

# Curriculum Vitae

## Rainer Sauerborn

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## EDUCATION

- 07/2005 STANFORD UNIVERSITY, SCHOOL OF MANAGEMENT  
Executive course on **Leadership and Change Management**
- 1997 MEDICAL LICENCING BOARD NORDBADEN, GERMANY  
**Specialty Licence „Tropical Medicine“** (Zusatzbezeichnung Tropenmedizin)
- 1990-94 HARVARD SCHOOL OF PUBLIC HEALTH, BOSTON, USA  
**Dr. P.H. (Doctor of Public Health 6/94)** in the Dept. of Population and International Health. Concentration in Health Economics  
*Dissertation:* Household strategies to cope with the economic costs of illness. A study of rural communities in Burkina Faso.  
*Honors:* Scholarship of the DAAD (German Academic Exchange Service)
- 1989-90 HARVARD SCHOOL OF PUBLIC HEALTH, BOSTON, MA  
**M.P.H. (Master of Public Health) 6/90** Concentration in Epidemiology
- 1983-89 HEIDELBERG MEDICAL SCHOOL, GERMANY, DPT. OF PEDIATRICS,  
**Pediatric Specialty Training Certificate** (4/89) of the German Pediatric Association Pediatric residency with a focus on infectious diseases, neonatal care and tropical pediatrics
- 07/1985-12/1986 LONDON UNIVERSITY, INSTITUTE OF CHILD HEALTH  
**M.Sc. in Mother and Child Health** (12/96)  
*Dissertation:* Predictors of low birth weight for use by trained traditional birth attendants
- 08-09/1979 INSTITUT FÜR ÖFFENTLICHES GESUNDHEITSWESEN UND TROPENHYGIENE, UNIVERSITY OF HEIDELBERG, GERMANY  
**Diploma: "Medicine in Developing Countries"** (9/79)
- 01/1978 ÄRZTEKAMMER BADEN-WÜRTTEMBERG  
**License to practice as a physician**
- 1975/1976 GERMAN CANCER RESEARCH INSTITUTE, HEIDELBERG, GERMANY  
**Ph.D.** in Experimental carcinogenesis (12/76)  
*Dissertation:* Pulse cytophotometric measurement of the DNA-distribution in DMBA-induced cancer of mouse epidermis as well as of healthy and 14-o-TPA stimulated mouse epidermis.  
*Honors:* Magna cum laude
- 1970-76 BONN (70-73) & HEIDELBERG (73-76) MEDICAL SCHOOLS  
**M.D. (12/76) - MD-PhD Program**

## **PROFESSIONAL EXPERIENCE**

|                 |                                                                                                                                                                                                                                                                                                                                       |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 06/2010-2014    | INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE (IPCC)<br>"Lead Author", Chapter 11 "Human Health", Working Group II, for the 5 <sup>th</sup> Assessment Report"                                                                                                                                                                            |
| Since 06/2010   | CENTER FOR DEVELOPMENTAL STUDIES, (ZEF), BONN UNIVERSITY<br>Research Fellow                                                                                                                                                                                                                                                           |
| 03/2009-today   | UMEA UNIVERSITY, SWEDEN<br>DEPT. OF EPIDEMIOLOGY AND GLOBAL HEALTH, Centre for Global Health Research<br>Guest Professor for Global Health and Climate Change                                                                                                                                                                         |
| 03/1996-today   | HEIDELBERG UNIVERSITY, GERMANY,<br>DEPARTMENT OF TROPICAL HYGIENE & PUBLIC HEALTH,<br>Chair (since 3/96) and Director of the Department (since 5/97)                                                                                                                                                                                  |
| 2000-2004       | "SCIENTIFIC ADVISORY BOARD FOR GLOBAL ENVIRONMENTAL CHANGES" (WBGU) OF THE FEDERAL GOVERNMENT OF GERMANY<br>Appointed by Ministers of Science and Environment                                                                                                                                                                         |
| 07/1999-6/2011  | SPECIAL RESEARCH CENTER (SONDERFORSCHUNGSBEREICH) SFB 544:<br>"CONTROL OF TROPICAL INFECTIOUS DISEASES" OF THE DEUTSCHE FORSCHUNGSGEMEINSCHAFT <sup>1</sup><br>Initiated the project, Coordinator ("Sprecher") from 7/99 through 6/02, deputy speaker since 7/02 with Hans Georg Kräußlich taking over the coordinator role.          |
| 1997-today      | RESEARCH FOCUS (FORSCHUNGSSCHWERPUNKT) "TROPICAL MEDICINE HEIDELBERG" (GRANT OF THE FEDERAL MINISTRY OF SCIENCE AND TECHNOLOGY 1994-99)<br>Speaker since 4/1997, reporting to an International Scientific Advisory Board                                                                                                              |
| 07/1991-02/1996 | HARVARD INSTITUTE FOR INTERNATIONAL DEVELOPMENT (HIID)<br>Institute Associate (tenure track), from 1993-1996 "Acting Coordinator" of the HIID Health Office                                                                                                                                                                           |
| 07/1993-02/1996 | TUFTS UNIVERSITY, DEPARTMENT OF COMMUNITY MEDICINE<br>Associate Clinical Professor<br>Course director of "Introduction to Global Health" for MD/MPH students                                                                                                                                                                          |
| 01/1992-today   | RESEARCH COOPERATION BETWEEN THE "CENTRE DE RECHERCHE EN SANTE DE NOUHA" IN BURKINA FASO AND THE UNIVERSITY OF HEIDELBERG<br>Coordinator                                                                                                                                                                                              |
| 06-09/1986      | MEDICAL FACULTY OF OUAGADOUGOU UNIVERSITY, BURKINA FASO<br>Visiting scholar<br>1) Director of a study on anthropometric risk indicators in newborns. Supervision of two Burkinian and one German doctoral student<br>2) Co-founder of the Faculty partnership between the medical faculties of Ouagadougou and Heidelberg University. |

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<sup>1</sup> DFG is the equivalent of the National Science Foundation (NSF) of the US

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 09/1983-<br>09/1989 | HEIDELBERG MEDICAL SCHOOL, DEPARTMENT OF PEDIATRICS<br>Resident in clinical pediatrics and reader in Tropical Pediatrics and Organization of MCH -Services. Doctoral advisor for two medical students.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 04-<br>08/1983      | KRANKENHAUS SALEM, HEIDELBERG<br>Resident in obstetrics and gynecology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 09/1979-<br>01/1983 | DISTRICT HOSPITAL NOUNA, BURKINA FASO<br>District Medical Officer in the Nouna district of Burkina Faso. Responsible for the management as well as the medical, surgical and obstetric care at the 120 bed district hospital and 12 health clinics in the district (150.000 inhabitants). Duties included on-the-job training and supervision of the professional staff (63) of the health district, for training and supervision of community health workers, mass immunizations, EPI, control of diarrheal diseases, family planning, control of endemic diseases (guinea worm, schistosomiasis, leprosy and trachoma) |
| 02-<br>08/1979      | DUMBARTON DISTRICT HOSPITAL, SCOTLAND<br>Senior House Officer in obstetrics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 09/1977-<br>01/1979 | ST. JOSEPH KRANKENHAUS, LORSCH, GERMANY<br>Resident in general surgery and emergency medicine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 01-<br>08/1977      | UNIVERSITY HOSPITAL, HEIDELBERG, GERMANY<br>Clinical rotations through internal medicine, surgery and pediatrics.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## **TEACHING EXPERIENCE**

### **1. Medical Students (graduate teaching)**

- 1996-today**      **HEIDELBERG MEDICAL SCHOOL**  
**Graduate teaching (medical students), under the HeiCuMed program**
- Developed as convener a three week full time module on Public Health (module leader): Health economics, prevention, health services delivery, health systems
  - Public Health of Infectious diseases
- 1993-02/1996**      **TUFTS UNIVERSITY, MD-MPH program**
- As associate clinical professor, taught the module **"International Health"** for students in the MPH/MD program.

### **2. Postgraduate teaching (M.Sc. and doctoral levels)**

- Since 2008**      **"Research methods for the study of climate change and health" (three weeks, 7 ECTS credits), Umeå University, Sweden.**  
Course director,  
accredited with Umeå University, open to doctoral students and post-doc with a research project on the topic
- Since 2008**      **"Climate change and health: impacts and adaptation strategies" - Short course (two weeks, 3 ECTS credits), Heidelberg University**  
Course director,  
accredited with TropEd and ACQUIN, standalone module and part of the Master in International Public Health
- Since 2007**      **"Leadership and change management in health care" - Short course (two weeks, 3 ECTS credits), Heidelberg University**  
Course director,  
accredited with TropEd and ACQUIN, standalone module and part of the Master in International Public Health
- Since 2006**      **"Financing health care in developing countries (focus insurance)" - Short course (two weeks, 3 ECTS credits), Heidelberg University**  
Course director,  
accredited with TropEd and ACQUIN, standalone module and part of the Master in International Public Health
- 2002-today**      **Graduate doctoral program "GK273 Epidemiology of infectious and non-communicable diseases and their interaction", HEIDELBERG UNIVERSITY**  
**(Coordinator: Heiko Becher)**  
Taught epidemiological and demographic field methods, health outcomes assessment. Supervised three doctoral students from the Grad. College.

**2005-today M.Sc. of International Public Health, HEIDELBERG UNIVERSITY**

**Course director**

*Team development of curriculum, based on M.Sc. Community Health and Health Management, taught from 1986 through 2004.*

*Supervision of 29 M.Sc. theses between 1996 and 2007.*

The course covers the field of public health viewed from an international angle. It is built in a modular way: a base module of 20 ECTS is compulsory for all, thereafter the course splits in two tracks:

- 1) **European track** (within the TropEd network of 29 European Universities): exchange of at least 15 ECTS of mutually accredited courses with a European partner university, M.Sc. (20 ECTS) at Heidelberg University
- 2) **Heidelberg track** – this allows the student to take the entire course at Heidelberg University. 20 ECTS points of short two weeks teaching module can be picked from a menu of currently 11 courses.

Students in both tracks need to write a dissertation (20 ECTS).

The course is offered on with a tuition, which is gradually covering the full costs of teaching.

**2002-2004 M.Sc. of Health Economics – course director  
HEIDELBERG UNIVERSITY and NEW ECONOMICS UNIVERSITY,  
HANOI**

**Developed and taught 20% of new course**

Leading to a Heidelberg University M.Sc. degree

- ⇒ This is a full time one-year course on health economics, taught by Heidelberg University faculty, funded by The World Bank. Our and our Vietnamese partners' perspective is to perpetuate the course as a joint degree building on modern technology of distant teaching.

**1991-02/1996 HARVARD SCHOOL OF PUBLIC HEALTH**

*Guest lecturer:*

- (i) "Geographical information systems - a tool for decision making for health planners and managers" in the executive summer course "Management of Health Care in Developing Countries" (course director: Paul Campbell).
- (ii) "Combining qualitative and quantitative field methods" in the course "Epidemiological Field Methods" (course director: Uwe Brinkmann).
- (iii) "Malaria - its economic impact on households", in the course "Biology, epidemiology and economy of malaria" (course director: Andrew Spielman).
- (iv) "The impact of illness on the household economy", in the course "Health and the Household Economy in Developing Countries" (course director: Peter Berman).

**09/1994-02/1996 HARVARD INSTITUTE FOR INTERNATIONAL DEVELOPMENT**

- (i) **Course Director of the "Executive Summer Course in Health Care Financing in Developing Countries"** (6 weeks). The curriculum development, the first course was scheduled for summer 1996, but not held because of my departure to Heidelberg.

(ii) Curriculum development of the health care modules for the IDB Executive Summer Course "**Social Sector Policy in Latin America**". The modules deal with:

- Assessment of the efficiency and equity effects of health systems
- The optimal roles of the public and private sectors within health systems
- The contribution of the health sector for production and economic growth
- National Health Accounts
- The Disability Adjusted Life Years (DALY) approach for prioritizing health care interventions based on cost-effectiveness

**1995, 1998 HEALTH SERVICES ACADEMY, ISLAMABAD, PAKISTAN**  
**Health economics** module in the MPH program

**1986-89 PEDIATRIC HOSPITAL OF HEIDELBERG UNIVERSITY, SCHOOL OF NURSING**  
**Bedside teaching** for MD students; lecturing in tropical pediatrics, international health and health system research. Co-supervisor of two doctoral candidates.

**1983-today HEIDELBERG INSTITUTE OF TROPICAL HYGIENE AND PUBLIC HEALTH**  
 Lecturer in the course "**Medical care in developing countries**". Subjects: Global health policy, immunization, management of district health care, monitoring and evaluation

**1983-1985 PEDIATRIC HOSPITAL OF HEIDELBERG UNIVERSITY, SCHOOL OF NURSING**  
 Course in anatomy, physiology and clinical medicine

