

Wilbert Bannenberg, MD MSc(CHDC) MSc(Epid)

Public health consultant

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CURRICULUM VITAE

Personal data:

Born in Naaldwijk, the Netherlands (6th December 1952). Netherlands nationality. Male, married, two daughters (born 1988 and 1989). Partner Anne Emans is a public health physician.

Main area's of work:

- Pharmaceutical systems: National Drug Policy development and implementation support, access to essential drugs, regulatory systems support, drug legislation, generic substitution, intellectual property issues and medicines, drug financing, budgeting for priority drugs, selection of essential drugs and formulary development, quantification of drug needs, procurement, pricing, rational use of drugs, operational research
- Training: any area of pharmaceutical systems, general public health
- HIV/AIDS programmes, access to anti-retrovirals
- General public health consultancies
- Project identification, support, and evaluation
- Backstopping, shadow-consulting, training
- Information technology support to public health oriented software

Education, degrees:

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| 1971 - 1982 | Medical school, Free University, Amsterdam |
| 1982 | Medical Degree (cum laude): "Drug treatment of helminths" |
| 1984 - 1985 | Postgraduate training in public health at London School of Tropical Medicine and Hygiene, England |
| 1985 | Master of Science degree (with distinction) in Community Health in Developing Countries, topic: "Implementation of essential drug policies in East Africa" |
| 1993 | Official registration as "Epidemiologist A" with the Netherlands Epidemiological Society (compares to M.Sc. Epidemiology) |
| 1999 | Pharmaco-epidemiology certificate (Wits University) |

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Languages:

Netherlands: mother tongue
English: read + speak fluent, write good
German: read + speak fluent, write fair
Spanish: read good, speak fair, write poor
French: read + speak good, write poor
Afrikaans: read good, speak fair, write poor

Skills:

- Computer literate, Microsoft Word, Excel, dBase, Internet, Windows, Medicine-related software,
- Drug literature searches on Internet
- Driving license

Employment record:

1975 - 1983 (part-time) teacher social medicine and basic medical sciences at Amsterdam School for Child Welfare (HBOJ)
1981 - 1983 (part-time) teacher in the use of the WHO/ICD-9 disease classification at G.A.K./G.M.D., Amsterdam
1982 - 1983 coordinator of WEMOS, Amsterdam (foundation for medical development cooperation; founding member since 1979)
1983 – 1996 Self-employed freelance public health consultant (name of company: CHD - Consultants for Health & Development; see list of 50+ consultancies performed below)
1996 – 2000 Coordinator of the South African Drug Action Programme and pharmaceutical adviser of the South African Department of Health; employed by World Health Organization, Action Programme on Essential Drugs.
Jan-Dec 2001 WHO Technical Adviser on Pharmaceuticals for South Africa and SADC countries, based in Pretoria, South Africa.
2002 Self-employed public health consultant, based in Irene, South Africa
From April 2003 Public health consultant with HERA, based in the Netherlands

Other functions, memberships:

- Managing Director of the Generic Anti-retrovirals Procurement Project (GARPP), a non-profit company based in South Africa;
- Member of the Board, Initiative for Pharmaceutical Transfer of Technology (IPTT), a non-profit company based in South Africa;
- Member of the Board, IDA Foundation, the Netherlands
- Member of the Southern African HIV Clinicians Society
- Member of the Netherlands Association for International Health Care (NVTG)
- Founder and moderator of E-Drug, an Internet email discussion group on essential drugs. 1995-now [Http://www.essentialdrugs.org/edrug](http://www.essentialdrugs.org/edrug)

Short term consultancies list 1982 - 2002:

