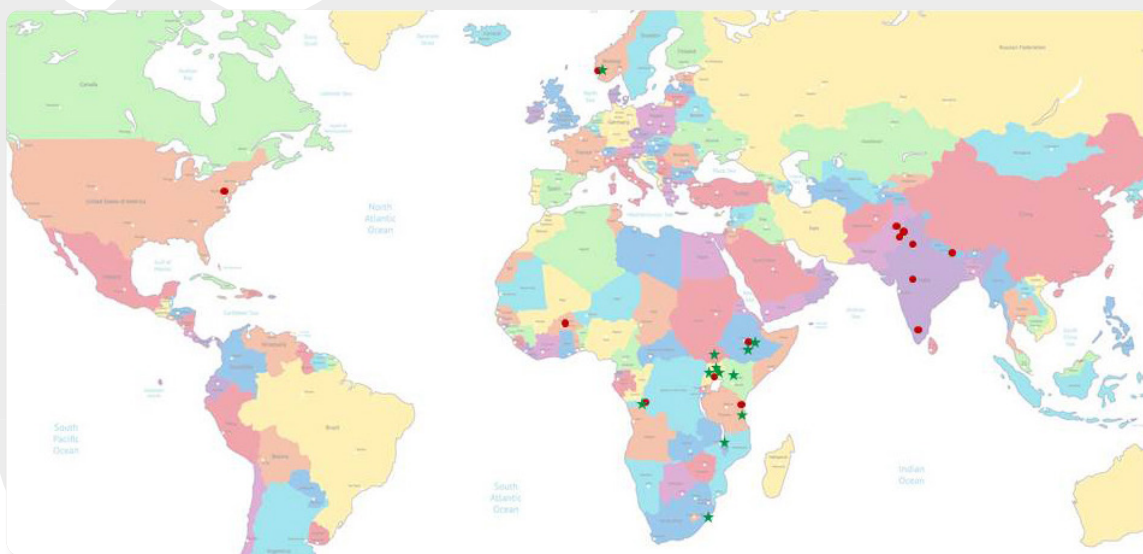




# CENTRE FOR INTERNATIONAL HEALTH

INFORMATION, ACTIVITIES AND ANNUAL REPORT 2014

## UNIVERSITY OF BERGEN







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On the cover: The map shows projects funded by The Research Council of Norway ( red dots) and NORHED (green stars) in 2014.

PUBLISHER: Centre for International Health, University of Bergen  
 GRAPHIC DESIGN: Division of Communication, University of Bergen  
 EDITORIAL COMMITTEE: Elinor Bartle, Therese M. Istad, Gunhild Koldal, Bente E. Moen  
 PHOTO: T. Tylleskär (p. 2, 7, 10, 12) • E. Bartle (p. 4) • S.G. Hinderaker (p. 8) • S.O. Drønen (pic 2, p. 10) • J. Barth (p. 16) • A.S. Herdlevær (p. 16) • R. Haakonsen (p. 17) • S. Mazumder (p. 2, 22)  
 PRINT: Bodoni AS. Bergen, Norway  
 NUMBERS PRINTED: 200



## 1. FROM THE CENTRE DIRECTOR

Centre for International Health (CIH) wants to make a difference in the world! We want to contribute to improved health among poor populations. We are sure that high quality education in health related topics is a key issue, and the staff at CIH is remarkably motivated for their work.

As in previous years, high activity in research has taken place at the centre, and several new projects have started. The research activity has been highly strengthened by the “Centre of Excellence” - Centre for Intervention Science in Maternal and Child Health - which is located at CIH. New funding from NORAD has given us the opportunity to start five new projects in The Norwegian Programme for Capacity Development in Higher Education and Research for Development (NORHED). The focus in these projects is more on education than research, and partner leadership is not always in Bergen. This gives new challenges for the staff. The job demands at the centre are very high, both for the scientific and administrative staff, but the coping ability is admirable. The staff expresses that “No problem is too difficult! Our students and partners will be helped!”

In general, the environment at CIH is filled with optimism and joy. However, some days this year were hard as we lost three valuable colleagues. Robert Byamugisha from Uganda died in April of injuries following a traffic accident. Professor Meera Chhagan from South Africa, who had been working with us for half a year, died in an accident in August. Professor Jan Van den Broeck died in November after a long period of illness. We will miss them deeply.

The housing situation improved in June. “The Palace” was constructed, an extra building outside Overlege Danielsens Hus (ODH), where CIH is located. We now have an office for all staff and PhD candidates (at least most of the time), and are very pleased – although we long for the promised improvement of ODH, which will bring CIH back together under the same roof.

**VISION AT CENTRE FOR INTERNATIONAL HEALTH**

We want our research and teaching in international health to contribute to improved health for the poor populations in the world.

We work hard to be visible in our new organisation, now being a part of Department of Global Public Health and Primary Care, and we want to underline our wish and ability to work multidisciplinary and within different faculties at the University of Bergen (UiB). We want to be a centre for everyone who works in the area of international health and related topics. Welcome to CIH!

Bergen, June 2015  
 Bente E. Moen  
*Director, CIH*







CIH personnel present at lunchtime one day. The photo is taken in front of our "Wall of fame" with pictures of our PhD candidates.

## 2. ORGANISATION

### Scientific Personnel at CIH

It can be difficult to tell who are working at CIH. There are many types of "work" and affiliations related to the centre. The list below shows the scientific personnel who are formally employed at the centre, with a few exceptions. When there are exceptions, this is explained in brackets.

#### Permanently employed:

Blystad, Astrid	Professor (IGS employed)
Fylkesnes, Knut Martin	Professor
Hinderaker, Sven Gudmund	Professor
Lindtjørn, Bernt	Professor
Moen, Bente Elisabeth	Professor
Moland, Karen Marie	Professor
Mustafa, Tehmina	Professor (50 %)
Nilsen, Rune	Professor
Norheim, Ole Fritjof	Professor (IGS employed)
Robberstad, Bjarne	Professor
Sommerfelt, Halvor	Professor
Svanes, Cecilie	Professor (50 %)
Tylleskär, Thorkild	Professor
Van den Broeck, Jan	Professor († 14.11.2014)

#### Temporarily employed:

Abotnes, Espérance Kashala	Post doctor
Chandyo, Ram Krishna	Post doctor
Engebreetsen, Ingunn Marie S	Researcher
Fadnes, Lars Tore	Post doctor (IKO employed)
Karamagi, Charles	Associate Professor
Mirkuzie, Alemnesh	Post doctor
Sandøy, Ingvild Fossgard	Post doctor CIH/Associate Professor IGS
Steinsland, Hans	Researcher
Strand, Tor A	Adjunct professor (20%)

#### UiB employed PhD-candidates:

Basnet, Sudha	PhD-candidate
Blume, Jørn	PhD-candidate
Schwinger, Catherine	PhD-candidate

#### Emeritus:

Heggenhougen, Harald Kristian	Professor emeritus
Kvåle, Gunnar	Professor emeritus

### Office/Administration

CIH is a part of Department of Global Public Health and Primary Health Care (IGS), with a joint administration. The administrative personnel located at CIH work together with the administrative personnel located at Kalfarveien 31. The administrative personnel have the same administrative head, and some days they work at the other location. The location for each person is described in the name list below:

Moen, Bente E.	Director/Professor at CIH
Lie, Rolv Terje	Head of Department, IGS

#### Most days at Centre for International Health:

Forshaw, Linda Karin	Academic Affairs, Master
Haaland, Marte Emilie Sandvik	Project administration CISMAC (50%)
Hope, Ingvild	Research Advisor
Istad, Therese Marianne	Research & Communication Officer
Klokkerud, Trine Pernille	Project administration TVEPS. Quota students (until 28/9-2014)
Koldal, Gunhild	Administration (40% from 6/10)
Lavik, Borgny Kvalnes	Academic Affairs, Master
Mørkedal, Øyvind	Economic Officer
Vikøren, Solfrid	Economic Officer

