bangladesh
Shammi, Fahima Akter	David Sam	Bangladesh
Sinha, Nivedita	Lars Björkman	India (Norway)
Ulriksen, Ingrid Kristine	Ana Lorena Ruano	Norway
Wysocka, Marta	Ana Lorena Ruano	Poland (Norway)

## MEDICAL STUDENTS WITH THESIS

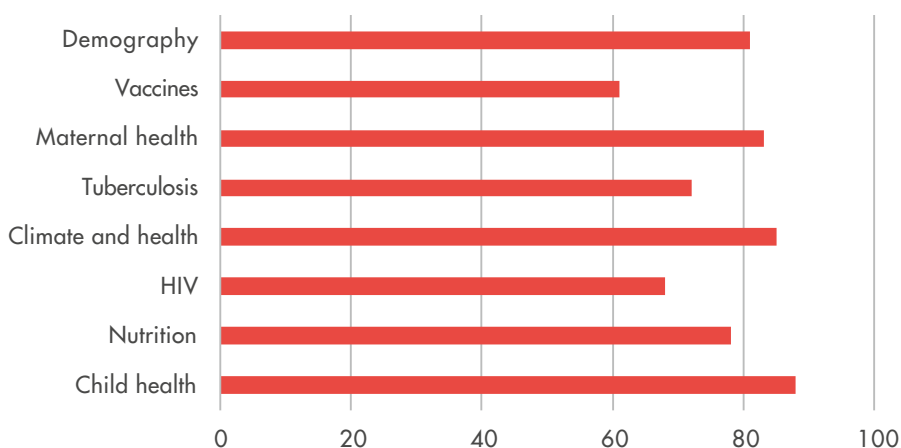
The following medical students work on their thesis work with supervisors at CIH.

Student	Status	Main supervisor
Grønnæss, Tuva Marie Hildisch	(Active)	Moland, Karen Marie
Holland, Malene	(Active)	Venkateswaran, Mahima
Khazaie, Miriam Gulbrandsen	(Active)	Sandøy Ingvild F.
Kolnes, Maria Fryd Vigdel	(Completed April 2022)	Sandøy Ingvild F.
Shrivastava, Sofie Haugan	(Completed May 2022)	Sandøy Ingvild F., Hegdahl, Hanne K.
Talstad, Silje	(Completed May 2022)	Sandøy Ingvild F., Hegdahl, Hanne K.
Morsest, Anne-Sofie	(Completed 2021)	Hinderaker, Sven Gudmund
Naterstad, Armas	(Completed 2021)	Robberstad, Bjarne (ETØK)
Ramsli, Emil	(Completed 2021)	Engebreetsen, Ingunn Marie S.
Slettan, Ingrid	(Completed 2021)	Hinderaker, Sven Gudmund
Solås, Therese	(Completed 2021)	Hinderaker, Sven Gudmund

## EXAM FOR MEDICAL STUDENTS IN INTERNATIONAL HEALTH

All medical students have one week learning international health. Afterwards, as a part of a large medical exam, the medical students answer questions on 8 different topics in international health. They answer between 4 and 7 multiple choice questions on each of these 8 topics. The results from the 2021 exam are below and show that the 86 students participating from kull 16b answered quite well.

### Correct answers in % from medical students



# PUBLICATIONS

---

## PUBLICATION LIST

### Adolescent health

Milimo, Joyce; Zulu, Joseph Mumba; **Svanemyr, Joar**; Munsaka, Ecloss; Mweemba, Oliver; **Sandøy, Ingvild Fossgard**. *Economic support, education and sexual decision making among female adolescents in Zambia: a qualitative study*. BMC Public Health 2021; Volum 21.

**Svanemyr, Joar**; **Moland, Karen Marie**; **Blystad, Astrid**; Zulu, Joseph M.; **Sandøy, Ingvild Fossgard**. *Norms and sexual relations among adolescents in the context of an intervention trial in rural Zambia*. Global Public Health 2021

Chavula, Malizgani Paul; **Svanemyr, Joar**; Zulu, Joseph Mumba; **Sandøy, Ingvild Fossgard**. *Experiences of teachers and community health workers implementing sexuality and life skills education in youth clubs in Zambia*. Global Public Health 2021

### Cancer and cancer treatment

Nejad, Amir Sasan Mozaffari; **Noor, Tehjeeb**; Munim, Ziaul Haque; Alikhani, Mohammad Yousef; Ghaemi, Amir. *A bibliometric review of oncolytic virus research as a novel approach for cancer therapy*. Virology Journal 2021; Volum 18.

**Mohamed, Nazar**; van de Goor, Rens; El-Sheikh, Mariam; Elrayah, Osman; Osman, Tariq; Nginau, Elisabeth Sivy; Johannessen, Anne Christine; Suleiman, Ahmed; Costea, Daniela Elena; Kross, Kenneth W. *Feasibility of a portable electronic nose for detection of oral squamous cell carcinoma in Sudan*. Healthcare 2021; Volum 9.(5) s.1-11

Lal, Pranay; Mitra, Arpita; Yadav, Amit; Sarkar, Raju; **Hinderaker, Sven Gudmund**; Mukherjee, Nirmalya. *Raising the Age of Purchase and Use of Tobacco Product in Bangladesh: Benefits and Challenges in Protecting Youth from the Tobacco Epidemic*. Asian Pacific Journal of Cancer Prevention 2021; Volum 22. (Suppl.2) s.65-70

**Golburean, Olga**; Hagen, Maria Helene; Uncuta, Diana; Tighineanu, Marcela; Manrikyan, Gayane; Vardanian, Izabella; Andresen, Christoffer; Singh, Bhavdeep; Porosencova, Tatiana; Ivasiuc, Irina; Cheptanaru, Olga; Markaryan, Marina; Shakavets, Natalia; Sapkota, Dipak; Søland, Tine Merete; Costea, Daniela Elena; Özkaya, Ferda. *Knowledge, opinions, and practices related to oral cancer prevention and oral mucosal examination among dentists in Moldova, Belarus and Armenia: a multi-country cross-sectional study*. BMC Oral Health 2021; Volum 21.

**Mohamed, Nuha Mohamed Gaafar**; Osman, Tariq Al-Hadi; Ahmed, Israa A.H.; Elsheikh, Mariam; Dongre, Harsh Nitin; Jacobsen, Martha Rolland; **Mohamed, Nazar**; Fromreide, Siren; Suleiman, Ahmed Mohamed; Johannessen, Anne Christine; Nginau, Elisabeth Sivy; Costea, Daniela Elena. *Characterization of immune cell infiltrate in tumor stroma and epithelial compartments in oral squamous cell carcinomas of Sudanese patients*. Clinical and Experimental Dental Research 2021 s.1-11

### Communicable diseases (except Malaria and Tuberculosis)

Amare, Hiwot Hailu; **Lindtjorn, Bernt**. *Risk factors for scabies, tungiasis, and tinea infections among schoolchildren in southern Ethiopia: A cross-sectional Bayesian multilevel model*. PLoS Neglected Tropical Diseases 2021; Volum 15.(10)

Bragança Lima, Mariana V.; **Hinderaker, Sven Gudmund**; Ogundipe, O.F.; Owiti, Philip; Kadai, B; Maikere, J. *Association between cholera treatment outcome and nutritional status in children aged 2–4 years in Nigeria*. Public Health Action 2021; Volum 11.(2)

Farooq, Ammara; Aurangzeb, Brekhna; Sheikh, Taimur Khalil; Bashir, Huma; Ghuncha, Maryam; **Mustafa, Tehmina**. *Successful Outpatient Management of Children at a Secondary Care Hospital in Pakistan in a Dengue Fever Epidemic and Their Clinical Outcomes*. Journal of Tropical Medicine 2021; Volum 2021. (3296448) s.1-10

Alswang, Jared M.; Gutierrez, Alexis L.; Sadler, Samantha J.; **Norheim, Ole Frithjof**. *Maintaining neglected tropical disease programmes during pandemics*. Bulletin of the World Health Organization 2021; Volum 99.(6) s.473-474

Hailamariam, Mengistu; Mekonnen, Zeleke; **Loha, Eskindir**; Padalko, Elizaveta. *Congenital Cytomegalovirus Infections Mother-Newborn Pair Study in Southern Ethiopia*. Canadian Journal of Infectious Diseases and Medical Microbiology 2021; Volum 2021. s.1-7

### eHealth

Blom-Bakke, Kjersti Mørkrid; **Bungudo, Binyam**; Abbas, Eatimad; Abu Khader, Khadija; Abu Ward, Itimad; Attal, Amjad; Awwad, Tamara; Baniode, Mohammad; Frost, Kimberly; Frost, Michael James; Ghanem, Buthaina; Hijaz, Taghreed; Isbeih, Mervett; Issawi, Sally; Nazzal, Zaher A.S.; O'Donnell, Brian; Qaddomi, Sharif E.; Rabah, Yousef; **Venkateswaran, Mahima**; **Frøen, Jahn Frederik**. *eRegCom—Quality Improvement Dashboard for healthcare providers and Targeted Client Communication to pregnant women using data from an electronic health registry to improve attendance and quality of antenatal care: study protocol for a multi-arm cluster randomized trial*. Trials 2021; Volum 22. s.1-13

Rahman, Anisur; Friberg, Ingrid Kristina; Dolphyne, Akuba Kwansima; Fjeldheim, Ingvild; Khatun, Fatema; O'Donnell, Brian; **Pervin, Jesmin**; Rahman, Monjur; Rahman, A. M. Quaiyum; Nu, U. Tin; Sarker, Bidhan Krishna; **Venkateswaran, Mahima**; **Frøen, Jahn Frederik**. *An Electronic Registry for Improving the Quality of Antenatal Care in Rural Bangladesh (eRegMat): Protocol for a Cluster Randomized Controlled Trial*. JMIR Research Protocols 2021; Volum 10.(7)

**Bungudo, Binyam**; Blom-Bakke, Kjersti Mørkrid; Abbas, Eatimad; Ward, Itimad Abu; Anaya, Firas; Ghanem, Buthaina; Hijaz, Taghreed; Isbeih, Mervett; Issawi, Sally; Nazzal, Zaher A.S.; Qaddomi, Sharif E.; **Frøen, Jahn Frederik**. *The effect of a digital targeted client communication intervention on pregnant women's worries and satisfaction with antenatal care in Palestine-A cluster randomized controlled trial*. PLOS ONE 2021; Volum 16.(4) s.1-13

Isbeih, Mervett; **Venkateswaran, Mahima**; Abbas, Eatimad; Abu Khader, Khadija; Awwad, Tamara; Baniode, Mohammad; Ghanem, Buthaina; Hijaz, Taghreed; Ramlawi, Asad; Salman, Rand; White, Richard Aubrey; **Frøen, Jahn Frederik**. *Gestational age recorded at delivery versus estimations using antenatal care data from the Electronic Maternal and Child Health Registry in the West Bank: a comparative analysis*. The Lancet 2021; Volum 398. s.S31

### Global health priorities, Ethics

Olsen, Maria; **Norheim, Ole Frithjof**; Memirie, Solomon Tessema. *Reducing regional health inequality: a sub-national distributional cost-effectiveness analysis of community-based treatment of childhood pneumonia in Ethiopia*. International Journal for Equity in Health 2021; Volum 20.(1) s.1-10

**Fylkesnes, Knut**; Jakobsen, Monika Dybdahl; Henriksen, Nils Oddbjørn. *The value of general health perception in health equity research: A community-based cohort study of long-term mortality risk (Finnmark cohort study 1987–2017)*. SSM - Population Health 2021; Volum 15:100848. s.1-9

Tranvåg, Eirik Joakim; Strand, Roger; Ottersen, Trygve; **Norheim, Ole Frithjof**. *Precision medicine and the principle of equal treatment: a conjoint analysis*. BMC Medical Ethics 2021; Volum 22.