- * Health and pharmaceutical consultant for International Organization of Consumers Unions (IOCU) and Health Action International (HAI), incl. representative at the World Health Assemblies since 1982
- * Resource person at Royal Tropical Institute on essential drug policies & management and computing & public health (NTA, TVP, ICHD, DHC)
- * Study of the essential drug policies of Kenya, Rwanda, Burundi, Tanzania, Malawi, Zimbabwe and Zambia (4 months, 1984/85, for IOCU, Malaysia)
- * Organization of 2 regional conferences on essential drug policies in Nairobi (November 1985) and Harare (January 1986) (for IOCU, Malaysia)
- * Designer and course coordinator of the training course on Drug Regulation for African Countries, Berlin (DSE, Berlin, 3 months, April '86); DSE then started a programme on drug control courses with cooperation of WHO Geneva. Target group: pharmacists of Ministries of Health and professionals of Drug Regulatory Authorities. The course has been repeated for The Middle East (September 1987 - Berlin, November 1993 - Tunis, anglophone Africa (November 1987 - Harare, January 1989 - Yaounde, Cameroon and December 1991 - Lilongwe, Malawi), francophone Africa (Ouagadougou, Burkina Faso - November 1989, Cotonou, Benin - November 1992) and Southeast Asia (November 1990 - Malaysia).
- * Assessment pharmaceutical sector and quality control policy, Kenya (for GTZ, West Germany, 6 weeks, December 1985)
- * Designer and course coordinator of a 4-week training course in tropical epidemiology and statistics for African district health workers (DSE, Berlin, March 1987; repeated April 1988 and 1989. In 1990 and 1991 involved as consultant and computer and health information systems teacher). In 1992 the course was transferred to Nairobi.
- * Appraisal of 2 district hospitals in Peru (DGIS, October 1986)
- * Computerization of the national drug regulatory authority CONAMAD, Lima, Peru (for GTZ, West Germany, 3 weeks 1986, 3 x 3 weeks 1987, 3 weeks 1988, 2 weeks 1989), and Drugs Control Council, Harare, Zimbabwe (for DSE 2 x 1 month 1990, 1991).
In 1991 the software (PERUDIS/ZIMDIS) was adopted by WHO for use in other developing countries, and was presented to the ICDRA-5 meeting in Paris, October 1989 and Ottawa 1991. Manual available on request.
- * Development of a project on 'management of health information systems' (Liverpool School Tropical Medicine, December 1986). This later resulted in the CHIP project and a 3-month training course in health information systems.

- * Development of a computerized methodology for estimation of essential drug requirements (QUANTED software) (for WHO/DAP, 3 months, 1988 and 1989) Manual available on request.
- * (Interim) coordinator of the 3-month preparation course of dutch medical doctors for developing countries (NTA), Royal Tropical Institute, Amsterdam (April - December 1988)
- * WHO consultant in quantification of essential drug requirements to the Ministry of Health, Colombia (July 1988) and Uganda (October 1990)
- * Designer and coordinator of a one-week course in rational drug prescribing for foreign medical students and doctors in West-Germany (in german, September 1988, repeated twice yearly since, for Tropical Institute Heidelberg)
- * Evaluation of the WHO Action Programme on Essential Drugs and Vaccines, 6 months during 1989 (member of core-team, Royal Tropical Institute, Amsterdam)
- * Study visits to the Philippines, Indonesian and Malaysian Drug Regulatory Authorities to prepare a regional training seminar (for DSE, 1990)
- * Organiser and scientific coordinator of a training course in Drug Registration for South Eastern Asian countries, Kuala Lumpur/Penang, Malaysia (for DSE, 1990)
- * Organisation of a training course in rational use of drugs for Latin American NGO's, Montevideo, Uruguay (for HAI, 1991)
- * Evaluation of the Sudan Essential Drug Programme (April 1991, extra support mission August 1992, for DGIS and WHO)
- * Evaluation of the Yemen Arab Republic Essential Drug Programme (August 1991) (for DGIS and WHO)
- * Organisation of a training programme for electronic mail and networking, 1991 (for HAI and ISDB - the International Society of independent Drug Bulletins)
- * Support missions to Mali and Benin, where the Royal Tropical Institute of Amsterdam sets up an essential drug supply system (advice on setup of system and computerization, Mali 1990, Benin 1991, Mali 1991).
- * Organisation of a one-week seminar on rational use of drugs for Southern African NGO's, Harare, 1991 (for HAI)
- * Desk study review of 24 quantification studies (1992, for WHO)
- * Member of the working group on Structural Adjustment Programmes and Health (1991-2) and the World Bank World Development Report (1993) (for WEMOS)