#### Most days at Department of Global Public Health and Primary Care (IGS); Kalfarveien 31:

Amundsen, Silje Katrin	Reception
Bere, Anja	Personnel Officer
Gundersen, Elin Christine	Project administration SEFAS, Research schools
Hoshovde, Elin	Economic Officer
Hvalby, Jorunn	Academic Affairs, PhD (from 15/9)
Mykkeltvedt, Alette Gilhus	Head of Administration (until 7/12 (on leave from 10/4))
Meidell, Susanne	Reception (from 20/10)
Nordstrand, Kirsti	Academic Affairs, PhD (on leave from 1/8)
Nåmdal, Erlend	Academic Affairs
Oen, Randi May	Academic Affairs Advisor
Oldeide, Olin Blaalid	Project Administration TVEPS (from 22/9)
Rekk, Marit Skjelbred	Academic Affairs Advisor
Sæle, Kjell Rune	Economic Officer
Tolleshaug, May Ruth	Head of Administration (from 8/4)

#### Technical staff:

Eriksen, Ove Gunnar	Staff Engineer
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## Advisory group at CIH

In 2014, the Centre Director has received advices from an advisory group. The group was selected in a co-operation between the Department Head and the Centre Director. The Centre Director wants to thank the members of this group for important and interesting discussions, always very inspiring. The members have been:

Jon Wigum Dahl, Director – Dept. of International Collaboration, Haukeland University Hospital  
Guri Rørtveit, Professor, IGS  
Rolv Terje Lie, Professor/Department Head, IGS  
Ottar Mæstad, Director- Chr. Michelsens Institute  
Gunn Mangerud, Department Head, Department of Earth Science, UiB  
Ingvild Hope, Advisor, CIH  
Thorkild Tylleskär, Professor, CIH

## 3. EDUCATION

### Master in International Health

CIH has run three Master programmes this year:

- Master in International Health
- Master of Philosophy in Oral Sciences
- The European Master of Science Programme in International Health

The first two are 2-year programmes (120 ECTS credits), and the students take much of the teaching together. The aim of the programmes is competence-building in low income countries. The degrees will give students deeper knowledge and research training in important subjects within fields related to international health. They are customised for each student and aim to reflect areas of high priority in the student's home region.

The various Master programmes offer a variety of research possibilities for student research projects. Each student is associated with a specific research group or group of scientists. Students may choose from the following areas: HIV/AIDS; Child Health and Nutrition; Maternal and Child Health; Tuberculosis; Global Health; Health Policy; Health Systems Research; Ethics; Health Economics; Culture; Occupational Health; Climate and Health; and Vaccines and Immunology.

Learn more here: [www.uib.no/studyprogramme/MAMD-INTH](http://www.uib.no/studyprogramme/MAMD-INTH)

CIH offers a variety of courses in International Health, both core and elective training courses. The courses are for both PhD and master students. Course offerings may vary from semester to semester.

The following courses were offered at CIH in 2014:

#### Elective courses - spring 2014

INTH323A Qualitative methods  
INTH323B Qualitative methods  
INTH329 The HIV pandemic  
INTH328A Global tuberculosis  
INTH325 Culture and psychopathology  
INTH356 Observational epidemiology

#### Course coordinator

Karen Marie Moland  
Karen Marie Moland  
Ingvild Fossgard Sandøy  
Sven Gudmund Hinderaker  
David Lackland Sam  
Cecilie Svanes

SYKVIT302 Cultural theory & global perspectives  
INTH321A Experimental epidemiology  
INTH 314 Applied economic evaluation in health care  
INTH 914 Applied economic evaluation in health care  
INTH340 War, violence, peace and health

#### Courses - autumn 2014

HELSTA  
INTH304 Major global health problems  
INTH360 Global Nutrition  
GLOBALHEALTH  
INTH302 Epidemiology  
INTH316 Health systems  
INTH301 Basic course in research tools and theory  
INTH330 Proposal development

Astrid Blystad  
Charles Karamagi  
Bjarne Robberstad  
Bjarne Robberstad  
Ingvild Fossgard Sandøy

#### Course coordinator

Øystein Ariansen Haaland  
Thorkild Tylleskär  
Hallgeir Kismul  
Sven Gudmund Hinderaker  
Charles Karamagi  
David L. Sam/Karen Marie Moland  
Karen Marie Moland/Tehmina Mustafa  
Karen Marie Moland/Tehmina Mustafa

## TropEd

TropEd is an international network of member institutions for higher education in international/global health from Europe, Africa, Asia, Australia and Latin America. CIH has been a member of this network for many years, and this membership is important for the quality of courses we have. Many of our courses have an accreditation from TropEd. The network had two meetings in 2014, one in Umeå and one in Bergen. The meeting in Bergen had about 25 participants and was held 23-25th September, in a very rainy period. However, we were able to go both to the Lepra museum and to Fløyen with our guests, in addition to having long working days with TropEd issues.

Read more about TropEd here: [www.troped.org/](http://www.troped.org/)



TropEd meeting in Bergen, September 2014.



## Course in International Health for medical undergraduates MEDINTH (2 ECTS)

The CIH is responsible for a compulsory one-week course in international health which is given to all medical students in their 6th year of their studies, around 80 students in each course. The course focuses on health challenges and health development in low-income countries with classification, diagnosis and control of diseases. Students learn to explain differences in health and development in the world, and will take a closer look at diseases with global impact: HIV, tuberculosis, malaria, pneumonia and diarrhea in children, mother-child-health, and vaccine-preventable diseases. There is no course exam but group work with presentation and discussion.

## Elective term in Global Health for medical undergraduates GLOBALHEALTH (30 ECTS)

A course in Global Health is given in the elective term for interested medical students, and students with similar background. The students are given theoretical teaching and lectures for four weeks jointly with master students in international health at CIH, covering major global diseases. In addition, for two weeks they learn about priorities in health at the Department of Global Health and Primary Care, and selected conditions are taught at Haukeland University hospital. After this theoretical introduction they visit a health facility in a low-income country, either Christian Medical College Vellore in India, Makerere in Kampala, Uganda, or Haydom Lutheran Hospital in Tanzania. They follow daily routines at the hospitals and visit clinics in the vicinity to get an impression of health care in the areas. On return to Bergen they present and defend their assignments in plenary sessions.

This course won the Faculty's education award in 2011, as well as the University education award ("Ugleprisen", "The Owl award" 2011).



Students from the Global Health Course 2014.

## Operational research courses "SORT IT"

A number of courses in operational research called "Structured Operational Research Training initiative" (SORT IT) have been carried out in various parts of the world: Europe, Africa, Asia and the Pacific. The aim is to help health workers solve challenges by research, analysis and publication. The organisers are the International Union against Tuberculosis and Lung Disease and Medecins sans Frontiers in Luxembourg. In 2014 TDR of WHO also joined the activities. CIH and several other institutions support the initiative. Participants are health workers of various cadres from all over the world. They attend an initial course module with protocol writing including ethics considerations, followed by a course in data management and analysis. The participants then go home, get ethics permit and collect data: almost exclusively data in existing registers. When the data is entered and analysed the participants meet again for a new course module to draft the paper. The course is approved when the paper is submitted. Currently 18 courses have been completed with 212 persons completing and publishing 224 papers. Three PhD candidates from CIH have participated in the courses.



Sven G. Hinderaker is leading the CIH effort of the SORT IT courses.