## **RESEARCH and TEACHING GRANTS**

### **1) Acquired grants (as Principal Investigator)**

#### **Summary:**

After appointment as Chair in Heidelberg (1998-2014) 31,3 million € = 2 m €/year  
 At Harvard University HIID (1992-1997) 6,8 million \$ = 1,4 m \$/year  
 At Heidelberg Univ, Hospital (1985-1993) 1,7 million DM = 0,19 m  
 (pediatric training) DM/year  
 (pediatric specialty training)

| <b>Year</b>   | <b>x<br/>1,000 €</b> | <b>Funding<br/>source</b>                                             | <b>Project<br/>-#</b>                                               | <b>Project description</b>                                                                                                                                           |
|---------------|----------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2014          | 1,300                | EU-JPI                                                                | HOPE                                                                | Household Preferences for reducing greenhouse gas Emission on four European High Income Countries                                                                    |
| 2013          | 487                  | World Bank                                                            | PBF-base                                                            | Scientific evaluation of a nationwide policy introducing performance-based incentives into mother and child care -2                                                  |
| 2013          | 52                   | World Bank                                                            | PBF-pilot                                                           | Scientific evaluation of a nationwide policy introducing performance-based incentives into mother and child care -1                                                  |
| 2013          | 480                  | Herrmann<br>Lauten-<br>schläger<br>Foundation                         | EMIRA                                                               | Ecological Malaria Management in Burkina Faso                                                                                                                        |
| 2012-<br>2015 | 600                  | Federal<br>Ministry of<br>Research<br>(BMBF),<br>Helmholtz<br>Society | DZIF<br>(German<br>Center for<br>Infectious<br>Disease<br>Research) | (i) Infrastructural measure: Strengthening research capacity of African DZIF partners (PI Jürgen May)<br>(ii) Sub-project 8.4. Malaria co-infections (PI Jürgen May) |

|               |             |                                              |                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------|-------------|----------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2011/2        | 220         | BMBF/<br>Helmholtz<br>Society                | DZIF                                                  | Pilot project: Analyzing capacity and capacity needs of four African Research (partners: Nouna, Burkina; Kumasi, Ghana; Lambaréné (Tübingen) and Mbeya (München))                                                                                                                                                                                                                                                                 |
| 2012          | 220         | DAAD                                         | PAGEL<br>56267632                                     | Master and Doctoral program with Ouagadougou University, Burkina Faso                                                                                                                                                                                                                                                                                                                                                             |
| 2010-<br>2013 | 240         | French<br>Ministry of<br>Research            | PALUCLIM                                              | Biological larvicidal control measures on surface water collection, guided by risk maps from remote sensing of land cover and land use                                                                                                                                                                                                                                                                                            |
| 2010-<br>2015 | 305         | EU-FP7                                       | ISSC                                                  | An integrated surveillance system for infectious disease in rural China: generating evidence for early detection of disease outbreaks in resource-poor settings (WP leader with Hengjin Dong) 7th Framework Program EU                                                                                                                                                                                                            |
| 2009-<br>2014 | 3000        | EU-FP7                                       | QUALMAT                                               | Improving the quality of maternity care through 1) performance-based incentives and 2) decision support systems (partners: Karolinska Institute, Sweden; Gent University, Belgium; Nouna Health Research Center, Burkina Faso; Navrongo Health Research Center, Ghana; Muhimbili University, Tanzania).                                                                                                                           |
| 2011          | 2.5         | UNESCO                                       | CLIMIMO                                               | Climate change, migration and mortality in 13 research sites of the INDEPTH network in Africa and Asia                                                                                                                                                                                                                                                                                                                            |
| 1999-<br>2011 | 1.500<br>/y | DFG                                          | SFB 544                                               | Control of tropical infectious diseases (Founding coordinator and shared coordinatorship with Michael Lanzer, Molecular Parasitology).<br>Ad personam projects within the SFB:<br>➤ Project D2: Community-based health insurance 1999-2011<br>➤ Project D5: Economic evaluation of interventions delivered at the community level (with C. Schmidt (PI) and R. Baltussen) 1999-2002<br>➤ Project Z1: Speaker of the SFB 1999-2002 |
| 2010          | 85          | WHO                                          | CRA_MalDe<br>n                                        | Climate attributable changes of the burden of disease from Malaria and Dengue – Global Burden of Disease Program (from Umeå professorship)                                                                                                                                                                                                                                                                                        |
| 2005          | 300*<br>/2y | BMBF <sup>2</sup>                            | Sustaina<br>ble<br>megaciti<br>es<br>of the<br>future | Joint project* with Prof. B. Eitel as Principal Investigator, project pilot phase under the "Megacities of Tomorrow" BMBF Focus (Schwerpunktprogramm), with BASF, City Council of Heidelberg, Dept of Environment, and other private and public institution of the Metropolitan Area of Rhein-Neckar.                                                                                                                             |
| 2005          | 750         | State<br>Ministry of<br>Research<br>Baden-W. | CRSN-3                                                | Follow up grant on CRSN-2 (together with Prof. Kräußlich). The focus of this grant is on creating clinical research capacity in conjunction with the local district hospital and to create the capacity to integrate environmental/climate data in the demographic surveillance.                                                                                                                                                  |
| 2004          | 1.100       | World Bank                                   | M.Sc.<br>IPH                                          | Development and teaching of a new track "International Health Care Management" within the accredited M.Sc. in International Public Health (M.Sc. IPH)                                                                                                                                                                                                                                                                             |
| 2002          | 750         | State<br>Ministry of<br>Research<br>Baden-W. | CRSN-2                                                | Follow up grant on CRSN-1. The focus of this grant is on creating clinical research capacity in conjunction with the local district hospital and to create the capacity to integrate environmental/climate data in the demographic surveillance.                                                                                                                                                                                  |

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<sup>2</sup> BMBF=Federal Ministry of Research and Education of Germany

|           |                    |                                         |                                      |                                                                                                                                                                                                                                                                                                                          |
|-----------|--------------------|-----------------------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2002      | 1.300 <sup>3</sup> | DFG                                     | GK793                                | Research Training Group GK 793 "Epidemiology of communicable and non communicable diseases and their interaction" (Speaker: Heiko Becher of the Dept. of Tropical Hygiene and Public Health). This is a post graduate research program in which funds 15 doctoral fellows, of whom 2 are supervised by Rainer Sauerborn. |
| 2002      | 800/3y             | EU-FP6                                  | MAMOP                                | Improving the management of childhood malaria: an experiment to bridge the gap between mothers and health care providers. With Karolinska Institute, Nouna Health Research Center, Burkina Faso and Muhimbili University, Tanzania.                                                                                      |
| 2001      | 97/1y              | EU-FP6                                  | LINK_HS R-TAP                        | Establishing and reinforcing links between EU-financed health systems research and technical assistance projects for health sector reform policy development in countries from the south: 7 partners from EU and developing countries.                                                                                   |
| 2000      | 250/2y             | World Bank                              | M. Sc. in Health Economics(Hanoi)    | A Heidelberg teaching export: M.Sc. Health Economics: Curriculum development and first round of teaching in Hanoi, Vietnam.                                                                                                                                                                                              |
| 2000-2004 | 120                | BMBF                                    | WBGU                                 | Research assistant (1/2 position for 4 years) to the RS as member of the „Scientific Council to the Federal Government on Global environmental Change" ("Wissenschaftliche Beirat der Bundesregierung zu globalen Umweltveränderungen (WBGU)")                                                                           |
| 1999      | 750                | Land of Baden-Württem.                  | Cooperation with CRSN <sup>4</sup> , | Infrastructure and running costs for a multi-disciplinary Nouna Health Research Center as Partner of the SFB                                                                                                                                                                                                             |
| 1998      | 440                | EU, FP5                                 |                                      | Strategies to improve the use of research for health sector reform (concerted action with 11 partners)                                                                                                                                                                                                                   |
| 1995      | 3.300              | World Bank                              |                                      | Technical Assistance to the Palestinian Health Authority                                                                                                                                                                                                                                                                 |
| 1995      | 280                | EU                                      | -                                    | Community-based Prepayment and Health Insurance Schemes in Rural Burkina Faso and Ghana: an Intervention Study. Partners: London School of Hygiene and Trop. Med., Ghana Ministry of Health, Burkina Faso Ministry of Health.                                                                                            |
| 1995      | 64                 | World Bank                              | 48-092-0001-1-30                     | 6-week course "Econometric modeling of health care demand" - instructor: Paul Gertler                                                                                                                                                                                                                                    |
| 1985      | 427                | EU                                      | TSD-053-D(B)                         | Solenzo Gesundheitssystemforschung, Burkina Faso                                                                                                                                                                                                                                                                         |
| 1994      | 775                | German Ministry of Science & Technology | 01KA9301                             | The impact of improving mothers' home treatment and mothers' access to health services on infant mortality (Burkina Faso)                                                                                                                                                                                                |
| 1994      | 54                 | UNICEF                                  | 94-043                               | "Child Survival Bridge Project" , Cameroon                                                                                                                                                                                                                                                                               |
| 1993      | 1.912              | USAID                                   | 631-0056-C-00-7096-00, a             | "Maternal and Child Health Project", Cameroon, project extension (1 year)                                                                                                                                                                                                                                                |
| 1993      | 507                | EU                                      | TS3 CT 92-0078                       | Idem, project extension (2 years)                                                                                                                                                                                                                                                                                        |
| 1989      | 585                | EU                                      | TS2-0306 D(MB)                       | Burkina intervention study to assess health impact of health policy changes, Burkina Faso                                                                                                                                                                                                                                |
| 1985      | 640                | EU                                      | TSD-053-D(B)                         | Solenzo Health System Research Project, Burkina Faso                                                                                                                                                                                                                                                                     |

3 This is the sum for the ENTIRE postgraduate program, in which RS tutors 2 of 15 doctoral students, GK coordinator is Heiko Becher of the Institute of Public health (Deputy Director)

4 CRSN=Centre de Recherche en Santé de Nouna, Burkina Faso



## **CONSULTING**

- 1997 Etude de faisabilité pour un observatoire de santé au Mali. Bamako Mali. (for the Projet de Santé Publique et d'Hydraulique Rural (funded by World Bank, UNICEF, USAID and KfW). March 1997.
- 1996 Teaching of Health Economics Module at the Health Services Academy, Islamabad, Pakistan.
- 1995 Participation in a team of EC-consultants assisting the Ministry of Health of Palestine in the Development of a Strategy for future health research in Palestine, *Gaza, Palestine*, September 18-21, 1995 (for the EC).
- 1995 Curriculum development for the post-graduate course in "Health Economics" of the new MPH course of the "Health Services Academy, Islamabad" of the Ministry of Health, *Islamabad, Pakistan*. July 20 – August 8, 1995 (for GTZ).
- 1995 Member of expert panel for the review of research proposals in the field of vaccine development and applications submitted to the European Community. *Brussels, Belgium*, June 19-23, 1995 (for the EC).
- 1995 Modeling the elasticity of demand for health care in urban Bolivia (with Marina Cárdenas and Paul Gertler), UDAPSO-project, *Cambridge, USA* (for USAID).
- 1994 Design and implementation of a Geographical Information System for the Social Sector of Bolivia. UDAPSO project, *La Paz, Bolivia* (for USAID).
- 1992 Design of a Health Management Information System for the MCH project, *Yaoundé, Cameroon* (for USAID).
- 1991 Co-financing and Co-management of provincial health services through "Provincial Health Funds" in Cameroon, MCH-project, *Yaoundé, Cameroon*, (for USAID).
- 1986 Development of anthropometric predictors of low birth-weight for the MOH, Burkina Faso (for the EC).

## **AWARDS**

- INDEPTH mentorship award 2009
- Chevalier de l'Ordre National du Burkina Faso, 2004 (equivalent to the German «Bundesverdienstkreuz »)
- Scholarship of the DAAD (German Academic Exchange Service), special award for epidemiology (1989-91)
- Magna cum laude (Ph.D. thesis)
- Scholarship of the "Studienstiftung des Deutschen Volkes" (1970-76) – comparable to the Rhodes fellowship program of the US, since 2001 Mentor of Studienstiftung scholars

## **LANGUAGES**

|          | Fluent        | Good    | Basic |
|----------|---------------|---------|-------|
| German   | mother tongue |         |       |
| English  | X             |         |       |
| French   | X             |         |       |
| Spanish  | X             |         |       |
| Latin    |               | Reading |       |
| Bambara* |               | X       |       |
| Turkish  |               | X       |       |
| Swedish  |               | X       |       |

\*language spoken in Mali and large parts of Burkina Faso

## **COMPUTER SKILLS**

|                         |                                                                 |
|-------------------------|-----------------------------------------------------------------|
| Statistics/Econometrics | SPSS, Stata, SAS, E-view, Epi-Info                              |
| Demography              | Mortpak (indirect estimation of mortality and fertility), Stata |
| GIS                     | ArcView                                                         |
| Qualitative research    | Ethnograph, AtlasTi, NVivo                                      |
| Relational database     | Microsoft Access                                                |
| Spreadsheet             | Excel for Windows                                               |
| Project planning        | Microsoft Project, On Target                                    |
| Staff management        | Manage Pro                                                      |
| Word processing         | Microsoft Word                                                  |
| Bibliographic software  | Reference manager,                                              |
| Graphics                | Draw, Corel, Micrografix Designer Suite                         |
| Presentations           | Microsoft Power Point                                           |
| Concept development     | Mind Manager                                                    |

## **MEMBERSHIP IN SCIENTIFIC ADVISORY BOARDS**

**Leopoldina – Nationale Akademie der Wissenschaften**, Mitglied in der Wissenschaftlichen Kommission "Gesundheit", since 2013.

**Institut Pasteur, School of Public Health (with CNAM)**, since 1/2007.

**Wellcome Trust, UK**, 2/2002 through 2/2004, and since 2011.

**Ministère de l'Ecologie et du Développement Durable, Gouvernement Français :**  
Conseil Scientifique: Gestion des Impacts du Changement Climatique (GICC) since 2005.

**German Federal Government;** Scientific Advisory Board for „Global Environmental Change and Health“ (**Wissenschaftlicher Beirat der Bundesregierung für Globale Umweltveränderungen - WBGU**) (appointment by Federal Cabinet decision) 2000-2004.

**National Committee for Global Change Research, NKGCF, German Science Foundation (DFG)** 2001-2005.

**Micro Insurance Academy, New Dehli.** Member of the Advisory Board, since 8/2007.

**Turkish-German Health Foundation,** Member of the Scientific Advisory Board, since 2002.

**INDEPTH Research Network** (Intl. Network of Research sites with Demographic Evaluation of Populations and Their Health), Scientific Advisory Council, 2002-2007.

**Emerging Diseases in Europe Network (EDEN)** Scientific Advisory Board Member, Coordination: Oxford University, 2005-2007.

