CURRICULUM VITAE

Publications on p.18 (Dec. 2022)

**STEN H. VERMUND**

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New Haven, CT 06510-3201

**Personal:** Spouse: Pilar Vargas, MD, PhD (m. 1978)

 Sons: Julian (b. 1980) and Gabriel (b. 1987)

 **EDUCATION AND POST-GRADUATE TRAINING**

1974 Stanford University, Stanford, CA, **B.A**. in Human Biology, with distinction

1977 Albert Einstein College of Medicine, Yeshiva University, Bronx, NY, **M.D.**

1977-1980 Presbyterian (Babies) Hospital, Pediatrics **Internship** and **Residency**, New York, NY

1981 London School of Hygiene and Tropical Medicine, U. of London, UK, **M.Sc**. in Community Health in Developing Countries (Communicable Disease Epidemiology and Control track in the Ross Institute), with distinction

1981 Royal Institute of Public Health and Hygiene, UK, **D.P.H.** (Diploma in Public Health),

1981-1983 **Mellon Foundation Fellowship** in Epidemiology in Medicine & Pediatrics, Columbia U.; **Fellow in Clinical Epidemiology**, Columbia-Presbyterian Medical Center

July 1986 Molecular Biology for the Epidemiologist (course), International Agency for Research in Cancer, France

1987 Columbia University, New York, NY, **M.Phil.** in Epidemiology

1990 Columbia University, New York, NY, **Ph.D.** in Epidemiology

2017 Honorary Masters of Arts, Yale University, New Haven, CT (**M.A.**, *in privatum*)

**BOARD CERTIFICATION AND MEDICAL LICENSURE**

MEDICAL LICENSES: **NY (1978-’89, 2021-active)**, PR (1983-‘84), MD (1989-‘94), AL (1994-‘05), TN (2006-‘18)

MEDICAL BOARDS: National Board of Medical Examiners (1978); American Board of Pediatrics (1984); American Board of Preventive Medicine: Preventive Medicine & General Public Health (1987)

CERTIFICATIONS BY EXAMINATION: American College of Epidemiology (1987); American Society of Tropical Medicine and Hygiene: Certificate of Knowledge in Clinical Tropical Medicine & Traveler’s Health (1999)

PROFESSIONAL APPOINTMENTS

ACADEMIC AND GOVERNMENT

1977 – 80 Visiting Clinical Fellow, Columbia University

1981 Guest Researcher, Centers for Disease Control, San Juan Laboratory, P.R.

1981 – 83 Staff Associate in Pediatrics and Fellow in Clinical Epidemiology,

 Columbia University College of Physicians and Surgeons (CU P&S)

1983 – 85 Assistant Prof. of Public Health (Epidemiology) & Pediatrics, CU P&S

1985 – 89 Visiting Professor, City University of New York Medical School (teaching)

1985 – 89 Adjunct Assistant Professor of Public Health (Epidemiology), CU P&S (teaching)

1985 – 89 Assistant Professor of Epidemiology and Social Medicine and Pediatrics,

 Albert Einstein College of Medicine (AECOM)

1986 – 88 Associate Director, Camp David Program for International Health, AECOM (Dr. Barry Bloom, Director)

1987 – 88 Visiting Clin. Assistant Prof., Community Med., NY College of Osteopathic Medicine (teaching)

1986 – 88 Adjunct Assistant Prof. of Public Health, Cornell University Medical College (teaching)

1989 - 94 Associate Clinical Professor of Epidemiology and Social Medicine, AECOM (collaborative research)

1988 – 92 Chief, Epidemiology Branch, AIDS Program, National Institute of Allergy and Infectious Diseases (NIAID)

 National Institutes of Health (NIH)

1992 – 94 Chief, Vaccine Trials & Epidemiology Branch, Clinical Research Program, Division of AIDS, NIAID, NIH

1994 – 05 University of Alabama at Birmingham (UAB)

* Professor, Epidemiology, Medicine, Pediatrics, and Nutrition Sciences (1994-June 2005)
* Director, Division of Geographic Medicine, Dept. of Medicine, U. of Alabama School of Medicine (1994-2005)
* Chair, Department of Epidemiology, UAB School of Public Health (1994-June 1998)
* Sr Scientist; Assoc. Dir. for Epidemiology & Int’l Research; Exec. Comm. (1994-03), Center for AIDS Research
* Senior Scientist (Epidemiology coordinator through 2000), Comprehensive Cancer Center
* Senior Scientist and Advisory Committee Member, Center for Health Promotion
* Director (1999-2005), John J. Sparkman Center for International Public Health Education (renamed Sparkman Center for Global Health in 2004). School of Public Health
* Senior Scientist and Executive Committee Member, Center for Social Medicine and STD
* Senior Scientist, Center for Outcomes Effectiveness, Research & Education (since 1999)
* Periodic service (during their travel): acting Dept. Chair, Dept. of Medicine & acting Dean, Sch. of Public Health
* 2005-2011, Adjunct Professor, Department of Epidemiology, School of Public Health

