



Activity Report 2013



Preface

This is the CHESS Activity Report for 2013. The wealth and diversity of our research, teaching and contacts with the surrounding society cannot be fully captured in a report like this. However, the facts and figures contained in this report will hopefully provide you with a glimpse of what CHESS is all about: high quality research – often in collaboration with international partners – addressing the key issues in the research field of health inequalities; teaching and training of students at different levels; and a drive to link up research findings with discussions and decision making at different levels of society, from the local Swedish level to the global level. I hope that you find the activities and research topics that we work with at CHESS of interest.



CHESS is constantly developing and improving. This report for 2013 hopefully reflects that. We are nevertheless looking forward, striving to improve and develop our work even further during 2014. If there is more you want to know, please look up our website (www.chess.su.se) or contact the researchers responsible for the project or topic that you are interested in.

Olle Lundberg
Professor, Director

The CHESS Activity Report for 2013 was compiled by Ylva B Almquist, Venus Hailesilassie, and Jannike Kjellström.



Education

FAS-centre: Postgraduate programme

The postgraduate programme at CHESS was launched in January 2008 through a grant from the Swedish Research Council for Health, Working Life and Welfare (Forte/FAS). Olle Lundberg is the head of the programme whereas Bitte Modin is the coordinator. At the end of 2013, the postgraduate programme comprised 11 doctoral students in sociology, psychology and public health, affiliated to different departments at Stockholm University and Karolinska Institutet.

PhD students	Affiliations/Supervisors
Andrea Dunlavy	CHESS, Department of Sociology (SU) Mikael Rostila, Magnus Nermo
Johanna Falk	Department of Public Health (KI) Bo Burström
Lisa Folkesson	Department of Psychology (SU) Petra Lindfors, Viveca Östberg
Karl Gauffin	CHESS, Department of Public Health (KI) Anders Hjern
Can Liu	CHESS, Department of Medicine (KI) Anders Hjern, Viveca Östberg, Sven Cnattingius
Ninoa Malki	Department of Medical Epidemiology and Biostatistics (KI) Pär Sparén, Erik Ingelsson, Ilona Koupil
Alexander Miething	CHESS, Department of Sociology (SU) Olle Lundberg, Siegfried Geyer, Monica Åberg Yngwe
Gabriella Olsson	CHESS, Department of Sociology (SU) Johan Fritzell
Olof Östergren	CHESS, Department of Sociology (SU) Olle Lundberg, Ann-Zofie Duvander
Julia Sandahl	Department of Criminology, Department of Sociology (SU) Jerzy Sarnecki, Bitte Modin
Kristina Sonmark	CHESS, Department of Sociology (SU) Bitte Modin, Magnus Bygren

Nordic workshops are given regularly together with colleagues from Denmark and Finland. These workshops are organised over two days with PhD students presenting their work and commenting on other students work. Both junior and senior researchers participate as well. In April 2013, a PhD workshop was arranged at CHESS together with Finnish colleagues from the University of Helsinki. Other activities within the postgraduate programme included three "Journal Clubs", led by Denny Vågerö, where PhD students met to critically evaluate selected articles in the scientific literature.

Doctoral programme

In 2013, Centre for Health Equity Studies (CHESS) introduced a doctoral programme in Public Health at Stockholm University. The doctoral programme is given in collaboration with Stress Research Institute (SFI). The programme focuses on perspectives on origins of health inequalities, how living and working conditions influence health over the life course, and the biopsychological mechanisms that may mediate these associations. During the autumn of 2013, four doctoral positions were announced (two at CHESS and two at SFI) within the programme.

Master's programme

The year of 2013 constituted the second and third term for the students who started the master's programme in 2012. A total of 24 students were enrolled. The Director of Studies, Jenny Eklund, went on parental leave in October. Mikael Rostila was selected as the substitute Director of Studies.