**Earth System Science Program (ICSU),** Member of writing team of science plan for project: Human Health and Global Change. 11/2003-10/2005

**Wellcome Trust.** Program review for public health/epidemiology, 2003-2004.

**Université Pierre et Marie Curie, Paris** Conseil Scientifique de l'Ecole Doctorale de Santé Publique, since 2001.

### ***MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS***

Leopoldina – Nationale Akademie der Wissenschaften,  
International Health Economics Association (IHEA)  
International Union for the Scientific Study of Populations (IUSSP)  
American Public Health Association (APHA)  
International Society for Quality of Care (ISQua)  
International Physicians for the Prevention of Nuclear War (IPPNW)  
New York Academy of Sciences  
Turkish-German Health Foundation  
German Association for Tropical Medicine (DTG)  
German Association for Tropical Pediatrics  
Gesellschaft Deutscher Naturforscher und Ärzte  
International Society of Travel Medicine

### ***PERSONAL INFORMATION***

Born on March 1, 1952 in Waldniel/Niederrhein, Germany  
Married to Eser Sauerborn MD, since 1986  
Four children, Djan, born 1986 (boy), Mayda, born 1989 (girl), Timur, born 1992 (boy) and Ela, born 1993 (girl)  
Hobbies: listening to classical music, playing the piano, ethnic cooking, jogging, gardening, hiking, x-country skiing, cycling, world history, philosophy

## **TUTORING OF DOCTORAL STUDENTS AND HABILITATIONS**

### **1. SUPERVISED DOCTORAL STUDENTS**

#### **1.1. COMPLETED DISSERTATIONS (30)**

25% summa cum laude (university average: 1%)

66% magna cum laude

Average time till degree: 3,5 years

| #  | Name, first name            | Country of origin | Discipline of candidate | Degree     | Date of award | Durat'n (years) | Grade awarded          |
|----|-----------------------------|-------------------|-------------------------|------------|---------------|-----------------|------------------------|
| 31 | Aji, Budi                   | Indonesia         | Sociology               | Dr.Sc      | 2014          | 5               | <b>Magna cum laude</b> |
| 30 | Shafiu, Mohammed            | Nigeria           | Pharmacy                | Dr.Sc.     | 2014          | 4               | <b>Summa cum laude</b> |
| 29 | Prytherch, Helen            | U.K.              | Public Health           | Dr.Sc.     | 2013          | 3               | <b>Summa cum laude</b> |
| 28 | Robyn, Jake                 | USA               | Sociology               | Dr.Sc.     | 2013          | 4               | Magna cum laude        |
| 27 | Hii, Yien Ling <sup>o</sup> | Singapore         | Statistics              | Ph.D.      | 2013          | 4               | Swedish doctor: passed |
| 26 | Parmar, Divya               | India             | Economcis               | Dr.Sc.     | 2012          | 4               | Magna cum laude        |
| 25 | Dambach, Peter              | Germany           | Geography               | Dr.Sc.     | 2012          | 3               | <b>Summa cum laude</b> |
| 24 | Yrjoe-Koskinen,Jaakko       | Finland           | Medicine                | Dr.Sc.     | 2012          | 5               | Magna cum laude        |
| 23 | Shafik, Amal                | Egypt             | Dentistry               | Dr.Sc.     | 2012          | 4               | Magna cum laude        |
| 22 | Ahmad Malak                 | Pakistan          | Medicine                | Dr.med.    | 2011          | 3               | Magna cum laude        |
| 21 | Yamamoto, Shelby            | Canada            | Env'tl health           | Dr.Sc.     | 2010          | 4               | Magna cum laude        |
| 20 | Pfeiffer, Karolin           | Germany           | Medicine                | Dr.med     | 2009          | 5               | Magna cum laude        |
| 19 | Gnawali, Devendra           | Nepal             | Economics               | Dr.Sc.     | 2009          | 2.5             | Cum laude              |
| 18 | Loukanova, Svetla           | Bulgaria          | Medicine                | Dr.med     | 2008          | 3               | Magna cum laude        |
| 17 | Carrera, Percivil           | Phillippines      | Law                     | Dr.Sc.     | 2007          | 3               | Magna cum laude        |
| 16 | Akunne, Anayo               | Nigeria           | Pharmacy                | Dr.Sc.     | 2006          | 3.5             | Magna cum laude        |
| 15 | De Allegri, Manuela         | Italy             | Sociology               | Dr.Sc.     | 2005          | 3               | <b>Summa cum laude</b> |
| 14 | Yé, Yazoumé                 | Burkina Faso      | Geography               | Dr.Sc.     | 2005          | 3               | Magna cum laude        |
| 13 | Zoungrana, Alfonse          | Burkina Faso      | Medicine                | Dr.Méd*    | 2005          | 3               | Distinction            |
| 12 | Mujinja Phare               | Tanzania          | Ecnomics                | Dr.Sc.     | 2005          | 4               | Magna cum laude        |
| 11 | Wladarsch, Evelyn           | Germany           | Ethnology               | Dr. phil** | 2004          | 4               | <b>Summa cum laude</b> |
| 10 | Pokhrel, Subhash            | Nepal             | Ecnomics                | Dr.Sc.     | 2004          | 2.5             | <b>Summa cum laude</b> |
| 9  | Hayat, Budi                 | Indonesia         | Ecnomics                | Dr.Sc.     | 2004          | 3               | <b>Summa cum laude</b> |
| 8  | Horchler, Sonja             | Germany           | Sociology               | Dr.Sc.     | 2004          | 4               | Magna cum laude        |
| 7  | Mietens, Annette            | Germany           | Medicine                | Dr.med.    | 2004          | 3               | Cum laude              |
| 6  | Usfar, Avita                | Indonesia         | Nutrition               | Dr.Sc.     | 2003          | 3               | Magna cum laude        |
| 5  | Mugisha, Fred               | Uganda            | Statisticis             | Dr.Sc.     | 2002          | 2.5             | Magna cum laude        |
| 4  | Sameen, Siddiqi             | Pakistan          | Medicine                | Dr.med.    | 2002          | 4               | Magna cum laude        |
| 3  | Kowalewski, Marga           | Germany           | Medicine                | Dr.med.    | 2001          | 3               | Magna cum laude        |
| 2  | Roll, Clemens               | Germany           | Medicine                | Dr.med.    | 2000          | 4               | Magna cum laude        |
| 1  | Benzler, Justus             | Germany           | Medicine                | Dr.med.    | 2000          | 4               | Magna cum laude        |

\* Doctorat en Médecine", Co-tutor with Prof. M. Sawadogo, Dean, Medical Faculty, Ouagadougou

\*\* Doctoral supervision with Prof. J. Wassmann, Institute of Ethnology, Heidelberg University

<sup>o</sup> co-supervised as guest professor at Umeå University with Dr. Joacim Rocklöv as supervisor

## 1.2. DISSERTATIONS CURRENTLY UNDER SUPERVISION (15)

Of those: 2 already submitted to Faculty Committee, under review

4 in co-supervision with junior scientists (in statu habilitandi or equivalent)

9 supervised alone

|    | Name, first name     | Country of origin | Discipline of candidate | Start | Planned defense | Degree   |
|----|----------------------|-------------------|-------------------------|-------|-----------------|----------|
| 14 | Dalaba, Maxwell**    | Ghana             | Public Health           | 2010  | 2014            | Dr.Sc.   |
| 13 | Saronga Happiness**  | Tanzania          | Public Health           | 2010  | 2014            | Dr.Sc.   |
| 12 | Fei, Yang°           | China             | Biostatistics           | 2011  | 2014            | Dr.Sc.   |
| 11 | Ding Yan°            | China             | Health Management       | 2011  | 2014            | Dr.Sc.   |
| 10 | Aminul Haq°°         | Bangladesh        | Sociology               | 2009  | 2012            | Dr.Sc.   |
| 9  | Yé Maurice, M.Sc.    | Burkina Faso      | Medicine                | 2010  | 2013            | Dr.Sc.   |
| 8  | Savadogo, Germain    | Burkina Faso      | Health Economics        | 2010  | 2013            | Dr.Sc.   |
| 7  | Popilian, Ramona     | Germany/Romania   | Medicine                | 2008  | 2012            | Dr.med.  |
| 6  | Cofie, Patience      | Ghana             | Health promotion        | 2006  | 2013            | Dr.Sc.   |
| 5  | Stahl, Christian     | Germany           | Health Economics        | 2009  | 2013            | Dr.Sc.   |
| 4  | Vandenbergh, Alina   | Germany           | Medicine                | 2012  | 2015            | Dr.med.  |
| 3  | Chebby-Bunker, Aditi | New Zealand       | Biology/MPH             | 2012  | 2015            | Dr.Sc.   |
| 2  | Lietz, Henrike       | Germany           | Business/MPH            | 2012  | 2015            | Dr.Sc.   |
| 1  | Farzana, Yazmin      | Bangladesh        | Medicine                | 2012  | 2016            | Dr. med. |

° Dr.Sc. abbreviation for Dr. scientiarum humanarum

\*\*with cand habil Dr. Svetla Loukanova

° together with Prof. Hengjin Dong, Zhejiang University, China

°°submitted to Faculty in 10/2013, under review

## 2. SUPERVISED HABILITATIONS

(Postdoctoral degree, requirement to be appointed to a professorial position in Germany, Austria, Switzerland and other countries)

### 2.1. COMPLETED HABILITATIONS (8)

|   | Name, first name       | Country of origin | Field of candidate | Degree                       | Year of award |
|---|------------------------|-------------------|--------------------|------------------------------|---------------|
| 8 | De Allegri, Manuela    | Italy             | Health economics   | Dr. habil. in Public Health  | 2013          |
| 7 | Wilder-Smith, Annelies | Netherlands       | Public Health      | Dr. habil. in Public Health* | 2011          |
| 6 | Meissner, Peter        | Germany           | Tropical Medicine  | Dr. habil. in Trop. Medicine | 2010          |
| 5 | Junghanss, Thomas      | Germany           | Tropical Medicine  | Dr. habil. in Trop. Medicine | 2007          |
| 4 | Marx, Michael          | Germany           | Public Health      | Dr. habil. in Public Health  | 2006          |
| 3 | Müller, Olaf           | Germany           | Public Health      |                              | 2004          |
| 2 | Razum, Oliver          | Germany           | Public Health      |                              | 2003          |
| 1 | Jahn, Albrecht         | Germany           | Public Health      |                              | 2001          |

\*Umhabilitation von der "National University of Singapore"

## 2.2. HABILITATION CURRENTLY UNDER SUPERVISION

| # | Name, first name  | Country of origin | Field of candidate                                         | Degree                      | Expected year of award |
|---|-------------------|-------------------|------------------------------------------------------------|-----------------------------|------------------------|
| 1 | Phalkey, Revati   | India             | Health system challenges of natural and man-made disasters | Dr. habil. in Public Health | 2016                   |
| 4 | Loukanova, Svetla | Bulgaria          | Quality of care in poor countries                          | Dr. habil. in Public Health | 2016                   |
| 3 | Horstick, Olaf    | Germany           | Tropical Infectious Diseases                               | Dr. habil. in Public Health | 2015                   |
| 2 | Louis, Valérie    | France            | Climate change and health                                  | Dr. habil. in Public Health | 2016                   |
| 1 | Souares, Aurélia  | France            | Health care delivery in poor countries                     | Dr. habil. in Public Health | 2014                   |

## **PUBLICATIONS**

### **Reviewer for several journals and organizations**

Proceedings of the National Academy of Sciences (PNAS), Lancet, Health Economics, Social Science and Medicine, Malaria Journal, American Journal of Public Health, International Journal for Quality of Care, Tropical Medicine and International Health, Health Policy and Planning, Bulletin of the World Health Organization, Scandinavian Journal of Public Health, BMC Health Research Policy and Systems, Global Health Action. Experimental and Clinical Endocrinology & Diabetes.

Reviewer for the Federal Ministry of Research and Education (BMBF), the German Science Foundation (DFG), the Humboldt Foundation, the Wellcome Trust (UK), L'Agence Nationale de la Recherche (Paris), and Institut Pasteur (Paris).

Lead Author, Inter-Governmental Panel on Climate Change (IPCC), Fifth Assessment Report, Working Group II, "Impacts, Adaptation and Vulnerability", Chapter 11, "Human Health". 2000-2014.

Reviewer for the Intergovernmental Panel on Climate Change (IPCC) Fourth Assessment Report, Working Group II: "Impacts, Adaptation and Vulnerability", Chapter 8, Health, 2006.

Reviewer for the Millennium Ecosystem Assessment under the auspices of WHO.

### **Editorial board work**

BMC Public Health, Associate editor

Global health Action, Associate editor

### **1) Peer-reviewed journal articles**

#### **2014**

147. Mahendradhata Y, Souares A, Phalkey R, **Sauerborn R** (2013) Transitions of health care systems in low and middle-income countries toward patient-centeredness. PLoS Medicine. (accepted)
146. Stahl HC Ahmadi F, Schleicher U, **Sauerborn R**, Bermejo JL, Amirih ML, Sakhayee I, Christian Bogdan C, Stahl KW (2014) A randomized phase IIb wound healing trial of cutaneous leishmaniasis ulcers with 0.045% pharmaceutical chlorite (DAC N-055) with and without bipolar high frequency electrocauterization versus intralesional antimony in Afghanistan. BMC Infectious Diseases (Section: Parasitological diseases) (accepted)
145. Dalaba MA, Akweongo P, Williams J, Pius H; Saronga H, Tonchev P, **Sauerborn R**, Dong H, Loukanova S (2014) Costs associated with implementation of computer-assisted clinical decision support system for antenatal and delivery care: case study of Kassena-Nankana district of northern Ghana. PLOS One (accepted)
144. Loukanova S, Prytherch H, Blank A, Duysburgh E, Tomson G, Gustafson LL, Sié A, Williams J, Leshabari M, Haefeli WE, **Sauerborn R**, Fonn S (2014) Nesting PhD Students in North-South Partnership Health Systems Implementation Projects. Global Health Action 7:24070, doi 10.302/g5a.v7.24070.
143. Dambach P, Louis V, Kaiser A, Ouédago S, Sié A, **Sauerborn S**, Becker N (2014) Efficacy of *Bacillus thuringiensis* var *israelensis* against malaria mosquitoes in Northwestern Burkina Faso. Parasites & Vectors. In press.

142. Woodward A, Smith K, Campbell-Lendrum D, Chadee D, Honda Y, Liu Q, Olwoch J, Revich B, **Sauerborn R**, Chafe Z, Haines A (2014) Climate change and health – the latest report from the IPCC. *The Lancet* 283:1185-1189.
141. Yamamoto S, Louis V, Sié A, **Sauerborn R** (2014) Biomass smoke in Burkina Faso: what is the relationship between particulate matter, carbon monoxide, and kitchen characteristics? *Environ Sci Pollut Res Int.* 2014 Feb;21(4):2581-91; doi: 10.1007/s11356-013-2062-6.
140. Mohammed S, Souares A, Bermejo JL, **Sauerborn R**, Dong H (2014) Performance evaluation of a health insurance in Nigeria using optimal resource use: health care providers perspectives. *BMC Health Serv Res*; doi: 10.1186/1472-6963-14-127.
139. Saronga HP, Duysburgh E, Massawe S, Dalaba MA, Savadogo G, Tonchev P, Dong H, **Sauerborn R**, Loukanova S (2014) Efficiency of antenatal care and childbirth services in selected primary health care facilities in rural Tanzania: a cross-sectional study. *BMC Public Health*; doi: 10.1186/1472-6963-14-96.
138. Robyn PJ, Bärnighausen T, Savadogo G, Souares A, **Sauerborn R** (2014) Provider payment methods and health worker motivation in community-based health insurance: a mixed-methods study. *Social Science Medicine*; doi: 10.1016/j.socscimed.2014.01.034.
137. Parmer D, de Allegri M, Savadogo G, **Sauerborn R** (2014) Do community-based health insurance schemes fulfil the promise of equity? A study from Burkina Faso. *Health Policy and Planning* 2013; doi: 10.1093/heapol/czs136.

