

CENTRE FOR INTERNATIONAL HEALTH

INFORMATION, ACTIVITIES AND ANNUAL REPORT 2013

UNIVERSITY OF BERGEN





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1. FROM THE CENTRE DIRECTOR

The Centre for International Health (CIH) is a challenging place to work!

The Centre has high aims and wants to improve the health situation in low- and middle income countries. We will accomplish this by undertaking research and education activities in partnership with colleagues in these countries. While CIH itself has many competent staff, including teachers, researchers and administrative personnel, the Centre's main strength is the many productive networks it has established over the years, with other institutions in developing countries.

This year researchers at CIH were awarded one of the Research Council of Norway's "Centre of Excellence" in recognition of the excellent quality of research and teaching on-going at CIH. Both the scientific staff and the administrative staff are acknowledged for their efforts and hard work to achieve this Centre of Excellence.

As 2013 has been CIH's 25th Anniversary Year, it is relevant to mention that the Centre has been led by five professors over the years. It is a challenge to ensure the continuation of their excellent work! It is fitting to acknowledge here the hard work and leadership of these men.

CIH started this year by being merged together with the Department of Public Health and Primary Health Care to become The Department of Global Public Health and Primary Care. These two units have had a joint administration since 2010. Now we face the challenge of balancing cooperation with the rest of the department with, at the same time, continuing to be CIH, a visible Centre with relations also to other Departments and Faculties at the University of Bergen and beyond.

CIH is 25 years old

We have high hopes for the future – to work for better health to make a better world – in cooperation with our partners in many countries. Let us continue the good work together!

Bergen, April 2014

Bente E. Moen Director, CIH



2. CAPACITY BUILDING FOR 25 YEARS

Autumn 2013 the Centre for International Health (CIH) celebrated 25 years of working to improve health in developing countries.

A pioneer in development-related research CIH has emphasised capacity building in both research and higher education; trying to answer the question – how can we improve health service delivery in low- and middle-income countries? CIH research is cross-cutting, multi-disciplinary reaching across Departments, Faculties, Institutions and countries. An important focus has been prevention, particularly in the area of child and maternal health.

CIH has been involved with the Ministry of Foreign Affairs and the Norwegian Ministry of Education to establish the Quota Programme to facilitate students from developing countries to come to Norway for graduate education opportunities not available in their home countries. Many of CIH's over 150 PhD and over 200 Master graduates have been Quota students.

When Professor Bjarne Bjorvatn was the first Centre Director in 1988, the focus was primarily Tropical Medicine. However, the need for a wider focus was recognized and CIH came into being. Professors Rune Nilsen, Bernt Lindtjørn, Gunnar Kvåle and Knut Fylkesnes followed and CIH is now established with ten professorships (100%) as well as several other staff members with high competence.

... from Tropical Medicine to International Health

CIH's high-quality, internationally competitive research is well documented. The research centre was classified as "excellent" in two external evaluations conducted by the Research Council of Norway (RCN) in 2003 and 2011. In 2012 CIH was awarded a Centre for Research Excellence from the RCN, the Centre for Intervention Science in Maternal and Child Health (CISMAC).

Previous leaders at CIH











Professors Bjarne Bjorvatn, Rune Nilsen, Bernt Lindtjørn, Gunnar Kvåle and Knut Fylkesnes.







3. CENTRE FOR INTERVENTION SCIENCE IN MATERNAL AND CHILD HEALTH (CISMAC).

CISMAC will undertake "intervention studies" that will provide information on how to effectively and equitably improve maternal and child health.

The Centre officially opened in October 2013, as a Research Council of Norway (RCN) funded Centre of Excellence that will receive funding for 10 years. It is an international consortium based at the University of Bergen (UiB) and includes research institutions in Ethiopia, India, Nepal, South Africa, Uganda and Zambia. It also collaborates with the World Health Organisation (WHO), the Chr. Michelsen Institute and the Norwegian Institute of Public Health. The Centre will engage in research projects in Asia and sub-Saharan Africa.

Although global child mortality has decreased significantly since 1990, it is estimated that nearly 20 000 children under 5 continue to die every day. However, CISMAC leader Halvor

Sommerfelt says that the deaths are just the tip of the iceberg – many more survive, but are scarred for life.

It is estimated that two-thirds of these deaths are "preventable" through relatively simple interventions. CISMAC will implement and evaluate various interventions that aim to reduce the mortality numbers. The Centre will disseminate the findings to global and national Maternal, Newborn and Child Health programmes.

The Centre of Excellence funding gives research groups a real advantage because the long funding period enables them to undertake larger, longer-term projects and to be able to see the effects.

CISMAC web site: www.cismac.org



4. ORGANISATION AND ADMINISTRATION

Due to the collaborative, network-based, international basis for CIH research and teaching, it is challenging to keep the list of those associated with and working at the Centre up-to-date. Apologies to anyone we may have missed!

Director

Knut Fylkesnes	Constituted Director until 1/9 2013 Professor/sabbatical from September 2013
Bente E. Moen	Director from 1/9 2013 Professor

Office/Administration

Most days at CIH			
Forshaw, Linda Karin	Academic Affairs, Master		
Haaland, Marte Emilie Sandvik	Project administration CISMAC (50%)		
Hope, Ingvild	Research Advisor		
Istad, Therese Marianne	Research & Communication		
Lavik, Borgny Kvalnes	Academic Affairs, Master		
Mørkedal, Øyvind	Economy		
Vikøren, Solfrid	Economy		

Most days at Department of Global Public Health and Primary Care (IGS); Kalfarveien 31		
Amundsen, Silje Katrin Reception		
Bere, Anja	Personnel	
Gundersen, Elin Christine	Project administration SEFAS, Research schools	
Hoshovde, Elin Economy		
Klokkerud, Trine Pernille	Project administration TVEPS, Quota students	
Mykkeltvedt, Alette Gilhus	Head of Administration	
Nordstrand, Kirsti	Academic Affairs, PhD	
Nåmdal, Erlend	Academic Affairs	
Oen, Randi May Academic Affairs Advisor		
Rekk, Marit Skjelbred	Academic Affairs Advisor	
Sæle, Kjell Rune	Economy	