Horn, Sindre August; Barra, Mathias; **Norheim, Ole Frithjof**; Solberg, Carl Tollef. *Public health priority setting: A case for priority to the worse off in well-being during the COVID-19 pandemic*. Etikk i praksis 2021; Volum 15.(2) s.5-15

Emanuel, Ezekiel J.; Buchanan, Allen; Chan, Shuk Ying; Fabre, Cécile; Halliday, Daniel; Leland, R.J.; Luna, Florencia; McCoy, Matthew S.; **Norheim, Ole F**; Schaefer, G. Owen; Tan, Kok-Chor; Wellman, Christopher Heath. *On the Ethics of Vaccine Nationalism: The Case for the Fair Priority for Residents Framework*. Ethics and International Affairs 2021

Choudhary, Tarun Shankar; Mazumder, Sarmila; Haaland, Øystein Ariansen; Taneja, Sunita; Bahl, Rajiv; **Martines, Jose Carlos**; Bhan, Maharaj Kishan; Johansson, Kjell Arne; **Sommerfelt, Halvor**; Bhandari, Nita; **Norheim, Ole Frithjof**. *Health equity impact of community-initiated kangaroo mother care: a randomized controlled trial*. International Journal for Equity in Health 2021; Volum 20.

Bhopal, Anand Singh; Mehdi, Haileselassie; Bærøe, Kristine; **Norheim, Ole Frithjof**. *Climate change and health in Ethiopia: To what extent have the health dimensions of climate change been integrated into the Climate-Resilient Green Economy? World Medical & Health Policy (WMHP) 2021; Volum 13. s.293-312*

Oh, Juhwan; Lee, Hwa-Young; Khuong, Quynh Long; Markuns, Jeffrey F.; Bullen, Chris; Barrios, Osvaldo Enrique Artaza; Hwang, Seung-sik; Suh, Young Sahng; McCool, Judith; Kachur, S. Patrick; Chan, Chang-Chuan; Kwon, Soonman; Kondo, Naoki; Hoang, Van Minh; Moon, J. Robin; Rostila, Mikael; **Norheim, Ole Frithjof**; You, Myoungsoon; Withers, Mellissa; Li, Mu; Lee, Eun-Jeung; Bensi, Caroline; Park, Sooyung; Nam, Eun-Woo; Gottschalk, Katie; Kavanagh, Matthew M.; Tran, Thi Giang Huong; Lee, Jong-Koo; Subramanian, S.V.; McKee, Martin; Gostin, Lawrence. *Mobility restrictions were associated with reductions in COVID-19 incidence early in the pandemic: evidence from a real-time evaluation in 34 countries*. Scientific Reports 2021; Volum 11.(1)

Lee, Jong-Koo; Bullen, Chris; Ben Amor, Yanis; Bush, Simon R; Colombo, Francesca; Gaviria, Alejandro; Karim, Salim S. Abdool; Kim, Booyuel; Lavis, John N.; Lazarus, Jeffrey V.; Lo, Yi-Chun; Michie, Susan F.; **Norheim, Ole Frithjof**; Oh, Juhwan; Reddy, Kollu Srinath; Rostila, Mikael; Sáenz, Rocío; Smith, Liam D.G.; Thwaites, John W.; Were, Miriam K.; Xue, Lan. *Institutional and behaviour-change interventions to support COVID-19 public health measures: A review by the Lancet Commission Task Force on public health measures to suppress the pandemic*. International Health 2021; Volum 13.(5) s.399-409

Ahmed, Nawshad Uddin; Maamri, Abdellatif; Falade, Adegoke G; Ayede, Adejumo Idowu; Bhutta, Adnan; Gambhir, Ajay; Tagarro, Alfredo; Abdelmegeid, Ali; Ahmadi, Ali Reza; Barros, Aluisio J D; Mekasha, Amha; Srinivasaiyer, Anantha Kumar; da Silva, André Ricardo Araujo; Schultz, Andreas; Fatima, Batool; Dhar, Bishnupada; Magowan, Brian; Wills, Bridget; Raynes-Greenow, Camille; Homer, Caroline S.E.; MacLennan, Carolyn; Ward, Catherine I; Garcia, Daniel Martinez; Ross, David; Murdoch, David; Wilson, Deborah Joy; Adejuyigbe, Ebuloluwa A.; Stasi, Ecaterina; Scudde, Elaine; Sacks, Emma; McCollum, Eric D.; Althabe, Fernando; Russell, Fiona; Kumar, GS; **Sommerfelt, Halvor**; Graham, Hamish; Blencowe, Hannah; Tappis, Hannah; Saloojee, Haroon; Masaud, Hesham Abdussalam Ben; Tiwary, Hires; Asiodu, Ifeyinwa; Newton, James B; Bourdaire, Jessica; Adze, Joel Amwe; **Martines, Jose Carlos**; Lozano, Juan M; Watson, Judd; Bahl, Rajiv; Shamszai, Zainularab Zohra; Navabi, Zohreh Sadat. *Global research priorities on COVID-19 for maternal, newborn, child and adolescent health*. Journal of Global Health 2021; Volum 11.(1)

## Health Economics

Verguet, Stéphane; Hailu, Alemayehu; Eregata, Getachew Teshome; Memirie, Solomon Tessema; Johansson, Kjell Arne; **Norheim, Ole Frithjof**. *Toward Universal Health Coverage in the post-COVID-19 era*. Nature Medicine. Nature Medicine 2021; Volum 27.(3)

Hurissa, Mengistu Bekele; **Norheim, Ole Frithjof**; Hailu, Alemayehu. *Cost-Effectiveness of Saxagliptin Compared With Glimeclamide as a Second-Line Therapy Added to Metformin for Type 2 Diabetes Mellitus in Ethiopia*. Medical Decision Making Policy & Practice 2021; Volum 6.(1)

Hailu, Alemayehu; Gebreyes, Roman; **Norheim, Ole Frithjof**. *Equity in Public Health Spending in Ethiopia: Benefit Incidence Analysis*. Health Policy and Planning 2021; Volum 36.(Suppl 1) s.i4-i13

Micah, Angela E.; Cogswell, Ian E; Cunningham, Brandon; Ezoe, Satoshi; Harle, Anton C.; Maddison, Emilie R.; McCracken, Darragh; Nomura, Shuhei; Simpson, Kyle E; Stutzman, Hayley N; Tsakalos, Golsum; Wallace, Lindsey E; Zhao, Yingxi; Zende, Rahul R; Abbafati, Cristiana; Abdelmasseh, Michael; Abedi, Aidin; Abegaz, Kedir Hussein; Abhilash, E.S.; Abolhassani, Hassan; Abrigo, Michael R.M.; Adhikari, Tara Ballav; Afzal, Saira; Ahinkorah, Bright O; Ahmadi, Sepideh; Ahmed, Haroon; Ahmed, Muktar Beshir; Rashid, Tarik Ahmed; Ajami, Marjan; Aji, Budi; Akalu, Yonas; Akunna, Chisom Joyqueenet; Hamad, Hanadi Al; Alam, Khurshid; Alanezi, Fahad Mashhour; Alanzi, Turki M; Alemayehu, Yosef; Alhassan, Robert K; Alinia, Cyrus; Aljunid, Syed Mohamed; Almustanyir, Sami; Alvis-Guzman, Nelson; Alvis-Zakzuk, Nelson J.; Amini, Saeed; Amin-Rarani, Mostafa; Hailu, Alemayehu; **Hassan, Shoaib**; Kisa, Adnan; Kisa, Sezer; Murray, Christopher J.L.; Dieleman, Joseph L. *Tracking development assistance for health and for COVID-19: a review of development assistance, government, out-of-pocket, and other private spending on health for 204 countries and territories, 1990–2050*. The Lancet 2021; Volum 398.(10308)

Hailu Alemayehu; Eregata, Getachew Teshome; Yigezu, Amanuel; Bertram, Melanie; Johansson, Kjell Arne; **Norheim, Ole Frithjof**. *Contextualization of cost-effectiveness evidence from literature for 382 health interventions for the Ethiopian essential health services package revision*. Cost Effectiveness and Resource Allocation 2021; Volum 19.(58)

Lamu, Admassu Nadew; **Norheim, Ole Frithjof**; Gregersen, Fredrik A.; Barra, Mathias. *Cycle-network expansion plan in Oslo: Modeling cost-effectiveness analysis and health equity impact*. Health Economics 2021; Volum 30.(12) s.3220-3235

Verguet, Stéphane; **Norheim, Ole F**. *Estimating and Comparing Health and Financial Risk Protection Outcomes in Economic Evaluations*. Value in Health 2021 s.1-9

**Chamani, Amisa Tindamanyile**; Mori, Amani Thomas; **Robberstad, Bjarne**. *Implementing standard antenatal care interventions: health system cost at primary health facilities in Tanzania*. Cost Effectiveness and Resource Allocation 2021; Volum 19.

**Hussain, Hamidah**; Malik, Aryn; Ahmed, Junaid F.; Siddiqui, Sara; Amanullah, Farhana; Creswell, Jacob; **Tylesskär, Thorkild**; **Robberstad, Bjarne**. *Cost-effectiveness of household contact investigation for detection of tuberculosis in Pakistan*. BMJ Open 2021; Volum 11.(10)

## Health Systems

Eregata, Getachew Teshome; Hailu, Alemayehu; Stenberg, Karin; Johansson, Kjell Arne; **Norheim, Ole Frithjof**; Bertram, Melanie Y. *Generalised cost-effectiveness analysis of 159 health interventions for the Ethiopian essential health service package*. Cost Effectiveness and Resource Allocation 2021; Volum 19.(2)

Mapatano, Mala Ali; Haskins, Lyn; John, Vaughn; Hatloy, Anne; Luthuli, Silondile; Mapumulo, Sphindile; **Engebretsen, Ingunn Marie S.**; **Tylesskär, Thorkild**; Mutombo, Paulin Beya; Horwood, Christiane. *Establishing a postgraduate programme in nutritional epidemiology to strengthen resource capacity, academic leadership and research in the democratic republic of Congo*. BMC Medical Education 2021; Volum 21.(136)

Horwood, Christiane; Mapumulo, Sphindile; Haskins, Lyn; Vaughn, John; Luthuli, Silondile; **Tylesskär, Thorkild**; Mutombo, Paulin Beya; **Engebretsen, Ingunn Marie Stadsckleiv**; Mapatano, Mala; **Hatloy, Anne**. *A North–South South partnership in higher education to develop health research capacity in the Democratic Republic of the Congo: the challenge of finding a common language*. Health Research Policy and Systems 2021; Volum 19.(79)

Hailu, Alemayehu; Eregata, Getachew Teshome; Stenberg, Karen; **Norheim, Ole Frithjof**. *Is universal health coverage affordable? Estimated costs and fiscal space analysis for the Ethiopian Essential Health Services Package*. Health Systems & Reform 2021; Volum 7.(1)