## 2013

136. Mohammed S, L Bermejo JL, Souares A, **Sauerborn R**, Dong H (2013) Assessing responsiveness of health care services within a health insurance scheme in Nigeria: Users' perspectives. *BMC Health Services Research*; doi: 10.1186/1472-6963-13-502.
135. Mohammed S, Souares A, Lorenzo BJ, Babale SM, **Sauerborn R** Ding H (2013) Satisfaction with the level and type of resource use of a health insurance scheme in Nigeria: Health management organizations' perspectives. *Intl. Journal of Health Policy and Planning*; doi:10.1002/hpm.2219.
134. Cofie P, de Allegri M, Pokhrel, Kouyaté B, Adjei S, **Sauerborn R** (2013) Effects of information, education and communication campaign on a community-based health insurance scheme in Burkina Faso. *Glob Health Action* 2013, 6: 20791 - <http://dx.doi.org/10.3402/gha.v6i0.20791>.
133. Fink G, Robyn PJ, Sié A, **Sauerborn R** (2013) Does health insurance improve health? Evidence from a randomized community-based controlled insurance rollout in Burkina Faso. *J. Health Economics.* 32(6):1043-56.
132. Ding Y, Smith HJ, Fei Y, Xu, B, Nie S, Yan W, Diwan VK, **Sauerborn R**, Dong H (2013) Factors influencing the provision of public health services by village doctors in Hubei and Jiangxe provinces, China. *Bull WHO* 91:64-69.
131. Dalaba MA, Akweongo P, Savadogo G, Saronga H, Williams J, **Sauerborn R**, Dong H, Loukanova S (2013) Cost of maternal health services in selected primary care centres in Ghana: a step down allocation approach. *BMC Health Services Research* 13:287.
130. Haque A, Aji B, Malik AA, Yamamoto SS, Louis VR, **Sauerborn R** (2013) Health coping strategies of people vulnerable to climate change in a resource-poor rural setting in Bangladesh. *BMC Public Health* 13:565.



129. Aji B, De Allegri M, Souares A, **Sauerborn R** (2013) The impact of health insurance programs on out-of-pocket expenditures in Indonesia: An increase or a decrease? *International Journal of Environmental Research and Public Health*. Int. J Environ Res Public Health 10:2995-3013; doi:10.3390/ijerph10072995.
128. Robyn, PJ, Bärnighausen T, Souares A, Savadogo G, Bicaba B, Sié A, **Sauerborn R** (2013) Does enrolment status in community-based insurance lead to poorer quality of care? *Intl Journal for Equity in Health* 12:31; <http://www.equityhealthj.com/content/12/1/31>.
127. Prytherch H, Kagoné M, Aninanya GA, Williams J, Kakoko DCV, Leshabari MT, Yé M, Marx M and **Sauerborn R** (2013) Motivation and incentives of rural maternal and neonatal health care providers: a comparison of qualitative findings from Burkina Faso, Ghana and Tanzania. *BMC Health Services Research* 13:149.
126. Blank A, Prytherch H, Kaltschmidt J, Krings A, Sukums F, Mensah N, Zakane A, Loukanova S, Gustafsson L, **Sauerborn R**, Haefeli EW (2013) Quality of prenatal and maternal care: bridging the know-do gap" (QUALMAT study): an electronic clinical decision support system for rural Sub-Saharan Africa. *BMC Medical Informatics and Decision Making* 13:44.

## 2012

125. Åström C, Rocklöv J, Hales S, Béguin A, Louis V, **Sauerborn R** (2012) Potential distribution of dengue fever under scenarios of climate change and economic development. *Ecohealth* 9:448-454.
124. Rocklöv J, **Sauerborn R**, Sankoh O (2012) Weather conditions and population level mortality in resource poor settings – understanding the past before projecting the future – editorial. *Global Health Action* Vol 5:20010-<http://dx.doi.org/10.3402/gha.v5i0.20010>.
123. **Sauerborn R**, Ebi K (2012) Climate change and natural disasters: integrating science and practice to protect health. *Global Health Action* 5; 1-7; doi: 10.3402/gha.v5i0.19295.
122. Prytherch H, Leshabari MT, Wiskow C, Aninanya GA, Kakoko DCV, Kagoné M, Burghardt J, Kynast-Wolf G, Marx M, **Sauerborn R** (2012) The challenges of developing an instrument to assess changes in health provider motivation at primary care level in rural Burkina Faso, Ghana and Tanzania. *Global Health Action* 5:19120– <http://dx.doi.org/10.3402/gha.V5i0.19120>.
121. Diboulo E, Sié A, Rocklöv J, Niamba L, Yé M, Bagagnan C, **Sauerborn R** (2012) Weather and Mortality: Retrospective analysis of 10 years of data from Nouna Health and Demographic Surveillance System (HDSS), Burkina Faso. *Global Health Action*. 5:19078-<http://dx.doi.org/10.3402/gha.v5D.19078>.
120. Parmer D, Souares D, de Allegri M, Savadogo G, **Sauerborn R** (2012) Adverse selection in a community-based health insurance scheme in rural Africa: Implications for introducing targeted subsidies. *BMC Health Services Research* 12:181; doi:10.1186/1472-6963-12-181.
119. Blomstedt Y, Souares A, Niamba L, Sié A, Weinehall W, **Sauerborn R** (2012) Measuring self-reported health in low-income countries: piloting three instruments in semi-rural Burkina Faso. *Global Health Action* 2012, 5:8488, 1-10.
118. Robyn, PJ, Bärnighausen T, Souares A, Savadogo G, Bicaba B, Sié A, **Sauerborn R** (2012) Health worker preferences for community-based health insurance payment mechanisms: a discrete choice experiment. *BMC Health Services Research* 12;159, 1-15.
117. Prytherch H, Kakoko D, Leshabari MT, **Sauerborn R**, Marx, M (2012) Maternal and newborn health care providers in rural Tanzania: in-depth interviews exploring influences on

motivation, performance and job satisfaction. *Rural and Remote Health* 12:2072, available at [www.rrh.org.au](http://www.rrh.org.au).

116. Nilsson M, Evengård B, **Sauerborn R**, Byass P (2012) Connecting the global climate change and public health agendas. *PLoS Medicine* 9(6)e1001227.
115. Dambach P, Machault V, Lacaux JP, Vignolles C, Sié A, **Sauerborn R** (2012) Utilization of combined remote sensing techniques to detect environmental variables influencing malaria vector densities in rural West Africa. *Intl J Health Geographics* 11(1)8.
114. Robyn, PJ, Bärnighausen T, Sié A, **Sauerborn R** (2012) Provider payment in community-based health insurance schemes in developing countries: a systematic review. *Health Policy and Planning*. doi: 10.1093/heapol/czs034.
113. Robyn, PJ, Fink G, Sié A, **Sauerborn R** (2012) Health insurance and health-seeking behavior: evidence from a randomised community-based insurance rollout in rural Burkina Faso. *Social Science and Medicine*. doi: 10.1016/j.socscimed.2011.12.018.
112. Haque A, Yamamoto S, Malik AA, **Sauerborn R** (2012) Households' perception of climate change and human health risk: a community perspective. *Environmental Health* 11:1.
111. Parmer D, Reinhold S, Souares A, Savadogo G, **Sauerborn R** (2012) Does community-based health insurance protect household assets? Evidence from rural Africa. *Health Services Research*. *Health Serv Research* 47(2)819-39.
110. Robyn PJ, Hill A, Liu Y, Souares A, Savadogo G, Sié A, **Sauerborn R** (2012) Econometric analysis to evaluate the effect of community-based health insurance on reducing informal self-care in Burkina Faso. *Health Policy & Planning* 27(2):156-165.

## 2011

109. Béguin A, Hales S, Rocklöv J, Åström C, Louis V, **Sauerborn R** (2011) The opposing effects of climate change and socio-economic development on the global distribution of malaria. *Global Environmental Change* 21:1209-1214.

## 2010

108. Yrjö-Koskinen J, Kagoné M, Souares A, **Sauerborn R** (2010) The Influence of Organizational Culture on Information Use in Decision Making within Government Health Services in Rural Burkina Faso. *Nordic J African Studies* 19(4):250-273.
107. Eriksen J, Mujinja P, Warsame M, Nsimba S, Kouyaté B, Gustafsson LL, Jahn A, Müller, **Sauerborn R**, Tomson G (2010) Effectiveness of a community intervention on malaria in rural Tanzania - a randomised controlled trial. *Afr Health Sci*;10(4):332-40.
106. Sié A, Louis V, Gbangou A, Müller O, Niamba L, Stieglbauer G, Yé M, Kouyaté B, **Sauerborn R**/Becher H (senior authors) (2010) The Health and Demographic Surveillance System (HDSS) in Nouna, Burkina Faso, 1993\_2007. *Global Health Action* 2010, 3: 5284.
105. Malik AA, Yamamoto SS, Souares A, Malik Z and **Sauerborn R** (2010) Motivational determinants among physicians in Lahore, Pakistan. *BMC Health Serv Res* 10:201.
104. Pokhrel S, De Allegri M, Gbangou A, **Sauerborn R** (2010). Illness reporting and demand for medical care in rural Burkina Faso. *Soc Sci Med* 70(11):1693-700.

103. **Sauerborn R** (2010) A changing climate's health impact: Sensitizing researchers and policy-makers to a huge and neglected issue. *EU Public Service Review: European Science & Technology* 10: 36-37.
102. Souares A, Savadogo G, **Sauerborn R** (2010) "Using community wealth ranking to identify the poor for subsidies: case study of community-based health insurance in Nouna, Burkina Faso". *Health & Social Care in the Community* 18(4):363-8.
101. Yamamoto S, Louis VR, Sié A, **Sauerborn R** (2010) Household risk factors for clinical malaria in a semi-urban area of Burkina Faso: a case-control study. *Trans R Soc Trop Med Hyg* 104(1): 61-5.
100. Yamamoto S, Souares A, Sié A, **Sauerborn R** (2010) Does recent contact with a health care provider make a difference in malaria knowledge? *J Trop Pediatr* 56(6):414-20.

## 2009

99. Nilsson M, Beaglehole R, **Sauerborn R** (2009) Lessons from tobacco control for climate policy (comment). *The Lancet*: 1955-1956, doi:10.1016/S0140-6736(09)61959-0.
98. Yamamoto S, Louis V, Ali Sié A, **Sauerborn R** (2009) The effects of zooprophylaxis and other mosquito control measures against malaria in Nouna, Burkina Faso. *Malaria Journal* 8:283 doi:10.1186/1475-2875-8-283.
97. Yé Y, Hoshen M, Kyobutungi C, Louis VR, **Sauerborn R** (2009) Local scale prediction of *Plasmodium falciparum* malaria transmission in an endemic region: a meteorologically based dynamic model. *Global Health Action*, doi: 10.3402/gha.v2i0.1923.
96. Yamamoto S, Sié A, **Sauerborn R** (2009) Cooking fuels in Burkina Faso: Which is better? *Global Health Action*, doi: 10.3402/gha.v2i0.2088.
95. **Sauerborn R**, Kjellstrom T, Nilsson M (2009) Health as a crucial driver for climate policy. *Global Health Action*, doi: 10.3402/gha.v2i0.2104.
94. Dambach P, Sié A, N, Lacaux JP, Vignolles C, Machault V, **Sauerborn R** (2009) Using high-spatial resolution remote sensing for risk mapping of malaria occurrence in the Nouna district (Burkina Faso). *Global Health Action* doi: 10.3402/gha.v2i0.2094.
93. Hii LY, Rocklöv J, Ng N, Siang CT, Yin PF, **Sauerborn R** (2009) Climate variability and increase in intensity and magnitude of dengue incidence in Singapore. *Global Health Action* doi: 10.3402/gha.v2i0.2036.
92. Evengård B, **Sauerborn R** (2009) Climate change influences infectious diseases both in the Arctic and tropics: joining the dots. *Global Health Action* doi:10.3402/gha.v2i0.2106.
91. Dong H, De Allegri M, Gnawali D, Souares A, **Sauerborn R** (2009) Drop-out analysis of community-based health insurance membership at Nouna, Burkina Faso. *Health Policy* 92:174-179.
90. De Allegri M, **Sauerborn R**, Kouyaté B, Flessa S (2009) Community Health Insurance in sub-Saharan Africa: What operational difficulties hamper its successful development? *Tropical Medicine and International Health* 14(5):1-11.
89. Gnawali DP, Pokhrel S, Sié A, Sanon M, De Allegri M, Souares A, Dong H, **Sauerborn R** (2009) The effect of community-based health insurance on the utilization of modern health care services: Evidence from Burkina Faso. *Health Policy* 90:214-222.

## 2008

88. De Allegri M, Pokhrel S, Becher H, Dong H, Mansmann, Kouyaté B, Kynast-Wolf G, Gbangou A, Sanon M, Bridges J, **Sauerborn R** (2008) Step-wedge cluster-randomised community-based trials. An application to the study of the impact of community health insurance. *BMC Health Research Policy and Systems* 6(1):10.
87. Dong H, Gbangou A, De Allegri M, Pokhrel S, **Sauerborn R** (2008) The differences in characteristics between health-care users and non-users: implication for introducing community-based health insurance in Burkina Faso. *Eur J Health Econ* 9(1):41-50.
86. Kouyaté B, Somé F, Jahn A, Coulibaly B, Eriksen J, **Sauerborn R**, Gustafsson L, Tomson G, Becher H, Müller O (2008) Process and effects of a community intervention on malaria in rural Burkina Faso: randomized controlled trial. *Malaria Journal* 7:50.
85. Pfeiffer K, Somé F, Müller O, Sié A, Kouyaté B, Häfeli WE, Zoungrana A, Gustafson LL, Tomson G, **Sauerborn R** (2008) Clinical diagnosis and the risk of chloroquine self medication in rural health centers in Burkina Faso. *Trop Med Intl Hlth* 13(3):418-26.

## 2007

84. De Allegri M, **Sauerborn R** (2007) Community based health insurance in developing countries – removing the financial barrier is only the first step towards better access to care (invited editorial). *British Medical Journal* 334:1282-1283.
83. Bärnighausen T, Yuanli L, Xinping Z, **Sauerborn R** (2007) Willingness to pay for health insurance among informal sector workers in urban China. *BMC Health Services Research* 7:114.
82. De Allegri M, **Sauerborn R** (2007) Die Entwicklung einer gemeindebasierten Krankenversicherung: Erfahrungsbericht aus dem ländlichen Burkina Faso. *Flugmedizin-Tropenmedizin-Reisemedizin* 14(2):90-92.
81. Yé Y, **Sauerborn R**, Simboro S, Hoshen M (2007) Using modeling to assess malaria infection risk during the dry season on a local scale in an endemic area of rural Burkina Faso. *Annals of Tropical Medicine and Parasitology* 101(5):375-389.
80. Yé Y, Kyobutungi C, Louis V and **Sauerborn R** (2007) Micro-epidemiology of *P falciparum* malaria: Is there any difference in transmission risk between neighbouring villages? *Malaria Journal* 6:46.
79. **Sauerborn R** (2007) Global environmental change - an agenda for research and teaching in public health – invited editorial. *Scand J Public Health* 35(6):561-3.
78. Yé Y, Louis V, Simboro S, **Sauerborn R** (2007) Effect of meteorological factors on clinical malaria risk among children: an assessment using village-based meteorological stations and community-based parasitological survey. *BMC Public Health* 7(1):101.
77. Yé Y, Hoshen M, Kyobutungi C, **Sauerborn R** (2007) Can weekly home visits and treatment by non-medical personnel reduce malaria-related mortality among children under age 5 years? *J Trop Pediatr* 53(4):292-293.
76. Kappas M, Karthe D, Kyobutungi C, Yé Y, **Sauerborn R** (2007) Climate change and diseases. *Geographische Rundschau* (international edition). Invited Review.