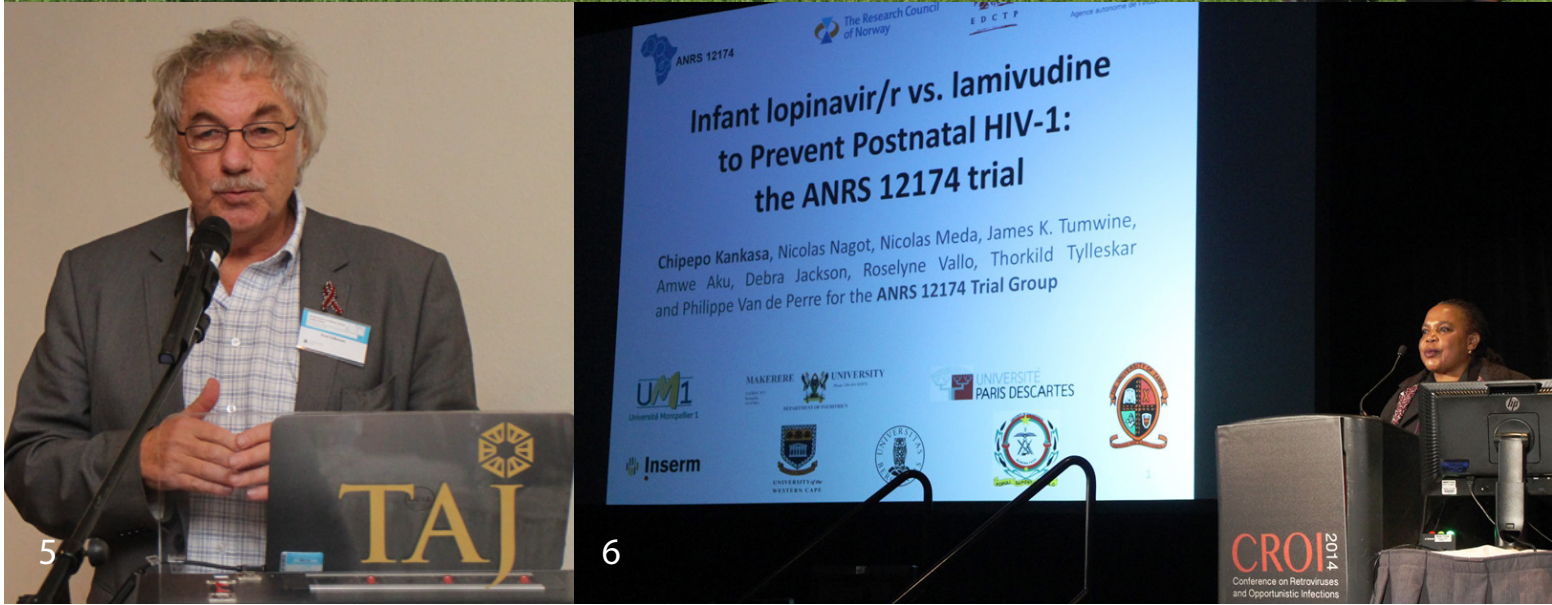
Professor Sven Gudmund Hinderaker at CIH has participated with teaching and supervision in SORT-IT courses in Paris, Luxembourg and Addis. During 2014 twelve papers were published with him as co-supervisor:

- Harries AD, Bianchi L, Jensen PM, Pantages M, Bissell K, Kumar AMV, Hinderaker SG, Tayler-Smith K, Van den Bergh R, van den Boogaard W, Manzi M, Isaakidis P, Reid AJ, Zachariah R. Public Health Action for public health action. *Public Health Action* 4(3): 139-140.
- Zachariah R, Kumar AMV, Reid AJ, Van den Bergh R, Isaakidis P, Draguez B, Delaunoy P, Nagaraja SB, Ramsay A, Reeder JC, Denisiuk O, Ali E, Khogali M, Hinderaker SG, Kosgei RJ, van Griensven J, Quaglio GK, Maher D, Billo NE, Terry RF, Harries AD. Open access for operational research publications from low and middle-income countries: who pays? *Public Health Action* 2014; 4(3):141-144.
- Sunyoto T, Van den Bergh R, Valles P, Gutierrez R, Ayada L, Zachariah R, Yassin A, Hinderaker SG, Harries AD. Providing emergency care and assessing a patient triage system in a referral hospital in Somaliland: a cross-sectional study. *BMC Health Serv Res.* 2014;14:531. doi: 10.1186/s12913-014-0531-3.
- Pereira PR, Isaakidis P, Hinderaker SG, Ali E, van den Boogaard W, Viana KS, Cassol R, Falci DR. Burden of isolation for multidrug-resistant organisms in a tertiary public hospital in Southern Brazil. *Am J Infect Control.* 2015;43(2):188-90. doi: 10.1016/j.ajic.2014.10.014. Epub 2014 Dec 3.
- Zachariah R, Guillerm N, Berger S, Kumar AMV, Satyanarayana S, Bissell K, Edginton M, Hinderaker SG, Tayler-Smith K, Van den Bergh R, Khogali M, Manzi M, Reid AJ, Ramsay A, Reeder JC, Harries AD. Research to policy and practice change: is capacity building in operational research delivering the goods? *Trop.Med.Int.Health* 2014; XXX.
- Ramsay A, Harries AD, Zachariah R, Bissell K, Hinderaker SG, Edginton M, Enarson DA, Satyanarayana S, Kumar AMV, Hoa NB, Tweya H, Reid AJ, Van den Bergh R, Tayler-Smith K, Manzi M, Khogali M, Kizito W, Ali E, Delaunoy P, Reeder JC. The Structured Operational Research and Training Initiative for public health programmes. *Public Health Action* 2014; 4(2):79-84.
- Mi F, Jiang G, Du J, Li L, Yue W, Harries AD, Hinderaker SG, Lin Y. Is resistance to anti-tuberculosis drugs associated with type 2 diabetes mellitus? A register review in Beijing, China. *Global Health Action* 2014; 7:24022.
- Das AK, Harries AD, Hinderaker SG, Zachariah R, Ahmed A, Shah GN, Khogali MA, Das GI, Ahmed EM, Ritmeier K. Active and passive case detection strategies for the control of leishmaniasis in Bangladesh. *Public Health Action* 2014; 4(1): 15-21.





1. Barbara Kirunda with data collectors in Uganda.  
 2. Sven Young, project leader for a NORHED project in Malawi.  
 3. Master students and staff in the Grow Nut project, DR Congo.  
 4. The NORHED administration visits the Survival Pluss project in Uganda.  
 5. Knut Fylkesnes at a NOMA meeting in Zambia.  
 6. Chipepo Kankasa presenting study results at the CROI conference in Boston.



*"SORT IT" publications cont.*

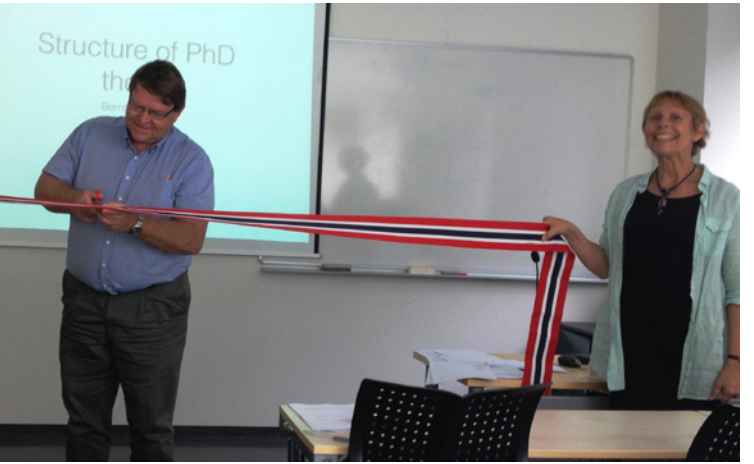
- Maes P, Harries AD, Van den Bergh R, Noor A, Snow RW, Tayler-Smith K, Hinderaker SG, Zachariah R, Allan R. Can timely vector control interventions triggered by atypical environmental conditions prevent malaria epidemics? A case-study from Wajir county, Kenya. PLoSOne 2014; 9(4):e92386.
- Molino L, Kumar AMV, Isaakidis P, Van den Bergh R, Khogali M, Hinderaker SG, Magaia A, Lobo S, Edwards CG and Walter J. High attrition among HIV-infected patients with advanced disease treated in an intermediary referral center in Maputo, Mozambique. Glob Health Action 2014, 7: 23758.
- Nagai S1, Robinson R, Rahamefy JR, Randriambelison SJ, Ranaivomanana DA, Razafindranavo T, Rakotobe L, Ranaivo A, Hinderaker SG, Harries AD, Zachariah R. Provider-initiated HIV testing and counselling for TB in low HIV prevalence settings: is it worthwhile? Trans R Soc Trop Med Hyg. 2014 Mar;108(3):173-5.
- Oladimeji O, Isaakidis P, Obasanya OJ, Eltayeb O, Khogali M, Van den Bergh R, Kumar AM, Hinderaker SG, Abdurrahman ST, Lawson L, Cuevas LE. Intensive-Phase Treatment Outcomes among Hospitalized Multidrug-Resistant Tuberculosis Patients: Results from a Nationwide Cohort in Nigeria. PLoSOne 2014; 9(4):e94393.