Scientific Personnel at CIH

Blystad, Astrid	Professor (IGS employed)
Chandyo, Ram Krishna	Post doctor
Engebretsen, Ingunn Marie S	Researcher
Fadnes, Lars Tore	Postdoktor (IKO employed)
Fylkesnes, Knut Martin	Professor (sabbattical from 1/9)
Heggenhougen, Harald Kristian	Professor emeritus
Hinderaker, Sven Gudmund	Professor
Kvåle, Gunnar	Professor emeritus
Lindtjørn, Bernt	Professor
Mirkuzie, Alemnesh	Post doctor
Moen, Bente Elisabeth	Professor (CIH from 1/9, earlier IGS)
Moland, Karen Marie	Professor
Mustafa, Tehmina	Professor (50%)
Nilsen, Rune	Professor (sabbatical)
Norheim, Ole Fritjof	Professor (sabbatical – IGS employed)
Robberstad, Bjarne	Professor
Sandøy, Ingvild Fossgard	Post doctor CIH/Associate Professor IGS
Sommerfelt, Halvor	Professor
Steinsland, Hans	Researcher
Strand, Tor A	Professor (20%)
Svanes, Cecilie	Professor (50% from 1/8)
Tylleskär, Thorkild	Professor (sabbatical from 1/10)
Van den Broeck, Jan	Professor

Affiliated Scientific Personnel

Bakken, Vidar	Professor (K2)
Bjorvatn, Bjarne	Professor emeritus
Blomberg, Bjørn	Associate Professor II (K2)
Bråtveit, Magne	Professor (IGS)
Cimpan, Mihaela Roxana	Associate Professor (IKO)
Costea, Daniela	Professor (K1)
Gerdts, Eva	Professor (K2)
Grewal, Harleen	Professor (K2)
Howlett, William	Kilimanjaro Christian Medical Centre, Tanzania
Johansson, Ann-Katrin	Associate Professor (IKO)
Johansson, Kjell Arne	Associate Professor (IGS)
Johannessen, Anne Christine	Professor (IKO)
Kamal, Babikeir Eln Mustafa	Professor (IKO)
Karamagi, Charles	Associate Professor, Makerere University, Uganda
Kettunen, Paivi	Professor (Dept. of Biomed.)
Kiserud, Torvid	Professor (K2)
Langeland, Nina	Professor (MOF)
Leknes, Knut	Professor (IKO)
Lie, Rolv Terje	Professor (IGS)
Luukko, Keijo	Professor (IKO)
Lund-Johansen, Morten	Professor (K1)
Martinussen, Mihaela	Associate Professor (IKO)
Reed, Rolf	Professor (Biomed)
Rørtveit, Guri	Professor (IGS)
Sam, David	Professor (Faculty of psychology)
Skarstein, Kathrine	Professor (K1)
Svendsen, Erling	Haukeland University Hospital
Vasstrand, Endre	Professor (IKO)
Åstrøm, Anne Nordrehaug	Professor (IKO)

IGS Department of Global Public Health and Primary Care CIH Centre for International Health

CISMAC Centre for Intervention Science in Maternal and Child Health SEFAS Centre for Elderly and Nursing Home Medicine TVEPS Centre for Interprofessional Work-Place Learning in Primary Care

IKO Department of Clinical Dentistry K1 Department of Clinical Medicine K2 Department of Clinical Science MOF Faculty of Medicine and Dentistry

5. CANDIDATES IN COMPETENCE **BUILDING PROGRAMMES**

Doctoral Candidates

Doctoral Candidates	
Doctoral Candidates	Supervisor
Awor, Phyllis	Thorkild Tylleskär/Henry Wamani
Ayele, Abebe Animut	Bernt Lindtjørn
Babirye, Juliet N.	Ingunn Engebretsen
Balla, Yaliso Yaya	Bernt Lindtjørn / Ole Fritjof Norheim
Banda, Richard	Ingvild Sandøy / Knut Fylkesnes
Barikmo, Ingrid Elisabet	Liv E. TorheimTor Strand/Arne Oshaug
Basnet, Sudha	Tor Strand/Halvor Sommerfelt
Bech, Margunn Margrete	(on leave)
Birungi, Nancy	Anne Nordrehaug Åstrøm
Blume, Jörn	Thorkild Tylleskär
Chinkhumba, Jobiba	Bjarne Robberstad
Dalen, Nina	David Sam/Johanne Sundby
Dangisso, Mesay Hailu	Bernt Lindtjørn
Defaye, Frehiwot	Ingrid Milijeteig / Ole Frithjof Norheim
Duong, Thanh Cong	Knut Fylkesnes / Karen Marie Moland
El Tayeb, Sally	Graziella van den Bergh/Ivar Hoech
Fatima, Razia Kaniz	Sven Gudmund Hinderaker
Gebreyesus, Seifu	Bernt Lindtjørn
Hamusse, Shallo Daba	Bernt Lindtjørn
Hangoma, Peter	Bjarne Robberstad
Haugen, Johanne	Tor Strand
Hussain, Hamidad Farid	Bjarne Robberstad
Katiray, Leila	Thorkild Tylleskär
Kilale, Andrew	Sven Gudmund Hinderaker
Kirunda, Barbara Eva	Jan Van den Broeck / Karen Marie Moland
Kismul, Hallgeir	Jan Van den Broeck / Karen Marie Moland
Klungsøyr, Jørn Ivar	Thorkild Tylleskär
Mori, Amani Thomas	Bjarne Robberstad
Muhumuza, Julius	Sven Gudmund Hinderaker
Mwangala, Sheila Monde	Knut Fylkesnes
Ng'anjo, Selia	Knut Fylkesnes / Karen Marie Moland
Nigatu, Amare	Bente E. Moen / Magne Bråtveit
Ramokolo, Vundli	Jan Van den Broeck

Doctoral Candidates continued

Rongsen-Chandola, Temsunaro	Tor Strand
Rutagwera, David Gatsinzi	Thorkild Tylleskär
Schwinger, Catherine	Jan Ven den Broeck
Senkoro, Mbazingwa Fikeni	Sven Gudmund Hinderaker
Shayo, Elizabeth H.	Astrid Blystad
Shrestha, Jasmin	Tor Strand
Shrestha, Sanjaya	Tor Strand
Some, Nagaonlé Eric	Thorkild Tylleskär
Taxt, Arne Michael	Pål Puntervold/Halvor Sommerfelt
Ulesido, Fekado Massebo	Bernt Lindtjørn
Woldesemayat, Endrios Markos	Bernt Lindtjørn
Aakre, Inger	Tor Strand