1994 – 05 Board of Directors, Gorgas Memorial Institute of Tropical Medicine and Preventive Medicine, Inc. (1994-‘95, Secretary; 1995-2005, President)

2000 – 04 Board of Directors, Centre for Infectious Disease Research in Zambia (founding Director, 2000-2002)

2005 – Jan. 2017 Vanderbilt University School of Medicine (VUSM)

* Professor of Pediatrics, Medicine, Preventive Medicine (renamed Health Policy), and Obstetrics and Gynecology
* Amos Christie Chair in Global Health
* Director, Vanderbilt Institute for Global Health (a university-wide center)
* 2005-2012: Member, Steering Committee, Program on Medicine, Health, and Society, Vanderbilt U.
* 2008-‘12: Exec. Comm., Vanderbilt-Meharry Center for AIDS Research (CFAR) & Assoc. Dir. for Int’l Research
* 2015-present: Exec. Comm., Tennessee CFAR, Assoc. Dir. & co-chair of the Continuum of Care Working Group

2006 - Jan. 2017 Chief Manager, Friends in Global Health, LLC (component of Vanderbilt Health, Inc.,

 registered as a non-governmental organization in Mozambique and Nigeria)

2014 – present Adjunct Professor of Epidemiology, Harvard School of Public Health

2015 – 2016 **Assistant Vice Chancellor for Global Health**, Vanderbilt University

2016 – Jan. 2017 **Vice President for Global Health**, Vanderbilt University Medical Center

Feb. 2017-June 2022 **Dean,** Yale School of Public Health (YSPH);

Feb. 2017-present **Anna M.R. Lauder Professor of Public Health**, **Professor of Epidemiology (Microbial**

**Diseases)**, **Professor of Pediatrics (Infectious Disease)**, **Clinical Professor of Obstetrics, Gynecology, and Reproductive Sciences,** Yale School of Medicine, Yale University; Member: Yale Cancer Center (chair of Internal Advisory Board, 2017-2021); Yale Center for Clinical Investigation; Center for Interdisciplinary Research on AIDS (Executive Committee, 2017-current)

**HONORARY APPOINTMENTS**

2005 Honorary Professor, University of Hebei School of Medicine. Shijiazhuang, Hebei Province, China

2006 Honorary Professor, Universidad Central del Ecuador, Quito, Ecuador

2010-lifetime Honorary Member, Instituto de Medicina Tropical ‘Alexander von Humboldt’, Universidad Peruana Cayetano Heredia, Lima, Peru

2018-active Senior Academic Advisor, Medical Health Law Center. Central South University, Hunan Province, China

2019-active Honorary Professor, Capital Medical University, Beijing, China

2022-active Honorary Professor, University of Malaysia, Kuala Lumpur, Malaysia

**HOSPITAL**

1977 – 1980 Intern and Resident Physician, Presbyterian (Babies) Hospital, New York

1980 Summer Physician, The Floating Hospital of New York

1981 - 1983 Assistant Pediatrician, Babies Hospital, New York

1982 - 1985 Pediatrician, General Pediatric Group Practice, Presbyterian (Babies) Hospital, NY

1983 - 1985 Assistant Attending Pediatrician, Babies Hospital/Presbyterian Hospital, NY

1985 - 1988 Assistant Att. Physician in Epidemiol. & Social Med.; Assistant Att. Pediatrician, Montefiore Medical Center, Bronx Municipal Hosp. Center, North Central Bronx Hosp. & Jack D. Weiler Hosp. of AECOM

1994 - 2005 Attending Physician, University of Alabama Hospitals; Physician, Travelers Health Clinic, the Kirklin Clinic, U. of Alabama Health Services Foundation

2006 –2017 Attending Physician, Vanderbilt U. Hospital and the Monroe Carell Jr. Children's Hospital at Vanderbilt; Physician, Vanderbilt International Travel Clinic (2014 – 2015 Interim Director), The Vanderbilt Clinic

2017-present Not clinically active. License active in New York State

**PROFESSIONAL ORGANIZATIONS** (selected)

American Academy of Pediatrics, *Fellow* (inactive)

Royal Society of Tropical Medicine and Hygiene, *Fellow*

American Society of Tropical Medicine and Hygiene

International AIDS Society

Infectious Disease Society of America, *Fellow*

American College of Preventive Medicine, *Fellow*

Global Health Education Consortium, 2009-‘12 merged with Consortium of Universities for Global Health

National Academy of Medicine (*Member*, formerly the Institute of Medicine)

American Pediatric Society

Society for Pediatric Research

American Public Health Association

Connecticut Academy of Science and Engineering, Member 2017- ; V.P./President-Elect in 2022-2024; Board 2022-2028

**PROFESSIONAL ACTIVITIES**

**AWARDS AND HONORS**

1974 **B.A. with distinction**, Stanford University

1980 **Edward C. Curnen, Jr. Award,** “The [house] officer who best exemplifies the ideas of humane and compassionate patient care...”