Casey, Kate; Galles, Natalie C.; Liu, Patrick Y.; Updike, Rachel L; Fullman, Nancy; Nguyen, Jason; Rolfe, Sam; Sbarra, Alyssa N.; Schipp, Megan F.; Marks, Ashley; Abady, Gdiom Gebreheat; Abbas, Kaja M.; Abbasi, Sumra Wajid; Abbastabar, Hedayat; Abd-Allah, Foad; Abdoli, Amir; Abolhassani, Hassan; Abosetugn, Akine Eshete; Adabi, Maryam; Adamu, Abdu A.; Adetokunboh, Olatunji O.; Adnani, Qorinah Estiningtyas Sakilah; Advani, Shailesh M.; Afzal, Saira; Aghamir, Seyed Mohammad Kazem; Ahinkorah, Bright O; Ahmad, Sohail; Ahmad, Tauseef; Ahmadi, Sepideh; Ahmed, Haroon; Ahmed, Muktar Beshir; Rashid, Tarik Ahmed; Salih, Yusra Ahmed; Akalu, Yonas; Akilu, Addis; Akunna, Chisom Joyqueenet; Hamad, Hanadi Al; Alahdab, Fares; Albano, Luciana; Alemayehu, Yosef; Alene, Kefyalew Addis; Al-Eyadhy, Ayman; Alhassan, Robert K; Ali, Liaqat; Aljunid, Syed Mohamed; **Hassan, Shoaib**; Kisa, Adnan; Kisa, Sezer; Winkler, Andrea Sylvia; Lim, Stephen S.; Mosser, Jonathan F. *Measuring routine childhood vaccination coverage in 204 countries and territories, 1980–2019: a systematic analysis for the Global Burden of Disease Study 2020, Release 1*. The Lancet 2021; Volum 398.(10299) s.503-521

Gupta, Neil; Mocumbi, Ana; Arwal, Said H.; Jain, Yogesh; Haileamlak, Abraham M.; Memirie, Solomon T.; Larco, Nancy C.; Kwan, Gene F.; Amyunzu-Nyamongo, Mary; Gathecha, Gladwell; Amegashie, Fred; Rakotoarison, Vincent; Masiye, Jones; Wroe, Emily; Koirala, Bhagawan; Karmacharya, Biraj; Condo, Jeanine; Pierre Nyemazi, Jean; Sesay, Santigie; Maogenzi, Sarah; Mayige, Mary; Mutungi, Gerald; Ssinabulya, Isaac; Akiteng, Ann R.; Mudavanhu, Justice; Kapambwe, Sharon; Watkins, David; **Norheim, Ole**; Makani, Julie; Bukhman, Gene. *Prioritizing health-sector interventions for noncommunicable diseases and injuries in low- and lower-middle income countries: national ndci poverty commissions*. Global Health: Science and Practice (GHSP) 2021; Volum 9.(3) s.626-639

Wang, Xin; Li, You; Deloria-Knoll, Maria; Madhi, Shabir A.; Cohen, Cheryl; Arguelles, Vina Lea; **Basnet, Sudha**; Bassat, Quique; Brooks, W Abdullah; Echavarría, Marcela; Fasce, Rodrigo A.; Gentile, Angela; Goshwami, Doli; Homaira, Nusrat; Howie, Stephen R.C.; Kotloff, Karen L.; Khuri-Bulos, Najwa; Krishnan, Anand; Lucero, Marilla G.; Lupisan, Socorro P.; Mathisen, Maria; McLean, Kenneth A; Mira-Iglesias, Ainara; Moraleda, Cinta; Okamoto, Michiko; Oshitani, Histoshi; O'Brien, Katherine L.; Owor, Betty E.; Rasmussen, Zeba; Rath, Barbara A.; Salimi, Vahid; Sawatwong, Pongpun; Scott, J. Anthony; Simões, Eric A F; Sotomayor, Viviana; Thea, Donald M; Treurnicht, Florette K; Yoshida, Lay-Myint; Zar, Heather J.; Campbell, Harry; Nair, Harish. *Global burden of acute lower respiratory infection associated with human parainfluenza virus in children younger than 5 years for 2018: a systematic review and meta-analysis*. The Lancet Global Health 2021; Volum 9.(8) s.e1077-e1087

Ali, Solomon; Misganaw, Awoke; Worku, Asnake; Destaw, Zelalem; Negash, Legesse; Bekele, Abebe; Briant, Paul Svitil; Johnson, Catherine O; Alam, Tahiya; Odell, Chris; Roth, Gregory A; Naghavi, Mohsen; Abate, Ebba; **Mirkuzie, Alemesh Hailemariam**. *The burden of cardiovascular diseases in Ethiopia from*



1990 to 2017: Evidence from the Global Burden of Disease Study. *International Health* 2021; Volum 13.(4) s.318-326

Areru, Hiwot Abera; Dangisso, Mesay Hailu; **Lindtjorn, Bernt**. *Low and unequal use of outpatient health services in public primary health care facilities in southern Ethiopia: a facility-based cross-sectional study*. *BMC Health Services Research* 2021; Volum 21.(776)

Bejene, Misrak Getnet; Zemedu, Theodros Getachew; Gebregiorgis, Azmach Hadush; **Ruano, Ana Lorena**; Bailey, Patricia E. *Cesarean delivery rates, hospital readiness and quality of clinical management in Ethiopia: national results from two cross-sectional emergency obstetric and newborn care assessments*. *BMC Pregnancy and Childbirth* 2021; Volum 21.(571)

Mulumba, Moses; **Ruano, Ana Lorena**; Perehudoff, Katrina; Ooms, Gorik. *Decolonizing health governance: A Uganda case study on the influence of political history on community participation*. *Health and Human Rights: An International Journal* 2021; Volum 23.(1) s. 259-271

**Ruano, A.L.**, D. Rodríguez, P. Gaitán Rossie & D. Maceira. *Understanding inequities in health and health systems in Latin America and the Caribbean: a thematic series*. *International Journal for Equity in Health*. 2021 (94):1-4

Villar Uribe, M, Escobar, M.L., **Ruano A.L.**, Lunes, R.F. *Realizing the right to health in Latin America, equitably*. *International Journal for Equity in Health*. 2021 Dec;20(1):1-6.

**Gondwe, Thandile; Robberstad, Bjarne**; Mukaka, Mavuto; Idro, Richard; Opoka, Robert; Banda, Saidon; **Kühl, Melf-Jakob**; Ter Kuile, Feiko O.; Blomberg, Bjørn; Phiri, Kamija S. *Adherence to community versus facility-based delivery of monthly malaria chemoprevention with dihydroartemisinin-piperaquine for the postdischarge management of severe anemia in Malawian children: A cluster randomized trial*. *PLOS ONE* 2021; Volum 16.(9) s.1-16

## HIV

Birungi, Nancy; Fadnes, Lars T.; **Engebretsen, Ingunn Marie Stadskleiv**; Tumwine, James Kashugyera; Åström, Anne-Kristine N. *The prevalence and socio-behavioural and clinical covariates of oral health related quality of life in Ugandan mothers with and without HIV-1*. *Health and Quality of Life Outcomes* 2021; Volum 19.(1) s.1-19

Jahagiridar, Deepa; Walters, Magdalene K; Novotney, Amanda; Brewer, Edmond D; Frank, Tahvi D; Carter, Austin; Biehl, Molly H.; Abbastabar, Hedayat; Abhilash, E.S.; Abu-Gharbieh, Eman; Abu-Raddad, Laith Jamal; Adekanmbi, Victor; Adeyinka, Daniel Adedayo; Adnani, Qorinah Estiningtyas Sakilah; Afzal, Saira; Aghababaei, Soodabeh; Ahinkorah, Bright O; Ahmad, Sajjad; Ahmadi, Keivan; Ahmadi, Sepideh; Ahmadpour, Ehsan; Ahmed, Muktar Beshir; Rashid, Tarik Ahmed; Salih, Yusra Ahmed; Akililu, Addis; Akram, Tayyaba; Akunna, Chisom Joyqueenet; Hamad, Hanadi Al; Alahdab, Fares; Alanezi, Fahad Mashhour; Aleksandrova, Ekatarina A.; Alene, Kefyalew Addis; Ali, Liqaat; Alipour, Vahid; Almustanyir, Sami; Alvis-Guzman, Nelson; Ameyaw, Edward Kwabena; Amu, Hubert; Andrei, Catalina Liliana; Andrei, Tudorel; Anvari, Davood; Arabloo, Jalal; Aremu, Olatunde; Arulappan, Judie; **Hassan, Shoaib**; Kisa, Adnan; Kisa, Sezer; Winkler, Andrea Sylvia; Hay, Simon I.; Murray, Christopher J L; Kyu, Hmwe H. *Global, regional, and national sex-specific burden and control of the HIV epidemic, 1990–2019, for 204 countries and territories: the Global Burden of Diseases Study 2019*. *The Lancet HIV* 2021; Volum 8.(10)

Monnin, Audrey; Desquiere-Dumas, Valérie; Meda, Nicolas; Goudenège, David; Bris, Céline; Kankasa, Chipepo; Singata-Madliki, Mandisa; **Tylleskär, Thorkild**; Procaccio, Vincent; Nagot, Nicolas; Van De Perre, Philippe; Reynier, Pascal; Molès, Jean-Pierre. *Mitochondrial dna instability is common in hiv-exposed uninfected newborns*. *Journal of Clinical Medicine* 2021; Volum 10.(11) s.1-11

Birungi, Nancy; Fadnes, Lars T.; **Engebretsen, Ingunn Marie Stadskleiv**; Tumwine, James K; Lie, Stein Atle; Åström, Anne-Kristine N. *Caries experience by socio-behavioural characteristics in HIV-1-infected and uninfected Ugandan mothers – a multilevel analysis*. *Acta Odontologica Scandinavica* 2021

Nagot, Nicolas; Singata-Madliki, Mandisa; Cournil, Amandine; Nalugya, Joyce; Tassemedo, Soleymane; Quillet, Catherine; Tonga, Melany W.; Tumwine, James K; Meda, Nicolas; Kankasa, Chipepo; Mwiya, Mwiya; Bangirana, Paul; Peries, Marianne; Baitting, Joanne; **Engebretsen, Ingunn Marie Stadskleiv; Tylleskär, Thorkild**; Van de Perre, Philippe; Ndeezi, Grace; Molès, Jean-Pierre. *Growth, clinical and neurodevelopmental outcomes at school age are similar for children who received 1-year lamivudine or lopinavir/ritonavir HIV prophylaxis in early life*. *Scientific Reports* 2021; Volum 11. s.1-10

**Mirkuzie, Alemnesh Hailemariam**; Ali, Solomon; Abate, Ebba; Worku, Asnake; Misganaw, Awoke. *Progress towards the 2020 fast track HIV/AIDS reduction targets across ages in Ethiopia as compared to neighboring countries using global burden of diseases 2017 data*. *BMC Public Health* 2021; Volum 21.

Van de Perre, Philippe; Goga, Ameena; Ngandu, Nobubelo; Nagot, Nicolas; Moodley, Dhayendre; King, Rachel; Molès, Jean-Pierre; Mosqueira, Beatriz; Chirinda, Witness; Scarlatti, Gabriella; **Tylleskär, Thorkild**; Dabis, François; Gray, Glenda. *Eliminating postnatal HIV transmission in high incidence areas: need for complementary biomedical interventions*. *The Lancet* 2021; Volum 397.(10281) s.1316-1324

Menecier, Anaïs; Kankasa, Chipepo; Fao, Paulin; Molès, Jean-Pierre; Eymard-Duvernay, Sabrina; Mwiya, Mwiya; Kania, Dramane; Chunda-Liyoka, Catherine; Sakana, Leticia; Rutagwera, David; Tassemedo, Souleymane; Wilfred-Tonga, Maria Melany; Mosqueira, Beatriz; **Tylleskär, Thorkild**; Nagot, Nicolas; Van De Perre, Philippe. *Design and challenges of a large HIV prevention clinical study on mother-to-child transmission: ANRS 12397 PROMISE-EPI study in Zambia and Burkina Faso*. *Contemporary Clinical Trials* 2021; Volum 105.