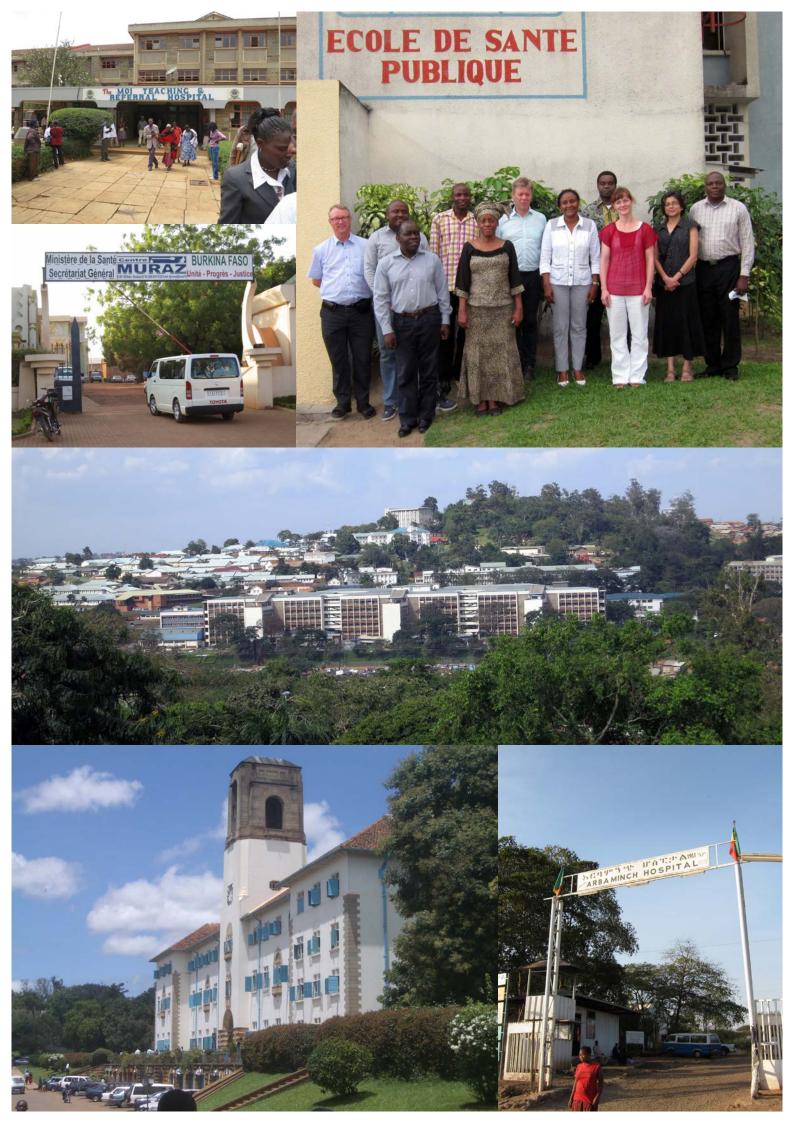
Master candidates

Finishing in 2013 (2011–2013)	2012–2014	Beginning in 2013 (2013–2015)
Al-Adhami, Rafal	Al-Ashtal, Amin Mohsen Saleh	Ahmed, Israa Abdul Rhman
Angelshaug, Jeanette	Amare, Ephrem Bililigne	Coons, Claudia
Gharaei, Maryam A. *	Dalaker, Kirsten	Corosky, Gregory
Jala, Rohini	Ibrahim, Mohamed	Denegetu, Tsion Haileyesus
Javed, Asma *	Kiær, Ingrid	Hailu, Alemayehu
Kampata, Linda (2010-2013)	Konstantinova, Victoria	Jalloh, Edeen
Mahande, Aneth *	Lasrado, Olivia	Meki, Chisala
Mørkve, Åse	Memirie, Solomon Tessema	Mohamed Ahmed, Samih
Ojukwu, Everest E. *	Mrema, Dorah Elisonguo	Shahzad, Yasir
Parmar, Binod	Nigatu, Amare Workiye	Tewelde, Mengs Gebremeskel
Shrestha, Pritam Lal *	Nilsen, Cecilie	Yigezaw, Getachew Shiferaw
* deadline extended past 2013	Pandey, Poonam Zgambo, Jessy	
	Rutagwera, David Gatsinzi	
	Shrestha, Rachana	
	Senkoro, Kesheni Paulo	
	Some, Nagaonle Eric	
	Thommesen, Trude Gro	
	Timilsina, Diwas	

Degrees Awarded in 2013

Doctoral Degrees (8)	ctoral Degrees (8) Thesis title	
Byamugish, Robert	Prevention of mother-to-child transmission of HIV programme in Eastern Uganda: Men's involvement in a changing HIV testing policy context	
Kahabuka, Catherine	Care seeking and management of common childhood illnesses in Tanzania: Questioning the quality of primary care services	
Kayeyi, Nkomba	Trends in HIV Prevalence and Sexual Behaviour among Young People in Zambia: geographical and socio-economic differentials.	
Lunde, Torleif Markussen	On the dynamics of two efficient malaria vectors of the Afrotropical region: Anopheles gambiae s.s. and Anopheles arabiensis.	
Mbawalla, Hawa Shariff	Planning, implementation and evaluation of a school program to promote oral health among Tanzanian adolescents	
Shumbullo, Eskindir Loha	oha Variation in malaria transmission in southern Ethiopia: The impact of prevention strategies and a need for targeted intervention	
Spjeldnæs, Ingrid Onarheim	Family values in Limpopo, South Africa. A socio-cultural psychological study on perceptions and experiences of reproduction and parenthood	
Østebø, Marit Tolo	Translations of Gender Equality in International Aid. Perspectives from Norway and Ethiopia	