Nine courses were given during the year. One of these courses was held in collaboration with Aging Research Center (ARC) and another one was held at the Demographic Unit at Stockholm University. The last of course of the year was "Introduction to Master Thesis in Public Health", during which the students formulated their thesis proposals. More than one half of the students were assigned supervisors from CHESS whereas the remaining students were assigned external supervisors from other departments at Stockholm University (Department of Sociology; Demography unit) and Karolinska Institutet (Department of Clinical Science, Intervention and Technology; Aging Research Center) as well as from e.g. Stockholm County Council and University of Gävle.

Course	Manager(s)
Life Course Approach to Health Equity Studies	Ilona Koupil
Health Inequalities among Children and Youth	Bitte Modin
Health Inequalities among the Elderly Population	Aging Research Center (KI/SU)
SPSS and Data Management	Ylva B Almquist
Methodology II – Quantitative Methods in Public Health Sciences	Kristiina Rajaleid
Population Development and Social Change	Demography unit (SU)
Welfare State, Social Policy and Health	Johan Fritzell
Global Health: Development and Inequity	Denny Vågerö
Introduction to Master Thesis in Public Health	Ylva B Almquist, Mikael Rostila

Apart from supervising our own master students, we supervised students at both the undergraduate level and the advanced level at e.g. Stockholm University, and University of Copenhagen. We have also taught courses and held lectures outside of CHESS, at e.g. Karolinska Institutet; Mid Sweden University; Lund University; Malmö University; Ersta Sköndal University College, and University of Gothenburg.



Research

Collaboration and exchange

The researchers at CHESS are involved in several ongoing data collections, such as the European Social Survey (ESS) the Uppsala Birth Cohort Multigenerational Study (UBCoS Multigen), the Elvis project, the Stockholm Birth Cohort Study (SBC), the Swedish Work and Mortality Database (WMD), Youth in Europe (CILS4EU), Learning Environments and Health, and the child supplements of the Level of Living Survey (Child-LNU).

During the year, we have collaborated with our research groups in several national projects, such as the Uppsala Family Study (Uppsala University), the Swedish Initiative for Research on Microdata in the Social and Medical Sciences (SIMSAM, Karolinska Institutet), the Level of Living survey (LNU and Child-LNU, Stockholm University), Health Behaviour in School-Aged Children (HBSC, Swedish National Institute of Public Health), and Individual Life Chances in Social Context – A Longitudinal Multi-Methods Perspective on Social Constraints and Opportunities (LIFEINCON, Stockholm University). We are also collaborating with others with regard to data materials established at CHESS, such as the Stockholm Birth Cohort study (Swedish Institute for Social Research at Stockholm University), the School Stress and Support study (Department of Psychology and the Stress Research Institute at Stockholm University), and the Uppsala Birth Cohort Multigenerational Study (Uppsala University).

CHESS researchers are also involved in international projects, such as Growing Inequalities' Impacts (GINI), Social inequalities of health in Sweden and Brazil, The Swedish Foundation for International Cooperation in Research and Higher Education (STINT), Determinants to Reduce Health Inequity via Early Childhood, Realising Fair Employment, and Social Protection (DRIVERS), Review of Social Determinants and the Health Divide in the European WHO Region for the WHO/Europe, Developing Methods to Reduce Inequalities the Determinants of Health (DEMETRIQ).

Participation in conferences

During 2013, CHESS researchers have participated in numerous national and international conferences as invited speakers, presentors, or organisers: the congress of the European Association of Work and Organizational Psychology (Germany), International Symposium on Shiftwork and Working Time (Brazil), International Network for Research on Inequalities in Child Health (USA), Annual Scientific Meeting "Plasticity: Molecules to Motherhood and Beyond" (USA), European Public Health Conference (Belgium), Children First and Foremost/Platform for International Cooperation on Undocumented Migrants (Belgium), Socio-economic factors and their interplay with migration and ethnicity in producing health inequalities (Denmark), European Sociological Associations (Italy), ROAM member meeting (Denmark), Nordic Expert Meeting: Responsible Data Sharing Across Borders (Sweden), Nordic Expert Meeting: Responsible Data Sharing Across Borders (Sweden), Australasian Epidemiological Association conference (Australia), Society for Social Medicine annual conference (UK), Clinical Registry of Neurodegenerative Diseases (Germany), Society for