**Waruru, Anthony Kabui**; Wamicwe, Joyce; Mwangi, Jonathan; Achia, Thomas N. O.; Zielinski-Gutierrez, Emily; Ng'ang'a, Lucy; Miruka, Fredrick; Yegon, Peter; Kimanga, Davies; Tobias, James L.; Young, Peter W.; De Cock, Kevin M.; **Tylleskär, Thorkild**. *Where Are the Newly Diagnosed HIV Positives in Kenya? Time to Consider Geo-Spatially Guided Targeting at a Finer Scale to Reach the "First 90"*. *Frontiers In Public Health* 2021; Volum 9.

**Langat, Agnes**; Callahan, Tegan L; Yonga, Isabella; Ochanda, Boniface; **Waruru, Anthony**; Ng'anga, Lucy W; Katana, Abraham; Onyango, Brian; Singa, Benson; Oyule, Stephen; Githuka, George; Omoto, Lennah; Muli, Jane; **Tylleskär, Thorkild**; Modi, Surbhi. *Associations of Sociodemographic and Clinical Factors with Late Presentation for Early Infant HIV Diagnosis (EID) Services in Kenya*. *International Journal of MCH and AIDS* 2021; Volum 10.(2) s.210-220

Goga, Ameena; Van de Perre, Philippe; Ngandu, Nobubelo; Nagot, Nicolas; Abrams, Elaine J; Moodley, Dhayendre; King, Rachel; Molès, Jean-Pierre; Chirinda, Witness; Scarlatti, Gabriella; **Tylleskär, Thorkild**; Sherman, Gayle G; Pillay, Yogan; Dabis, François; Gray, Glenda. *Eliminating HIV transmission through breast milk from women taking antiretroviral drugs*. *The BMJ* 2021

Monnin, Audrey; Vizeux, Amélie; Nagot, Nicolas; Eymard-Duvernay, Sabrina; Meda, Nicolas; Singata-Madliki, Mandisa; Ndeezi, Grace; Tumwine, James K; Kankasa, Chipepo; Goga, Ameena; **Tylleskär, Thorkild**; Van de Perre, Philippe; Molès, Jean-Pierre. *Longitudinal Follow-Up of Blood Telomere Length in HIV-Exposed Uninfected Children Having Received One Year of Lopinavir/Ritonavir or Lamivudine as Prophylaxis*. *Children* 2021; Volum 8.(9) s.796

Tukei, Vincent; Hoffman, Heather J.; Greenberg, Lauren; Thabelo, Ramatlapeng; Nchephe, Masepeli; Mots'oane, Tsietsi; Masitha, Matseliso; Chabela, Mammalti; Mokone, Majoalane; Mofenson, Lynne; Guay, Laura; **Tiam, Appolinaire**. *Adverse Pregnancy Outcomes among HIV-positive Women in the Era of Universal Antiretroviral Therapy Remain Elevated Compared with HIV-negative Women*. *The Pediatric Infectious Disease Journal* 2021 s.821-826

## Mental health

Akselberg, Silje Martine; Nalugya, Joyce; Babirye, Juliet Ndimwibo; **Engebretsen, Ingunn Marie Stadskleiv**; Skokauskas, Norbert. *Child and adolescent mental health services in Uganda*. *International Journal of Mental Health Systems* 2021; Volum 15. s.1-12

**Rasheed, Muneera Abdul**; Bharuchi, Vardah; Mughis, Waliyah; Hussain, Ayesha. *Development and feasibility testing of a play-based psychosocial intervention for reduced patient stress in a pediatric care setting: experiences from Pakistan*. *BMC Pilot and Feasibility Studies* 2021; Volum 7.(1)

## Mother and child health

**Shreshtha, Sanjaya Kumar; Shrestha, Jasmin**; Andreassen, Åshild Kristine; **Strand, Tor A**; Dudman, Susanne Gjeruldsen; Dembinski, Jennifer Lynn. *Genetic diversity of astrovirus in children from a birth cohort in Nepal*. *Frontiers in Microbiology* 2021; Volum 11. s.1-9

Arach, Agnes Anna; Tumwine, James K.; Nakasujja, Noeline; Ndeezi, Grace; Kiguli, Juliet; Mukunya, David; **Odongkara, Beatrice**; Achora, Vincintina; **Tongun, Justin Bruno**; Musaba, Milton W.; **Napyo, Agnes Kasede; Tylleskär, Thorkild; Nankabirwa, Victoria**. *Perinatal death in Northern Uganda: incidence and risk factors in a community-based prospective cohort study*. *Global health action* 2021; Volum 14.(1) s.1-8

**Gondwe, Thandile;** Calis, Job; van Hensbroek, Michael Boele; Bates, Imelda; Blomberg, Björn; Phiri, Kamija S. *A cohort analysis of survival and outcomes in severely anaemic children with moderate to severe acute malnutrition in Malawi.* PLOS ONE 2021; Volum 16:e0246267.(2) s.1-11

Farooq, Ammara; Sheikh, Taimur Khalil; Syed, Fibhaa; **Mustafa, Tehmina.** *Paediatric Contacts of Adult COVID-19 Patients: Clinical Parameters, Risk Factors, and Outcome.* International Journal of Pediatrics 2021; Volum 2021.

Orsango, Alemselem Zebdewos; Habtu, Wossene; Lejisa, Tadesse; **Loha, Eskindir; Lindtjorn, Bernt; Engebretsen, Ingunn Marie Stadskleiv.** *Iron deficiency anemia among children aged 2–5 years in southern Ethiopia: A community-based cross-sectional study.* PeerJ 2021 s.1-19

Perumal, Nandita; Manji, Karim P.; Darling, Anne Marie; Kisenge, Rodrick R.; Kvestad, Ingrid; Hysing, Mari; Belinger, David C.; Urassa, Willy; **Strand, Tor A.**; Duggan, Christopher P.; Fawzi, Wafaia W.; Sudfeld, Christopher R. *Gestational Age, Birth Weight, and Neurocognitive Development in Adolescents in Tanzania.* Journal of Pediatrics 2021; Volum 236. s.194-203.e6

**Upadhyay, Ravi Prakash;** Taneja, Sunita; Ranjithkar, Suman; Mazumder, Sarmila; Bhandari, Nita; Dua, Tarun; Shrestha, Laxman; **Strand, Tor A.** *Factors determining cognitive, motor and language scores in low birth weight infants from North India.* PLOS ONE 2021; Volum 16.(5)

Zenebe, Mengistu Hailemariam; Mekonnen, Zeleke; **Loha, Eskindir;** Padalko, Elizaveta. *Prevalence, risk factors and association with delivery outcome of curable sexually transmitted infections among pregnant women in Southern Ethiopia.* PLOS ONE 2021; Volum 16.(3)

**Pervin, Jesmin;** Sarker, Bidhan Krishna; Nu, U. Tin; Khatun, Fatema; Rahman, A. M. Quaiyum; **Venkateswaran, Mahima;** Rahman, Anisur; **Frøen, Jahn Frederik;** Friberg, Ingrid Kristina. *Developing targeted client communication messages to pregnant women in Bangladesh: a qualitative study.* BMC Public Health 2021; Volum 21.

Rød, Marte Bodil; **Engebretsen, Ingunn Marie Stadskleiv;** Mangeni, Robert. *Neonatal care practices in Buikwe District, Uganda: a qualitative study.* BMC Pregnancy and Childbirth 2021; Volum 21.

Carlsen, Oda Cecilie; Gudmundsdóttir, Hrefna Katrín; Bains, Karen Eline Stensby; Bertelsen, Randi Jacobsen; Carlsen, Karin C. Lødrup; Carlsen, Kai-Håkon; Endre, Kim Magnus Advocaat; Granum, Berit; Haugen, Guttorm; Hedlin, Gunilla; Jonassen, Christine M; Kreyberg, Ina; Landrø, Linn Aina Ysland; Olsson, Caroline-Aleks; Nordlund, Björn; Nordhagen, Live Solveig; Pehrson, Kristian; Schinagl, Carina Madelen; Sjøberg, Katrine Dønvold; Skjerven, Håvard Ove; Staff, Anne Cathrine; **Svanes, Cecilie;** Söderhall, Cilla; Vettukattil, Muhammad Riyas; Værnesbranden, Caren Magdalena Rydland; Wiik, Johanna; Rehbinder, Eva Maria. *Physical activity in pregnancy: a Norwegian-Swedish mother-child birth cohort study.* AJOG Global Reports 2021; Volum 1.(1)

Montoya-Ferrer, Ana; Sanosyan, Armen; Fayd'Herbe De Maudave, Alexis; Pisoni, Amandine; Bollere, Karine; Molès, Jean-Pierre; Peries, Marianne; **Tylleskär, Thorkild;** Tumwine, James K.; Ndeezi, Grace; Gorgolas, Miguel; Nagot, Nicolas; Van De Perre, Philippe; Tuailon, Edouard. *Clinical and Biological Factors Associated with Early Epstein-Barr Virus Infection in Human Immunodeficiency Virus-Exposed Uninfected Infants in Eastern Uganda.* Clinical Infectious Diseases 2021; Volum 72.(6) s.1026-1032

**Rasheed, Muneera Abdul;** Mughis, Waliyah; Niaz, Maira; Hasan, Babar S. *Do parental stimulation practices modify the effect of child's health status on early developmental risk? Findings from a hospitalized cohort.* Early Child Development and Care 2021

Sinha, Bireshwar; **Sommerfelt, Halvor;** Ashorn, Per; Mazumder, Sarmila; Taneja, Sunita; More, Deepak; Bahl, Rajiv; Bhandari, Nita. *Effect of Community-Initiated Kangaroo Mother Care on Postpartum Depressive Symptoms and Stress among Mothers of Low-Birth-Weight Infants: A Randomized Clinical Trial.* JAMA Network Open 2021; Volum 4.(4) s.1-12

**Tumhamye, Josephine; Steinsland, Hans;** Bwanga, Freddie; Tumwine, James K.; Ndeezi, Grace; Mukunya, David; **Namugga, Olive; Napyo, Agnes Kasede;** **Sommerfelt, Halvor; Nankabirwa, Victoria.** *Vaginal colonization with antimicrobial-resistant bacteria among women in labor in central Uganda: prevalence and associated factors.* Antimicrobial Resistance and Infection Control 2021; Volum 10.