- * Monitoring the drug supply component in the Emergency Recovery and Reconstruction Programme (ERRP), Ethiopia, on behalf of DGIS, USAID, African Development Bank and the World Bank, 1992 - 1994 (ongoing, through CDP-Eurohealth)
- * Desk study for the training needs of provincial health teams in Sudan (1993, for World Bank)
- * Development of a National Pharmaceutical Masterplan, Rwanda (6 months, 1992/93, PPF contract from World Bank, through CDP-Eurohealth)
- * Support mission to an emergency essential drug project in Goma, Kivu, Zaire (1993, for MSF-Holland)
- * Support mission to the Bolivian Essential Drug Programme (1993, for DGIS)
- * Development of a 5-year Masterplan 1994-1999 for the Ethiopian National Drug Programme (1993/94, for DGIS)
- * Mission to the Zambia Essential Drug Programme, to evaluate its capacity to procure essential drugs with Netherlands funds (1993, for DGIS)
- * Evaluation of the Ethiopian Red Cross Pharmacy Project (1994, team leader, for Danish Red Cross)
- * Identification mission for a future Burkina Faso Essential Drug Programme (1994, for DANIDA, through HERA Belgium)
- * Organisation of the 2nd regional conference of African Drug Regulatory Authorities (AFDRAC-2) in Berlin, Germany, as a preparation for the 7th International Conference of Drug Regulatory Authorities in Netherlands (1994, for DSE)
- * Procurement adviser to Ethiopian MOH on USD 6 million worth of essential drug kits (1994, with Jan Dik, for DGIS / Netherlands Embassy in Ethiopia)
- * Formulation of a draft Masterplan for the pharmaceutical sector in Ghana (1994, with Jan Dik, for DGIS Netherlands)
- * Identification mission to establish a Central Medical Stores in Madagascar (1994, with 3 colleagues, for European Union DG-VIII, through HERA Belgium)
- * Evaluation of the Myanmar (Burma) Essential Drug Programme (1995, with 3 colleagues, for WHO/DAP Geneva)
- * 6 support missions to the Department of Health, South Africa, to discuss strategies for the implementation of a National Essential Drugs Programme (1995 - 1996, for DFID)

- * Scientific coordinator of the DSE/WHO conference to make guidelines for drug information centres in developing countries (1995, for DSE)
- * WHO Expert Committee on National Drug Policies (WHO temporary adviser, 1995)
- * Coordinator of a training course in assessing applications for registration of generic drugs for anglophone African countries (1995, in Namibia, for DSE Berlin, in collaboration with WHO)
- * Support missions to the Essential Drug Programme in Eritrea (1995-1996, for DGIS)
- * Mission to appraise the procurement of drug supplies in Zambia (team leader, 1996, for MOH Zambia, financed by DGIS)
- * Mission to Zambia to assess the request for drugs for a World Bank tender (1996, for DGIS)
- * Coordinator of a training course in drug registration computerization for Eastern and Southern African countries (1996, in South Africa, for DSE Germany)
- Coordinator of the South African Drug Action Programme (1996-2000, based in Dept. of Health, Pretoria. (employed by WHO, funded by DFID)
- Support mission to Zimbabwe MOH, to advise on the impact of the TRIPS agreement on health and drug legislation (Sept 2000, for WHO)
- Support mission to the Swaziland Pharmaceutical Services to advise on the implementation of the National Drug Policy (August 2000, for WHO)
- WHO Technical adviser Pharmaceuticals for South Africa and SADC countries, based in Pretoria, South Africa (2001)
- Support mission to Ghana Ministry of Health to advise on the integration of the Ghana National Drugs Programme into a sector-wide health programme (SWAp) (March 2001, for WHO)
- Support mission to Botswana Ministry of Health to advise on the introduction of anti-retroviral drugs in the public sector (April 2001, for WHO)
- Support mission to Swaziland Ministry of Health to advise on an implementation plan for the new National Drugs Policy (Nov 2001, for WHO)
- Support mission to the Anti-retroviral Programme of the Nigerian Federal Ministry of Health (WHO/HIV consultant, Feb/March 2002)
- Consultant to the "Most prevalent infectious diseases project" in the Access to Medicines campaign (MSF Switzerland, 2002)