Longitudinal and Life Course Studies (Sweden), Symposium on Health inequalities in modern welfare states (Sweden) Global Conference on Health Promotion (Finland), European Health Forum (Austria), Launch of the European Review of Social Determinants (UK), European Congress of Epidemiology (Denmark), International Network for Research in inequalities in Child Health (USA), American association of Depression and Anxiety (USA), Aage Sørensen Memorial Conference (USA),



Seminars

Responsible for the external seminar series: Ilona Koupil

Date	Name	Title
2013-01-23	Prof. Johan Mackenbach	Genetics and health inequalities: advances in human genetics and epigenetics and their implications for health equity research
2013-02-13	Dr Kelly S. Ragan	Historical, social and economic aspects of modern contraceptives use in Sweden
2013-04-17	Dr Kirk Scott	Intergenerational transmission of age at first birth
2013-04-26	Dr Marcelo L. Urquia	Migration and health: Influences of origin and destination
2013-06-11	Dr Naoki Kondo	Social and economic fluctuations and health disparities in Japan
2013-08-28	Dr M. Pia Chaparro	Government-funded food assistance programs and obesity
2013-10-16	Prof. Tomas Hemmingsson	IQ and smoking behavior
2013-11-15	Prof. Geir Gunnlaugsson	Electronic health records and child health in a time of economic crisis
2013-11-27	Dr Mall Leinsalu	Recent public health developments in Eastern Europe
2013-12-04	Professor Rosaria Galanti	Public health interventions for children and adolescents



Assignments

External assignments

- Board member, Journal of DOHaD, Paediatric and Perinatal Epidemiology (Ilona Koupil)
- Board member, Stiftelsen Allmänna Barnhuset (Children's Welfare Foundation Sweden)(Anders Hjern)
- Board member, Swedish interdisciplinary graduate school in register-based research (SINGS) (Ilona Koupil)
- Board member, Swedish Red Cross, Center for tortured refugees in Stockholm (Denny Vågerö)
- Board member, The Stockholm Regional Ethics Committe (Ilona Koupil)
- External reviewer, Forte (Ilona Koupil)
- External reviewer, Forte (Mikael Rostila)
- External reviewer, The Netherlands Organisation for Health Research and Development (ZonMw) (Ilona Koupil)
- Member of evaluation panel in Educational Science (UVK), The Swedish Research Council (VR) (Bitte Modin)
- Member of "Aktiestinsens stipendiefond" (Denny Vågerö)
- Member of the Royal Swedish Academy of Sciences (Denny Vågerö)
- Panel member, European Research Council (Denny Vågerö)
- Senior advisor to WHO Europe Commissioner in the Commission for a sustainable Malmö (Denny Vågerö)

Assignments at Stockholm University and Karolinska Institutet

- Board member (substitute), Stress Research Center, SU (Olle Lundberg)
- Board member (substitute), the Faculty of Social Sciences Board, SU (Olle Lundberg)
- Board member, Centre for Health Equity Studies, SU (Olle Lundberg)
- Director of Studies, doctoral programme, Centre for Health Equity Studies, SU (Bitte Modin)
- Director of Studies, master's programme, Centre for Health Equity Studies, SU (Jenny Eklund)
- Director of Studies (substitute), master's programme, Centre for Health Equity Studies, SU (Mikael Rostila)
- Doctoral student representative, steering group for doctoral programme in Public Health, KI (Karl Gauffin)
- Doctoral student representative (substitute), board at Department of Sociology, SU (Kristina Sonmark)
- Member of the LFN (lärarförslagsnämnd), SU (Ilona Koupil)
- Member (substitute) of the LFN (lärarförslagsnämnd), SU (Olle Lundberg)
- Staff representative, board at Centre for Health Equity Studies, SU (Mikael Rostila)
- Member of SAGA (Working group for undergraduate- and advanced studies at the Faculty of Social Sciences), SU (Monica Åberg Yngwe)

- Member of the doctoral student council at the Department of Sociology, SU (Kristina Sonmark)

Supervision at the post-graduate level

Besides acting as supervisors to PhD students at CHESS, we also supervise PhD students at e.g. Stockholm University (Department of Criminology; Department of Psychology and Department of Sociology); Karolinska Institutet (Department of Medical Epidemiology and Biostatistics; Department of Public Health); and the University of Queensland.