**Skylstad, Vilde;** Aber, Harriet; Bakken, Victoria; Dierkes, Jutta; Akselberg, Silje Martine; Kisaakye, Esther; **Kühl, Melf-Jakob;** Nalugya, Joyce; Rayamajhi, Divya; Sebuwufu, Deogratious; Skar, Ane-Marthe Solheim; Skokauskas, Norbert; Valeckaitė, Neda; Wamani, Henry; **Engebretsen, Ingunn Marie Stadskleiv;** Babiryė, Juliet Ndimwibo. *Child alcohol use disorder in Eastern Uganda: Screening, diagnostics, risk factors and management of children drinking alcohol in Uganda (TREAT C-AUD): A mixed-methods research protocol.* BMJ Paediatrics Open 2021; Volum 5.(1) s.1-8

Musaba, Milton W.; Wandabwa, Julius N.; Ndeezi, Grace; Weeks, Andrew D.; Mukunya, David; Waako, Paul; **Nankabirwa, Victoria;** Mugabe, Kenneth Tulyamuhika; Semakula, Daniel; Tumwine, James K.; Barageine, Justus K. *Effect of pre-operative bicarbonate infusion on maternal and perinatal outcomes among women with obstructed labour in Mbale hospital: A double blind randomized controlled trial.* PLOS ONE 2021; Volum 16.(2) s.1-15

Helldén, Daniel; **Höök, Susanna Myrneris;** Pejovic, Nicolas; McLellan, Dan; Lubulwa, Clare; **Tylleskär, Thorkild;** Alfvén, Tobias. *Neonatal resuscitation practices in Uganda: A video observational study.* BMJ Paediatrics Open 2021; Volum 5.(1)

Kinyoki, Damaris K.; Osgood-Zimmerman, Aaron E.; Bhattacharjee, Natalia V.; Schaeffer, Lauren E.; Lazzar-Atwood, Alice; Lu, Dan; Ewald, Samuel B.; Donkers, Katie M.; Letourneau, Ian D.; Collison, Michael L.; Schipp, Megan F.; Abajobir, Amanuel Alemu; Abbasi, Sima; Abbasi, Nooshin; Abbasifard, Mitra; Abbasi-Kangevari, Mohsen; Abbastabar, Hedayat; Abd-Allah, Foad; Abdelalim, Ahmed; Abd-Elsalam, Sherief; Abdoli, Amir; Abdollahpour, Ibrahim; Abedi, Aidin; Abolhassani, Hassan; Abraham, Bijou; Abreu, Lucas Guimaraes; Abrigo, Michael R.M.; Abualhasan, Ahmed; Abu-Gharbieh, Eman; Abushouk, Abdelrahman I.; Accrombessi, Manfred Mario Kokou; Adabi, Maryam; Adebayo, Oladimeji M.; Adegbosin, Adeyinka Emmanuel; Adekanmbi, Victor; Adetokunboh, Olatunji O.; Adeyinka, Daniel Adedayo; Adham, Davoud; Advani, Shailesh M.; Agasthi, Pradyumna; Aghaali, Mohammad; Ahmad, Sohail; Ahmad, Tauseef; Ahmadi, Keivan; **Hassan, Shoab;** Kisa, Adnan; Kisa, Sezer; Yitayew, Teferi Mekonnen; Kassebaum, Nicholas J.; Hay, Simon I. *Anemia prevalence in women of reproductive age in low- and middle-income countries between 2000 and 2018.* Nature Medicine 2021; Volum 27. s.1761-1782

**Pervin, Jesmin; Venkateswaran, Mahima;** Nu, U. Tin; Rahman, Monjur; O'Donnell, Brian F.; Friberg, Ingrid Kristina; Rahman, Anisur; **Frøen, J. Frederik.** *Determinants of utilization of antenatal and delivery care at the community level in rural Bangladesh.* PLOS ONE 2021; Volum 16.(9)

Dinage, Mehretu Belayneh; **Loha, Eskindir; Lindtjorn, Bernt.** *Spatial variation of child stunting and maternal malnutrition after controlling for known risk factors in a drought-prone rural community in Southern Ethiopia.* Annals of Global Health 2021; Volum 87.(1) s.1-14

Okitundu Luwa, Daniel; Essam, Brigitte Imbula; Ayanne, MarieThérèse Sombo; Omba, Ally Ndjukendi; Djamba, Franck Otete; Kalula, Tharcisse Kayembe; Mbuyi, Timothée Kamanga; Guedeney, Antoine; **Kashala-Abotnes, Espérance.** *Sustained social withdrawal behavior and 'difficult' temperament among infants, in relation to maternal affectivity in a low-income area of Kinshasa, Democratic Republic of Congo.* European Child and Adolescent Psychiatry 2021

Zenebe, Mengistu Hailemariam; Mekonnen, Zeleke; **Loha, Eskindir;** Padalko, Elizaveta. *Seroprevalence and associated factors of maternal cytomegalovirus in Southern Ethiopia: A cross-sectional study.* BMJ Open 2021; Volum 11.(10) s.1-9

Ampim, Gloria Abena; **Blystad, Astrid;** Kpoor, Albert; Haukanes, Haldis. *"I came to escort someone": Men's experiences of antenatal care services in Urban Ghana. A qualitative study.* Reproductive Health 2021; Volum 18.

**Shrestha, Jasmin; Shrestha, Sanjaya; Strand, Tor A.;** Dudman, Susanne Gjeruldsen; Dembinski, Jennifer Lynn; Vikse, Rose; Andreassen, Åshild Kristine. *Diversity of rotavirus strains in children; Results from a community-based study in Nepal.* Frontiers in medicine 2021; Volum 8:712326. s.1-9

**Svanes, Cecilie;** Bertelsen, Randi Jacobsen; Accordini, Simone; Holloway, John W.; Juliussen, Pétur Benedikt; Boateng, Eistine; Krauss-Etchmann, Susanne; Schlünssen, Vivi; Real, Francisco Gomez; Skulstad, Svein Magne. *Exposures during the prepregnancy period and future offspring's health: evidence from human cohort studies.* Biology of Reproduction 2021; Volum 105.(3) s.667-680

**Pejovic, Nicolas;** Cavallin, Francesco; Mpamize, Allan; Lubulwa, Clare; **Höök, Susanna Myrneris;** Byamugisha, Josaphat; Nankunda, Jolly; **Tylleskär, Thorkild;** Trevisanuto, Daniele. *Respiratory monitoring during neonatal resuscitation using a supraglottic airway device vs. a face mask.* Resuscitation 2021; Volum 171. s.107-113

**Napyo, Agnes Kasede;** Tylleskär, Thorkild; Mukunya, David; **Tumuhamye, Josephine;** Ndeezi, Grace; Arach, Anna Agnes Ojok; Waako, Paul; Tumwine, James K. *Incidence of home delivery among women living with HIV in Lira, Northern Uganda: a prospective cohort study.* BMC Pregnancy and Childbirth 2021; Volum 21.(1)

Shrestha, Suchita; Chapagain, Ram Hari; Purakayastha, Debjani Ram; Basnet, Srijana; Wadhwa, Nitya; **Strand, Tor A.; Basnet, Sudha.** *Assessment of hospitalization costs and its determinants in infants with clinical severe infection at a public tertiary hospital in Nepal.* PLOS ONE 2021; Volum 16.(11) s.1-12

Wang, Dongqing; **Schwinger, Catherine;** Urassa, Willy; Berhane, Yemane; **Strand, Tor A.;** Fawzi, Wafaie. *Comparing Attained Weight and Weight Velocity during the First 6 Months in Predicting Child Undernutrition and Mortality.* Journal of Nutrition 2021

Rød, Marte Bodil; **Engebretsen, Ingunn Marie Stadskleiv;** Robert, Mangeni; Namata, Irene. *Women's experiences of maternal and newborn health care services and support systems in Buikwe District, Uganda: A qualitative study.* PLOS ONE 2021; Volum 16. (12) s.1-14

Orsango, Alemselem Zebdewos; **Loha, Eskindir; Lindtjorn, Bernt; Engebretsen, Ingunn Marie Stadskleiv.** *Co-morbid anaemia and stunting among children 2–5 years old in southern Ethiopia: a community-based cross-sectional study.* BMJ Paediatrics Open 2021; Volum 5.(1) s.1-9

Chowdhury, Ranadip; Sanger, Nitika; **Choudhary, Tarun Shankar;** Taneja, Sunita; **Martines, Jose Carlos;** Bhandari, Nita; Bahl, Rajiv. *Diagnostic measures for severe acute malnutrition in Indian infants under 6 months of age: a secondary data analysis.* BMC Pediatrics 2021; Volum 21.(1)

Rees, Chris A.; Hooli, Shubhada; King, Carina; McCollum, Eric D.; Colbourn, Tim; Lufesi, Norman; Mwansambo, Charles; Lazzerini, Marzia; Madhi, Shabir A.; Cutland, Clare; Nunes, Marta; Gessner, Bradford D.; **Basnet, Sudha;** Kartasasmita, Cissy B.; Mathew, Joseph L.; Zaman, Syed Mohammad Akram Uz; Paranhos-Baccalà, Gláucia; Bhatnagar, Shinjini; Wadhwa, Nitya; Lodha, Rakesh; Aneja, Satinder; Santosham, Mathuram; Picot, Valentina Sanchez; Sylla, Mariam; Awasthi, Shally; Bavdekar, Ashish; Pape, Jean-William; Rouzier, Vanessa; Chou, Monidarini; Rakoto-Andrianarivelo, Mala; Wang, Jianwei; Nymadawa, Pagbajabyn; Vanhems, Philippe; Russomando, Graciela; Asghar, Rai; Banajeh, Salem; Iqbal, Imran; MacLeod, William; Maulen-Radovan, Irene; Mino, Greta; Saha, Samir; Singhi, Sunit; Thea, Donald M; Clara, Alexey W.; Campbell, Harry; Nair, Harish; Falconer, Jennifer; Williams, Linda J.; Horne, Margaret; **Strand, Tor A.;** Qazi, Shamim A.; Nisar, Yasir B.; Neuman, Mark I. *External validation of the RISC, RISC-Malawi, and PERCH clinical prediction rules to identify risk of death in children hospitalized with pneumonia.* Journal of Global Health 2021; Volum 11. s.04062

Brandenberger, Julia; Pohl, Christian; Vogt, Florian; **Tylleskär, Thorkild;** Ritz, Nicole. *Health care provided to recent asylum-seeking and non-asylum-seeking pediatric patients in 2016 and 2017 at a Swiss tertiary hospital – a retrospective study.* BMC Public Health 2021; Volum 21.(1)

Mukunya, David; Tumwine, James K.; Nankabirwa, Victoria; **Odongkara, Beatrice; Tongun, Justin Bruno;** Arach, Agnes Anna; **Tumuhamye, Josephine;** **Napyo, Agnes;** Zalwango, Vivian; Achora, Vincentina; Musaba, Milton W.; Ndeezi, Grace; **Tylleskär, Thorkild.** *Neonatal hypothermia in northern Uganda: A community-based cross-sectional study.* BMJ Open 2021; Volum 11.(2)

Amare, Hiwot Hailu; **Lindtjorn, Bernt.** *Concurrent anemia and stunting among schoolchildren in Wonago district in southern Ethiopia: A cross-sectional multilevel analysis.* PeerJ 2021; Volum 9.