### Research School at CIH

The Centre for International Health Research School was reopened 20th of August 2014. The research school had been without activity for some time, but now a new plan was made. Weekly seminars were held in 2014 for the PhD candidates, and the first one had the presentation: "Structure of PhD thesis" by professor Bernt Lindtjørn. He was also the one to make the official opening, together with Bente E. Moen.

The research school is now organized by a scientific group:  
 Professors: Karen Marie Moland, Sven Gudmund Hinderaker, Bernt Lindtjørn, Bente E. Moen and Halvor Sommerfelt from CISMAC (observer).  
 Researchers: Esperance Kashala Abotnes, Victoria Nankabirwa and Ingunn Engebretsen  
 PhD student: Sudha Basnet.

This scientific group is responsible for the fulfillment of the aims of the CIH research school, the programme of PhD-seminars for each semester, including midway evaluations and master presentations, chairing the seminars, evaluation of / organisation of elective PhD courses and appointing new supervisors for the students if needed.



The research school was re-opened by Bernt Lindtjørn and Bente Moen on the 20th August 2014





New students at CIH are welcomed, and most of them also attend a guided tour of Bergen.



## 4. CANDIDATES IN COMPETENCE BUILDING PROGRAMMES

### Doctoral Candidates

The PhD candidates are very important at CIH. They represent the future researchers in International Health, and many of them will go back to very important jobs in their home countries when they have finished their PhD. The group of PhD-candidates is at the moment 53 persons, 23 women and 30 men, coming from 17 different countries. We are proud of the group.

These doctoral candidates are registered formally as related to the centre. It has been difficult to gather all information about them, they are many, and as you will see, they have many different supervisors.

Name	Country	Main supervisor	Co-supervisors
Aakre, Inger	Norway	Henjum, S	Strand, T
Awor, Phyllis	Uganda	Tylleskär, T	Wamani, H/Peterson, S
Ayana, Taye Gari	Ethiopia	Lindtjørn, B	Deressa, W
Ayele, Abebe Animut	Ethiopia	Lindtjørn, B	Gebre-Selassie Gebre-Michael, T
Balla, Yaliso Yaya	Ethiopia	Lindtjørn, B	Norheim, OF
Banda, Richard	Zambia	Sandøy, IF	Fylkesnes, K
Basnet, Sudha	Nepal	Strand, TA	Sommerfelt, H/Mathisen, M
Bech, Margunn M.	Norway	Rekdal, OB	Heggenhougen, HK
Birungi, Nancy	Uganda	Åström, AN	Fadnes, LT/Okullo, I
Blume, Jörn	Germany	Tylleskär, T	Wang, S
Chimhutu, Victor	Norway	Moland, KM	Tjomsland, M
Chinkhumba, Jobiba	Malawi	Robberstad, B	Torsvik, G
Dalen, Nina	Norway	Sam, D	Sundby, J (HIB)/Jacobsen, FF
Dangisso, Mesay H.	Ethiopia	Lindtjørn, B	Datiku, DG
Defaye, Frehiwot B	Ethiopia	Norheim, OF	Miljeteig, I
Fatima, Razia Kaniz	Pakistan	Hinderaker, SG	Bassili A/Qadeer, E
Gebreyesus, Seifu	Ethiopia	Lindtjørn, B	Damen, H
Hailu, Alemayehu	Ethiopia	Robberstad, B	Lindtjørn, B/Deressa, W
Hamusse, Shallo Daba	Ethiopia	Lindtjørn, B	Demissie, M
Hangoma, Peter	Zambia	Robberstad, B	Fylkesnes, K
Haugen, Johanne	Norway	Strand, T A	Dudman, S/Mathisen, M
Hoel, Ida Marie	Norway	Mustafa, T	Sviland, L/Wiker, H
Hussain, Hamidad F	Pakistan	Robberstad, B	Tylleskär, T
Jørstad, Melissa D	Norway	Mustafa, T	Sviland, L
Katirayi, Leila	USA	Tylleskär, T	Moland, KM
Kilale, Andrew	Tanzania	Hinderaker, SG	Ngowi B
Kirunda, T. Barbara E	Uganda	Tylleskär, T	Wamani, H
Kismul, Hallgeir	Norway	Hatløy, A	Moland, KM
Klungsoyr, Jørn Ivar	Norway	Tylleskär, T	Weiqin, C
Mulwafu, Wakisa	Malawi	Viste, A	Golpen, F/Cooper, H
Mohamed, Khalid G	Norway/Sudan	Hunskår, S	Abdelrahman, S/Malik, E
Mori, Amani Thomas	Tanzania	Robberstad, B	Norheim, OF
Muhumuza, Julius	Uganda	Hinderaker, SG	Mfinanga, GS
Mwangala, Sheila M.	Zambia	Fylkesnes, K	Monze, M/ Moland, KM
Ngalesoni, Frida	Tanzania	Norheim, OF	Robberstad, B
Ng'anjo, Selia	Zambia	Fylkesnes, K	Kiserud, T, Moland, KM
Ngoie, Leonard B.	DRC/Malawi	Young, S	Gjertsen, JE/Hallan, G/ MicNDwire, N
Nigatu, Amare W	Ethiopia	Moen, BE	Bråtveit, M
Onarheim, Kristine H	Norway	Miljeteig, I	Moland, KM/Norheim, OF/Sisay, MM
Ramokolo, Vundli	South Africa	Engbreetsen, I	Goga /Doherty /Jackson / Skjærven
Rongsen-Chandola, T.	India	Strand, TA	Bhandari, N
Ruhago, George	Tanzania	Norheim, OF	Robberstad, B
Rutagwera, G. David	Rwanda	Tylleskär, T	Molés, JP / Tuillon, E
Schwinger, Catherine	Germany	Strand, TA	Andersen, P/Fadnes, LT
Senkoro, Mbazingwa F	Tanzania	Hinderaker, SG	Mfinanga, GS
Shayo, Elizabeth H.	Tanzania	Blystad, A	Norheim, OF/Kamuzora, P
Shrestha, Jasmin	Nepal	Strand, TA	Vainio, K/Andreassen, Å/ Dudman, S
Shrestha, Sanjaya	Nepal	Strand, TA	Vainio, K/Andreassen, Å/ Dudman, S
Some, Nagaonlé Eric	Burkina Faso	Tylleskär, T	Engbreetsen, I
Taxt, Arne Michael	Norway	Puntervoll, P	Sommerfelt, H
Tiam, Appolinaire	Cameroon	Tylleskär, T	Guay, L
Ulesido, Fekadu M	Ethiopia	Lindtjørn, B	Gebre-Michael T/ Meshesha B
Varela, Carlos	Malawi	Viste, A	Mkandawire,N/Groen,R/Young,S
Våga, Bodil Bø	Norway	Blystad, A	Moland, KM/Olsen, BE
Woldesemayat, Endrios M	Ethiopia	Lindtjørn, B	Datiko, D



### Master candidates

Centre for International Health can accept 25 new Master students every year. However, some of the students with quota scholarships are transferred to PhD scholarships, reducing the number of Master’s.

In 2014 we had 44 Master students, 23 women and 21 men, coming from 18 different countries. They form the basis of our education in International Health and must be considered as the heart of CIH.