CHESS board

Name	Role, nominated by
Professor Nina Rehnqvist	Chairman of the board, SBU
Professor Nancy Pedersen	Member, Karolinska Institutet
Professor Lucie Laflamme	Member, Karolinska Institutet
Professor Tommy Lundström	Member, Stockholm University
Professor Jonas Häckner	Member, Stockholm University
Professor Per-Olof Östergren	Member, Lund University
Professor Johan Hallqvist	Member, Uppsala University
Professor Olle Lundberg	Member, CHESS
Associate Professor Mikael Rostila	Staff representative, CHESS
Jannike Kjellström	Student representative, CHESS



Staff

Name	Position
Ahren, Jennie	Researcher
Almquist, Ylva B	Researcher
Bacchus Hertzman, Jennie	Research assistant
Berg, Lisa	Researcher
Bergqvist, Kersti	Research assistant
Blanck, Camille	Financial accountant
Chaparro, Maria Pia	Post-doc
Dunlavy, Andrea	PhD student
Eklund, Jenny	Researcher
Ferrarini, Tommy	Researcher
Fransson, Emma	Researcher
Fritzell, Johan	Professor
Garcy, Anthony	Researcher
Gauffin, Karl	PhD student
Goodman, Anna	Researcher
Hailesilassie, Venus	Research assistant
Heshmati, Amy	Research assistant
Khanolkar, Amal	PhD student
Koupil, Ilona	Professor
Liu, Can	PhD student
Lundberg, Olle	Professor
Lundberg, Ulf	Professor
Låftman Brolin, Sara	Researcher
Makolli, Arijeta	Research assistant
Manhica, Helio	Research assistant
Miething, Alexander	PhD student
Modin, Bitte	Researcher
Nelson, Kenneth	Researcher
Olsson, Gabriella	PhD student
Plenty, Stephanie	Researcher
Rajaleid, Kristiina	Researcher
Rehnberg, Johan	Research assistant
Rostila, Mikael	Researcher
Sonmark, Kristina	PhD student
Sjöberg, Ola	Researcher
Toivanen, Susanna	Researcher
Vågerö, Denny	Professor
Wiksell, Cathrin	Departmental secretary
Åberg-Yngwe, Monica	Researcher
Östberg, Viveca	Researcher
Östergren, Olof	PhD student
Österman, Reidar	Database manager



Guest researchers

At CHESS

Tian-Jiao Chen	Beijing University, China
Marcelo Urquia	University of Toronto, Canada
Esther Friedman	Harvard Center for Population Studies, US
Gita Mishra	University of Queensland, Australia
Leigh Tooth	University of Queensland, Australia
Lauren Lissner	Gothenburg University, Sweden
Liisa Byberg	Uppsala University, Sweden
Serhiy Dekhtiar	Lund University, Sweden
Cristina Moya	London School of Hygiene and Tropical Medicine, UK
Gerard van den Berg	University of Mannheim, Germany
Naoki Kondo	Tokyo University, Japan
Roger Keller Celeste	Universidade Federal do Rio Grande do Sul, Brazil
Jenni Blomgren	KELA, Finland

From CHESS

Olle Lundberg	Mid Sweden University, Sweden
Susanna Toivanen	Helsinki Collegium, Finland
Ilona Koupil	Oswaldo Cruz Foundation, Brazil
Denny Vågerö	University of Queensland, Australia
Johan Fritzell	European University Institute in Florence, Italy
Jennie Ahrén	Universidade Federal do Rio Grande do Sul, Brazil
	Universidade Estate do Rio de Janeiro, Brazil
	Karolinska Institutet, Sweden