Master Degrees (5)	Thesis title	
Al-Adhami, Rafal	Incidence and dietary risk factors of goitre in children in a rural area/D.R. Congo	
Angelshaug, Jeanette	Increasing demand for health facility birth. A qualitative study exploring barriers and facilitators for skilled care utilization in the Amhara Region, Ethiopia	
Kampata, Linda Milimo	Individual and community level factors predicting condom use at last sexual encounter in the general population of a rural Zambian district	
Mørkve, Åse	"Getting rid of the plague": jiggers removal program in Bungoma, Kenya. Community and health workers perspectives on tungiasis in a high prevalence area	
Parmar, Binod Kumar	Differentiating intrauterine growth-restriction at a referral hospital in Nepal: Patan hospital	

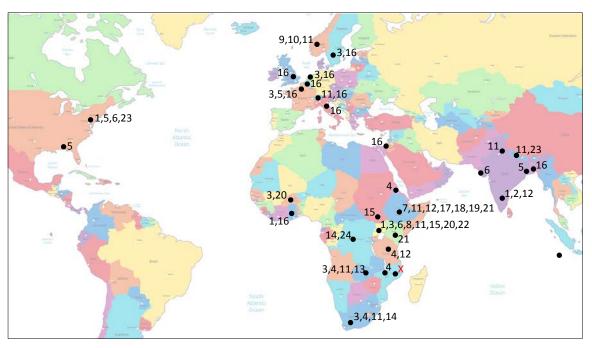


6. CIH INTERNATIONAL ACTIVITY (COLLABORATIONS / PARTNERS / NETWORKS)

Afr	ica	Asi	ia
1.	Addis Ababa University, Ethiopia	1.	All India Institute of Medical Sciences, New Dehli, India
2.	Addis Ababa City Admin. Health Bureau	2.	Association for Social Development (ASD), Pakistan
3.	Ahfad University for Women, Sudan	3.	Centre for DNA Fingerprinting & Diagnostics, Hyderabad, India
4.	African Medical Research Foundation (AMREF)	4.	Interactive Research & Development IRD Karachi, Pakistan
5.	Arba Minch University, Arba Minch, Ethiopia	5.	Kathmandu University, Nepal
6.	Armauer Hansen Research Institute, Ethiopia	6.	National Institute of Public Health, Phnom Penh, Cambodia
7.	Centre Muraz, Burkina Faso	7.	St. John's Research Institute at St. John's Medical College, India
8.	Effective Care Research Unit, University of the Witwatersrand, Johannesburg, South Africa	8.	Translational Health Science and Technology Institute (THSTI), India
9.	Hawassa University, Ethiopia	9.	Pediatric Biology Centre at THSTI, India
10.	Haydom Lutheran Hospital, Tanzania	10.	Tribhuvan University, Kathmandu, Nepal
11.	Ifakara Health Institute, Dar-es-Salaam, Tanzania	11.	University of Science and Technology, Yemen
12.	Institute of Social Work, Gender and Development, Dar-es-Salaam		
13.	Kilimanjaro Christian Medical Centre (KCMC), Tanzania		
14.	Makerere University, Kampala, Uganda		
15.	Ministry of Health and Social Welfare, Tanzania		
16.	Muhimbili University of Health and Allied Sciences (MUHAS), Tanzania		
17.	National Institute of Medical Research (NIMR), Tanzania		
18.	National meterological agency of Ethiopia, Addis Ababa (NMAE)		
19.	School of Public Health, University of Kinshasa, Democratic Republic of the Congo		
20.	Sudan University of Science and Technology, Sudan		
21.	University of Dar-es-Salaam, Tanzania		
22.	University of Fort Hare, South Africa		
23.	University of Khartoum, Sudan		
24.	University of Lomé, Department of Public Health and Epidemiology, Togo		
25.	University of Nairobi, Kenya		
26.	University of Stellenbosch, South Africa		
27.	University of the Western Cape, South Africa		
28.	University of the Witswatersrand, South Africa		
29.	University of Zambia		

7. MAIN PROJECTS

A large number of projects are run at CIH. We mention the main ones here – they show clearly the large network of Centre activities.



world map illustration: colourbox.no

NFR

- '			
1.	OMEVAC (Open Mobile Electronic Vaccine Trials), an interdisciplinary project to improve quality of vaccine trials in low-resource settings	2008-2013	Tylleskär, Thorkild
2.	Preparing for tuberculosis vaccine efficacy trials: Baseline epidemiology, improved diagnosis, markers of protection and phasel/II trials	2008-2016	Grewal, Harleen
3.	Phase III double blind placebo-controlled trial of infant periexposure prophylaxies with 3TC to prvent HIV-1 transmission by breastfeeding	2008-2013	Tylleskär, Thorkild
4.	Searching for effective HIV-prevention and care in sub-Saharan Africa: focusing on local contexts	2008-2013	Fylkesnes, Knut Martin
5.	Developing vaccines against diarrhea caused by Enterotoxigenic Escherichia coli and Shigella (EntVac)	2008-2013	Sommerfelt, Halvor
6.	MVAC – Mobile innovations in recording child vaccination and health data in immunization registers	2010-2013	Tylleskär, Thorkild
7.	Combining indoor residual spraying and long-lasting insecticidal nets for preventing malaria: Clust randomized trial in Ethiopia	2012-2017	Lindtjørn, Bernt
8.	SeeTheChild – Mental child health in Uganda	2013-2017	Engebretsen, Ingunn Marie S.
9.	Norwegian Forum for Global Health Research	2013-2015	Istad, Therese Marianne; Scheel, Inger B.
10.	Joining forces to produce next-generation vaccines against enterotoxigenic Esherichia coli	2013	Sommerfelt, Halvor
11.	Centre of Excellence: Centre for Intervention Science in Maternal and Child Health (CISMAC)	2013-2023	Sommerfelt, Halvor

NORAD, NOMA, NORHED

12	Sandwich programme for M Med and M Sc degrees in clinical medicine	2009-2014	Langeland, Nina
13	Master of Science in Epidemiology	2011-2014	Fylkesnes, Knut Martin
14	GROW NUT – Growing Parnership for Higher Education and Research in Nutritional Epidemiology in DR Congo	2013-2018	Van den Broeck, Jan
15	SURVIVAL PLUSS: Increasing capacity for mama-baby survival in post- conflict Uganda and South Sudan	2013-2018	Tylleskär, Thorkild