## 2006

75. De Allegri M, Sanon M, **Sauerborn R** (2006) „To enrol or not to enrol?” - a qualitative investigation of demand for health insurance in rural West Africa. *Social Science and Medicine* 62(Suppl 6): 1520-1527.
74. De Allegri M, Kouyaté B, Becher H, Gbangou A, Pokhrel S, Sanon M, **Sauerborn R** (2006) Understanding enrolment in community health insurance in sub-Saharan Africa: population-based case-control study in rural Burkina Faso. *WHO Bulletin* 84(11): 852-8.
73. Akunne AF, Louis VL, Sanon M, **Sauerborn R** (2006) Biomass solid fuel and acute respiratory infections: The ventilation factor. *International Journal of Hygiene and Environmental Health* 209(5):445-50.
72. Akunne AF, Bridges JF, Sanon M, **Sauerborn R** (2006) Comparison of individual and group valuation of health state scenarios across communities in West Africa. *Applied Health Economics & Health Policy* 5(4):261-268.
71. Yé Y, Hoshen M, Louis V, Simboro S, Traoré I, **Sauerborn R** (2006) Housing conditions and *Plasmodium falciparum* infection: protective effect of iron-sheet roofed houses. *Malaria Journal* 5:8.
70. Akunne AF, Kyobutungi C, **Sauerborn R** (2006) Lung cancer and indoor pollution from heating and cooking with solid fuels: the IARC international multi-centre case-control study in Eastern / Central Europe and the United Kingdom (Letter). *Am J of Epidem* 163(4); 392.
69. De Allegri M, Sanon M, Bridges J, **Sauerborn R** (2006) Understanding consumers' preferences and decision to enrol in community-based health insurance in rural West Africa. *Health Policy* 7(1): 58-71.

## 2005

68. De Allegri M, Pokhrel S, **Sauerborn R** (2005) Health financing and access to services (letter). *Lancet* 265:569-70.
67. Pokhrel S, Snow R, Dong HJ, Hidayat B, Flessa S, **Sauerborn R** (2005) Gender role and child health care utilization in Nepal. *Health Policy* 74:100-109.
66. Pokhrel S, Hidayat B, Flessa S, **Sauerborn R** (2005) Modeling the effectiveness of financing policies to address underutilization of child health care in Nepal. *Bulletin of the World Health Organization* 83(5):338-346.
65. **Sauerborn R**, Gbangou A, Dong H, Przyborski JM, Lanzer M (2005) Willingness to pay for hypothetical malaria vaccines. *Scand J Publ Hlth* 33:146-150.
64. Dong HJ, Kouyaté B, Cairns J, **Sauerborn R** (2005) Inequality in willingness-to-pay for community-based health insurance. *Health Policy* 72(2): 149-156.
63. Mujinja P, **Sauerborn R** (2005) Exploring willingness-to-pay for insecticides treated nets before intervention in a rural area in Tanzania. *East Afr Med J* 81(12):641-648.

## 2004

62. Dong H, Kouyate B, Cairns J, **Sauerborn R** (2004) Differential willingness of household heads to pay community-based health insurance premia for themselves and other household members. *Health Policy Plan* 19(2):120-6.

61. Hidayat B, Thabrany H, Dong HJ, **Sauerborn R** (2004) The effects of mandatory health insurance on equity in access to outpatient care in Indonesia. *Health Policy and Planning* 19(5): 322-335.
60. Mugisha F, Bocar K, Dong H, Chepng'eno G, **Sauerborn R** (2004) The two faces of enhancing utilization of health-care services: determinants of patient initiation and retention in rural Burkina Faso. *Bull World Health Organ* 82(8):572-579.
59. De Allegri M, Sanon M, Bridges J, **Sauerborn R** (2004) Preferences matters: understanding demand for voluntary health insurance (abstract). *Value in Health* 7(6):713.
58. Mujinja PGM, Makwaya CK, **Sauerborn R** (2004) Gender and willingness-to-pay for insecticide treated bed nets in a poor rural area in Tanzania. *East African Medical Journal* 81(12):641-648.
57. Akunne AF, Bridges JFP, **Sauerborn R** (2004) Visual Analogue Scales: Are The Elicited Preferences Analogue? (abstract) *Value in Health* 7(6):773.
56. Horchler S, Gerhardus A , Schmidt-Ehry G, Schmidt-Ehry B, Korte R, Mitra SK, **Sauerborn R** (2004) The role of research in a technical assistance agency: the case of the 'German Agency of Technical Cooperation. *Health Policy* 70(2) 229-241.
55. Dong H, Mugisha F, Gbangou A, Kouyaté B, **Sauerborn R** (2004) The feasibility of community-based insurance in Burkina Faso. *Health Policy* 69: 45-53.
54. Pokhrel S, **Sauerborn R** (2004) Household decision-making on child health care in developing countries: the case of Nepal. *Health Policy and Planning* 19(4):218-233.

## 2003

53. Dong HJ, Kouyaté B, Mugisha F, **Sauerborn R** (2003) Willingness-to-pay for community-based health insurance in Nouna, Burkina Faso. *Health Economics* 12 (10): 849-862.
52. Pokhrel S, **Sauerborn R** (2003) Medical spending and health outcome in Nepal: the problem with technology or distribution? *Bulletin World Health Organization* 81 (11):844-845.
51. Liu K, Dong H, **Sauerborn R** (2003) Cost analysis of pneumonia treatment in the Philippines. *Intl J Health Plan Mgmt* 18:1-11.
50. Dong H, Kouyaté B, Cairns J, **Sauerborn R** (2003) A comparison of the reliability of the take-it-or-leave-it and the bidding game approaches to estimating willingness-to-pay in a rural population in West Africa. *Soc Sci Med* 56:2181-2189.

## 2002

49. Bärnighausen T, **Sauerborn R** (2002) One hundred and eighteen years of the German health insurance system: are there any lessons for middle- and low-income countries? *Social Science and Medicine* 54:1559-1587.
48. Dong H, Kouyaté B, Snow R, Mugisha F, Cairns J, **Sauerborn R** (2002) Gender's effect on willingness-to-pay for community-based insurance in Burkina Faso. *Health Policy* 64:153-162.
47. Sommerfeld J, Sanon M, Kouyaté B, **Sauerborn R** (2002) Informal risk-sharing arrangements (IRAs) in rural Burkina Faso: lessons for the development of community-based insurance (CBI). *Intl J Hlth Plan Mngmnt.* 17:1-17.

46. Sommerfeld J, Sanon M, Kouyaté B, **Sauerborn R** (2002) Perceptions of risk, vulnerability and disease prevention in rural Burkina Faso: implications for community-based health care and insurance. *Human Organization* 61(2):139-146.
45. Baltussen RMP, Yé Y, Haddad S, **Sauerborn R** (2002) Perceived quality of care of primary health care services in Burkina Faso. *Health Policy and Planning* 17(1):42-48.
44. **Sauerborn R** (2002) Low quality of care in low-income countries – is the private sector the answer? *Intl. J Qual Care*. 13(4):281-282.
43. Mugisha F, Kouyaté B, Gbangou A, **Sauerborn R** (2002) Examining out-of-pocket expenditures on health care in Nouna, Burkina Faso: implications for health policy. *Tropical Medicine and International Health* 7(2):187-196.
42. Dandekar T, **Sauerborn R** (2002) Comparative genome analysis and pathway reconstruction. *Pharmacogenomics* 3(2): 1-12.
41. Siddiqi S, Hamid S, Rafique G, Chaudry SA, Ali N, Shahab S, **Sauerborn R** (2002) Prescription practices of public and private health care providers in Attock district of Pakistan. *Int J Hlth Plan Mngmnt* 17:23-40.
40. Mugisha F, Dong H, Kouyaté B, **Sauerborn R** (2002) Costing health care interventions at primary health facilities in Nouna, Burkina Faso. *Afr J Health Sci* 9(1-2):69-79.

## 2001

39. Würthwein R, Gbangou A, **Sauerborn R**, Schmidt CM (2001) Measuring the local burden of disease: analysis of years of life lost in Sub-Saharan Africa. *Int J Epidem* 30:501-508.
38. Sankoh O, Yé Y, Müller O, **Sauerborn R**, Becher H (2001) Clustering of childhood mortality in rural Burkina Faso. *Intl J Epidem* 30:485-492.
37. Xinping, Cui Bin, Sun Biwang, Xu Haifeng, Till Bärnighausen, Rainer **Sauerborn** (2001) Deguo yiyuan feiyong kongzhi ji dui woguo zhigong yiliao baoxiande jijin zuoyong (Cost containment in the hospital sector within the German health care system and potential application for the Chinese workers' health insurance). *Shehui yixue (Social Medicine)*.
36. Bärnighausen T, **Sauerborn R**, Zhang X, Cui B, Sun, B., Xu, H. (2001). Deguo jiankang baoxian ziwo guanli de zhengce zhiding jiqi fazhan (Policy formulation within and development of the self-governance in the German health insurance system). Accepted for publication in *Guowai yixue- Shehui yixue (Foreign Medical Science - Social Medicine)*.

## 2000

35. Krause G, **Sauerborn R** (2000) Community-effectiveness of care - the example of malaria treatment in rural Burkina Faso. *Annals of Tropical Pediatrics* 7:99-106.
34. Bärnighausen T, Zhang X, Cui B, Sun B, Xu H, **Sauerborn R** (2000) A historical overview and characterization of cost containment through budgeting in the outpatient sector of the German health care system (Deguo menzhen yusan kongzhide lishixing hiugu jiqi tezheng). *Foreign Medical Science & Social Medicine (Guowai yixue & Shehui yixue)* 17 (4): 172-5.
33. Bärnighausen T, **Sauerborn R**, Zhang X, Cui B, Sun B, Xu H (2000) The incremental development of the German health insurance system (Deguo jiankang baoxiande zhubu fazhan jizhi). *Foreign Medical Science & Social Medicine (Guowai yixue & Shehui yixue)* 17 (1): 9-14.

32. Bärnighausen T, **Sauerborn R**, Zhang X, Cui B, Sun B, Xu H (2000) A macroscopic analysis of cost containment in the German health care system (Deguo weisheng baojian xitong feiyong jiqi kongzhide hongguan fenxi). Foreign Medical Science & Social Medicine (Guowai yixue & Shehui yixue) 17 (2): 68-71.

## 1999

31. **Sauerborn R**, Nittayaramphong S, Gerhardus A (1999) Strategies to enhance the use of health systems research for the reform of the health sector. Tropical Medicine and International Health 4(12):827-835.
30. Baltussen R, Schmidt C.M., **Sauerborn R** (1999) Economic evaluation methods for community-based interventions. Health and System Science 3: 1-12.
29. Bärnighausen T, **Sauerborn R**, Zhang X, Cui B, Sun B, Xu H (1999). Deguo menzhen yusan kongzhide lishixing hiugu jiqi tezheng (A historical overview and characterization of cost containment through budgeting in the outpatient sector of the German health care system). Guowai yixue – Shehui yixue (Foreign Medical Science - Social Medicine), 17 (4): 172-4.

## 1998

28. Benzler J, **Sauerborn R** (1998) Rapid risk household screening by neonatal arm-circumference. Tropical Medicine and International Health, 3(12):962-974.
27. Adams AM, Cekan J, **Sauerborn R** (1998) Towards a conceptual framework of household coping: reflections from rural West Africa. Africa 68(2):263-283.

## 1997

26. Lippeveld T, **Sauerborn R**, and Sapirie S (1997) Health information systems-making them work. World Health Forum 18(2):176-184.
25. Garenne M, **Sauerborn R**, Nougara A , Borchert M, Benzler J (1997) Direct and indirect estimates of maternal mortality in a rural area of Burkina Faso (Nouna). Studies in Family Planning 28(1):54-61.

## 1996

24. **Sauerborn R**, Berman P, Nougara A (1996) Age bias, but no gender bias in the intra-household resource allocation for health care in rural Burkina Faso. Health Transition Review; 6:131-145.
23. Reerink I, **Sauerborn R** (1996) Quality of primary health care in developing countries – recent experiences and future direction. International Journal of Quality of Health Care 8(2)131-139.
22. **Sauerborn R**, Adams E, Hien M (1996) Household strategies to cope with the direct and indirect costs of illness. Social Science & Medicine 43(3):291-301.
21. **Sauerborn R**, Nougara A, Hien M, Diesfeld HJ (1996) Seasonal Variations of the Household Costs of Illness in Burkina Faso. Social Science & Medicine 43(3):281-290.
20. Develay A, **Sauerborn R**, Diesfeld HJ (1996) Perceived morbidity and determinants of health care utilization in an African urban area: results from a household study in Ouagadougou, Burkina Faso. Social Science & Medicine 43(11):1611-1619.



19. Doyle V, Rojas Z, Borchert M, **Sauerborn R**, Kimatta S, Alabi G, Krause G, Wahser U, and Siddiqi S (1996) Caring about quality: Enabling factors. What are the factors that allow for a successful quality assurance programme? Health action 15:6.

## 1995

18. **Sauerborn R**, Bodart C, Owona R. Recovery of recurrent health service costs through provincial health funds in Cameroon (1995) Social Science & Medicine. 40(12):1731-1739.
17. **Sauerborn R**, Ibrangho I, Nougara A, Borchert M, Koob E, Hien M, Diesfeld HJ (1995) The economic costs of illness for rural households in Burkina Faso. Tropical Medicine & Parasitology 46:53-60.

## 1994

16. **Sauerborn R**, Nougara A, Latimer E (1994) The elasticity of demand for health care in Burkina Faso: differences across age and income groups. Health Policy & Planning 9(2):185-192.

## 1993

15. **Sauerborn R**, Nougara A (1993) Traditional medicine is practiced by mothers rather than by traditional healers - a study in Solenzo, Burkina Faso. Curare Zeitschrift für Ethnomedizin und transkulturelle Psychiatrie 15:97-100.

## 1992

14. **Sauerborn R**, Minet J, Ouiminga R, Kone B, Sama R, Kanyel S, Ebrahim Z, Morley D (1992) Validity of maternal and neonatal indicators of low birth weight. Nutrition Research 12:307-320.

## 1991

13. **Sauerborn R**, Shepard D, Ettling M, Brinkmann, U, Nougara, A, Diesfeld, HJ (1991) Estimating the direct and indirect economic costs of malaria in a rural district of Burkina Faso. Tropical Medicine & Parasitology 42:219-223.
12. Shepard D, Ettling M, Brinkmann U, **Sauerborn R** (1991) The economic cost of malaria in Africa. Tropical Medicine & Parasitology 42:199-203.
11. **Sauerborn R**, Morley, D, Bullough, C (1991) Un método estadístico simple para obtener confiabilidad en las mediciones antropométricas. Salud Pública de México 33:106-111.
10. Minet JC, **Sauerborn R**, Kanyel S, Ludwifg R, Koné B, Diesfeld HJ (1991) Einfluss der mütterlichen Hämoglobinopathien auf Geburtsgewicht und andere neonatale Parameter. Eine Studie in Ouagadougou, Burkina Faso. Sozialpädiatrie in Klinik und Praxis.;13:582-584.