1981 **M.Sc. with distinction**, London School of Hygiene and Tropical Medicine

1982 **Lalcaca Medal**, London School of Hygiene and Tropical Medicine (awarded to the best student in the Communicable Disease Epidemiology and Control track)

1983-85 Mellon Foundation Faculty Fellowship - Epidemiology in Medicine, Columbia U.

1988 Election to Sigma Xi, the National Research Society

1988 Commissioner's Certificate of Merit for Service, New York City Dept. of Health; two awards

1989 NIAID/NIH/PHS/DHHS Meritorious Service Award

1993 Henry L. Moses Award, Montefiore Medical Center, Clinical category (for Vermund SH, et al. *Am J Obstet Gynecol* 1991; 165: 392-400)

1993 Surgeon General's Certificate of Appreciation, U.S. Public Health Service, Department of Health and Human Services (DHHS); two awards in the same year)

1994 **Public Health Service Superior Service Award**, DHHS (highest civilian award in the U.S.P.H.S.)

1. Inaugural Ted Wisniewski Lecturer, LSU School of Medicine (inaugural speaker)
2. Alvin Goldfarb Lecturer, North American Society for Pediatric and Adolescent Gynecology

1998 Election to Phi Beta Delta Honor Society for International Scholars – Beta Nu Chapter UAB

1998 Election to Delta Omega Honor Society for Public Health by the students of the UAB School of Public Health

1998 Award of Appreciation, UAB SOPH, for service as Dept of Epidemiology Chair

1998-‘06 Appointment to US-Japan Panel on AIDS, US-Japan Cooperative Science Program; 4-year term followed by re-appointment as **Chair** of the US Panel

1. **Government of Sindh (Pakistan) and UNAIDS Award** “in appreciation of support in prevention and control of STD/HIV/AIDS in Sindh, Pakistan.”

2000 **Government of Sindh (Pakistan) Appreciation Award** for “invaluable contributions …prevention and control of STDs/HIV/AIDS in Pakistan”, AIDS Control Programme

1. Government of Sindh (Pakistan) Appreciation Awardof contribution towards prevention of HIV/AIDS in Sindh AIDS Control Programme; two awards in the same year
2. **UAB Provost’s Recognition Award** “for contributions to the internationalization of UAB through research and educational programs”
3. **Distinguished Faculty Investigator Award,** UAB SOPH

2002&‘03Finalist, President’s Excellence in Teaching Award, UAB SOPH

2004 Inaugural John C. Cutler Annual Global Health Lecturer, University of Pittsburgh

2005 Gertrude & Herman Silver Award; Silver Lecturer, Children’s Hosp. of Philadelphia, U. of Pennsylvania

2005 Awards of Appreciation, UAB School of Medicine for services as Dir, Div. of Geographic Medicine (11 yrs) & UAB SOPH for service as Chair of Epidemiology & Dir., Sparkman Center for Global Health (10 yrs)

2006 **Global Health Ambassador**, Paul Rogers Society, Research!America

2007 Clinical Practice Poster Award, SGO 38th Annual Mtg. on Women’s Cancer, Society of Gynecologic Oncologists 37th Annual Mtg. for abstract #358 [see Parhams et al, reference 233 below].

2008 Discovery Lecturer, Vanderbilt University Medical Center

2008-‘13 **US delegate,** JointU.S.-Japan Cooperative Medical Science Program (USJCMSP) Committee

2009 Special Lecturer, Institute for Tropical Medicine, Antwerp, Belgium.

2010 Inaugural plenary speaker, .First intramural research symposium “La Recerca en Salut Pública”, Government of Catalonia Dept of Health & Centre d'Estudis Epidemiològics sobre les ITS i Sida de Catalunya

2010 University Lecturer, JN Medical College, KLE U., Belgoam, Karnataka, India

2010 **Albert Einstein College of Medicine Alumnus Lifetime Achievement Award**

2010- **Honorary Member**, Institute of Tropical Medicine ‘Alexander von Humboldt’, Universidad Peruana Cayetano Heredia, Lima, Peru

2011 Chancellor’s Lecture, Vanderbilt University

2011 **Drs. Anvar and Pari Velji Faculty Award for Teaching Excellence in Global Health**, Global Health Education Consortium

2012 **Douglas K. Richardson Award for Perinatal & Pediatric Health Care Research**, Soc. for Pediatric Research

2012 Elected **Member, National Academy of Medicine**, (former Institute of Med.), National Academy of Sciences

2012 Elected **Fellow, American Association for the Advancement of Sciences**

2012 Elected **Member, American Pediatric Society**

2013 **Norman J. Siegel New Member Outstanding Scientist Award**, American Pediatric Society

2014 **Allan Rosenfield Alumni Award for Excellence in Public Health**, Mailman School of Public Health,

Columbia University

2014 **Third Annual Unsung Hero Award**, Blood:Water Mission

<http://www.bloodwater.org/blog/blog-article/1159/a-hero-in-fighting-the-hiv-crisis#.VIX8bT9AI8E>

2014 **International Academic Partnership Merit Award**. “In recognition for outstanding and enduring

collaboration with the Faculty of Medicine,” Universidade Eduardo Mondlane, Maputo, Mozambique

2015 **Martin Luther King, Jr. Award**, Vanderbilt University, “presented to a Vanderbilt faculty or staff member who emulates King’s principles through his or her work.”