**Tylleskär, Thorkild;** Cavallin, Francesco; **Höök, Susanna Myrneris; Pejovic, Nicolas;** Lubulwa, Clare; Byamugisha, Josaphat; Nankunda, Jolly; Trevisanuto, Daniele. *Outcome of infants with 10 min Apgar scores of 0-1 in a low-resource setting.* Archives of Disease in Childhood: Fetal and Neonatal Edition 2021

**Balikuddembe, Michael;** Wakholi, Peter Khisa; Tumwesigye, Nazarius M.; **Tylleskär, Thorkild.** *An Algorithm (LaD) for Monitoring Childbirth in Settings Where Tracking All Parameters in the World Health Organization Partograph Is Not Feasible: Design and Expert Validation.* JMIR Medical Informatics 2021; Volum 9.(5)

Gladstone, Melissa; Lancaster, Gillian; McCray, Gareth; Cavallera, Vanessa; Alves, Claudia R. L.; Maliwichi, Limbika; **Rasheed, Muneera Abdul;** Dua, Tarun; Janus, Magdalena; Kariger, Patricia. *Validation of the infant and young child development (lycd) indicators in three countries: Brazil, Malawi and Pakistan.* International Journal of Environmental Research and Public Health (IJERPH) 2021; Volum 18.(11)

Gari, Taye; Solomon, Tarekegn; **Lindtjorn, Bernt.** *Older children are at increased risk of Plasmodium vivax in south-central Ethiopia: a cohort study.* Malaria Journal 2021; Volum 20.(251)

Nasrin, Dilruba; Blackwelder, William C.; **Sommerfelt, Halvor;** Wu, Yukun; Farag, Tamer H.; Panchalingam, Sandra; Biswas, Kousick; Saha, Debasish; Jahangir Hossain, Hossain; Sow, Samba O.; Reiman, Robert F B; Sur, Dipika; Faruque, Abu Syed Golam; Zaidi, Anita K M; Sanogo, Doh; Tamboura, Boubou; Onwuchekwa, Uma; Manna, Byomkesh; Ramamurthy, Thandavarayan; Kanungo, Suman; Omore, Richard; Ochieng, John B.; Oundo, Joseph O.; Das, Sumon K.; Ahmed, Shahawaz; Qureshi, Shahida; Quadri, Farheen; Adegbola, Richard A.; Antonio, Martin; Mandomando, Inacio; Nhampossa, Tacilla; Bassat, Quique; Roose, Anna; O'Reilly, Ciara E.; Mintz, Eric D.; Ramakrishnan, Usha; Powell, Helen; Liang, Yuanyan; Nataro, James Paul; Levine, Myron M.; Kotloff, Karen L. *Pathogens Associated With Linear Growth Faltering in Children With Diarrhea and Impact of Antibiotic Treatment: The Global Enteric Multicenter Study.* Journal of Infectious Diseases 2021; Volum 224.(Suppl\_7) s.S848-S855

Mwangi, Martin N; Mzembe, Glory; Moya, Ernest; Braat, Sabine; Harding, Rebecca; **Robberstad, Bjarne;** Simpson, Julie; Stones, William; Rogerson, Stephen; Biselele, Kabeya; Chinkhumba, Jobiba Joe Henderson; Larson, Leila; Ataide, Ricardo; Phiri, Kamiya S.; Pasricha, Sant-Rayn. *Protocol for a multicentre, parallel-group, open-label randomised controlled trial comparing ferric carboxymaltose with the standard of care in anaemic Malawian pregnant women: the REVAMP trial.* BMJ Open 2021; Volum 11.(11)

**Bungudo, Binyam Bogale;** Blom-Bakke, Kjersti Mørkrid; O'Donnell, Brian; Ghanem, Buthaina; Abu Ward, Itimad; Abu Khader, Khadija; Isbeih, Mervett; Frost, Michael James; Baniode, Mohammad; Hijaz, Taghreed; Awwad, Tamara; Rabah, Yousef; **Frøen, John Frederik.** *Development of a targeted client communication intervention for pregnant and post-partum women: a descriptive study.* The Lancet 2021; Volum 398. s.S18

Svege, Sarah; **Gondwe, Thandile;** Lange, Siri. *"Satanism is witchcraft's younger sibling": Changing perceptions of natural and supernatural anaemia causality in Malawian children.* PLOS ONE 2021; Volum 16.(4)

Taye, G., Ruano, A.L., Bailey, P.E., Tadele, T., Andualem, W., Berhem, A., Bekele, A. *Availability and distribution of human resources for emergency obstetric care services in Ethiopia.* Ethiopian Journal of public health and nutrition. 2021 Jan 29;4(2):110-7.

## Nutrition

Mølmen, Knut Sindre; Hammarström, Jens Konrad Daniel; Pedersen, Karianne; Lie, Anne Cecilie Lian; Steile, Ragnvald B.; Nygård, Håvard; Khan, Yusuf; Hamarsland, Håvard; Koll, Lise; Hanestadhaugen, Marita; Eriksen, Atle Lie; Grindaker, Eirik; Whist, Jon Elling; Buck, Daniel; Ahmad, Rafi; **Strand, Tor A.;** Rønnestad, Bent R.; Ellefsen, Stian. *Vitamin D3 supplementation does not enhance the effects of resistance training in older adults.* Journal of Cachexia, Sarcopenia and Muscle 2021; Volum 12.(3) s.599-628 UiB

Kvestad, Ingrid; McCann, Adrian; Chandyo, Ram K.; Melvær, Giil Lasse; Shrestha, Merina; Chandyo, **Manjeshwori Ulak;** Hysing, Mari; Ueland, Per Magne; **Strand, Tor A.** *One-Carbon Metabolism in Nepalese Infant-Mother Pairs and Child Cognition at 5 Years Old.* Journal of Nutrition 2021; Volum 151.(4) s.883-891

**Bakken, Kjersti Sletten; Aarsland, Tonje Eiane;** Grouff-Jacobsen, Synne; **Solvik, Beate Stokke;** Gjengedal, Elin Lovise Folven; Henjum, Sigrun; **Strand, Tor A.** *Adequate urinary iodine concentration among infants in the inland area of Norway.* Nutrients 2021; Volum 13.(6)

Mbunga, Branly Kilola; Mapatano, Mala Ali; **Strand, Tor A.;** Gjengedal, Elin Lovise Folven; Akilimali, Pierre Zalagile; Engebretsen, **Ingunn Marie Stadskleiv.** *Prevalence of anemia, iron-deficiency anemia, and associated factors among children aged 1–5 years in the rural, malaria-endemic setting of Popokabaka, Democratic Republic of Congo: A cross-sectional study.* Nutrients 2021; Volum 13.(3)

**Schwinger, Catherine;** Sharma, Shakun; Chandyo, Ram K.; Hysing, Mari; Kvestad, Ingrid; **Chandyo, Manjeshwori Ulak;** Ranjitkar, Suman; Shrestha, Merina; Shrestha, Laxman; McCann, Adrian; Ueland, Per Magne; **Strand, Tor A.** *Cobalamin and folate status in women during early pregnancy in Bhaktapur, Nepal.* Journal of Nutritional Science (JNS) 2021; Volum 10.(e57)

Kaldenbach, Siri; **Strand, Tor A.;** **Solvik, Beate Stokke;** Holten-Andersen, Mads Nikolaj. *Social determinants and changes in energy drink consumption among adolescents in Norway, 2017-2019: a cross-sectional study.* BMJ Open 2021; Volum 11.

Satato, Debritu Nane; **Hatloy, Anne; Lindtjorn, Bernt**. *A local-ingredients-based supplement is an alternative to corn-soy blends plus for treating moderate acute malnutrition among children aged 6 to 59 months: A randomized controlled non-inferiority trial in Wolaita, Southern Ethiopia*. PLOS ONE 2021; Volum 16.(10) s.1-18

**Næss, Synnøve**; Markhus, Maria Wik; **Strand, Tor A.**; Kjellelvold, Marian; Dahl, Lisbeth; Stokland, Ann-Elin Meling; Nedrebø, Bjørn Gunnar; Aakre, Inger. *Iodine nutrition and iodine supplement initiation in association with thyroid function in mildly-to-moderately iodine-deficient pregnant and postpartum women*. Journal of Nutrition 2021; Volum 151.(10) s.3187-3196 Uib

Kaldenbach, Siri; **Engebretsen, Ingunn Marie Stadsleiv**; Haskins, Lyn; Conolly, Catherine; Horwood, Christiane. *Infant feeding, growth monitoring and the double burden of malnutrition among children aged 6 months and their mothers in KwaZulu-Natal, South Africa*. Maternal & Child Nutrition 2021; Volum 18.(1)

Hysing, Mari; **Strand, Tor A.**; Chandyo, Ram K; **Chandyo, Manjeshwori Ulak**; Ranjitkar, Suman; **Schwinger, Catherine**; Shrestha, Merina; Kvestad, Ingrid. *The effect of vitamin B12-supplementation on actigraphy measured sleep pattern; a randomized control trial*. Clinical Nutrition 2021; Volum 41.(2)

Bysheim, Olivia; Vogt, Elinor Margrethe Chelsson; **Engebretsen, Ingunn Marie Stadsleiv**; Naufal Kassim, Mohammed; Storaas, Torgeir; Rosendahl-Riise, Hanne. *Iodine status in women attending Mnazi Mmoja Hospital in Zanzibar: a matched case-control study*. BMJ Nutrition, Prevention and Health 2021; Volum 4. (e000259) s.243-250

Chen, Chen; **Kashala-Abotnes, Espérance**; Banea Mayambu, Jean-Pierre; Mumba Ngoyi, Dieudonne; Tshala-Katumbay, Désiré; Mukeba, Daniel; Kunyu, Marcel; Boivin, Michael J.; Wu, Felicia. *Cost-effectiveness of a wetting method intervention to reduce cassava cyanide-related cognitive impairment in children*. Nature Food 2021; Volum 2.(7) s.469-472

**Solvik, Beate Stokke**; Øyen, Jannike; Kvestad, Ingrid; Markhus, Maria Wik; Ueland, Per Magne; McCann, Adrian; **Strand, Tor A.** *Biomarkers and Fatty Fish Intake: A Randomized Controlled Trial in Norwegian Preschool Children*. Journal of Nutrition 2021; Volum 151.(8) s.2134-2141

Bodin, Johanna Eva; Thorstensen, Tage; Alsheikh, Muath K; Basic, Dean; Edvardsen, Rolf Brudvik; Dalen, Knut Tomas; Duale, Nur; Eklo, Ole Martin; Ergon, Åshild Gunilla; Jevnaker, Anne-Marthe Ganes; Hindar, Kjetil; Håvarstein, Leiv Sigve; Malmstrøm, Martin; Nielsen, Kaare Magne; Olsen, Siri Lie; Ruess, Eli Knispel; Sanden, Monica; Sipilinen, Ville Erling; von Krogh, Kristine; Våge, Dag Inge; Wargelius, Anna; Wendell, Per Hans Micael; Yazdankhah, Siamak Pour; Alexander, Jan; Bruzell, Ellen Merete; Hemre, Gro Ingunn; Vandvik, Vigdis; Agdestein, Angelika; Elvevoll, Edel O.; Hessen, Dag Olav; Hofshagen, Merete; Husøy, Trine; Knutsen, Helle Katrine; Krogdahl, Åshild; Nilsen, Asbjørn Magne; Rafoss, Trond; Skjerdal, Olaug Taran; Steffensen, Inger-Lise Karin; **Strand, Tor A.**; Velle, Gaute; Wasteson, Yngvild. *Genome editing in food and feed production – implications for risk assessment*. Scientific Opinion of the Scientific Steering Committee of the Norwegian Scientific Committee for Food and Environment. VKM Report 2021; Volum 2021. (18)

## Occupational and environmental health

Waage, Siri; Pallesen, Ståle; **Moen, Bente Elisabeth**; Vedaa, Øystein; Thun, Eirunn; Buchvold, Hogue 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

Meki, Chisala D.; Bråtevit, Magne; Michelo, Charles; **Moen, Bente Elisabeth**. *Poor provision of sanitary facilities in markets of Lusaka district Zambia*. Annals of Global Health 2021; Volum 87.(1) s.1-14

Bråtevit, 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; Bråtevit, 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; Bråtevit, 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)

Johansson, Henrik; **Johannessen, Ane**; Holm, Mathias; Forsberg, Bertil; Schlünssen, Vivi; Jögi, Rain; Clausen, Michael; Lindberg, Eva; Malinovsky, Andrei; Emilsson, Össur Ingi. *Prevalence, progression and impact of chronic cough on employment in Northern Europe*. European Respiratory Journal 2021; Volum 57.(6)

## Respiratory health and Allergies

**Kuiper, Ingrid Nordeide; Svanes, Cecilie**; Markevych, Iana; Accordini, Simone; Bertelsen, Randi Jacobsen; Bråbäck, Lennart; Christensen, Jesper Heile; Forsberg, Bertil; Halvorsen, Thomas; Heinrich, Joachim; Hertel, Ole; Hoek, Gerard; Holm, Mathias; De Hoogh, Kees; Janson, Christer; Malinovsky, Andrei; Marcon, Alessandro; Nilsen, Roy Miodini; Sigsgaard, Torben; **Johannessen, Ane**. *Lifelong exposure to air pollution and greenness in relation to asthma, rhinitis and lung function in adulthood*. Environment International 2021; Volum 146.