Finishing in 2014 (2012-2014)	Beginning in 2013 (2013-2015)	Beginning in 2014 (2014-2016)
Al-Ashtal, Amin Mohsen Saleh	Ahmed, Israa Abdul Rhman*	Akol, Angela
Amare, Ephrem Bililigne	Coons, Claudia	Ali, Mohamed Abdul Raouf
Dalaker, Kirsten	Corosky, Gregory	Binyaruka, Peter John
Ibrahim, Mohamed	Denegetu, Tsion Haileyesus	Cole, Robin
Kiær, Ingrid	Hailu, Alemayehu*	Gjerde, Kjersti
Konstantinova, Victoria	Jalloh, Edeen	Hammer, Anna
Lasrado, Olivia	Meki, Chisala	Hasha, Wegdan
Memirie, Solomon Tessema*	Mohamed Ahmed, Samih	Kibira, Simon Peter
Mrema, Dorah Elisonguo	Shahzad, Yasir	Lubulwa, Frances Clare
Nigatu, Amare Workiye*	Tewelde, Mengs Gebremeskel	Macha, Jane
Nilsen, Cecilie	Yigezaw, Getachew Shiferaw	Rankinen, Maija
Pandey, Poonam	Zgambo, Jessy	Rasheed, Rahma
Rutagwera, David Gatsinzi*		Sanou, Anselme Siméon
Shrestha, Rachana		Zhao, Ruiting
Senkoro, Kesheni P* († 20.02.2015)		
Some, Nagaonle Eric*		
Thommesen, Trude Gro		
Timilsina, Diwas		
*transferred to the phd-programme		

### Students in the Medical Student Research Programme

A few years we have had a system with a “Medical Students Research Programme”, making it possible for medical students to be educated in research during their undergraduate study. They get an extended scholarship, one extra year at medical school. This is a great opportunity for recruiting young, coming physicians to international research, and we welcome the group of Norwegian medical students who have decided to be in our research environment.

Grønvik, Taran; Hegdahl, Hanne K; Melberg, Andrea; Pannu, Mehma; Ribe, Ingeborg; Skylstad, Vilde; Solheim, Ingrid; Halvåg, Ragnhild

### Erasmus Mundus Students

Chan Min Ju

### Bergen Summer Research School 2014: Governance to Meet Global Development Challenges

In 2014 the theme for the Bergen Summer Research School (BSRS) was “Governance to Meet Global Development Challenges”

BSRS 2014 adopted an interdisciplinary approach gathering an international group of research students and scientists, to explore governance and its complex and interlinked challenges in development from different disciplines and perspectives.

The Summer School was organised in five parallel courses and the Centre for International Health contributed with the course “Global Governance for Health”. Course leaders were Professors Karen Marie Moland and Astrid Blystad. The medical students Kristine H. Onarheim, Johanne H. Iversen and Andrea Melberg participated as lecturers, in addition to Professor Ole F. Norheim, post doc Magnus Vollset from the History Department, and guest lecturers Marge Berer and John-Arne Røttingen.

The course explored the expanding field of global governance for health and how global processes, policies and priorities impact national priority setting, health policy and -financing and public health profiles. Locating the Millennium Development Goals at the core, it looked into the dynamics between global norms and policies and national governance, and explored global to local policy translations and their consequences both for individual and public health.

One of the main lessons learnt by the attempts to reach global health targets the past decades is that challenges like climate change, pandemic flu, HIV/AIDS and the rise of non-communicable diseases cannot be addressed effectively without addressing the social, economic and political forces that shape the conditions for disease.

The Course had 15 participants (7 women and 8 men), and they were from 10 different countries; Ethiopia, India, Kenya, Nepal, Norway, Sierra Leone, Sudan, Uganda, USA and Zimbabwe.



## 5. DOCTORAL DEGREES AWARDED



### Acute injuries in Khartoum State, Sudan

Sally El Tayeb (Photo: J. Barth) defended her thesis entitled “Injuries in Khartoum State, Sudan. Magnitude, consequences and healthcare utilization: a community-based survey” on 13th of June 2014.

Injuries result in the deaths of almost 6 million people each year; more than the number of deaths caused by malaria, tuberculosis and HIV/AIDS combined. This thesis provides population-level information based on interviews conducted in Khartoum State, Sudan.



### Ugandan children are vaccinated too little and too late

Juliet N. Babirye (Photo: A.S. Herdlevær) defended her thesis entitled “Childhood immunisation in Uganda: timeliness, supportive structures and health system barriers” on 17th of January 2014.

This thesis investigates vaccination practice in Kampala, Uganda. The work identified some of the many challenges to ensure that children are not only vaccinated against illnesses, but also that vaccination occurs during the optimal time frame.



### Cancer stem cells in oral cancer

Tarig Osman (Photo: A.S. Herdlevær) defended his thesis entitled “Cancer stem cell-related markers in normal and neoplastic oral mucosa; a study on human samples and experimental models” on 4th of June 2014.

This thesis investigates the complexity of mouth cancer tumours. The study results indicate that currently each individual tumour must be examined to determine optimal treatment as it is not yet possible to generalize tumour types or treatment protocols.



### People living with HIV in Viet Nam

Duong Cong Thanh (Photo: Private) defended his thesis entitled “People Living with HIV in Viet Nam: Individual and Contextual Factors Affecting Risk Taking, Health and Help Seeking Behaviour” on 19th of December 2014.

In Viet Nam the HIV epidemic is largely concentrated within particular population groups that are already subjected to stigmatization and discrimination. Successful prevention and treatment services will require multi-sector collaboration and communication.



### Physical activity and nutrition in Germany

Jonas Finger (Photo: Rune Haakonsen) defended his Doctor Philos thesis entitled “Social inequality in physical activity and nutrition in Germany” on 11th of December 2014.

As compared to the adolescents of parents with high education, the adolescents of parents with low education levels tend to have higher media use, lower aerobic fitness level and to consume more energy-dense food. Adults with low education were found to be more physically active overall, perhaps due to type of job, while adults with high education were more active in their leisure time.



# 6. MASTER DEGREES AWARDED

## Master Degrees (15)

Dalia Alawad

Ephrem Bililigne Amare  
Kathryn Rose Brignole

Min Ju Chan

Rohini Jala

Olivia Lasrado

Aneth Mkunde Mahande

Dorah Elisonguo Mrema

Cecilie Nilsen

Everest Emeka Ojukwu

Poonam Pandey

Pritam Lal Shrestha

Diwas Timilsina

Trude Thommesen

Ibtihag Abdulbagi Yagoub

## Thesis title

Frequency and Pattern of distribution of Oral Neoplasms among Sudanese attending KTDH. Hospital-registry based cross sectional study, two data sets 2006-2007, 2010-2012.

Early childhood head circumference: Reference ranges for Ethiopian population.

Temporal and Geopatial Analysis of Salmonella Typhi Infections in Children at Angkor Hospital for Children and Satellite Clinic in Two Districts in Siem Reap, Cambodia (2007-2012): A Retrospective Study

Is antiretroviral medication adherence associated with self-compassion and HIV-related stigma among people living with HIV in Shanghai, China?

In vivo role of Semaphorin 6A in the development of an incisor tooth germ and its sensory innervation.

Hand Eczema and Musculo-skeletal Symptoms among Cleaners. Prevalence and immigrant status: a cross-sectional study in a Norwegian city.

Prevalence of parasitic infections and associations with pregnancy complications and outcomes in northern Tanzania: a registry-based cross-sectional study.

The association of prepregnancy body mass index and changes of prepregnancy BMI/ body weight between pregnancies with risk of preeclampsia: a birth registry study from Tanzania.

Trends in and socio-demographic factors associated with caesarian section at a large Tanzanian hospital, 2000 to 2013.

Methicillin-resistant Staphylococcus epidermidis. Daptomycin susceptibility testing and resistance to quinolones.

The in vivo function of Semaphorin3A in the innervation of the mandibular molar tooth germ in late postnatal and young adult mice.

Usability and desirability of OpenXdata – an electronic data capture tool for data collection in health research.

Musculoskeletal Symptoms in adults in Kathmandu Metropolitan City: A Household survey.

“I’m afraid, actually!” Midwives’ challenges in providing quality maternal and newborn care in health centres in Addis Ababa, Ethiopia.

Antimicrobial Susceptibility of Aggregatibacter actinomycetemcomitans serotype b in Biofilms versus Planktonic Cultures.