2017- The Sten H. Vermund Award in Global Health is now given to the outstanding graduating medical student from Vanderbilt University School of Medicine for achievement in global health scholarship and/or service

2018 Certificate of Appreciation, The Dept. of Infectious Diseases, Peking Union Medical College Hospital.

2018- Elected **member**, The Connecticut Academy of Science and Engineering (Vice-President/President-Elect 2022)

2020 Member, COVID-19 Response Committee of the Connecticut Academy of Science and Engineering

2020 **Technology Innovation Award** to the Yale School of Public Health (S. Vermund, Dean), a 2020 Business Leadership Awards Honoree at the 226th Annual Meeting of the Greater New Haven Chamber of Commerce

2021 New Haven Symphony Orchestra **Quartet Award for Excellence in Innovation** to the Yale School of Public Health (citing Dr. Sten Vermund and team) for “clear leadership and commitment to innovation in core areas of teaching, service, continuous learning, as well as scholarly research…in light of the global health crisis thrust upon the world in early 2020...”

2021 Association of Yale Alumni in Public Health (AYAPH) **Special Recognition Award** to the Yale School of Public Health (S. Vermund, Dean), “to acknowledge the amazing work that faculty, staff and students at YSPH accomplished during COVID-19 pandemic.”

2022-‘24 Elected **Vice-President/President-Elect**, Connecticut Academy of Science and Engineering (anticipated role, President 2024-2026 and Immediate Past-President 2026-2028); Executive Council 2022-2028.

2022 The **John F. Enders Distinguished Lecture** in Medical Virology, Infectious Disease Society of America

**REVIEW ACTIVITIES** (since leaving the NIH in 1994; pre-1994 upon request)

1990-other yrs. Reviewer, International Conferences on AIDS; Conferences on Retroviruses & Opportunistic Infections; IAS Conf’s on Pathogenesis, Treatment & Prevention. In 2013, served as lead rapporteur for track C (Prevention) at the IAS2013 in Kuala Lumpur.

1994-1999 Advisory Board, Center for Urban Epidemiology Study, NY Academy of Med.

1994 Member of Institute of Medicine (IOM) Committee on the “social and behavioral science base for HIV/AIDS prevention and intervention.”

1995-2011 Grant Review Panelist and Scientific Advisor, (Ariel Project, Glaser Awards, Grant awards), Elizabeth Glaser Pediatric AIDS Foundation

1996-2003 Member, Office of AIDS Research (NIH) Prevention Research Task Force

1996-2003 Member, Catalan Gov’t (Spain) AIDS Research Institute Advisory Committee

1997-2003 Advisory Committee for HIV/AIDS VA Vaccine Clinical Trial Consortium.

1997-2002 External Advisory Committee, Research Center for Minority Institutions, Tuskegee University School of Veterinary Medicine.

1997-present Senior Advisor, HIV Center for Clinical and Behavioral Studies, Columbia U./NY State Psychiatric Center, New York, New York

1997 Ad Hoc Study Section, AIDS Psychosocial/Intervention, NIAAA, NIH.

1997 Chair of Study Section, Primary HIV Infection, University-wide AIDS Research Program, U. of California Office of the President.

1. Organizing Committee, UCSF/CAPS 1998 AIDS Prevention Conference.

1997-1999 Member Study Section, Centers and Programs, NIDA, NIH.

1997 Member of Study Review Panel, HIVNET (HIV Network for Prevention Trials) - Post Exposure Prophylaxis Studies*,* UCSF

1998 IOM Committee on Prevention of Perinatal Transmission of HIV

1998-present External Advisory Committee, HIV/AIDS Center, National Drug Research Institute/New York University; Visiting Theoretical Scientist at NDRI in 2007; now the Center for Drug Use and HIV/HCV Research (CDUHR), New York University

1998-present Advisory Board, U. of California, San Francisco (UCSF) AIDS Research Ctr. (CFAR)

1999 National Board for the 1999 National Conference on Women & HIV

1999-2005 Advisory Committee, UAB Women’s Reproductive Health Research Career Development Center Scholar

1999 External Reviewer, Joint Ph.D. program in Epidemiology, San Diego State U. and the U. of California, San Diego

2000 IOM Committee on HIV Prevention Strategies

2000-present HIV Preventive Trial Network: Executive Committee (2000-present, Chair from 2006-12), Prevention Management Group (2000-present, Chair from 2006-12), Site PI Committee (2000-06), Chair of Protocol Review Committee(2000-06), Chair of Scientific Review Committee (2012-present), HPTN Representative to Strategic Working Group for HIV-AIDS Networks of the AIDS Research Advisory Committee (ARAC) of DAIDS/NIAID (2006-2012)

2000-2005 Member of Director’s Advisory Council, AIDS Alabama

2000-2004 Member of Advisory Council, Office of AIDS Research, NIH

2000 External Reviewer, Dept. of Epidemiology, Harvard University SOPH

2001 External Reviewer, Dept. of Tropical Medicine, Tulane U. School of Public Health & Tropical Med.

2001-2003 Member and Chair, Infectious Diseases Society of America (IDSA), International Affairs Committee.