Projects with other funding sources

16	EU	STOPENTERICS-Vaccination against Shigella and ETEC: novel antigens, novel approaches	2010-2014	Sommerfelt, Halvor
17– 19	Fredskorpset	Fredskorpset III – V Addis-Bergen Neurosurgery Service and Training Programme	2012-2014	Nilsen, Rune; Istad, Therese Marianne; Lund-Johansen, Morten
20	Grand Challenges Canada	Saving Brains; Identifying Early Life Interventions That Promote the Fulfillment of Human Capital: Saving Brains in Ugand and Burkina Faso (PROMISE SB)	2012-2014	Tylleskär, Thorkild
21	Lærdal Foundation AM	Improving Maternal and Newborn Health Outcomes in Addis Ababa through skills training; an intervention cohort study	2013-2014	Karen Marie Moland; Mirkuzie, Alemnesh
22	Lærdal Foundation AM	Randomized clinical trial assessing laryngeal mask (LMA) versus face-mask ventilation in neonatal resuscitation in Uganda	2012-2015	Tylleskär, Thorkild
23	Rieber Fund	Nutrition and brain development in small children in Nepal	2012-2014	Strand, Tor A
24	Rieber Fund	Acceptability of a wheat-based ready-to-use therapeutic food (RUTF)	2013-2014	Schwinger (Kaulfuss), Catherine



8. EDUCATION

Master in International Health

CIH has run three Master's 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

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 2013:

SPRING 2013	AUTUMN 2013			
INTH323A Qualitative Methods for International Public Health	HELSTA Statistical Methods in Health Science			
INTH329 The HIV pandemic: Research challenges to improve prevention, support and care	INTH301 Basic Course in Research Tools and Theory			
INTH328A Global TB Epidemiology and Intervention	INTH302 Epidemiology			
INTH325 Culture and Psycopathology – Mental Health in a Cross-Cultural Perspective	INTH 304 Major Global Health Problems			
INTH356 Observational Epidemiology: Survey, Cohort and Case-Control Studies	INTH316 Health Systems			
INTH321A Experimental Epidemiology	INTH360 Global Nutrition			
INTH340 War, violence and health	INTH330 Proposal development			
INTH313 Globalization and Health	INTH310A Introduction to Occupational Health			
MEDINTH-B International Health	MEDINTH-A International Health			



Global Health for medical students

All students are offered a week's course in Global Health, in the 6^{th} year of the curriculum. In addition, CIH offers an elective course for committed medical students with the opportunity to focus on International Health issues through a concentrated period of exciting lectures and an eight-week field visit in India, Tanzania or South Africa.

Theoretical portion

The course begins with a 6-week series of lectures, where students receive an introduction to Global Health. Topics presented are public health, major global diseases, ethical issues and topics such as the interaction between health, politics and poverty. The students also receive an introduction into medical examination techniques, so they are equipped to deal with patients during the field stay.

Practical portion

After completing the theoretical portion of the course at UiB, the students visit the field at one of the partner institutions in India, Uganda, Tanzania or Sri Lanka. This part of the course consists of observations and practical training either in hospitals or clinics. Other activities may include visits to village centres, mobile clinics and mother-child clinics. During weekends the students have time off, and often have excursions.

Award-winning!

In 2011, CIH's Global Health course was awarded the Faculty's education award for the way it highlights the importance of the global aspects of medicine. The same year it was also awarded UiB's education award, the "Ugleprisen" (The Owl Award), presented to the UiB course deemed to have the highest academic quality.

Learn more about the course here: www.uib.no/mofa/en/education/the-global-health-course

Medical Student Research Programme

CIH has also benefited from having medical students being involved in its research activity. Students included: Andrea Melberg; Vilde Skylstad; Ingeborg Ribe.

9. PUBLICATION LIST

- Ade S, Harries AD, Trébucq A, Hinderaker SG, Adè G, Agodokpessi G, Affolabi D, Anagonou S. National profile and treatment outcomes of adult smear-negative pulmonary TB patients in Benin. Trans R Soc Trop Med Hyg. 11.11.2013
- Ade S, Harries AD, Trébucq A, Hinderaker SG, Ade G, Agodokpessi G, Affolabi D, Koumakpaï S, Anagonou S, Gninafon M. The burden and outcomes of childhood tuberculosis in Cotonou, Benin Public Health Action 2013
- Animut A, Balkew M, Gebre-Michael T, Lindtjørn B. Blood meal sources and entomological inoculation rates of anophelines along a highland altitudinal transect in south-central Ethiopia. Malar J. 23.2.2013
- Animut A, Balkew M, Lindtjørn B. Impact of housing condition on indoor-biting and indoor-resting Anopheles arabiensis density in a highland area, central Ethiopia. Malar J. 5.11.2013
- Baste, Valborg; Hanoa, Rolf Otto; Moen, Bente Elisabeth. Reliability of a Work- and Health-related Questionnaire Among Coal Miners. Journal of Occupational and Environmental Medicine 2013
- Bishinga A, Zachariah R, Hinderaker S, Taylor-Smith K, Khogali M, van Griensven J, van den Boogaard, Tamura M, Christiaens B, Sinabajije G. High loss to follow-up following obstetric fistula repair surgery in rural Buriubdui: is there a way forward? PHA 2013
- Boivin MJ, Okitundu D, Makila-Mabe Bumoko G, Sombo MT, Mumba D, Tylleskar T, Page CF, Tamfum Muyembe JJ, Tshala-Katumbay D. Neuropsychological Effects of Konzo: A Neuromotor Disease Associated With Poorly Processed Cassava. Pediatrics. 25.3.2013
- Boivin MJ, Okitundu D, Makila-Mabe Bumoko G, Sombo MT, Mumba D, Tylleskar T, Page CF, Tamfum Muyembe JJ, Tshala-Katumbay D. Neuropsychological effects of konzo: a neuromotor disease associated with poorly processed cassava. Pediatrics. 1.4.2013
- Campos-Serna, Javier; Ronda-Perez, Elena; Artazcoz, Lucia; Moen, Bente Elisabeth; Benavides, Fernando G.