# 7. CIH INTERNATIONAL ACTIVITY

## Institutions CIH has a collaboration with:

### AFRICA

#### Burkina Faso

Centre Muraz

#### Democratic Republic of Congo

School of Public Health, University of Kinshasa,

#### Ethiopia

Addis Ababa University

Addis Ababa City Admin. Health Bureau

Arba Minch University, Arba Minch

Armauer Hansen Research Institute

Dilla University

Haramaya University

Hawassa University

National Meteorological Agency of Ethiopia,

Addis Ababa (NMAE)

University of Gondar

Wolaita Sodo University

#### Kenya

African Medical Research Foundation (AMREF)

University of Nairobi

#### Malawi

University of Malawi, College of Medicine

#### South Africa

Effective Care Research Unit, University of the

Witwatersrand, Johannesburg

University of Fort Hare

University of KwaZulu-Natal

University of Stellenbosch

University of the Western Cape

University of the Witswatersrand

#### Sudan

Ahfad University for Women

Sudan University of Science and Technology

University of Khartoum

#### Tanzania

Haydom Lutheran Hospital

Ifakara Health Institute, Dar es Salaam

Institute of Social Work, Gender and

Development, Dar es Salaam

Kilimanjaro Christian Medical Centre (KCMC)

Ministry of Health and Social Welfare

Muhimbili University of Health and Allied

Sciences (MUHAS)

National Institute of Medical Research (NIMR)

University of Dar Es Salaam

### Togo

The University of Lomé, Department of Public Health and Epidemiology

### Uganda

Busitema University

Gulu University

Makerere University, Kampala

### Zambia

University of Zambia

### ASIA

#### Afghanistan

International Assistance Mission (IAM), Herat and Mazar

### Cambodia

National Institute of Public Health, Phnom Penh

### China

Tianjin University

### India

All India Institute of Medical Sciences, New Delhi

Centre for DNA Fingerprinting & Diagnostics, Hyderabad

St. John’s Research Institute at St John’s Medical College

Centre for Health Research and Development, New Delhi , Society for Applied Studies (SAS)

Translational Health Science and Technology

Institute (THSTI)

Pediatric Biology Centre at THSTI

### Nepal

Kathmandu University

Tribhuvan University, Kathmandu

### Pakistan

Association for Social Development (ASD)

Interactive Research & Development IRD

Karachi

### Yemen

University of Science and Technology



# 9. MAIN PROJECTS

In addition to CISMAC, a large number of projects are run at CIH. We mention the main ones here – they show clearly the large network of Centre activities.

## Africa

Project Title	Duration	Project Leader	Funding Source
Umbilical Cord Cleansing for the Prevention of Newborn Infections in Uganda	2014-2018	Nankabirwa, Victoria	The Research Council of Norway (RCN)/ GLOBVAC
Enfance Africaine - Mental child health in francophone Africa	2014-2018	Abotnes, Esperance Kashala	RCN/GLOBVAC
SeeTheChild - Mental child health in Uganda	2013-2017	Engebretsen, Ingunn	RCN/GLOBVAC
Combining indoor residual spraying and long-lasting insecticidal nets for preventing malaria: Clust randomized trial in Ethiopia	2012-2017	Lindtjørn, Bernt	RCN/GLOBVAC
SURVIVAL PLUS: Increasing capacity for mama-baby survival in post-conflict Uganda and South Sudan	2013-2018	Tylleskär, Thorkild	NORHED
GROW NUT - Growing Partnership for Higher Education and Research in Nutritional Epidemiology in DR Congo	2013-2018	Hatløy, Anne Tylleskär, Thorkild	NORHED
HI-TRAIN – Health Informatics training and research in East Africa for improved health care	2013-2018	Tylleskär, Thorkild, Khalid Mughal (Dept. of Informatics)	NORHED
SENUPH - South Ethiopia Network of Universities in Public Health aims to improve women's participation in post graduate education	2014-2018	Lindtjørn, Bernt	NORHED
Reduction of the burden of injuries and occupational exposures through capacity building in low income countries.	2014-2018	Moen, Bente E.	NORHED
Capacity building in postgraduate surgical training and research in Malawi	2014-2018	Lindtjørn, Bernt	NORHED
Master of Science in Epidemiology	2011-2014	Fylkesnes, Knut Martin	NOMA
Sandwich programme for M Med and M Sc degrees in clinical medicine	2009-2014	Langeland, Nina	NOMA
Fredskorpset III – V Addis-Bergen Neurosurgery Service and Training Programme	2012-2015	Istad, Therese M.; Lund-Johansen, Morten	Fredskorpset
Saving Brains; Identifying Early Life Interventions That Promote the Fulfillment of Human Capital: Saving Brains in Uganda and Burkina Faso (PROMISE SB)	2012-2014	Tylleskär, Thorkild	Grand Challenges Canada
Improving Maternal and Newborn Health Outcomes in Addis Ababa through skills training; an intervention cohort study	2013-2014	Karen Marie Moland; Mirkuzie, Alemnesh	Lærdal Foundation AM
Randomized clinical trial assessing laryngeal mask (LMA) versus face-mask ventilation in neonatal resuscitation in Uganda	2012-2015	Tylleskär, Thorkild	Lærdal Foundation AM

## Asia and unspecified

Project Title	Duration	Project Leader	Funding Source
STOPENTERICS-Vaccination against Shigella and ETEC: novel antigens, novel approaches	2010-2014	Sommerfelt, Halvor	EU
Zinc as an adjunct for the treatment of very severe disease in infants younger than 2 months	2014-2017	Bhatnagar, Shinjini	RCN/GLOBVAC
Improving diagnosis of extrapulmonary tuberculosis by implementation of a sensitive and specific assay in routine tuberculosis diagnostics	2014-2017	Mustafa, Tehmina	RCN/GLOBVAC
The effect of Vitamin B12 supplementation in Nepali Infants on Growth and Development	2014-2018	Strand, Tor A.	Thrasher Research Fund
Impact of vitamin B12 on neurodevelopment and cognitive function from early life into school age	2014-2019	Strand, Tor A	RCN/GLOBVAC
Development of a vaccine for enterotoxigenic <i>E. coli</i> based on the heat-stable toxin	2014-2018	Sommerfelt, Halvor	RCN/GLOBVAC
Preparing for tuberculosis vaccine efficacy trials: Baseline epidemiology, improved diagnosis, markers of protection and phasel/II trials	2008-2016	Grewal, Harleen	RCN/GLOBVAC
Norwegian Forum for Global Health Research	2013-2015	Istad, Therese M.; Scheel, Inger B	RCN/GLOBVAC
Priorities in Global Health 2020	2011-2016	Kjell Arne Johansson	RCN/GLOBVAC
Nutrition and brain development in small children in Nepal	2012-2014	Strand, Tor A	Rieber Fund
Acceptability of a wheat-based ready-to-use therapeutic food (RUTF)	2013-2014	Schwinger (Kaulfuss), Catherine	Rieber Fund

## World Universities Network (WUN)

Professor Cecilie Svanes is leading a project where the researchers will try to find the connection between parasitic infections and allergies. The project has received funding from the Worldwide Universities Network (WUN).

The project is called Helminths and allergy in South Africa and Northern Europe and Svanes’s main collaborators on the project are Professor William Horsnell at the University of Cape Town (UCT) and Professor John Holloway at the University of Southampton. The project covers research conducted in Norway, Estonia, South Africa, the United Kingdom and probably soon also Spain.

“Parasites are widespread in developing countries but not that common in the developed world,” says Svanes. “While parasitic infections have become rarer in our part of the world, allergies have increased.”

Read more: [www.uib.no/en/news/85529/research-prevent-future-pandemics](http://www.uib.no/en/news/85529/research-prevent-future-pandemics)





Field worker conducting a home-visit in India.

## 10. CENTRE FOR INTERVENTION SCIENCE IN MATERNAL AND CHILD HEALTH (CISMALC).

CISMALC is a Centre of Excellence, anchored at CIH. Research institutions in Norway and in Ethiopia, India, Nepal, South Africa, Uganda and Zambia are partners in the CISMALC consortium, and CISMALC is also supported by the WHO. The director of CISMALC is Professor Halvor Sommerfelt.

CISMALC supports research aiming to effectively and equitably improve health and survival of mothers and children as well as child development. CISMALC projects target low-income populations in Asia and Sub-Saharan Africa.