2001-2004 Member (x4) and Chair (x2), Ad Hoc Special Emphasis Panels, “Comprehensive International Program of Research on AIDS” (CIPRA), NIAID.

2002 External Reviewer, Department of Epidemiology, Rollins School of Public Health, Emory University.

2002 Consultant, CDC HIV Vaccine Section, Atlanta Georgia.

2002 External Reviewer, AIDS Center, Public Health Program, Brown University.

2002-2005 Scientific Advisory Board, University of Colorado Center for AIDS Research

2002-2006 External Advisory Committee, IMPACTA, the Peruvian Comprehensive International Program for Research on AIDS (CIPRA)

2002-2004 Microbicide Scientific Advisory Board, Southern Institute Project

2002-2005 Scientific Advisory Board, STD/AIDS Research Group (SARG), Bangladesh.

2003 Chair, Special Emphasis Panel, NIAID, AIDS Preclinical Research Review Branch, Bethesda, MD

2003-present Scientific Advisory Board, Institute of Human Virology, U. of Maryland

2003-2005 Expert Panel to the Governor’s HIV Commission, Montgomery, AL.

2004-2005 IDSA National and Global Public Health Committee

2004-present Scientific Advisory Committee, AIDS Research Institute (CFAR), UCSF.

2005-2006 IOM Committee, Gulf War and Health: Infectious Disease Committee.

2005 External Advisory Panel “to define the role of epidemiology” at NIAID.

2006 Consultant for development of Joint Ph.D. in Global Health, SDSU and UCSD

2007-present External Advisory Committee (chair), Duke U. Center for AIDS Research

2007-present External Advisory Board, Center for AIDS Prevention Studies (CAPS), UCSF

2007 External reviewer, Division of Epidemiology and Microbiology, Yale U. School of Public Health

2007 and 2012 External reviewer, Dept of International Health, Bloomberg Sch. of Public Health, Johns Hopkins U.

2007 – 2014 Member of Advisory Board, Fogarty International Center, NIH

2008 – present External Advisory Board, Institute of Tropical Medicine ‘Alexander von Humboldt’, U. Peruana Cayetano Heredia, Int’l Clinical, Operational & Health Services Research Training for AIDS/TB

2008 External reviewer, MPH Program in Global Health, UCSF

2008 -2013 External Advisory Committee, Albert Einstein College of Medicine AIDS International Training and Research Program

2008 -2013 External Advisory Committee, U. of South Florida AIDS International Training and Research Program

2009 -2014 External Advisory Committee, Chicago Consortium Center for AIDS Research

2010-2017 Member, Scientific Technical Advisory Group, Reproductive Health and Research Division, World Health Organization

2011 –2012 IOM Committee on Data Systems for Monitoring HIV Care

2011 Co-Chair, Prevention Track, CFAR International Conference, Kampala, Uganda

2011-2018 Committee Member, PEPFAR Scientific Advisory Board

2011 Peer Reviewer, Centers of Excellence in 7th application round, Danish National Research Foundation

2013 Chair, NIH workshop on chronic disease complications of HIV and HIV therapy in developoing countries, Office of AIDS Research and Fogarty International Center, anticipated May 2013.

2013 Peer Reviewer, German-African Cooperation Projects in Infectology, German Research Foundation

2013-2015 Committee Member, Science and Technology Capabilities at the Department of State, convened by Development, Security, and Cooperation, Division of Policy and Global Affairs, National Academy of Sciences (chaired subcommittee on partnerships for the DOS)

2013-2018 Planning Committee Member, IOM Interest Group on Maternal & Child Health & Human Development

2013-2019 Committee Member, UNAIDS Scientific Expert Panel

2012-2016 Reviewer, Aims Studios/Grant Studios/Mock Study Sections; Vanderbilt Insitute for Clinical and Translational Research

2012-2015 Velji Education Awards Committee Member, Consortium of Universities in Global Health

2013-2018 Richardson Prize Committee Member, Society for Pediatric Research

2014-present Member of Advisory Board, Annals of Jinnah Sindh Medical University Journal, (AJSMU)

2015 Member, NICHD Adolescent Medicine Trials Network for HIV/AIDS Interventions Expert Panel

2015 and 2016 Reviewer and Chair, NCI ad hoc review committees for RFA CA-15-001: Cancer Detection,

Diagnosis, and Treatment Technologies for Global Health (UH2/UH3)

2015, 2020 Reviewer, South African Medical Research Council

2015-2017 Chair, Data Safety and Monitoring Board, MaxART Study, Clinton Health Access Intitiative and