 Gender inequalities in occupational health related to the unequal distribution of working and employment conditions:
 a systematic review. International Journal for Equity in Health 2013
- Campos-Serna, Javier; Ronda-Perez, Elena; Moen, Bente Elisabeth; Artazcoz, Lucia; Benavides, Fernando G. Welfare state regimes and gender inequalities in the exposure to work-related psychosocial hazards. International journal of occupational and environmental health 2013
- Canova, Cristina; Heinrich, Joachim; Anto, Josep Maria; Leynaert, Bénédicte; Smith, Matthew; Kuenzli, Nino; Zock, Jan-Paul; Janson, Christer; Cerveri, Isa; de Marco, Roberto; Torén, Kjell; Gíslason, Thorarinn; Nowak, Dennis; Pin, Isabelle; Wjst, Matthias; Manfreda, Jure; Svanes, Cecilie; Crane, Jukian; Abramson, Michael; Burr, Michael; Burney, Peter; Jarvis, Deborah. The influence of sensitisation to pollens and moulds on seasonal variations in asthma attacks. European Respiratory Journal 2013
- Chhagan MK, Van den Broeck J, Luabeya KK, Mpontshane N, Bennish ML. Cost of childhood diarrhoea in rural South Africa: exploring cost-effectiveness of universal zinc supplementation. Public Health Nutr. 1.8.2013
- Chipimo, PJ and Fylkesnes, K. Human Immunodeficiency Virus Infection and Co-Morbid Mental Distress INTECH 2013. In Current Perspectives in HIV Infection.
- Chipimo, PJ and Fylkesnes, K. Case-finding for mental distress in primary health care: An evaluation of the performance of a five-item screening instrument Health 2013
- Chola L, Fadnes LT, Engebretsen IM, Tumwine JK, Tylleskar T, Robberstad B; PROMISE EBF Study Group. Infant feeding survival and Markov transition probabilities among children under age 6 months in Uganda. Am J Epidemiol. 1.3.2013
- de Vogel S, Ulvik A, Meyer K, Ueland PM, Nygård O, Vollset SE, Tell GS, Gregory JF 3rd, Tretli S, Bjørge T. Sarcosine and other metabolites along the choline oxidation pathway in relation to prostate cancer a large nested case-control study within the JANUS cohort in Norway. Int J Cancer. 25.6.2013

- El Tayeb S, Abdalla S, Heuch I, Van den Bergh G. Socioeconomic and disability consequences of injuries in the Sudan: a community-based survey in Khartoum State. Inj Prev. 13.11.2013
- Finger JD, Tylleskär T, Lampert T, Mensink GB. Dietary behaviour and socioeconomic position: the role of physical activity patterns. PLoS One. 6.11.2013
- Fylkesnes, K., Sandøy, I. F, Jürgensen M, Chipimo, P., Mwangala, S, Michelo C. Strong effects of home-based VCT on acceptance and equity: a cluster randomised trial in Zambia. Social Science & Medicine 2013
- Girma M, Yaya Y, Gebrehanna E, Berhane Y, Lindtjørn B.
- Lifesaving emergency obstetric services are inadequate in south-west Ethiopia: a formidable challenge to reducing maternal mortality in Ethiopia. BMC Health Serv Res. 4.11.2013
- Gjerde JL, Rortveit G, Muleta M, Blystad A. Silently waiting to heal: experiences among women living with urinary incontinence in northwest Ethiopia. Int Urogynecol J. 01.06.2013
- Gundersen, Hilde; Magerøy, Nils; Moen, Bente Elisabeth; Bråtveit, Magne. Traffic Density in Area of Residence is Associated With Health-Related Quality of Life in Women, The Community-Based Hordaland Health Study. Archives of Environmental & Occupational Health 2013
- Harries AD, Kumar AMV, Satyanarayana S, Bissell K, Hinderaker SG, Edginton M, Reid AJ, Zachariah R References for scientific papers: why not standardise to one global style? Public Health Action 2013
- Hinderaker SG, Fatima R. Lost in time and space: the outcome of patients transferred out from large hospitals. PHA
- Jürgensen M, Sandøy IF, Michelo C, Fylkesnes K, Mwangala S, Blystad A. The seven Cs of the high acceptability of home-based VCT: Results from a mixed methods approach in Zambia. Sos Sci Med. 8.8.2013
- Jürgensen M, Sandøy IF, Michelo C, Fylkesnes K; ZAMACT Study Group. Effects of home-based Voluntary Counselling and Testing on HIV-related stigma: Findings from a cluster-randomized trial in Zambia. Soc Sci Med. 1.3.2013
- Kahabuka C, Kvåle G, Hinderaker SG. Care-seeking and management of common Childhood illnesses in Tanzania . Results from the 2010 Demographic and Health Survey. PLoS ONE 2013
- Kayeyi N, Fylkesnes K, Wiium N, Sandøy IF. Decline in Sexual Risk Behaviours among Young People in Zambia (2000–2009): Do Neighbourhood Contextual Effects Play a Role? PLoS ONE 23.5.2013
- Kilale AM, Kimaro GD, Kahwa AM, Chilagwile M, Ngowi BJ, Chande H, Mfinanga GS, Hinderaker SG. High prevalence of tuberculosis diagnosed during autopsy examination at Muhimbili National Hospital in Dar-es-Salaam, Tanzania Tanzania Journal of Health Research 2013
- Kilale AM, Ngowi BJ, Mfinanga GS, Egwaga S, Doulla B, Kumar AMV, Khogali M, van Griensven J, Harries AD, Zachariah R, Hinderaker SG. Are sputum samples of retreatment tuberculosis reaching the reference laboratories? A 9 year audit in Tanzania PHA 2013
- Kotloff KL, Nataro JP, Blackwelder WC, Nasrin D, Farag TH, Panchalingam S, Wu Y, Sow SO, Sur D, Breiman RF, Faruque AS, Zaidi AK, Saha D, Alonso PL, Tamboura B, Sanogo D, Onwuchekwa U, Manna B, Ramamurthy T, Kanungo S, Ochieng JB, Omore R, Oundo JO, Hossain A, Das SK, Ahmed S, Qureshi S, Quadri F, Adegbola RA, Antonio M, Hossain MJ, Akinsola A, Mandomando I, Nhampossa T, Acácio S, Biswas K, O'Reilly CE, Mintz ED, Berkeley LY, Muhsen K, Sommerfelt H, Robins-Browne RM, Levine MM. Burden and aetiology of diarrhoeal disease in infants and young children in developing countries (the Global Enteric Multicenter Study, GEMS): a prospective, case-control study. Lancet 1.5.2013
- Kumar T, Taneja S, Yajnik CS, Bhandari N, Strand TA, Study Group. Prevalence and predictors of anemia in a population of North Indian children. Nutrition. 15.10.2013
- Kvestad I, Taneja S, Kumar T, Bhandari N, Strand TA, Hysing M. The assessment of developmental status using the ages and stages questionnaire-3 in nutritional research in north Indian young children. Nutr J. 1.4.2013