Wang, Juan; Janson, Christer; Jögi, Rain; Forsberg, Bertil; Gislason, Þórarinn; Holm, Mathias; Torén, Kjell; Malinovsky, Andrei; Sigsgaard, Torben; Schlünssen, Vivi; **Svanes, Cecilie; Johannessen, Ane**; Bertelsen, Randi Jacobsen; Franklin, Karl A.; Norbäck, Dan. *A prospective study on the role of smoking, environmental tobacco smoke, indoor painting and living in old or new buildings on asthma, rhinitis and respiratory symptoms*. Environmental Research 2021; Volum 192:110269. s.1-10

Vårenth, Maria; Janson, Christer; Bengtsson, Caroline; Hellgren, Johan; Holm, Mathias; Schlünssen, Vivi; **Johannessen, Ane**; Franklin, Karl A.; Storaas, Torgeir; Jögi, Rain; Gislason, Þórarinn; Lindberg, Eva. *Nasal symptoms increase the risk of snoring and snoring increases the risk of nasal symptoms. A longitudinal population study*. Sleep and Breathing 2021

**Vijayakumar, Varun Kumar; Mustafa, Tehmina**; Nore, Bjarte Kjell; Garatun-Tjeldstø, Kjell Yngvar; Næss, Øystein; Johansen, Odd Erik; Aarli, Bernt Bøgvold. *Role of a Digital Clinical Decision-Support System in General Practitioners' Management of COPD in Norway*. The International Journal of Chronic Obstructive Pulmonary Disease 2021

Pape, Kathrine; Cowell, Whitney; Seibæk, Camilla Sandal; Andersson, Niklas Worm; **Svanes, Cecilie**; Kalstad, Henrik A.; Liu, Xiaoqin; Hougaard, Karin Sørig; Wright, Rosalind J.; Schlünssen, Vivi. *Adverse childhood experiences and asthma: Trajectories in a national cohort*. Thorax 2021; Volum 76.(6) s.547-553

Marcon, Alessandro; Locatelli, Francesca; Dharmage, Shyamali C.; **Svanes, Cecilie**; Heinrich, Joachim; Leynaert, Bénédicte; Burney, Peter; Corsico, Angelo; Caliskan, Gulser; Calciano, Lucia; Gislason, Þórarinn; Janson, Christer; Jarvis, Deborah; Jögi, Rain; Lytras, Theodore; Malinovsky, Andrei; Probst-Hensch, Nicole; Toren, Kjell; Casas, Lidia; Verlato, Giuseppe; Garcia-Aymerich, Judith; Accordini, Simone. *The coexistence of asthma and COPD: risk factors, clinical history and lung function trajectories*. European Respiratory Journal 2021; Volum 58.(5)

Accordini, Simone; Calciano, Lucia; **Johannessen, Ane**; Benediktsdóttir, Bryndis; Bertelsen, Randi Jacobsen; Bråbäck, Lennart; Dharmage, Shyamali C.; Forsberg, Bertil; Real, Francisco Gomez; Holloway, John W.; Holm, Mathias; Janson, Christer; Jögi, Nils O.; Jögi, Rain; Malinovsky, Andrei; Marcon, Alessandro; Martínez-Moratalla Rovira, Jesús; Sánchez-Ramos, José Luis; Schlünssen, Vivi; Torén, Kjell; Jarvis, Deborah; **Svanes, Cecilie**. *Prenatal and prepubertal exposures to tobacco smoke in men may cause lower lung function in future offspring: a three-generation study using a causal modelling approach*. European Respiratory Journal 2021; Volum 58.(4)

Tjalvin, Gro; Svanes, Øystein; Igland, Jannicke; Bertelsen, Randi Jacobsen; Benediktsdóttir, Bryndis; Dharmage, Shyamali; Forsberg, Bertil; Holm, Mathias; Janson, Christer; Jögi, Nils Oskar; **Johannessen, Ane**; Malinovsky, Andrei; Pape, Kathrine; Real, Francisco Gomez; Sigsgaard, Torben; Torén, Kjell; Vindenes, Hilde Kristin; Zock, Jan-Paul; Schlünssen, Vivi; Svanes, Cecilie. *Maternal preconception occupational exposure to cleaning products and disinfectants and offspring asthma*. Journal of Allergy and Clinical Immunology 2021; Volum 149.(1) s.422-431

**López Cervantes, Juan Pablo; Lønnebotn, Marianne**; Jögi, Nils Oskar; Calciano, Lucia; **Kuiper, Ingrid Nordeide**; Darby, Matthew G; Dharmage, Shyamali Chandrika; Real, Francisco Gomez; Hammer, Barbara; Bertelsen, Randi Jacobsen; **Johannessen, Ane**; Würtz, Anne Mette Lund; Knudsen, Gerd Toril; Markve, Koplin, Jennifer; Pape, Kathrine; Skulstad, Svein Magne; Timm, Signe; Tjalvin, Gro; Krauss-Etschmann, Susanne; Accordini, Simone; Schlünssen, Vivi; **Kirkeleit, Jorunn; Svanes, Cecilie**. *The Exposome Approach in Allergies and Lung Diseases: Is It Time to Define a Preconception Exposome?* International Journal of Environmental Research and Public Health (IJERPH) 2021; Volum 18.(23)

Nerpin, Elisabet; Ferreira, Diogenes Seraphim; Weyler, Joost; Schlunssen, Vivi; Jogi, Rain; Raheison, Chantal; Gislason, Thorarinn; Demoly, Pascal; Heinrich, Joachim; Nowak, Dennis; Corsico, Angelo; Accordini, Simone; Marcon, Alessandro; Squillacioti, Giulia; Olivieri, Mario; Nielsen, Rune; **Johannessen, Ane**; Real, Francisco Gomez; Garcia-Aymerich, Judith; Urrutia, Isabel; Pereira-Vega, Antonio; Gullón, José-Antonio; Olin, Anna-Carin; Forsberg, Bertil; Emilsson, Össur Ingi; Pin, Isabelle; Jarvis, Deborah; Janson, Christer; Malinovschi, Andrei. *Bronchodilator response and lung function decline: Associations with exhaled nitric oxide with regard to sex and smoking status*. World Allergy Organization Journal 2021; Volum 14.(5)

Ekström, Magnus; **Johannessen, Ane**; Abramson, Michael J.; Benediktsdóttir, Bryndis; Franklin, Karl A.; Gislason, Thorarinn; Real, Francisco Gomez; Holm, Mathias; Janson, Christer; Jogi, Rain; Lowe, Adrian J.; Malinovschi, Andrei; Martínez-Moratalla, Jesús; Oudin, Anna; Sánchez-Ramos, José Luis; Schlunssen, Vivi; **Svanes, Cecilie**. *Breathlessness across generations: Results from the RHINESSA generation study*. Thorax 2021; Volum 77.(2) s.172-177

Vindenes, Hilde Kristin; **Svanes, Cecilie**; Lygre, Stein Håkon Låstad; Real, Francisco Gomez; Ringel-Kulka, Tamar; Bertelsen, Randi Jacobsen. *Exposure to environmental phenols and parabens, and relation to body mass index, eczema and respiratory outcomes in the Norwegian RHINESSA study*. Environmental health 2021; Volum 20.(1)

Krantz, Christina; Accordini, Simone; Alving, Kjell; Corsico, Angelo G.; Demoly, Pascal; Ferreira, Diogenes S.; Forsberg, Bertil; Garcia-Aymerich, Judith; Gislason, Thorarinn; Heinrich, Joachim; Jögi, Rain; **Johannessen, Ane**; Leynaert, Bénédicte; Marcon, Alessandro; Martínez-Moratalla Rovira, Jesús; Nerpin, Elisabet; Nowak, Dennis; Olin, Anna-Carin; Olivieri, Mario; Pereira-Vega, Antonio; Raheison-Semjen, Chantal; Real, Francisco Gomez; Sigsgaard, Torben; Squillacioti, Giulia; Janson, Christer; Malinovschi, Andrei. *Cross-sectional study on exhaled nitric oxide in relation to upper airway inflammatory disorders with regard to asthma and perennial sensitization*. Clinical and Experimental Allergy 2021

Kisiel, Marta A.; Zhou, Xingwu; Björnsson, Eythor; Holm, Mathias; Dahlman-Högglund, Anna; Wang, Juan; **Svanes, Cecilie**; Norbäck, Dan; Franklin, Karl A.; Malinovschi, Andrei; **Johannessen, Ane**; Schlunssen, Vivi; Janson, Christer. *The risk of respiratory tract infections and antibiotic use in a general population and among people with asthma*. European Respiratory Journal Open Research [ERJ Open Research] 2021; Volum 7:00429-2021.(4) s.1-11

## Surgery

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

Teklemariam, Tsegazeab Laeke; Aklilu, Abenezer Tirsit; Kassahun, Azarias; Sahl, Abat; Debebe, Tequam; Yesehak, Betelehem; Masresha, Samuel; Deyassa, Negussie; **Moen, Bente Elisabeth**; Lund-Johansen, Morten; Sundström, 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. s.e460-e468

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

## Tuberculosis

**Ul Haq, Mahboob; Hinderaker, Sven Gudmund**; Fatima, Razia; Shewade, Hemant Deepak; Heldal, Einar; Latif, Abdullah; Kumar, Ajay M.V. *Extending contact screening within a 50-m radius of an index tuberculosis patient using Xpert MTB/RIF in urban Pakistan: Did it impact treatment outcomes?* International Journal of Infectious Diseases 2021; Volum 104. s.634-640

Karamat, Asifa; Ambreen, Atiq; Ishtiaq, Aamira; **Tahseen, Sabira**; Rahman, Muhammad Aqeelur; **Mustafa, Tehmina**. *Isolation of non-tuberculous mycobacteria among tuberculosis patients, a study from a tertiary care hospital in Lahore, Pakistan*. BMC Infectious Diseases 2021; Volum 21.(381)

Ambreen, Atiq; Khaliq, Aasia; Naqvi, Syed Zeeshan Haider; Tahir, Amna; Mustafa, Manal; Chaudhary, Safee Ullah; Mirza, Shaper; **Mustafa, Tehmina**. *Host biomarkers for monitoring therapeutic response in extrapulmonary tuberculosis*. Cytokine 2021; Volum 142. s.1-11