## 1990

9. **Sauerborn R**, Ouiminga R, Koné B, Oepen C, Ebrahim G (1990) Neonatal mid-upper-arm circumference is a valid proxy for birth-weight. Tropical Medicine & Parasitology 41:65-67.

## 1989

8. **Sauerborn R**, Nougara A, Diesfeld HJ (1989) Low utilization of community health workers - results from a household interview survey in Burkina Faso. *Social Science & Medicine* 29:1163-1174.
7. Nougara A, **Sauerborn R**, Oepen C, Diesfeld HJ (1989) Assessment of MCH-services offered by professional and community health workers in Burkina Faso - I) Utilization of MCH-services. *Journal of Tropical Pediatrics* 35 (Suppl. 1):2-9.
6. **Sauerborn R**, Nougara A, Bidiga J, Sorgho G, Tiebelesse L, Diesfeld HJ (1989) Assessment of MCH-services in the district of Solenzo, Burkina Faso - II) Acceptability. *Journal of Tropical Pediatrics* 35 (Suppl. 1):10-13.
5. **Sauerborn R**, Nougara A, Bidiga J, Sorgho G, Diesfeld HJ (1989) Assessment of MCH- services in the district of Solenzo, Burkina Faso - III) Effectivity of MCH-services in detecting of and caring for mothers and children at risk. *Journal of Tropical Pediatrics* 35 (Suppl. 1):14-17.

## 1987

4. **Sauerborn R**, Bouyain G (1987) Neonatal mid-upper arm circumference as a valid proxy measure of birth-weight. *Journal of Tropical Pediatrics* 33:220-221.

## 1976-84

3. Balmain A, **Sauerborn R**, Ramsden M, Pragnell I, Bowden G, Smith J, Cole G (1984) Oncogene activation at different stages of chemical carcinogenesis in mouse skin. In: Genetic variability in response to chemical exposure, Cold Spring Harbor Laboratory 243-255.
2. **Sauerborn R**, Balmain A, Goerttler K, Stöhr M (1978) On the existence of "arrested" G2-cells in mouse epidermis. *Cell & Tissue Kinetics* 11:291-300.
1. Goerttler K, Balmain A, **Sauerborn R** (1976) Comparison of various cell dispersal techniques applied to the model of mouse skin. *Proceedings of the 2nd international Symposium on pulse cytophotometry, Münster, Sept. 17-20, 156-161.*

## Internally peer-reviewed publications and discussion papers

11. Kynast-Wolf G, Stieglbauer G, Kouyaté B, Yé Y, Gbangou A, **Sauerborn R**, Becher H (2003) Mortality patterns, 1993-2001, in Sub-Saharan Africa: results from a demographic surveillance system in Nouna, Burkina Faso. SFB 544 Discussion paper # 1, Heidelberg University.
10. Dong H, Kouyaté B, Mugisha F, **Sauerborn R** (2001) Willingness-to-pay for community-based health insurance in Nouna, Burkina Faso. SFB 544 Discussion paper # 6, Heidelberg University.
9. Gerhardus A, Dujardin M, Kiet PHT, Siddiqi S, **Sauerborn R** (2000) A methodology to assess the use of research for health policy development. SFB 544 Discussion paper # 4, Heidelberg University.
8. Schmidt C, Baltussen R, **Sauerborn R** (2001) The evaluation of community-based interventions: group randomization, limits, alternatives. Institute for Labor research (IZA) Discussion paper No. 206, 1-17.
7. Sankoh O, Yé Y, Müller O, **Sauerborn R**, Becher H (2000) Clustering of childhood mortality in rural Burkina Faso. SFB 544 Discussion paper # 2, Heidelberg University.

6. Würthwein R, Gbangou A, **Sauerborn R**, Schmidt CM (2000) Yé Y. Measuring the Local Burden of Disease: A Study of Years of Life Lost in Sub-Saharan Africa. SFB 544 Discussion paper # 1, Heidelberg University.
5. **Sauerborn R** (1997) Strategies to enhance the use of information for decision-making. COHRED 10:1-3.
4. **Sauerborn R** (1995) Conclusions des résultats du "Projet Recherche-Action pour l'Amélioration des Soins de la Santé" pour la politique de santé Burkinabè- Le financement des soins. Papiers de discussion à l'intention des décideurs Burkinabè. Ministère de Santé Publique and HIID.
3. **Sauerborn R**, Nougara A, Hien M, Diesfeld HJ (1994) Why season matters - variations of household costs of illness in Burkina Faso. HIID Development Discussion Paper Series, No. 494, 16 pages, Harvard University.
2. **Sauerborn R**, Bodart C, Owona R (1993) Provincial Health Funds for the Recovery of Recurrent Costs of Health Services in Cameroon. HIID Development Discussion Paper Series, No. 468, 24 pages. Harvard University.
1. **Sauerborn R**, Nougara A, Latimer E (1993) Do user fees worsen access to health services? Harvard Institute for International Development Research Review, Harvard University.

*Teaching cases (Harvard Business School forma):*

with Marina Cárdenas, Charles Myers, Paul Gertler, Federico Martinez, Jeanne Madden: Simulation of the effect of user fees and co-payments on the demand for health care in urban Bolivia; for use in the "Summer Course on Health Care Financing in Developing Countries" at HIID.

## 2) Books (10)

10. **Sauerborn R**, Augustin J (lead authors) (2014) Auswirkungen des Klimawandels auf die Gesundheit. in: Schellnhuber J, Brasseur G (eds) Klimawandel und Anpassung: multidisziplinärer Bericht zu Deutschlands Zukunft. Springer Verlag, Heidelberg. (accepted)
9. **Sauerborn R**, Louis V (eds) (2014) Global environmental change and infectious diseases: impacts and adaptation strategies. Springer Verlag, Heidelberg. (accepted)
8. Yé Y, Sankoh, AO, Kouyate, B, **Sauerborn R** (2010) Environmental factors and malaria transmission risk. Ashgate Publishing Group, UK, 160 pages.
7. Grassl H, Schubert R, Epiney A, Kulessa M, Luther J, Nuscheler F, **Sauerborn R**, Schellnhuber HJ, Schulze E (2005) Fighting poverty through environmental policy. German Advisory Council for Global Change (WBGU, Berlin), Earthscan. London and Sterling.
6. Grassl H, Schubert R, Epiney A, Kulessa M, Luther J, Nuscheler F, **Sauerborn R**, Schellnhuber HJ, Schulze E (2003) Transforming energy systems. German Advisory Council for Global Change (WBGU, Berlin), Earthscan. London and Sterling.
5. Grassl H, Schubert R, Epiney A, Kulessa M, Luther J, Nuscheler F, **Sauerborn R**, Schellnhuber HJ, Schulze ED (2003) Climate Protection Strategies for the 21st Century. Kyoto and Beyond. German Advisory Council for Global Change (WBGU, Berlin), Earthscan. London and Sterling.

4. Grassl H, Schubert R, Epiney A, Kulesa M, Luther J, Nuscheler F, **Sauerborn R**, Schellnhuber HJ, Schulze ED (2002) Charging the Use of Global Commons. German Advisory Council for Global Change (WBGU, Berlin), Earthscan. London and Sterling.
3. Lippeveld T, **Sauerborn R**, Bodart C (2000) Health information system design and implementation. World Health Organization Monograph Series, WHO, Geneva, 270 pages.
2. **Sauerborn R**, in collaboration with Nougara A, Hien M, Ibrango I, Maïga M, Borchert M, Diesfeld HJ (1995) Stratégies d'adaptation des ménages aux coûts économiques de la maladie. Lang Verlag, Frankfurt, Berlin, Bern, New York, Paris, Wien, 279 pages.
1. **Sauerborn R**, Nougara A, Diesfeld H (1995) Recherche sur les systèmes de santé - l'étude de Solenzo, Burkina Faso. Lang Verlag, Frankfurt, Berlin, Bern, New York, Paris, Wien, 214 pages.

**White Books and Policy Papers for the Federal German Government,  
as member "Wissenschaftlicher Beirat für Globale Umweltveränderungen" (WBGU)**

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6. **Sauerborn R** (2011) A changing Climate's Health Impact. Public Service Review: Science and Technology, 10:1-2, EU, Brussels.
5. Grassl H, Schubert R, Epiney A, Kulesa M, Luther J, Nuscheler F, **Sauerborn R**, Schellnhuber HJ, Schulze ED (2004) Armutsbekämpfung durch Umweltpolitik, WBGU, Berlin.
4. Grassl H, Schubert R, Epiney A, Kulesa M, Luther J, Nuscheler F, **Sauerborn R**, Schellnhuber HJ, Schulze ED (2004) Renewable energies for sustainable development: Impulses for renewables, WBGU, Berlin.
3. Grassl H, Schubert R, Epiney A, Kulesa M, Luther J, Nuscheler F, **Sauerborn R**, Schellnhuber HJ, Schulze ED. (2003) Energiewende zur Nachhaltigkeit (White Book), WBGU, Berlin 2003.
2. Grassl H, Schubert R, Epiney A, Kulesa M, Luther J, Nuscheler F, **Sauerborn R**, Schellnhuber HJ, Schulze ED (2002) Charging the Use of Global Commons, WBGU, Berlin.
1. Grassl H, Schubert R, Epiney A, Kulesa M, Luther J, Nuscheler F, **Sauerborn R**, Schellnhuber HJ, Schulze ED (2001) The Johannesburg Opportunity – Key Elements of a Negotiation Strategy, WBGU, Berlin.

### **3) Book chapters**

32. **Sauerborn R** (2014) Intelligent energy: how can Europe cooperate with South-Asia? In: Wolf SO, Casaca P, Flanagan AJ, Rodriguez C (Editors) The merits of regional cooperation – the case of South Asia. Springer Verlag, Heidelberg & New York, pg. 87-94.
31. Blank A, Kaltschmidt J, Krings A, Haefeli, W E, **Sauerborn R**, Loukanova S (2013) e-Health in Afrika: Chancen eines Clinical Decision Support Systems in der medizinischen Grundversorgung im ländlichen Afrika. Duesberg, F. (Hrsg.) e-Health 2013, Solingen, pg. 120ff.

30. **Sauerborn R** (2010) Gesundheit und Gesundheitssysteme in den Tropen. In: Löscher T, Burchard GD. Tropenmedizin in Klinik und Praxis: mit Reise- und Migrationsmedizin. Thieme Verlag, Stuttgart.
29. Korte R, **Sauerborn R** (2010) Entwicklungszusammenarbeit: Konzepte und Evaluierung. In: Löscher T, Burchard GD. Tropenmedizin in Klinik und Praxis: mit Reise- und Migrationsmedizin. Thieme Verlag, Stuttgart.
28. **Sauerborn R** (2009) Kontrolle tropischer Infektionskrankheiten in: Lozán JL, Grassl H, Jendritzky G, Karbe L, Reise K (Edts) Warnsignal Klima: Gesundheitsrisiken.
27. **Sauerborn R** Micro-insurance and Micro-credit: any synergies? In: Sax W (ed). Health Transitions in India. Routledge Publisher. (accepted)
26. **Sauerborn R** (2007) Umweltveränderungen und globale Gesundheitsrisiken. In: Debiel T, Messner D, Nuscheler F. Globale Trends 2007 – Frieden, Umwelt, Entwicklung. Fischer Taschenbuch Verlag, pg.345-358.
25. Nestle M, Sakdapolrak P, Bohle H.-G., Glaser R, Louis V, Mistelbacher J, **Sauerborn R**, Gans P, Lechner M (2007) Chennai: Umweltkrise und Gesundheitsrisiken in einer indischen Megacity In: Glaser, R. & K. Kremb (Hrsg): Asien Darmstadt: WBG, 2007; pg.209-214 (Planet Erde)
24. **Sauerborn R** (2007) Kontrolle tropischer Infektionskrankheiten. In: Warnsignal Klima – Mögliche Auswirkungen für Menschen, Tiere und Pflanzen. Springer-Verlag.
23. Nestle M, Sakdapolrak P, Bohle HG, Glaser R, Louis V, Mistelbacher J, **Sauerborn R**, Gans P, Lechner M (2007) Chennai: Umweltkrise und Gesundheitsrisiken in einer indischen Megacity. In: Glaser R, Kremb K (Editor) Planet Erde: Asien. Wissenschaftliche Buchgesellschaft, Darmstadt, pg.209-216.
22. **Sauerborn R** (2007) Climate change and global health risks. In: Debiel T, Messner D, Nuscheler F. Global Trends 2007 – vulnerability and human security in the 21st century. Institute for Peace and Development, Duisburg, pg. 79-90.
21. Glaser, R et al (2006) Chennai: Umweltkrise und Gesundheitsrisiken in einer indischen Megacity, In: Planet Erde. Band 2: Asien, Wissenschaftliche Buchgesellschaft, Darmstadt, pg. 209-216
20. Glaser R, Lechner M, **Sauerborn R**, Louis V, Sakdapolrak P (2006) Wasserkrisen in der Megacity Chennai/Südindien. In: Gebhardt, H. et al. (eds.), Geographie. Physische Geographie und Humangeographie. Elsevier/Spektrum Akademischer Verlag, Heidelberg, pg. 1009-1014.
19. **Sauerborn R**, Matthies F (2006) Global environmental change and human health. In: Ehlers E and Krafft T (eds). Earth system science in the anthropocene: emerging issues and problems. Springer Verlag, pg. 113-134.
18. Bohle HG, Gans P, Glaser R, **Sauerborn R**, Louis V, Mistelbacher J, Nestle M, Sakdapolrak P (2006) Menschliche Gesundheit im Spannungsfeld von Umweltwandel, Bevölkerungs-dynamik und Agrarkrisen im Großraum Chennai, Südindien: Das Konzept der Vulnerabilität als Dritte Säule in der Geographie. In: Gebhardt, H. Glaser, R., Reuber, P. & Radtke (Hrsg.): Lehrbuch der Geographie, Spektrum Verlag, Heidelberg.
17. Kouyaté B, **Sauerborn R** (2005) Transformation into a national research center: The Nouna Health Research Center 1999 to today and the Heidelberg-Nouna cooperation. In: Becher H, Kouyaté B. (eds). Health research in developing countries. Springer, Heidelberg.