Financial report (2013)

Revenue/funding

Faculty funding - research (SU)	7 295 000
Faculty funding allocated for:	
Director of studies for doctoral programme (SU)	400 000
Professorship in public health (SU)	1 200 000
Two ass.female professors- acquisitions of qualifications (SU)	600 000
Post-doctoral position (SU)	850 000
PHD student positions (SU)	1 000 000
Faculty funding - Master's programme (SU)	1 634 200
Tuition fees - Non-European students	156 500
Strategic research funding (Forte)**	4 558 100
Post graduate school funding (Forte)**	632 600
PHD student & post-doctoral position funding (KI)**	892 400
Other external research funding**	20 589 500
Total revenue/funding	39 808 300

Professorship of Social Epidemiology (KI)*	1 200 000
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Costs

Personnel	22 702 800
Premises	2 220 700
Operating	3 574 900
Overhead & distribution of indirect costs	4 325 400
Deprecations	17 300
Funding	1 073 000
Total costs	33 914 100

Net change in capital 2013	5 894 200
Accumulated change in capital	2 575 100
Total net change in capital	8 469 300

Non used external funding	
Strategic research funding (Forte)	4 825 700
Post graduated school funding (Forte)	2 588 000
Doctoral & post-doctoral position funding (KI)	2 137 000
Other external research funding	9 358 500
Total non-used external funding	18 909 200

Closing balance (total non-used means)	27 378 500
Remaining deprecations	850

*The appointment is at KI but the employee is situated at CHESS. ** Shows used means.



Active projects (during 2013)

Principal investigator	Project name	Source of the funding	Total amount
Jennie Ahrén		Karolinska institutet	20 700
Ylva B Almquist	Juniorforskare: Ofärdens samgång: Hur klustrar sig sociala, ekonomiska och hälsomässiga villkor i befolkningen över tid och vad påverkas av samt påverkar klustertillhörighet	Forte	5 340 000
Malin Bergström	Växelvis boende - ett socialt experiment eller bäst för barnen?	Stiftelsen Länsförsäkringsbolagens Forskningsfond	3 508 000
Jenny Eklund	Anställning: Ungdomsforskning - forskarassistent - Ett utvecklingsperspektiv på asocialt beteende: könsskillnader och likheter	Forte	3 400 000
Johan Fritzell	Ungdomar som far illa: Skolans sociala klimat, psykisk hälsa och brottslighet	Stockholms stads socialförvaltning	1 247 000
	GIGI Growing Inequalities' impacts	Amsterdams Institut för arbetssstudier	256 000
	Gästforskare: Hälsoojämlikhet under livscykeln: Longitudinella studier av kroniska sjukdomar	Forte	207 800
	NORDCORP. Inequality Impacts: The income gradient in momortality - shape, social patterning and trends.	Norges Forskningsråd	3 997 000 (nok)
	Social inequalities of health in Sweden and Brazil - aspects of time and space.	STINT	798 000

Anders Hjern	Projekt ANT: Barn till missbrukare - hälsa, kognitiv förmåga och social anpassning i vuxen ålder i relation till adoption och fosterhemsvård	Forte	3 200 000
	Konferens: China workshop Social anpassning och hälsa hos flyktingar som anländt till Sverige som tonåringar – vad betyder skolgång och mottagandekommun	Forte Forte	119 000 3 196 000
	Kartläggning av antalet barn som anhöriga. Nationellt utvecklingsarbete för stöd till barn i familjer med missbruk	Linnéuniversitetet - Socialstyrelsen	2 500 000
Ilona Koupil	Barnets moder och moders barn: Tidiga benämningsfaktorer för reproduktion av ojämlikheter i hälsa Tidiga riskfaktorer och psykosociala aspekter av ätstörningar över generationer	Forte VR	3 000 000 1 630 000
Olle Lundberg	DRIVERS for Health Equity	EU - Framework Programme 7	738 365 (EURO)
	DEMETRIQ (Developing methodologies to reduce inequities in the determinants of health	EU - Framework Programme 7	354 053 (EURO)
Ulf Lundberg	Allokastisk belastning och hälsa bland föräldrar i olika sociala miljöer	Forte	2 250 000
Sara Brolin Låftman	Stress och krav i skolan	Stiftelsen Clas Groschinskys Minnesfond	117 000
	Postdoc-bidrag: Levnadsvillkor för ungdomar i Sverige med utländsk bakgrund	Forte	1 600 000
	Levnadsvillkor för ungdomar i	Kungliga	152 800