CIH is proud to have this Centre as a part of our work environment, and want to show some of the important results from the CISMALC activity the past year here:

**CISMALC is setting Newborn Health on Global Health Agendas** for newborn and child health. CISMALC researchers have for instance co-authored two publications in *The Lancet* reflecting the work on newborn health:

*Yoshida S, Rudan I, Lawn JE, Wall S, Souza JP, **Martines J**, Bahl R; neonatal health research priority setting group. Newborn health research priorities beyond 2015. Lancet. 2014 Jul 12;384(9938):e27-9*

*Darmstadt GL, Kinney MV, Chopra M, Cousens S, Kak L, Paul VK, **Martines J**, Bhutta ZA, Lawn JE; Lancet Every Newborn Study Group. Who has been caring for the baby? Lancet. 2014 Jul 12;384(9938):174-88.*



The team behind the publications has worked to establish evidence-based research priorities for reducing mortality among newborn babies and children post 2015. Research has shown that it is a myth that improving newborn health and survival requires high-tech and expensive interventions: Simple, effective, low-cost solutions exist. The *Lancet* papers give an overview of the many opportunities there are for engagement and action to improve newborn health.

See the separate annual report from CISMALC here:  
[www.cismal.org/news/annual-report-2014-3](http://www.cismal.org/news/annual-report-2014-3)

## 11. PUBLICATION LIST

This publication list is not complete, but shows the main publishing areas among scientific employees at CIH.

### Ethics:

- Fredriksen EH, Harris J, Moland KM, Sundby J. "They ask whether this is real or fake": a qualitative Norwegian study of pregnancy complaints and access to social benefits. *Health Care Women Int.* 2014
- Kvåle G, Moen BE. Policy for improving global health. *Tidsskr Nor Laegeforen.* 13.05.2014
- Vestbøstad E, Blystad A. Reflections on female circumcision discourse in Hargeysa, Somaliland: purified or mutilated? *Afr J Reprod Health* 18.06.2014
- Våga BB, Moland KM, Evjen-Olsen B, Blystad A. Reflections on informed choice in resource-poor settings: The case of infant feeding counselling in PMTCT programmes in Tanzania. *Soc Sci Med.* 18.01.2014
- Zulu JM, Michelo C, Msoni C, Hurtig AK, Byskov J, Blystad A. Increased fairness in priority setting processes within the health sector: the case of Kapiri-Mposhi District, Zambia. *BMC Health Serv Res.* 18.02.2014

### Health economics:

- Mori AT, Ngalesoni F, Norheim OF, Robberstad B. Cost-effectiveness of dihydroartemisinin-piperaquine compared with artemether-lumefantrine for treating uncomplicated malaria in children at a district hospital in Tanzania. *Malar J* 15.09.2014
- Nkonki LL, Daviaud E, Jackson D, Chola L, Doherty T, Chopra M, Robberstad B; Promise-EBF Study Group. Costs of promoting exclusive breastfeeding at community level in three sites in South Africa. *PLoS One* 10.01.2014
- Ngalesoni F, Ruhago G, Norheim OF, Robberstad B. Economic cost of primary prevention of cardiovascular diseases in Tanzania. *Health Policy Plan.* 11.08.2014

### Health priorities:

- Byskov J, Marchal B, Maluka S, Zulu JM, Bukachi SA, Hurtig AK, Blystad A, Kamuzora P, Michelo C, Nyandieka LN, Ndawi B, Bloch P, Olsen OE. The accountability for reasonableness approach to guide priority setting in health systems within limited resources - findings from action research at district level in Kenya, Tanzania, and Zambia. *Health Res Policy Syst.* 20.08.2014
- Mori AT, Kaale EA, Ngalesoni F, Norheim OF, Robberstad B. The role of evidence in the decision-making process of selecting essential medicines in developing countries: the case of Tanzania. *PLoS One.* 08.01.2014
- Yoshida S, Rudan I, Lawn JE, Wall S, Souza JP, Martines J, Bahl R; members of the neonatal health research priority setting group. Newborn health research priorities beyond 2015. *Lancet.* 19.05.2014
- Zachariah R, Guillemin N, Berger S, Kumar AM, Satyanarayana S, Bissell K, Edginton M, Hinderaker SG, Tayler-Smith K, Van den Bergh R, Khogali M, Manzi M, Reid AJ, Ramsay A, Reeder JC, Harries AD. Research to policy and practice change: is capacity building in operational research delivering the goods? *Trop Med Int Health.* 2014 Jun 9

### HIV:

- Fylkesnes K, Michelo C. Home-based voluntary HIV counselling and testing rooted in a community-oriented strategy in low resource setting. In: *Community-Oriented Health Services, Practices Across Disciplines*. Springer Publishing Company, 2014
- Molino L, Kumar AM, Isaakidis P, Van den Bergh R, Khogali M, Hinderaker SG, Magaia A, Lobo S, Gracia Edwards C, Walter J. High attrition among HIV-infected patients with advanced disease treated in an intermediary referral center in Maputo, Mozambique. *Glob Health Action.* 08.04.2014



- Ramokolo V, Lombard C, Fadnes LT, Doherty T, Jackson DJ, Goga AE, Chhagan M, Van den Broeck J. HIV infection, viral load, low birth weight, and nevirapine are independent influences on growth velocity in HIV-exposed South African infants. *J Nutr.* 01.01.2014
- Shayo EH, Våga BB, Moland KM, Kamuzora P, Blystad A. Challenges of disseminating clinical practice guidelines in a weak health system: the case of HIV and infant feeding recommendations in Tanzania. *Int Breastfeed J.* 2014 Dec 23
- Westerlund E, Jerene D, Mulissa Z, Hallström I, Lindtjørn B. Pre-ART retention in care and prevalence of tuberculosis among HIV-infected children at a district hospital in southern Ethiopia. *BMC Pediatr.* 04.10.2014

## Infections:

- Babirye JN, Engebretsen IM, Rutebemberwa E, Kiguli J, Nuwaha F. Urban settings do not ensure access to services: findings from the immunisation programme in Kampala Uganda. *BMC Health Serv Res.* 06.032014
- Lindsay BR, Chakraborty S, Harro C, Li S, Nataro JP, Sommerfelt H, Sack DA, Colin Stine O. Quantitative PCR and culture evaluation for enterotoxigenic Escherichia coli (ETEC) associated diarrhea in volunteers. *FEMS Microbiol Lett.* 01.03.2014
- Pereira PR, Isaakidis P, Hinderaker SG, Ali E, van den Boogaard W, Viana KS, Cassol R, Falci DR. Burden of isolation for multidrug-resistant organisms in a tertiary public hospital in Southern Brazil. *Am J Infect Control.* 03.12.2014
- Skrede S, Steinsland H, Sommerfelt H, Aase A, Brandtzaeg P, Langeland N, Cox RJ, Sævik M, Wallevik M, Skutlaberg DH, Tellevik MG, Sack DA, Nataro JP, Guttormsen AB. Experimental infection of healthy volunteers with enterotoxigenic Escherichia coli wild-type strain TW10598 in a hospital ward.*BMC Infect Dis.* 04.09.2014
- Taxt AM, Diaz Y, Bacle A, Grauffel C, Reuter N, Aasland R, Sommerfelt H, Puntervoll P. Characterization of immunological cross-reactivity between enterotoxigenic Escherichia coli heat-stable toxin and human guanylin and uroguanylin. *Infect Immun.* 28.04.2014

## Malaria:

- Maes P, Harries AD, Van den Bergh R, Noor A, Snow RW, Tayler-Smith K, Hinderaker SG, Zachariah R, Allan R. Can timely vector control interventions triggered by atypical environmental conditions prevent malaria epidemics? A case-study from wajir county, kenya. *PLoS One.* 03.04.2014
- Woyessa A, Deressa W, Ali A, Lindtjørn B. Ownership and use of long-lasting insecticidal nets for malaria prevention in Butajira area, south-central Ethiopia: complex samples data analysis. *BMC Public Health* 31.01.2014