16. **Sauerborn R** (2002) Globaler Wandel und Gesundheit Strategien gegen die wachsende Bedrohung durch Infektionskrankheiten. In: Hempel G, Schulz-Baldes M (editors). Nachhaltigkeit und globaler Wandel - guter Rat ist teuer. Peter Lang Verlag, pg. 83-90.
15. Sommerfeld J, Baltussen R, Metz L, Sanon M, **Sauerborn R** (2002) Determinants of variance in health status variations. In: Murray C and Frenk J (eds). Summary measures of population health. WHO monograph, Geneva.
14. **Sauerborn R**, Karam M (2000) Geographic information systems. In: Lippeveld T, **Sauerborn R**, Bodart C. Design and implementation of health information systems. WHO Monograph, Geneva, pg. 213-224.
13. **Sauerborn R**, Lippeveld T (2000) Why health information systems? In: Lippeveld T, **Sauerborn R**, Bodart C. Design and implementation of health information systems. WHO Monograph, Geneva, pg. 1-14.
12. Lippeveld T, **Sauerborn R** (2000) A framework for designing health information systems. in: Lippeveld T, **Sauerborn R**, Bodart C. Design and implementation of health information systems. WHO Monograph, Geneva, pg. 15-22.
11. **Sauerborn R** (2000) Using information to make decisions. In: Lippeveld T, **Sauerborn R**, Bodart C. Design and implementation of health information systems. WHO Monograph, Geneva, pg. 33-48.
10. **Sauerborn R** (2000) Non-routine data collection methods. in: Lippeveld T, Sauerborn R, Bodart C. Design and implementation of health information systems. WHO Monograph, Geneva, pg. 114-127.
9. **Sauerborn R**, Lippeveld T (1995) HIID projects in health system development - history and lessons learned. In: HIID - projects and lessons learned, Harvard Institute for International Development.
8. **Sauerborn R** (1994) Household strategies to cope with the economic costs of illness - a community based study in Burkina Faso. Doctoral Dissertation, Harvard University, 318 pages.
7. **Sauerborn R**, Nougara A, Diesfeld HJ (1992) Action research on health services in Burkina Faso: concept and methodology 1988-1992. In: Methodology of Health Systems Research. Research reports of the Conference on "Methodology and relevance of health systems research" held by the Commission of the European Communities, Directorate XII "Science, Research and Development", pg. 43-55.
6. Diesfeld HJ, Nougara A, **Sauerborn R** (1992) The baseline survey 1984/87 in Solenzo. in: Methodology of Health Systems Research. Research reports of the Conference on "Methodology and relevance of health systems research" held by the Commission of the European Communities, Directorate XII "Science, Research and Development", pg. 26-42.
5. Shepard DS, Brinkmann U, Ettling MB, **Sauerborn R** (1990) Economic impact of malaria in Africa. 109 pages. Prepared for the Vector Biology and Control Project, US Agency for International Development, Washington.
4. **Sauerborn R** (1986) Validity of indicators of low birth weight for use by traditional birth attendants - a study from Burkina Faso. M.Sc. (MCH) thesis, University of London. 83 pages.

3. **Sauerborn R**, Nougara A, Diesfeld H 1985. Etude sur l'utilisation des soins de santé primaires à Solenzo - rapport final. Ministère de Santé Publique, Ouagadougou, 248 pp. Burkina Faso.
2. **Sauerborn R** (1976) Impulszytophotometrische Untersuchungen über die DNA-Verteilung in normaler und 12-o-tetradecanoyl-phorbol-13-acetat stimulierter Mäuseepidermis sowie in gut- und bösartigen Tumoren der Mäusehaut, 205 pages, Ph.D. Dissertation, University of Heidelberg.
1. **Sauerborn R** (1987) Verwaltungsaufgaben in ländlichen Gesundheitszentren im frankophonen Westafrika. in: Diesfeld HJ and Wolter S (Hrsg.) Medizin in Entwicklungsländern, pg. 217-223. Lang Verlag, Frankfurt, Berlin, Bern, New York, Paris, Wien.

#### **4) Book reviews**

2. **Sauerborn R** (2002) Human frontiers, environments and diseases by Anthony Mc Michael. Cambridge University Press. Book review. Global Change & Human Health 2(2).
1. **Sauerborn R**, Baltussen R (2002) Evaluating health risks – an economic approach. Cambridge University Press. By Per Olov Johansson. Soc Sci Med.

## **PRESENTATIONS**

### **2010**

- 112. **Sauerborn R.** Cancer: a global public health challenge: the case of HPV and cervical cancer. Hellen-Diller-Family Comprehensive Cancer Center, University of California at San Francisco (UCSF), May 28, 2010.
- 111. **Sauerborn R.** New approaches to PhD training in Germany and Sweden. Public Health Seminar, Center for Global Health and Development, Boston University, June 1<sup>st</sup>, 2010.
- 110. **Sauerborn R.** Triangular research cooperation with Sub-Saharan Africa. Conference "Germany and France towards a joint approach for the science and technology cooperation with developing countries": The example of Sub-Sahara Africa. Ministry of Science and Education (BMBF), Potsdam June 17-18, 2010.
- 109. **Sauerborn R.** Malaria in Europe: Hot Topic or hot air? 14<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), Vienna, Austria, April 14-14, 2010.

### **2009**

- 108. **Sauerborn R.** Getting research into policy and practice. "Health Systems Research (HSR) Lessons for the Future". Symposium in conjunction with the 25<sup>th</sup> anniversary of the Division of Global Health (ICHAR), Karolinska Institutet, Sept 25, 2009.
- 107. **Sauerborn R.** Climate Change and Human Health: Some Food for Thought and Action. James Grant School of Public Health, BRAC University, Savar, Bangladesh, February 23, 2009.
- 106. **Sauerborn R.** Integrating environmental and health information systems. GEOS workshop XXVII Health and the Environment, World Meteorological Organization (WMO) Geneva, July 7, 2009.
- 105. **Sauerborn R.** New infectious diseases in Europe: the possible impact of global warming. 14<sup>th</sup> Congress of the European Association of Hospital Pharmacists, Barcelona, March 25-27, 2009.
- 104. **Sauerborn R.** The double burden of disease: challenges for health systems. Jahrestagung der Dt. Gesellschaft für Tropenmedizin und Internationale Gesundheit. München 2009.

### **2008**

- 103. **Sauerborn R.** All hands on deck: a research agenda for health risks of climate change and system responses. Umea University, Sweden, November 24, 2008.
- 102. **Sauerborn R.** Climate change destabilizes infectious diseases: challenges for research, capacity building and policy. Global Ministerial Forum on Research for Health, Bamako, November 16-19, 2008.
- 101. **Sauerborn R,** Vignolle C, Lacaux JP. Remote sensing for predicting malaria risk maps. INDEPTH Annual Conference, Dar Es Salaam, Sept 22-26, 2008.
- 100. **Sauerborn R.** Les effets sanitaires du changement climatique. Colloque de l'Ecole Pasteur/CNAM de Santé. Paris, February 14-15, 2008.
- 99. **Sauerborn R.** Micro health insurance and micro credit: any synergies? DFG-Conference „Health Transition in India: Public Health, Governance and the Market“ in collaboration with the South Asia Institute, Heidelberg and the Institute for Developmental Studies, Kolkata, India. February 19-21, 2008.
- 94. **Sauerborn R.** Gefahr der Zunahme tropischer Infektionskrankheiten. Warnsignal Klima,



Öffentliches Symposium, Max Planck Institut f. Meteorologie und Univ Hamburg, 26.-28.6. 2008.

98. Souares A, Sawadogo G, Gnawali D, **Sauerborn R**. Targeting the poor: utilization of community wealth ranking to subsidize health insurance enrolment. 7th Intl. Conference on Health Economics, Management and Policy, Athens, Greece, July 10-13, 2008.
97. Gnawali DP, De Allegri M, Pohkrel S, Sié A, , Souares A, Dong H, **Sauerborn R**. The impact of community-based health insurance on equity in utilization of modern health care in rural Burkina Faso. 7th Intl Conference on Health Economics, Management and Policy, 10-13 July 2008, Athens, Greece.
96. Souares A, Sawadogo G, Gnawali D, **Sauerborn R**. Does Community-based insurance improve access to drugs and health care in Africa? International Society for Pharmacoeconomics and Outcomes Research. 13<sup>th</sup> Annual Meeting, May 3-7, 2008, Toronto. (accepted)
95. Gnawali DP, De Allegri M, Pohkrel S, Sié A, Souares A, Dong H, **Sauerborn R**. Inequity in enrolment in community-based health insurance in rural Burkina Faso. 7th European Conference on Health Economics Rome, University of Rome, Italy, July 23-26, 2008.

## 2007

94. **Sauerborn R**. The optimal financing and organization of health care in low and middle income countries. ESF-IfW Conference on the Global Health Economy, "The Global organization of biomedical innovation: funding, intellectual property rights, incentives and the diffusion of new technology". Kiel, Institute für Weltwirtschaft, Oct. 4-8, 2007.
93. **Sauerborn R**, Gbangou A, Wladarsch E, Sanon M, Dong H, van der Pol M. Time preference from an economist's and an anthropologist's perspective. 6th World Congress of the International Health Economics Association (IHEA), Copenhagen, July 8-11, 2007.
92. Gnawali DP, Pokhrel S, Sanon M, De Allegri M, **Sauerborn R**. Applying Propensity Score Matching to assess the impact of community-based health insurance on the demand for health care in rural Burkina Faso. 6th World Congress of the International Health Economics Association (IHEA), Copenhagen, July 8-11, 2007.
91. Dong H, Gnawali DP, De Allegri M, **Sauerborn R**. Drop-out analysis of community-based health insurance membership at Nouna, Burkina Faso. 6th World Congress of the International Health Economics Association (IHEA), Copenhagen, July 8-11, 2007.
90. Akunne A, **Sauerborn R**. Identification of critical attributes of function of health in a rural West African population. 6th World Congress of the International Health Economics Association (IHEA), Copenhagen, July 8-11, 2007.
89. Yamamoto S, Sié A, **Sauerborn R**. Household Characteristics and severe malaria in Nouna, Burkina Faso. 5th European Conference on Tropical Medicine and International Health, Amsterdam, May 24-28, 2007.
88. **Sauerborn R**. Global environmental change and infectious diseases – impact and adaptation. International Conference (IHDP) "Towards sustainable Global Health", Bonn, May 9-11, 2007.
87. **Sauerborn R**. Ecology of infectious diseases in the anthropocene. Jahrestagung der Gesellschaft für Tropenökologie, Bonn, February 21-25, 2007.
86. **Sauerborn R**, De Savigny D. What are the global challenges for population health? Does research address them? 100. Jahrestagung der Deutschen Tropenmedizinischen Gesellschaft (DTG), Berlin, September 21-23, 2007.

## 2006

85. Yé Y, Sankoh O, **Sauerborn R**. Effect of Local Weather Conditions on PlasmodiumFalciparum Infection Among Children In Savannah Regions. The 17th Global

International Conference and Expo, Miami USA , April 19-21, 2006.

84. Yé Y, Louis V, Simboro S, **Sauerborn R.** Local Weather Conditions and Plasmodium falciparum Infection among Children in Savannah Regions. Development and Adaptation Days at COP-11, Montreal, Canada, December 3-4, 2005.
83. Yé Y, Hoshen M, **Sauerborn R.** Malaria risk prediction in holoendemic area: the potential of small-scale mathematical modelling. Fourth MIM Pan-African Malaria Conference, Yaoundé, Cameroon, November 13-18, 2005.
82. Yé Y, Louis V, Simboro S, **Sauerborn R.** Are weather parameters good predictors for Plasmodium falciparum infection among under five children at a local scale in tropical dry savannah region?' COHAB 2005, the First International Conference on Health and Biodiversity, Galway, Ireland, August 23 – 25, 2005.
81. Yé Y, Wahl T, Reitmaier P, Siegmund A, **Sauerborn R.** Incorporating environmental factors in modelling malaria transmission in under five in rural Burkina Faso. Fourth INDEPTH-Network fourth Annual General and Scientific Meeting, Hanoi, Vietnam, May 3-7, 2004.
80. **Sauerborn R.** Reaching the poor: Does community-based health insurance help? Global Forum for Health Research, Cairo, October 29 – November 2, 2006.
79. Sauerborn R. Health Insurance for the Poor: a Dream or a Possibility? The American University, Cairo. November 1<sup>st</sup>, 2006.
78. **Sauerborn R.** Climate change impact on infectious diseases – impacts and adaptation. Keynote lecture, Conference EcoHealth ONE, Madison, October 7-9, 2006.
77. **Sauerborn R.** Reaching the poor: Does community-based health insurance help? Global Forum for Health Research, Cairo, October 29 – Nov 2, 2006.
76. **Sauerborn R.** Health Insurance for the Poor: a Dream or a Possibility? The American University, Cairo, November 1<sup>st</sup>, 2006.
75. **Sauerborn R.** Modeling the effect of temperature and precipitation on the micro-epidemiology of malaria in West Africa. Göttingen University Remote Sensing Conference, October 4-6, 2006.

## 2005

74. **Sauerborn R,** Kouyaté, B, Somé F, Bridges J. Cluster-randomized trial of community-based insurance. Conférence internationale sur le financement de la santé dans les pays en développement. Clermont-Ferrand, December 1-3, 2005.
73. **Sauerborn R,** Somé F, Pfeiffer K. Poor quality of care: a constraint to the implementation of community-based insurance. Conférence internationale sur le financement de la santé dans les pays en développement. Clermont-Ferrand, December 1-3, 2005.
72. De Allegri M, Sanon M, Tiawara G, **Sauerborn R.** Understanding decision to enroll in community-based insurance in sub-Saharan Africa: the case of the Nouna health district, Burkina Faso. Conférence internationale sur le financement de la santé dans les pays en développement. Clermont-Ferrand, December 1-3, 2005.
71. De Allegri M, Pohkrel S, **Sauerborn R,** Bridges J. Using multilevel modeling to explore demand for voluntary health insurance in low income countries. 5th World Congress of the International Health Economics Association (iHEA), Barcelona, 2005.
70. Pohkrel S, De Allegri M, Bridges JF, **Sauerborn R.** Does demand side subsidy improve health care utilization: a case study from Nouna, Burkina Faso. 5th World Congress of the International Health Economics Association (iHEA), Barcelona, 2005.
69. Pohkrel S, **Sauerborn R.** At what price would I say I'm sick: measuring health care costs' effect on illness perception. 5th World Congress of the International Health Economics Association (iHEA), Barcelona, 2005.

## 2004

- 68. Akunne AF, Bridges JFP, **Sauerborn R**. Visual Analogue Scales: Are The Elicited Preferences Analogue? ISPOR 7th Annual European Congress, Hamburg, Germany, 24-26 October, 2004.
- 67. De Allegri M, Sanon M, Bridges J, **Sauerborn R**. Preferences Matter: understanding demand For voluntary Health Insurance, ISPOR 7th Annual European Congress, Hamburg, Germany, October 24-26, 2004.