 Government of Swaziland, Ministry of Health

2016 Reviewer and Chair, AIDS and Related Research Integrated Review Group, NIH

2017 Reviewer, PEPFAR; Three ad hoc NIH reviews; Wellcome Trust Review

2018 Reviewer, K43 awards (career development), Fogarty International Center, NIH

2019-2024 External Advisory Board, Sparkman Center for Global Health, UAB

2019-2021 Committee Chair, Prevention and Control of STDs in the United Stated, Health and Medicine Division of the National Academies of Sciences, Engineering, and Medicine (the National Academies)

2020 Member, Connecticut Academy of Science and Engineering ad hoc committee, *A Sustainable Decision-*

 *Making Framework for the COVID-19 Pandemic*

2020-2024 Member, Fogarty International Center Advisory Board

2022 Technical Advisory Group for the Development of the WHO Self-care Competency Framework and Curricula Guidance for Health Workers; Department of Sexual and Reproductive Health and Research, Human Reproduction Programme; World Health Organization

Journal Editorial Boards

1992-present Editorial Board, *Journal of Acquired Immune Deficiency Syndromes (JAIDS)*

1997-present Editorial Board, *Journal of Human Virology*

2003-inactive Editorial Board, *Revista Chilena de Infectología*. Chile

2007-2016 Editorial Board, *Retrovirology: Research and Treatment*

2009-2015 Editorial Board, *Global Santé Journal Board*

2009-present Editorial Board, *Journal of Global Infectious Diseases*

2010-2019 Editorial Board, *AIDS*

2011-present Academic Editor (2011-2022) and Section Editor (2013-2022), Guest Editor (2022-) *PLOS ONE*

2012-present Editorial Board, *Current HIV Research*

2013-present Editorial Board, *Transactions of the Royal Society of Tropical Medicine and Hygiene*

2015-present Section Editor for The Global Epidemic, *Current HIV/AIDS Reports*: 2016 issue on Sustainability of PEPFAR in Africa; 2017 issue on HIV in Southern Africa; 2018 issue on Treatment as Prevention; 2019 issue on HIV/AIDS in China; 2022 issue on HIV and COVID-19

2016-present Editorial Board, *Journal of the International AIDS Society (JIAS)*

2018-present Editorial Board, *International Journal of Environmental Research and Public Health*

1997-2006 Editorial Board, *Online* *Journal of the* *Center for AIDS Prevention,* UCSF, later, the *HIV InSite*, UCSF Center for HIV Information

2002-inactive Scientific Committee, *Revista de Salud Pública* (Journal of Public Health). Colombia

2003 Guest Editor, *Clinical Infectious Diseases* 2003 Supplement, “HIV/AIDS Therapeutic Research Agenda for Resource-Limited Countries” (Vol. 37. Supplement 1, pages S1-S35)

2006 Guest co-Editor, *Journal of the Pakistan Medical Association* 2006 Supplement “Special Issue of JPMA on HIV/AIDS Research Publications in Pakistan” (Vol. 56. No. 1, Supple 1, pages S-1 to S77)

2007 Guest co-Editor, *AIDS* 2007 Supplement, “AIDS in China” (Vol 21, Supplement 8, pages S1 to S161)

2008 Guest co-Editor, *West Indian Medical Journal* 2008 Issue; “Pediatric HIV/AIDS in Jamaica” *(*Vol. 57, No. 3, pages 188-260)

2009 Guest co-Editor, *Journal of the Pakistan Medical Association* 2009 Supplement “Tuberculosis in Pakistan” (Vol. 59, Supplement 1, pages S1-122)

2011 Guest co-Editor, *Medical Journal of Zambia* 2010; Vol.37, No.2, a special issue on UNZA trainee Research publications

2012 Guest co-Editor, *Journal of the Pakistan Medical Association* 2013 supplement on “HIV/AIDS and Tuberculosis in Pakistan.” (Vol. 63, No.1 [Suppl. 1], January 2013, pp.S-1 to S-113)

2014-2022 Section Editor, *Current HIV/AIDS Reports*, Develop and manage annual The Global Epidemic issue

 2014: Global HIV epidemiology (Volume 11)

 2015: Combination HIV prevention strategies in Southern Africa (Volume 12)

 2016: Integrating HIV services within primary care (Volume 13)

 2018: HIV/HCV and the opioid epidemic (Volume 15)

 2019-2020: HIV in China (Volumes 16-17)

 2020-2021: Treatment as Prevention for HIV (Volumes 17-18)

 2022: COVID-19 and HIV, forthcoming

2014 Guest co-Editor, *J Acquir Immune Defic Syndr* 2014; 66 Suppl 3: S237-S340. Supplement on health communications and HIV

2014 Guest co-Editor, *J Acquir Immune Defic Syndr* 2014;67 Suppl 1:S1-S103. Supplement on non-communicable diseases and HIV

2013, 2015, 2016 Guest Editor for epidemiology/modeling, *Proceedings of the National Academy of Sciences USA*