## Mother/child:

- Awor P, Wamani H, Tylleskar T, Jagoe G, Peterson S. Increased access to care and appropriateness of treatment at private sector drug shops with integrated management of malaria, pneumonia and diarrhoea: a quasi-experimental study in Uganda. *PLoS One.* 26.12.2014
- Caulfield LE, Bose A, Chandyo RK, Nesamvuni C, de Moraes ML, Turab A, Patil C, Mahfuz M, Ambikapathi R, Ahmed T. Infant Feeding Practices, Dietary Adequacy, and Micronutrient Status Measures in the MAL-ED Study. *Clin Infect Dis.* 01.11.2014
- Chinkumba J, Allegri MD, Muula AS, Robberstad B. Maternal and perinatal mortality by place of delivery in sub-Saharan Africa: a meta-analysis of population-based cohort studies. *BMC Public Health.* 28.09.2014
- Cung TG, Paus AS, Aghbar A, Kiserud T, Hinderaker SG. Stillbirths at a hospital in Nablus, 2010: a cohort study. *Glob Health Action* 05.09.2014
- Darmstadt GL, Kinney MV, Chopra M, Cousens S, Kak L, Paul VK, Martinez J, Bhutta ZA, Lawn JE; for The Lancet Every Newborn Study Group. Who has been caring for the baby? *Lancet.* 19.05.2014
- Doherty T, Jackson D, Swanevelde S, Lombard C, Engebretsen IM, Tylleskär T, Goga A, Ekström EC, Sanders D; the PROMISE EBF

study group. Severe events in the first 6 months of life in a cohort of HIV-unexposed infants from South Africa: effects of low birth-weight and breastfeeding status. *Trop Med Int Health* 23.07.2014

- Engebretsen IM, Jackson D, Fadnes LT, Nankabirwa V, Diallo AH, Doherty T, Lombard C, Swanevelde S, Nankunda J, Ramokolo V, Sanders D, Wamani H, Meda N, Tumwine JK, Ekström EC, Van de Perre P, Kankasa C, Sommerfelt H, Tylleskär T. Growth effects of exclusive breastfeeding promotion by peer counsellors in sub-Saharan Africa: the cluster-randomised PROMISE EBF trial.*BMC Public Health.* 21.06.2014
- Mazumder S, Taneja S, Bahl R, Mohan P, Strand TA, Sommerfelt H, Kirkwood BR, Goyal N, Van Den Hombergh H, Martinez J, Bhandari N; on behalf of the Integrated Management of Neonatal and Childhood Illness Evaluation Study Group. Effect of implementation of Integrated Management of Neonatal and Childhood Illness programme on treatment seeking practices for morbidities in infants: cluster randomised trial. *BMJ.* 29.08.2014
- Mazumder S, Taneja S, Bhatia K, Yoshida S, Kaur J, Dube B, Toteja GS, Bahl R, Fontaine O, Martinez J, Bhandari N; for the Neovita India Study Group. Efficacy of early neonatal supplementation with vitamin A to reduce mortality in infancy in Haryana, India (Neovita): a randomised, double-blind, placebo-controlled trial. *Lancet.* 10.12.2014
- Mucunguzi S, Wamani H, Lochoro P, Tylleskär T. Effects of Improved Access to Transportation on Emergency obstetric Care Outcomes in Uganda. *African Journal of Reproductive Health.* 18.09.2014
- Ng Anjo Phiri S, Fylkesnes K, Ruano AL, Moland KM. 'Born before arrival': user and provider perspectives on health facility childbirths in Kapiri Mposhi district, Zambia. *BMC Pregnancy Childbirth* 16.09.2014
- Ng Anjo Phiri S, Kiserud T, Kvåle G, Byskov J, Evjen-Olsen B, Michelo C, Echoka E, Fylkesnes K. Factors associated with health facility childbirth in districts of Kenya, Tanzania and Zambia: a population based survey. *BMC Pregnancy Childbirth* 04.07.2014
- Rongsen-Chandola T, Strand TA, Goyal N, Flem E, Rathore SS, Arya A, Winje BA, Lazarus R, Shanmugasundaram E, Babji S, Sommerfelt H, Vainio K, Kang G, Bhandari N. Effect of withholding breastfeeding on the immune response to a live oral rotavirus vaccine in North Indian infants. *Vaccine* 11.08.2014
- Rongsen-Chandola T, Winje BA, Goyal N, Rathore SS, Mahesh M, Ranjan R, Arya A, Rafiqi FA, Bhandari N, Strand TA. Compliance of mothers following recommendations to breastfeed or withhold breast milk during rotavirus vaccination in North India: a randomized clinical trial. *Trials.* 2014 Jun 28
- Shrestha PS, Shrestha SK, Bodhidatta L, Strand T, Shrestha B, Shrestha R, Chandyo RK, Ulak M, Mason CJ. Bhaktapur, Nepal: The MAL-ED Birth Cohort Study in Nepal. *Clin Infect Dis.* 01.11.2014
- Timm S, Svanes C, Janson C, Sigsgaard T, Johannessen A, Gislason T, Jogi R, Omenaas E, Forsberg B, Torén K, Holm M, Bråbäck L, Schlünssen V. Place of upbringing in early childhood as related to inflammatory bowel diseases in adulthood: a population-based cohort study in Northern Europe. *Eur J Epidemiol.* 29.06.2014
- Ulak M, Chandyo RK, Adhikari RK, Sharma PR, Sommerfelt H, Refsum H, Strand TA. Cobalamin and folate status in 6 to 35 months old children presenting with acute diarrhea in bhaktapur, Nepal. *PLoS One.* 03.03.2014
- Yaya Y, Eide KT, Norheim OF, Lindtjørn B. Maternal and Neonatal Mortality in South-West Ethiopia: Estimates and Socio-Economic Inequality. *PLoS One.* 30.04.2014

## Nutrition:

- Aakre I, Bjørø T, Norheim I, Strand TA, Barikmo I, Henjum S. Excessive iodine intake and thyroid dysfunction among lactating Saharawi women. *J Trace Elem Med Biol.* 06.10.2014
- Basnet S, Mathisen M, Strand TA. Oral zinc and common childhood infections-An update. *J Trace Elem Med Biol.* 2014 May 22
- Engebretsen IM, Nankabirwa V, Doherty T, Diallo AH, Nankunda J, Fadnes LT, Ekström EC, Ramokolo V, Meda N, Sommerfelt H, Jackson D, Tylleskär T, Tumwine JK; PROMISE-EBF study group. Early infant feeding practices in three African countries: the PROMISE-EBF trial promoting exclusive breastfeeding by peer counsellors. *Int Breastfeed J.* 18.11.2014
- Hagos S, Lunde T, Mariam DH, Woldehanna T, Lindtjørn B. Climate change, crop production and child under nutrition in Ethiopia; a longitudinal panel study. *BMC Public Health.* 27.08.2014
- Kismul H, Schwinger C, Chhagan M, Mapatano M, Van den Broeck J. Incidence and course of child malnutrition according to clinical or anthropometrical assessment: a longitudinal study from rural DR Congo. *BMC Pediatr.* 28.01.2014



- Kismul H, Van den Broeck J, Lunde TM. Diet and kwashiorkor: a prospective study from rural DR Congo. PeerJ. 2014 Apr 15
- Schwinger, C; Lunde, TM; Andersen, P; Kismul, H; Van den Broeck, J. 2014. Seasonal and spatial factors related to longitudinal patterns of child growth in Bwamanda, DR Congo. Earth Perspectives. 18.11.2014

Occupational and environmental health:

- El Tayeb S, Abdalla S, Van den Bergh G, Heuch I. Use of healthcare services by injured people in Khartoum State, Sudan. Int Health. 08.09.2014
- Flo E, Pallesen S, Moen BE, Waage S, Bjorvatn B. Short rest periods between work shifts predict sleep and health problems in nurses at 1-year follow-up. Occup Environ Med. 2014 Jun 11
- Granslo JT, Bråtveit M, Hollund BE, Lygre SH, Svanes C, Moen BE. Airway Symptoms and Lung Function Among Male Workers in an Area Polluted From an Oil Tank Explosion. J Occup Environ Med. 21.08.2014
- Hanssen VM, Nigatu AW, Zeleke ZK, Moen BE, Bråtveit M. High prevalence of respiratory and dermal symptoms among Ethiopian flower farm workers. Arch Environ Occup Health. 15.01.2014
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