Lillienberg, Linnéa; Andersson, Eva; Janson, Christer; Dahlman-Höglund, Anna; Forsberg, Bertil; Holm, Mathias; Gíslason, Thorarinn; Jögi, Rain; Omenaas, Ernst; Schlünssen, Vivi; Sigsgaard, Torben; Svanes, Cecilie; Torén, Kjell. Occupational exposure and new-onset asthma in a population-based study in Northern Europe (RHINE). Annals of Occupational Hygiene 2013

- Lindsay B, Ochieng B, Ikumapayi U, Aliou T, Ahmed D, Li S, Panchalingam S, Levine MM, Kotloff K, Rasko DA, Morris CR, Juma J, Fields BS, Dione M, Malle D, Becker SM, Houpt ER, Nataro JP, Sommerfelt H, Pop M, Oundo J, Antonio M, Hossain A, Tamboura B, Stine OC. Quantitative Polymerase Chain Reaction for Detection of Shigella Improves Ascertainment of Shigella Burden in Children with Moderate to Severe Diarrhea in Low Income Countries. J Clin Microbiol. 27.3.2013
- Lunde TM, Balkew M, Korecha D, Gebre-Michael T, Massebo F, Sorteberg A, Lindtjørn B. A dynamic model of some malaria-transmitting anopheline mosquitoes of the Afrotropical region. II. Validation of species distribution and seasonal variations. Malar J. 25.2.2013.
- Lunde TM, Korecha D, Loha E, Sorteberg A, Lindtjørn B. A dynamic model of some malaria-transmitting anopheline mosquitoes of the Afrotropical region. I. Model description and sensitivity analysis. Malar J. 23.1.2013
- Lunde TM, Lindtjørn B. Cattle and climate in Africa: How climate variability has influenced national cattle holdings from 1961-2008. Peerj. 1.3.2013
- Macsali, Ferenc; Svanes, Cecilie; Sothern, R. B.; Benediktsdottir, Bryndis; Bjørge, Line; Dratva, J; Franklin, Karl A.;
 Holm, M.; Janson, C; Johannessen, Ane; Lindberg, E.; Omenaas, Ernst; Schlunssen, Vivi; Zemp, E; Real, FG.
 Menstrual Cycle and Respiratory Symptoms in a General Nordic-Baltic Population. American Journal of Respiratory and Critical Care Medicine 2013
- Massebo F, Balkew M, Gebre-Michael T, Lindtjørn B. Blood meal origins and insecticide susceptibility of Anopheles arabiensis from Chano in South-West Ethiopia. Parasit Vectors. 22.2.2013
- Massebo F, Balkew M, Gebre-Michael T, Lindtjørn B. Entomologic Inoculation Rates of Anopheles arabiensis in Southwestern Ethiopia. Am J Trop Med Hyg. 22.7.2013
- Massebo F, Lindtjørn B. The effect of screening doors and windows on indoor density of Anopheles arabiensis in south-west Ethiopia: a randomized trial. Malar J. 1.9.2013
- Megabiaw B, Adefris M, Rortveit G, Degu G, Muleta M, Blystad A, Kiserud T, Melese T, Kebede Y. Pelvic floor disorders among women in Dabat district, northwest Ethiopia: a pilot study. Int Urogynecol J. 1.7.2013
- Mi F, Tan S, Liang L, Harries AD, Hinderaker SG, Lin Y, Yue W, Chen X, Liang B, Gong F, Du J. Diabetes mellitus and tuberculosis: pattern of tuberculosis, two-month smear conversion and treatment outcomes in Guangzhou, China. Trop Med Int Health. 2013, Sep 23
- Moen, Bente Elisabeth; Wieslander, G; Bakke, Jan Vilhelm; Norbäck, D. Subjective health complaints and psychosocial work environment among university personnel. Occupational Medicine 2013
- Mori, Amani Thomas; Gavaza, Paul; Robberstad, Bjarne. Role of pharmacoeconomics in developing countries. Farmeconomia. Health economics and therapeutic pathways 2013
- Mselle LT, Moland KM, Mvungi A, Evjen-Olsen B, Kohi TW. Why give birth in health facility? Users' and providers' accounts of poor quality of birth care in Tanzania. BMC Health Serv Res. 1.5.2013
- Møllerløkken, Ole Jacob; Magerøy, Nils; Bråtveit, Magne; Lind, Ola; Moen, Bente Elisabeth. Forte fortissimo for amateur musicians No effect of otoacoustic emissions. Medical problems of performing artists 2013
- Ngoy BB, Zachariah R, Hinderaker SG, Khogali M, Manzi M, van Griendsven J, Ayada L, Jemmy JP, Maalim A, Amin H. Paediatric in-patient care in a conflict-torn region of Somalia: are hospital outcomes of acceptable quality? PHA 2013
- Norbäck, Dan; Zock, Jan-Paul; Plana, Estel; Heinrich, Joachim; Svanes, Cecilie; Sunyer, Jordi; Künzli, Nino; Villani, Simona; Olivieri, Mario; Soon, Argo; Jarvis, Deborah. Mould and dampness in dwelling places, and onset of asthma: the population-based cohort ECRHS. Occupational and Environmental Medicine 2013