2016 Guest co-Editor, *J Acquir Immune Defic Syndr* 2016. Supplement on HIV prevention and health communications

2016 Chief Guest Editor, *Biomedical Research International* 2016. Special issue on Maternal, neonatal, and child health in Africa and Asia

2017 Guest co-Editor, *J Acquir Immune Defic Syndr* 2017. Supplement on health communications and the HIV Continuum of Care

2018 Section Editor for Epidemiology: Global Epidemiology (20 chapters): in Hope TJ, Richman D, Stevenson M (eds.). *Encyclopedia of AIDS*. New York: Springer-Verlag, 2018. DOI 10.1007/978-1-4614-9610-6\_250-1; eReference ISBN 978-1-4939-7101-5, Print ISBN 978-1-4939-7100-8, Print+eBook ISBN 978-1-4939-7102-2.

2019 Guest co-editor, *AIDS*, “Big Data” in HIV Research, June 1 issue, Vol. 33 Suppl 1

2022 Guest editor, *Int J Environ Res Public Health*, Prevention, Care and Treatment of HIV, Substance Use and Addiction, forthcoming

**Journal Reviewer** (partial list):

*AIDS*

*AIDS and Behavior*

*AIDS Research and Human Retroviruses*

*American Journal of Epidemiology*

*American Journal of Medicine*

*American Journal of Obstetrics and Gynecology*

*American Journal of Preventive Medicine*

*American Journal of Public Health*

*American Journal of Tropical Medicine and Hygiene*

*Annals of Epidemiology*

*Annals of Internal Medicine*

*Antiviral Research*

*Archives of Internal Medicine*

*Archives of Pediatrics and Adolescent Medicine*

*Biomed International*

*BMC Infectious Diseases*

*BMC Pediatrics*

*BMC Public Health*

*BMC International Health and Human Rights*

*BMJ Open*

*Clinical Immunology and Immunopathology*

*Clinical Infectious Diseases*

*Current Topics in HIV/AIDS*

*Global Public Health*

*Health Psychology*

*HIV Therapy*

*International Health*

*Int. J. of Environmental Research and Public Health*

*International Journal of Epidemiology*

*International Journal of Infectious Diseases*

*Journal of Acquired Immune Deficiency Syndromes*

*Journal of Adolescent Health*

*Journal of the American Medical Association*

*JAMA Pediatrics*

*JAMA Network Open*

*Journal of Clinical Investigation*

*Journal of Clinical Virology*

*Journal of College of Physicians and Surgery of Pakistan*

*Journal of Global Infectious Diseases*

*Journal of Harm Reduction*

*JIAS: Journal of the International AIDS Society*

*JIAPAC: Journal of Int’l Assn. of Physic.in AIDS Care*

*Journal of the Pakistan Medical Association*

*Journal of Infectious Diseases*

*Journal of Occupational Medicine*

*Journal of Paediatric and Perinatal Epidemiology*

*Journal of Pediatrics*

*Lancet*

*Lancet Infectious Diseases*

*Lancet Global Health*

*Lancet HIV*

*Medical Journal of Zambia*

*New England Journal of Medicine*

*Obstetrics and Gynecology*

*Pediatrics*

*Pediatric Infectious Disease Journal*

*Revista Chilena de Infectología (Chile)*

*Revista de Salud Publica (Colombia)*

*PLoS Medicine*

*PLoS Neglected Tropical Diseases*

*PLOS ONE*

*Proceedings of the National Academy of Sciences USA*

*Public Health Reports*

*Sexually Transmitted Diseases*

*Southern Medical Journal*

*Transactions of the Royal Soc. of Hygiene & Tropical Med. West Indian Medical Journal*

**OTHER PROFESSIONAL ACTIVITIES**

**SELECTED PRESENTATIONS since 2018** (excluding home institution teaching)

03/18 Yale Cancer Center Grand Rounds; *Cervical Cancer Screening: Implementation Science in Africa*

04/18 2018 Global Health & Innovation Conference, Yale U., *Mitigating Health Consequences of Climate Change*

05/18 Annual meeting of the West Virginia Clinical and Translational Science Institute, West Virginia University, *Mitigating the Opioid Epidemic: Research in Addiction, Hepatitis, and Emergent HIV*

08/18 Centers for AIDS Research (CFAR) Social and Behavioral Sciences Research Network (SBSRN) 12th National Scientific Meeting, National Institute of Health, Maryland; *Treatment as Prevention: Concepts and challenges for HIV prevention*

11/18 Center for AIDS Intervention Research (CAIR), Medical College of Wisconsin; *Treatment as Prevention: getting to 95-95-95*

12/18 Virus and Other Infection-associated Cancers (VOIC) Research Conferences, Yale School of Medicine;

*SPH Epidemiology Update: Current work of VOIC interest*

01/19Beijing Capital Medical University Presentation*: Improving HIV therapy access for men who have sex with men in Beijing*

01/19 HIV Club, Yale School of Medicine; *Treatment as Prevention: Results of recent trials*