**Hoel, Ida Marie**; Ali, Iman A Mohammed; Ishtiaq, Sheeba; Sviland, Lisbet; Wiker, Harald Gotten; **Mustafa, Tehmina**. *Immunochemistry-based diagnosis of extrapulmonary tuberculosis: A strategy for large-scale production of mpt64-antibodies for use in the mpt64 antigen detection test*. Antibodies 2021; Volum 10.(3) s.1-14

Fatima, Razia; Akhtar, Nasim; **Yaqoob, Aashifa**; Harries, Anthony D.; Khan, Mishal S. *Building better tuberculosis control systems in a post-COVID world: learning from Pakistan during the COVID-19 pandemic*. International Journal of Infectious Diseases 2021

**Grønningen, Erlend**; Nanyaro, Marywinnie; Sviland, Lisbet; Ngadaya, Esther; Muller, William; Torres, Lisete; Mfinanga, Sayoki; **Mustafa, Tehmina**. *MPT64 antigen detection test improves diagnosis of pediatric extrapulmonary tuberculosis in Mbeya, Tanzania*. Scientific Reports 2021; Volum 11. s.1-11

Ledesma, Jorge R; Ma, Jianing; Vongpradith, Avina; Maddison, Emilie R.; Novotney, Amanda; Biehl, Molly H; LeGrand, Kate E.; Ross, Jennifer M.; Jahagirdar, Deepa; Bryazka, Dana; Feldman, Rachel; Abolhassani, Hassan; Abosetug, Akine Eshete; Abu-Gharbieh, Eman; Adebayo, Oladimeji M.; Adnani, Qorinah Estiningtyas Sakilah; Afzal, Saira; Ahinkorah, Bright O; Ahmad, Sajjad Ahmad; Ahmadi, Sepideh; Rashid, Tarik Ahmed; Salih, Yusra Ahmed; Aklilu, Addis; Akunna, Chisom Joyqueen; Hamad, Hanadi Al; Alahdab, Fares; Alemayehu, Yosef; Alene, Kefyalew Addis; Ali, Berivan Abdulqadir; Ali, Liaqat; Alipour, Vahid; Alizade, Hesam; Al-Raddadi, Rajaa M.; Alvis-Guzman, Nelson; Amini, Saeed; Amit, Arianna Maeve Loreche; Anderson, Jason A.; Androudi, Sofia; Antonio, Carl Abelardo T.; Antony, Catherine M.; Anwer, Raziq; Arabloo, Jalal; Arja, Asrat; Asemahagn, Mulusew Andualem; Atreya, Sachin R.; **Hassan, Shoaib**; Kisa, Adnan; Kisa, Sezer; Murray, Christopher J L; Kyu, Hmwe Hmwe. *Global, regional, and national sex differences in the global burden of tuberculosis by HIV status, 1990–2019: results from the Global Burden of Disease Study 2019*. The Lancet Infectious Diseases 2021; Volum 22.(2) s.222-241

Ambreen, Atiq; **Tahseen, Sabira**; Wali, Ahmad; Jamil, Muhammad; Naqvi, Syed Zeeshan Haider; Safdar, Nauman; **Mustafa, Tehmina**. *Predictors of slow clinical response and extended treatment in patients with extrapulmonary tuberculosis in Pakistan, A hospital-based prospective study*. PLOS ONE 2021; Volum 16.(11)

**Yaqoob, Aashifa; Hinderaker, Sven Gudmund**; Fatima, Razia; Najmi, Hina; ul-Haq, Anwar. *How do private practitioners in Pakistan manage children suspected having tuberculosis? A cross sectional study*. BMC Public Health 2021

**Yaqoob, Aashifa; Hinderaker, Sven Gudmund**; Fatima, Razia; Shewade, Hemant Deepak; Nisar, Nadia; Wali, Ahmed. *Diagnosis of childhood tuberculosis in Pakistan: Are national guidelines used by private healthcare providers?* International Journal of Infectious Diseases 2021; Volum 107. s.291-297

Jenum, Synne; Tonby, Kristian; Rueegg, Corina Silvia; Ruhwald, Morten; Kristiansen, Max Per; Bang, Peter; Olsen, Inge Christoffer; Sellæg, Kjerstin; Røstad, Kjerstin; **Mustafa, Tehmina**; Tasken, Kjetil; Kvale, Dag; Mortensen, Rasmus; Riise, Anne Margarita Dyrhol. *A Phase I/II randomized trial of H56:IC31 vaccination and adjunctive cyclooxygenase-2-inhibitor treatment in tuberculosis patients*. Nature Communications 2021

## Others

Kristiansen, Trygve; Pettersen, Frank O.; Lier, Tore; **Hinderaker, Sven Gudmund**; Greve, Gottfried; Mørch, Kristine. *Schistosomiasis hos norske studenter etter opphold i Afrika*. Tidsskrift for Den norske legeförening 2021; Volum 141.(3) s.243-247

Bygstad-Landro, Marte; Giske, **Tove**; **Blystad, Astrid**; Martinsen, Kari Marie. *«Skammen slår beina under meg» – om hvordan mennesker med depresjon erfarer skam*. Nordisk sygeplejeforskning 2021; Volum 11.(2) s.155-166

Lamu, Admassu Nadew; Björkman, Lars; Hamre, Harald Johan; Alraek, Terje; Musial, Frauke; **Robberstad, Bjarne**. *Validity and responsiveness of EQ-5D-5L and SF-6D in patients with health complaints attributed to their amalgam fillings: a prospective cohort study of patients undergoing amalgam removal*. Health and Quality of Life Outcomes 2021; Volum 19.(1) s.1-12

**Rasheed, Muneera Abdul**; Hookmani, Alma Arshad; Waleed, Sana; Fatima, H. Sundus; Siddiqui, Soha; Khurram, Muhammad; Hasan, Babar S. *Implementation and Evaluation of a Social Media-Based Communication Strategy to Enhance Employee Engagement: Experiences From a Children's Hospital, Pakistan*. Frontiers In Public Health 2021; Volum 9.

## PUBLICATIONS

---

**Hatloy, Anne;** Luthuli, Silondile; John, Vaughn; Haskins, Lyn; Mapumulo, Sphindile; Mutombo, Paulin Beya; **Tylleskär, Thorkild; Engebretsen, Ingunn Marie Stadskleiv;** Horwood, Christiane; Mapatano, Mala Ali. 'I am not only beneficial to the community but to the entire country, I am trained as a researcher now': Developing health research skills in low-income countries. *Global Public Health* 2021

Hammer, Barbara; Kadalayil, Latha; Boateng, Eistine; Buschmann, Dominik; Rezwani, Faisal I.; Wolff, Martin; Reuter, Sebastian; Bartel, Sabine; Knudsen, Gerd Toril Mørkve; **Svanes, Cecilie;** Holloway, John W.; Krauss-Etschmann, Susanne. Preconceptional smoking alters spermatozoal miRNAs of murine fathers and affects offspring's body weight. *International Journal of Obesity* 2021; Volum 45.(7) s.1623-1627

Hookmani, Alma Arshad; Lalani, Naureen; Sultan, Noureen; Zubairi, Aly; Hussain, Ayesha; Hasan, Babar S.; **Rasheed, Muneera Abdul.** Development of an on-job mentorship programme to improve nursing experience for enhanced patient experience of compassionate care. *BMC Nursing* 2021; Volum 20.(1)

Lamu, Admassu Nadew; **Robberstad, Bjarne;** Hamre, Harald Johan; Alræk, Terje; Musial, Frauke; Björkman, Lars. Validity and responsiveness of GHC-index in patients with amalgam-attributed health complaints. *Acta Odontologica Scandinavica* 2021

**Riaz, Saman; Steinsland, Hans;** Thorsing, Mette; Andersen, Ann Z.; Boysen, Anders T.; Hanevik, Kurt. Characterization of Glycosylation-Specific Systemic and Mucosal IgA Antibody Responses to *Escherichia coli* Mucinase YghJ (SsIE). *Frontiers in Immunology* 2021; Volum 12. s.1-11

Kumma, Wondimagegn Paulos; **Lindtjorn, Bernt; Loha, Eskindir.** Prevalence of hypertension, and related factors among adults in Wolaita, southern Ethiopia: A community-based cross-sectional study. *PLOS ONE* 2021; Volum 16.(12) s.1-14

Levine, Myron M; Abdullah, Salim; Arabi, Yyaseen M.; Darko, Delese Mimi; Durbin, Anna P; Estrada, Vicente; Jamrozik, Euzebiusz; Kremsner, Peter G; Lagos, Rosanna; Pitisuttithum, Punnee; Plotkin, Stanley A; Sauerwein, Robert; Shi, Sheng-Li; **Sommerfelt, Halvor;** Subbarao, Kanta; Treanor, John J; Vrati, Sudhanshu; King, Deborah; Balasingam, Shobana; Weller, Charlie; Aguilar, Anastazia Older; Casetti, M. Cristina; Krause, Philip R; Restrepo, Ana Maria Henao. Viewpoint of a WHO Advisory Group Tasked to Consider Establishing a Closely-monitored Challenge Model of Coronavirus Disease 2019 (COVID-19) in Healthy Volunteers. *Clinical Infectious Diseases* 2021; Volum 72.(11) s.2035-2041

Emanuel, Ezekiel J.; Buchanan, Allen; Chan, Shuk Ying; Fabre, Cécile; Halliday, Daniel; Heath, Joseph; Herzog, Lisa; Leland, R.J.; McCoy, Matthew S; **Norheim, Ole Frithjof;** Saenz, Carla; Schaefer, G. Owen; Tan, Kok-Chor; Wellman, Christopher Heath; Wolff, Jonathan; Persad, Govind. What are the obligations of pharmaceutical companies in a global health emergency? *The Lancet* 2021; Volum 398.(10304) s.1015-1020

Hasan, Babar S.; **Rasheed, Muneera Abdul;** Wahid, Asra; Kumar, Raman Krishna; Zuhlke, Liesl. Generating Evidence From Contextual Clinical Research in Low- to Middle Income Countries: A Roadmap Based on Theory of Change. *Frontiers in Pediatrics* 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; Volum 9.(1) s.233-244

Schaaf, M.A, A. Kapilashrami, A. George, A. Amin, S. Downe, V. Boydell, G. Samary, **A.L. Ruano,** P. Nanda & R. Khosla. "Unmasking power as foundational to research on sexual and reproductive health and rights". *2021 BMJ Global Health* 6(4):e005483

**Sommerfelt, H.** 2021. Estimating the disease burden ascribed to specific enteropathogens. *Lancet Glob Health*. 9: e1343-e1344



# COVID - 19 VACCINATION

## *Available Here*

For more information call the Toll Free Helpline: **0800 200 600**

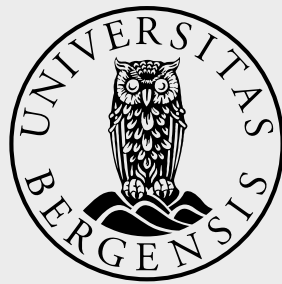
USAID Regional Health Integration to Enhance Services in Eastern Uganda



**USAID**  
FROM THE AMERICAN PEOPLE

**IntraHealth**  
LET'S DO THIS TOGETHER  
Cause Health. Restart Save Lives.

09-08-20



[uib.no/en/cih](http://uib.no/en/cih)