- Oladimeji O, Isaakidis P, Zachariah R, Hinderaker SG, Koghali M, van Griensven J, Harries AD, Edginton M. Oops, what about ethics? Public Health Action, 2013
- Olsen, Jan Abel; Kristiansen, Ivar Sønbø; Magnussen, Jon; Norheim, Ole Frithjof; Robberstad, Bjarne. Fagkritikkens utfordringer. Tidsskrift for Den norske legeforening 2013
- Perre PV, Tylleskär T, Delfraissy JF, Nagot N. How evidence based are public health policies for prevention of mother to child transmission of HIV? BMJ. 1.6.2013
- 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. 6.11.2013
- Robberstad B, Akselsen PE, Kværner KJ, Berstad AK. Response to "reply to: economic evaluation of second generation pneumococcal conjugate vaccines in Norway". Vaccine. 1.1.2013
- Robberstad, Bjarne; Askildsen, Jan Erik; Norheim, Ole Frithjof. Styrer budsjettkonsekvens norske refusjonsprioriteringar? Tidsskrift for Den norske legeforening 2013
- Roelen, Corné A.M.; Bültmann, Ute; Groothoff, Johan; van Rhenen, Willem; Magerøy, Nils; Moen, Bente Elisabeth; Pallesen, Ståle; Bjorvatn, Bjørn. Physical and mental fatigue as predictors of sickness absence among Norwegian nurses. Research in Nursing & Health 2013
- Roelen, Corné A. M.; Magerøy, Nils; van Rhenen, W; Groothoff, Johan W; van der Klink, JJ; Pallesen, Ståle; Bjorvatn, Bjørn; Moen, Bente Elisabeth. Low job satisfaction does not identify nurses at risk of future sickness absence: Results from a Norwegian cohort study. International Journal of Nursing Studies 2013
- Roelen C1, van Rhenen W, Schaufeli W, van der Klink J, Magerøy N, Moen B, Bjorvatn B, Pallesen S.

 Mental and physical health-related functioning mediates between psychological job demands and sickness absence among nurses. J Adv Nurs. 2013 Dec 23.
- Rujumba J, Neema S, Tumwine JK, Tylleskär T, Heggenhougen HK. Pregnant women's experiences of routine counselling and testing for HIV in Eastern Uganda: a qualitative study. BMC Health Serv Res. 1.5.2013
- Sakwari G, Mamuya SH, Brâtveit M, Moen BE. Respiratory Symptoms, Exhaled Nitric Oxide, and Lung Function Among Workers in Tanzanian Coffee Factories. J Occup Environ Med. 24.4.2013
- Sakwari, Gloria; Mamuya, Simon Henry David; Bråtveit, Magne; Larsson, Lennart; Pehrson, Christina; Moen, Bente Elisabeth. Personal exposure to dust and endotoxin in robusta and arabica coffee processing factories in Tanzania. Annals of Occupational Hygiene 2013
- Sakwari, Gloria; Mamuya, Simon Henry David; Bråtveit, Magne; Moen, Bente Elisabeth.

 Respiratory symptoms, exhaled nitric oxide, and lung function among workers in Tanzanian coffee factories.

 Journal of Occupational and Environmental Medicine 2013
- Shayo EH, Mboera LE, Blystad A. Stakeholders' participation in planning and priority setting in the context of a decentralised health care system: the case of prevention of mother to child transmission of HIV programme in Tanzania. BMC Health Serv Res. 1.7.2013
- Storemark SS, Fossum IN, Bjorvatn B, Moen BE, Flo E, Pallesen S. Personality factors predict sleep-related shift work tolerance in different shifts at 2-year follow-up: a prospective study. BMJ Open 4.11.2013
- Tayeb SE, Abdalla S, Mørkve O, Heuch I, Van den Bergh G. Injuries in Khartoum state, the Sudan: a household survey of incidence and risk factors. Int J Inj Contr Saf Promot. 8.5.2013
- Tungu, Alexander Mtemi; Bråtveit, Magne; Mamuya, Simon Henry David; Moen, Bente Elisabeth. Fractional exhaled nitric oxide among cement factory workers: a cross sectional study. Occupational and Environmental Medicine 2013
- Tungu AM, Bråtveit M, Mamuya SH, Moen BE. The impact of reduced dust exposure on respiratory health among cement workers: an ecological study. J Occup Environ Med. 2013 Dec 17.

.....

- Van den Broeck, Jan; Brestoff, Jonathan R.; Friedman, A.; Becker, N; Hoaglin, M; Robberstad, Bjarne. The Measurement Plan. I: Epidemiology: Principles and Practical Guidelines. Elsevier 2013.
- Van den Broeck, Jan; Brestoff, Jonathan R.; Kaulfuss, Catherine; Robberstad, Bjarne. Statistical Modeling. I: Epidemiology: Principles and Practical Guidelines. Springer 2013
- Våga BB, Moland KM, Evjen-Olsen B, Leshabari SC, Blystad A. Rethinking nursing care: an ethnographic approach to nurse-patient interaction in the context of a HIV prevention programme in rural Tanzania. Int J Nurs Stud. 1.8.2013
- Woyessa A, Deressa W, Ali A, Lindtjørn B. Evaluation of CareStartTM malaria Pf/Pv combo test for Plasmodium falciparum and Plasmodium vivax malaria diagnosis in Butajira area, south-central Ethiopia. Malar J. 1.6.2013
- Woyessa A, Deressa W, Ali A, Lindtjørn B. Malaria risk factors in Butajira area, south-central Ethiopia: a multilevel analysis. Malar J. 1.8.2013
- Zachariah R, Reid R, Van den Bergh R, Dahmane A, Kosgei RJ, Hinderaker SG, Taylor Smith K, Manzi M, Kizito W, Khogali M, Kumar AMV, Baruani B, Bishinga A, Kilale AM, Nqobili M, Patten G, Sobry A, Cheti E, Nakanwagi A, Enarson DA, Edginton ME, Upshur R, Harries AD. Applying the ICMJE authorship criteria to operational research in low-income countries: the need to engage programme managers and policy makers Trop. Med. Int. Health 2013
- Zaidi SM, Labrique AB, Khowaja S, Lotia-Farrukh I, Irani J, Salahuddin N, Khan AJ. Geographic variation in access to dog-bite care in pakistan and risk of dog-bite exposure in karachi: prospective surveillance using a low-cost mobile phone system. PLoS Negl Trop Dis. 12.12.2013



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