## 2003

- 66. **Sauerborn R**, Yé Y. Adding geo-science to demographic surveillance: a happy marriage? Workshop on „Environmental change and malaria risk: global and local implications“, Wageningen, NL, November 11-13, 2003.
- 65. Hidayat B, Thabrany H, Cashin C, **Sauerborn R**. Does health insurance coverage contribute on the demand for primary health care in Indonesia?: A policy implications for increasing access and expanding health insurance. 4th World Congress of the International Health Economics Association (iHEA), San Francisco, June 2003.
- 64. **Sauerborn R**, Mugisha F, Kouyaté B, Somé F, Dong H, Becher H. Gbangou A. Population- based data for estimating demand for health care under community-based insurance in Burkina Faso, 4th World Congress of the International Health Economics Association (iHEA), San Francisco, June 2003.
- 63. Pokhrel S, Cashin C and **Sauerborn R**. Modelling an episode of household decisions on Child Health Care. Poster presentation. 4th World Congress of the International Health Economics Association (iHEA), San Francisco, June 2003.

## 2002

- 62. **Sauerborn R**. The political economy of affliction, presentation and session chair: 1<sup>st</sup> EMBL conference. Infectious diseases and society. EMBL, Heidelberg, November 8-9, 2002.
- 61. **Sauerborn R**. Strategien gegen Gesundheitsbedrohung durch globalen Klimawandel. Ringvorlesung des Wissenschaftlichen Beirats der Bundesregierung Globale Umweltveränderungen und der Universität Bremen: auf dem Richtigen Weg? Zum Weltgipfel für Nachhaltige Entwicklung, Johannesburg 2002. Universität Bremen, June 11, 2002.
- 60. Hidayat B, Cashin C, **Sauerborn R**. Assessing the impact of health insurance on medical care. Asia Pacific Conf. "Health Insurance and Managed Care". Indonesia, May 22-25, 2002.
- 59. **Sauerborn R**. Demographic surveillance as a tool for public health research. Hanoi School of Public Health, Hanoi, Vietnam, February 13, 2002.

## 2001

- 58. **Sauerborn R**. Global environmental change and its impact on infectious diseases. Intl. Symposium "The future of tropical infectious diseases", Heidelberg, September 25-16, 2001.
- 57. **Sauerborn R**. Agriculture, Nutrition and Health. – Keynote lecture. Tropentag, Bonn, October 11, 2001.
- 56. Mugisha F, Kouyate B, Dong H, **Sauerborn R**. Costing health care interventions at primary health facilities in rural Burkina Faso: Abstract, Proceedings of the 3d Conference of the International Health Economics Association (iHEA), York, July 22-25, 2001.

## 2000

55. **Sauerborn R**, Yé Y. Demographic surveillance systems: a tool for the analysis of patterns of tropical diseases. Oxford 2000: New challenges in tropical medicine and parasitology, Oxford, United Kingdom, 18 – 22 September 2000.
54. Gbangou A, Würthwein R, **Sauerborn R**, Schmidt C. Years of life lost (YLL) by cause age and sex, in Nouna district, Burkina Faso - Comparison with the YLL and DALY estimates of the GBD program. Oxford 2000: New challenges in tropical medicine and parasitology. Oxford, United Kingdom 18 – 22 September 2000.
53. **Sauerborn R**, Telser H, Gbangou A. Assessing the willingness to pay insurance premiums in Burkina Faso XVth International Congress for Tropical Medicine and Malaria, Cartagena, 2000.
52. Dror D, Kutzin J, **Sauerborn R**. The concept of community-based insurance. XVth International Congress for Tropical Medicine and Malaria, Cartagena, 2000.
51. Krause G, **Sauerborn R**. A Comprehensive Study of Community Effectiveness: Malaria Treatment for Children and Adults in Rural Burkina Faso. XVth International Congress for Tropical Medicine and Malaria, Cartagena, 2000.
50. Kouyaté B, Sanon M, Sommerfeld J. **Sauerborn R**. Household preferences for benefit packages to be covered by community-based insurance. Household preferences for benefit packages to be covered by community-based insurance. XV<sup>th</sup> International Congress for Tropical Medicine and Malaria, Cartagena, 2000.
49. **Sauerborn R**, Fon P, Gbangou A, Kouyaté B, Lesser M, Yé Y. 2000. Willingness to pay for community-based insurance in rural Burkina Faso: Results from an exploratory study. 7th International Conference on System Science in Health Care, Budapest, May 29 - June 2, 2000.
48. Gerhardus A, Marx M, Sauerborn R. Can we assess our impact? A proposal for indicators to measure the use of research for policy-making. International Conference on Health Research for Development, Bangkok, October 10-13, 2000.

## 1999

47. Vargas V, Yondo D, Gbangou A, Somé F, Wahser U, **Sauerborn R**. District Health Accounts: Sources and Uses of Health Expenditures in a District in Burkina Faso. Presentation to the 2nd World Conference on Health Economics (IHEA), Rotterdam, June 6-9, 1999.
46. **Sauerborn R**. Seguro social et cajas de enfermedades para el sector informal en America Latina. Conference of the Pan American Health Organization, Washington, DC, 1999.

## 1998

45. **Sauerborn R**, Schmidt CM, Baltussen R, Snow R, Gauss T, Vargas V, Sommerfeld J. Towards community-based assessment of the burden of illness. Paper for discussion at the "Global Forum on Health Research" WHO, Geneva, June 26-28, 1998.

## 1997

44. **Sauerborn R**. Community-based health insurance in Sub-Saharan Africa - wishful thinking? German Association of Tropical Pediatrics, Kiel, January 24-26, 1997.

## 1996

43. **Sauerborn R**. Gesundheit - eine internationale Perspektive. Festrede zur Verleihung der Doktorwürde der Medizinischen Fakultät. Universität Heidelberg, 1996.

## 1995

42. **Sauerborn R.** The link between quality and financing of health care. Seminar given at the "Zentrum für Bevölkerungswissenschaften und Sozialpolitik", Fakultät für Gesundheitswissenschaften, Universität Bielefeld, Germany, October 17, 1995.
41. **Sauerborn R.** Equity issues in health care financing. Presentation for Williams College Fellows of Development Economics. Harvard University, October 16, 1995.
40. **Sauerborn R**, Nougata A, Diesfeld J. Measuring the health impact of policies - luxury or necessity? European Congress on Tropical Medicine, Hamburg, October 22-26, 1995.
39. Benzler J, **Sauerborn R**, Heinmüller J. Measuring arm-circumference of newborn children - a simple screening method to identify high-risk groups. European Congress on Tropical Medicine, Hamburg, October 22-26, 1995.
38. **Sauerborn R.** Longitudinal, community-based research methods for evaluating health policy. Seminar on "The future agenda of health care research in Palestine". Ministry of Health, Gaza, Palestine, Sept. 18-21, 1995.
37. **Sauerborn R.** Über die Beziehung zwischen Finanzierung und Nutzung von Gesundheitsdiensten in Entwicklungsländern. Heidelberg University, Germany, June 28, 1995.
36. **Sauerborn R.** Health impact assessment at low cost - the case of Burkina Faso. World Bank Luncheon Seminar Series, World Bank, Washington DC, May 24, 1995.
35. **Sauerborn R.** Financing health care in developing countries - has equity been abandoned? - An iconoclastic view. Luncheon Seminar Series, Harvard Institute for International Development, April 17, 1995.
34. **Sauerborn R**, Ibañez J, Murillo D, Martinez de Bujo F. Mostrar desigualdades en el sector social: el sistema geo-gráfica de información de indicadores de salud, desnutrición, educación, vivienda y pobreza en Bolivia. III Congreso Latinoamericano de Ciencias Sociales y Medicina, Sao Paulo, Brazil, April 9-13, 1995.
33. **Sauerborn R**, Lippeveld T. HIID projects in health system development - history and lessons learned. HIID research retreat, Bermuda, March 1995.
32. **Sauerborn R.** Quality of Care in Developing Countries. Quality of Care Seminar Series, Harvard School of Public Health, April 4, 1995.
31. **Sauerborn R.** Applications of geographical information systems in the health sector. Massachusetts Institute of Technology (MIT), May 1995.
30. **Sauerborn R.** Méthodes et résultats démographiques du Projet Recherche-Action sur l'Amélioration des Soins de Santé (PRAPASS) au Burkina Faso. Seminar Series of ORSTOM/ CEPED, Paris, February 2, 1995.
29. **Sauerborn R.** Quality of care in developing countries - where are we and where do we want to be? Workshop of the European Tropical Institutes (TROPMEDEUROP) in Lenzerheide, Switzerland, January 29- February 1, 1995. Presentation and chair of the work group on "Quality assurance".
28. **Sauerborn R**, Benzler J, Nougata A, Maïga M, Yang D, Ibañez J, Murillo D, Bodart C, Diesfeld HJ. Geographical information systems - toy or tool for health system research? Workshop of the European Tropical Institutes (TROPMEDEUROP) in Lenzerheide, Switzerland, January 29 - February 1, 1995.

## 1994

27. **Sauerborn R**, Nougata A, Hien M, Diesfeld HJ. Seasonal Variations of Household Costs of Illness in Burkina Faso. Meeting on "Development economics", Yale University, October 14-15, 1994.
26. **Sauerborn R.** Bodart C, Owona R. Threats to the viability of Provincial Health Funds - lessons from Cameroon. Harvard Institute for International Development Research Seminar, Newport, Connecticut, May 1994.

25. **Sauerborn R.** Gesundheitssystemforschung im internationalen Vergleich. Charité Hospital, Humboldt University, Berlin, Germany, May 1994.
24. **Sauerborn R,** Nougara A, Hien M, Diesfeld HJ. Does season matter? The Household Costs of Illness in Burkina Faso. Harvard Institute for International Development Research Seminar, Newport, Connecticut, May 1994.
23. **Sauerborn R,** Nougara A, Hien M, Maiga M, Diesfeld HJ. Age bias in households' healer choice and treatment expenditures - results from a study in rural Burkina Faso. Annual Meeting of the British Pediatric Association, Warwick, April 12-15, 1994.
22. **Sauerborn R.** Household strategies to cope with the economic costs of illness. Harvard Center for Population Studies Seminar Series, February 17, 1994

## 1993

21. **Sauerborn R,** Nougara, A, Borchert M, Hien M, Benzler J, Diesfeld HJ. Economic Costs of illness for households in Burkina Faso. Poster at the Joint Meeting of the German, Austrian and Swiss Association of Tropical Medicine, Konstanz, Germany, 1993.
20. Diesfeld HJ, **Sauerborn R,** Nougara A. Rationale and Methodology of the Community Based Health Care: an Intervention Study in the Kossi District of Burkina Faso. Presentation at the Joint Meeting of the German, Austrian and Swiss Association of Tropical Medicine, Konstanz, Germany, 1993.
19. **Sauerborn R.** Sustainability of revolving drug funds - lessons from Cameroon. Harvard Institute for International Development Research Seminar, Kennebunkport, Maine, 1993.
18. **Sauerborn R.** Do health services improve health? Development luncheon seminar series. Harvard Institute for International Development. Cambridge, 1993.
17. **Sauerborn R.** How households in Burkina Faso cope with the costs of illness. Harvard Institute for International Development, Cambridge 1993.
16. **Sauerborn R.** Coûts économiques de la maladie. Séminaire-atelier international sur les systèmes d'information sanitaires, Ouagadougou et Nouna, Burkina Faso, January 1993.

## 1992

15. **Sauerborn R,** Cassidy T. Geographical information systems - an interdisciplinary tool for development. Harvard Institute for International Development. Cambridge, 1992.

## 1991

14. **Sauerborn R.** Design of a longitudinal community-based study of the health impact of community co-financing in Burkina Faso. Harvard Center for Population Studies, Luncheon Seminar Series, 1991.
13. **Sauerborn R.** How can health research improve health policy? Some experiences from Burkina Faso. Harvard Institute for International Development, Cambridge, 1991.

## 1990

12. **Sauerborn R,** Nougara A, Diesfeld HJ. Méthodes de recherches opérationnelle à appliquer dans le cadre de la recherche-action du Ministère de la Santé Publique et de l'Action Sociale, Ouagadougou, Burkina Faso, 1990.
11. **Sauerborn R.** Primary Health Care - lessons learned and perspectives, Harvard School of Public Health, Boston, 1990.
10. **Sauerborn R.** Design of an intervention study testing a new health policy package of the Ministry of Health of Burkina Faso. Harvard School of Public Health, 1990.

## 1989

9. **Sauerborn R**, Diesfeld HJ, Nougara A. The role of traditional and family medicine - lessons from a household survey in Solenzo, Burkina Faso. 6. Annual Meeting of the German Association for Tropical Pediatrics, Rauscholzhausen, 1989.

## 1988

8. **Sauerborn R**, Diesfeld HJ, Nougara A. Differential utilization of traditional versus professional care - results from a household survey in Burkina Faso (poster). XIIth International Congress for Tropical Medicine and Malaria, Amsterdam, 1988.
7. Diesfeld H, **Sauerborn R**, Sorgho G, Nougara A. Detection and care of at-risk groups by MCH-services in Solenzo, Burkina Faso in: XIIth International Congress for Tropical Medicine and Malaria, Amsterdam, 1988.
6. **Sauerborn R**, Diesfeld HJ, Nougara A. Studie zur Nutzung von Basisgesundheitsdiensten in der Region Solenzo, Burkina Faso. Seminar Series of the Working-group: Tropical Medicine Heidelberg", University of Heidelberg, 1988.

## 1984-87

5. Diesfeld HJ, Nougara A, **Sauerborn R**, Sorgho G, Tiébéléssé L, Bidiga J. Séminaire atelier sur les résultats de l'enquête "Utilisation des services de santé de base dans la circonscription de Solenzo". Ministère de la Santé Publique, Ouagadougou, Burkina Faso, 1986.
4. Reitmaier P, Diesfeld HJ, **Sauerborn R**. Taschencomputer-gestützte Auswertung anthropometrischer Daten zur Erarbeitung von Ernährungskarten. Annual Meeting of the German Pediatric Association, Frankfurt, 1985.
3. **Sauerborn R**, Hien S. Verknüpfung einer Massenimpfung gegen Meningokokken-Meningitis (A+C), Masern und Tetanus mit einer Reihenuntersuchung auf Trachom in der Sous-préfecture von Nouna, Obervolta. Annual Meeting of the German Pediatric Association, Frankfurt, 1985.
2. Appell R, **Sauerborn R**, Bolkenius M, Oppermann H. Differentialdiagnose von entzündlichen und tumorösen Veränderungen in den Mittelhand- und -fußknochen bei Kindern und Jugendlichen. Annual Meeting of the German Pediatric Association, Tübingen, 1984.
1. **Sauerborn R**. Under Fives' Clinic - ein Modell integrierter Gesundheitsfürsorge für Kinder der Dritten Welt. 33rd Annual Meeting of the South-West German Association of Pediatrics, Saarbrücken, 1984.