	Sverige med utländsk bakgrund	Vetenskaps-akademien	
	Mobbning bland ungdomar	Stiftelsen Clas Groschinskys Minnesfond	160 000
Bitte Modin	Psykisk ohälsa inom skolans kontext	Vårdalstiftelsen	1 500 000
Mikael Rostila	Arbetsliv och hälsa bland personer med utländsk bakgrund- betydelse av bransch, genus och födelseland	VR	5 015 000
Susanna Toivanen	Arbetsförhållanden och hälsa bland egenföretagare i Sverige – betydelse av branch, genus och födelseland	Forte	2 955 000
Denny Vågerö	Ett nytt verktyg för livsförlopps- och internationella analyser – en Stockholmsk födelsekohort från 1953 till 2005	VR	2 100 000
	Konferens: European Review of Social Determinants and the Health Divide, Malmö.	Forte	200 000
	Fördjupa analysen av orsaker till de stora skillnader i livsvillkor som råder i Malmö	Malmö stads stadskontor	115 000
Monica Åberg Yngwe	Könsskillnader i ekonomiska resurser, hälsa och dödlighet – betydelsen av sociala jämförelser, preferenser och relativ deprivation	Riksbankens Jubeliumsfond	2 000 000
Viveca Östberg	Programstöd: Skolans betydelse för ungas psykiska och psykosomatiska hälsa	Forte	12 000 000
CHESS	Forskarskolan	Forte	8 000 000
	Doktorandtjänst/Post-doc, överenskommelse	Karolinska Institutet	11 000 000

Forte-centrum: Centrum för samhälle och hälsa	Forte	71 500 000
Internationalisering av Forte- centrum	Forte	750 000



Publications

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- Birath Scheffel, C., Beijer, U., DeMarinis, V., af Klinteberg, B. (2013). Women with Substance Abuse Problems Exposed to Men's Violence – A Public Mental Health Challenge. *Journal of Addiction Research and Therapy*. doi: 10.4172/2155-6105.1000149.
- Björkenstam, E., Björkenstam, C., Hjern, A., Reutfors, J., Bodén, R. (2013). A five year diagnostic follow-up of 1840 patients after a first episode non-schizophrenia and non-affective psychosis. *Schizophr Res*. doi: 10.1016/j.schres.2013.07.011.
- Björkenstam, E., Hjern, A., Mittendorfer-Rutz, E., Vinnerljung, B., Hallqvist, J., Ljung, R. (2013). Multi-exposure and clustering of adverse childhood experiences, socioeconomic differences and psychotropic medication in young adults. *PLoS One*. doi: 10.1371/journal.pone.0053551.
- Blair, M., Stewart-Brown, S., Hjern, A., Bremberg, S. (red). (2013). *Barnhälsovetenskap*. Lund: Studentlitteratur.

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- Bråbäck, L., Ekéus, C., Lowe, A.J., Hjern, A. (2013). Confounding with familial determinants affects the association between mode of delivery and childhood asthma medication -- a national cohort study. *Allergy Asthma Clin Immunol*. doi: 10.1186/1710-1492-9-14.
- Bråbäck, L., Lowe, A., Hjern, A. (2013). Elective cesarean section and childhood asthma. *Am J Obstet Gynecol*. 2013 Jun 13. doi: 10.1016/j.ajog.2013.06.012.
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