- Review of Zambia's Essential Drug Kit system for Rural Health Centres and Community Health Workers. (Netherlands Embassy in Zambia, May-June 2002)
- Team leader of the HERA team performing a Pharmaceutical Sector Review in Lesotho. Client: Ministry of Health and Social Welfare. Funding: World Bank loan. (MOH Lesotho, July 2002 - March 2003)
- *Managing director of GARPP, a non-profit company based in South Africa, aiming to promote access to (generic) ARVs (MSF-South Africa, ongoing, part-time)*
- Observer at the International Treatment Preparedness Conference, Capetown, March 2003 (Netherlands Government)
- Conference organiser of an expert meeting on the impact of the International Conference on Harmonisation (ICH) on developing countries (MSF-Switzerland, 2003)
- Mission to advise on the drugs component for the 2004-2009 Health Sector Support Programme in Tanzania (Danida, Oct 2003)
- Mid-term review of the EU Health Sector Support Programme in Zimbabwe (EU, Oct-Nov 2003, team leader)
- Adviser to the commodity working group of WHO's 3x5 team on anti-retrovirals in Zambia (WHO, pro deo, Sept-Nov 2003)
- Procurement adviser to the ARV roll-out programme, Dept of Health, Western Cape Province, South Africa (Netherlands Embassy, part-time, Nov 2003 – July 2004)
- Coordinator (part-time) of the Neglected Diseases Group, Doctors without Borders (MSF-Switzerland, from Jan 2004-now)
- Designer of the "ARV Solutions Africa" project, consisting of a buffer stock of ARVs and a capacity building and support centre in Africa (IDA, May 2004)
- Study "Trade, Health and AIDS", on the impact of TRIPS(+) on HIV/AIDS medicines in Nicaragua, Ghana and South Africa. (DGIS/DSI, June – August 2004).
- Team leader for studies on Access, Quality Control and Rational Use of Drugs in Kenya (MOH Kenya, July – October 2004)

Publications (excluding all consultancy reports):

- Bannenberg WJ. Het Wijkwelzijnscentrum (an urban primary health care centre), Institute for Social Medicine, Free University, Amsterdam, 1974, 80 pages.
- Bannenberg WJ. Health and Politics in Developing Countries (conference reader, co-editor), WEMOS, Amsterdam, 1981, 200 pages
- Bannenberg WJ (editor). Wel of niet gaan? (to go or not to go?), reader for health workers thinking of an overseas job, WEMOS, Amsterdam, 1983, 80 pages (co-editor)
- Bannenberg WJ. Drug Treatment of Helminths, (MD paper), Pharmacology Dept. and Parasitology Dept., Free University, Amsterdam, 1982, 90 p.
- Bannenberg WJ. The Implementation of Essential Drug Policies in East Africa, (M.Sc. dissertation), London School of Hygiene and Tropical Medicine, London, 1985, 124 pages
- Herxheimer A, Bannenberg WJ et al. Butazones under fire (letter). The Lancet, 9 March 1985, p. 580
- Bannenberg WJ, Soeters R. Computerized calculation of essential drug requirements, Social Science and Medicine, Vol. 27, No. 9, pp. 955-970, 1988
- Bannenberg WJ, Ceron L, Schulz W. PERUDIS: a computerized drug registration system in Peru: WHO Bulletin, Vol. 67, p. 455, 1989
- Bannenberg WJ. Nationale Arznejmittlepolitik in Zimbabwe, Pharma Brief 1990 No. 4, pp. 1-4
- Bannenberg WJ. de Wildt G, et al. World Bank's world development report (letter). The Lancet, Vol 342, p. 440, 1993
- Bannenberg WJ. National Drug Policies, chapter in: Health and Disease in Developing Countries, MacMillan, 1994
- Bannenberg WJ et al. Tweedehands geneesmiddelen naar de Derde wereld? (second-hand drugs for the third world?). Pharm Weekbl, Vol 129, nr 45, pp. 1127-9.
- Bannenberg WJ. Wat is essentieel en hoeveel is genoeg? (What is essential and how much is enough?). Chapter 85 in: Eshuis J et al. Snijden in een andere cultuur. Royal Tropical Institute, Amsterdam, 1994
- Bannenberg WJ. Essential drugs - south: how to redress the inequity? Chapter 14.1 in book: Van der Velden K (editor): Health matters: public health in north-south perspective, Health Policy series part 9, Bohn Stafleu Van Loghum, Houten/Diegem, 1995
- Bannenberg WJ. South Africa's National Drug Policy. Africa Health. Jan 1997.
- Bannenberg WJ et al. Computers in drug management. Chapter in: Quick J et al: Managing Drug Supply, 2nd edition, MSH Boston USA 1997.
- DOH (member of writing team). Standard Treatment Guidelines and Essential Drug List for hospital level. Dept of Health, South Africa, 1998.
- DOH (member of writing team). Guidelines for Good Practice in the conduct of clinical trials in human participants in South Africa. Dept of Health, South Africa, 2000.
- DOH (member of writing team). Ethics in Health Research: Principles, Structures and processes. Dept of Health, South Africa, 2003.
- DOH (member of writing team). Code of Ethics relating to Marketing Policies of Pharmaceutical Companies. Dept of Health, South Africa, 2004 (in press).

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