01/19 Annual Global Health Day, Yale School of Medicine; *Strategies for Academic Global Engagement: Lessons from the Field*

04/19 Global Health & Innovation Conference, New Haven; *HIV Treatment as Prevention: How clinical and public health priorities are in sync*

04/19 Yale Cancer Center Retreat; *International, DCFAR, and Public Health Collaborations*

05/19 The American Continental Group; *Climate Change, Health, and Security*

05/19 NIH CFAR Coordinating Committee; *Yale-UPR D CFAR, our new paradigm*

05/19 China Health Industry Summit, Reed Sinopharm Conference; *A Century of Commitment in China, where are we going next?*

05/19 Executive Leadership Workshop, Pediatric Hospital Consortium; *The Introduction of Yale and YSPH.*

05/19Yale College Reunions; *Lux et Veritas: Yale and the Climate Change Crisis*

06/19 Yale Sustainable Health Initiative, Bangalore, India, *Global Health Trends: Identifying Challenges for* responsible innovation

06/19 Yale Sustainable Health Initiative, Bangalore, India*, The North Star: The Role of Social Entrepreneurship for World Today*

6/19 AIDS Grand Rounds Speaker, Columbia University, *Does Treatment as Prevention really work? An interpretation of HPTN 071 (PopART), BCPP/Ya Tsie, SEARCH, and TasP/ANRS*

7/19 University of California San Diego, *Does Treatment as Prevention really work? An Interpretation of HPTN 071 (PopART), BCPP/Ya Tsie, SEARCH, and TasP/ANRS*

11/19 Scientific Session Moderator, APHA HIV/AIDS Section, Philadelphia, PA, *Community Based Participation Research in HIV Prevention and Care*

11/19 Panelist, Yale School of Public Health, *Cancer Control in the 21st Century*

11/19 Guest Lecturer, Big Three Course on HIV Prevention, *Does Treatment as Prevention really work?* An *Interpretation of HPTN 071 (PopART), BCPP/Ya Tsie, SEARCH, and TasP/ANRS*

11/19 Guest Lecturer, HIV/AIDS Freshman Seminar, *Does Treatment as Prevention really work?* An *Interpretation of HPTN 071 (PopART), BCPP/Ya Tsie, SEARCH, and TasP/ANRS*

11/19 Yale Center Healthcare Club of Beijing, Yale Healthcare Club of China, *What Lessons Can China Draw from the U.S. Health System*

11/19 Seminar on Development of Child Health and Maternal Care at BCBH, Beijing, China, *Global Health Challenges in 2020*

01/20 Global Health Seminar, *Reaching 90-90-90 in Botswana*

02/20 Panelist, Public Forum, Yale School of Music, *The Role of the Arts in Health Crisis*

02/20 Keynote Speaker, Sustainable Health Summit, Bangalore, India, *Research Driven Innovation to Address Emerging Global Health Challenges*

03/20 Guest Speaker, World Affairs Forun, Stamford, CT*, Emerging global Health Threats: examples of COVID 19 and*

 *Global Warming*

04/20 Speaker, Unite for Sight, Global Health and Innovation Conference, .*Nurses and Doctors for Rural Regions: What Educational and Retention Strategies are Needed?*

04/20 Webinar Speaker, *COVID -19* *Lessons Learned from China: Disease Management, Clinical Research and Health Policy*

04/20Guest Lecturer*,* 2020 Yale Healthcare Conference*, Responding to a Public Health Crisis*

04/20 Guest Lecturer, Pediatric Global Health Conference, *Global COVID-19*

04/20 Guest Lecturer, Pediatric Global Health Conference, *Parasitology*

05/20 Guest Lecturer, Albert Einstein College of Medicine, *Pandemics in our time: COVID-19, influenza, & HIV/AIDS*

05/20 Panelist, Webinar: Bilateral Forum on Global Public Health Policy Research Directions between Yale and Shanghai Jiaotong University, *World Public Health System in the future*

05/20 Panelist, Science Snapshot Workshop Webinar , *Yale's COVID-19 Research Response*

05/20-presentSpeaker*,* Shoreline Arts Alliance Webinar*, Reopening Arts Venues: Science-Based Safety-* 12 webinars through Sept. 2021 (see <https://www.shorelinearts.org/reopening-ct-arts-venues-science-ba>), over 15,000 viewers

06/20 Speaker, *COVID-19 Right Now: "What is the future of education in public health?"*

06/20Webinar Speaker*,* Zhejiang and Rice University, *Overcoming Challenges of COVID 19 and Evolving Opportunities in the Post Pandemic Era*

06/20Speaker,Coronavirus Preparedness & Management Summit Webinar, *Healthcare Delivery Models and Impact Measurement*

07/20 Interviewee, State of Rhode Island, *Back to School* Facebook Live with Governor Gina Raimondo

05/20-present Over 70 webinars, seminars, consultations, site visits (all *pro bono*) for student safety (K-12) in the COVID-19 pandemic: The Chapin School (including 5 webinars) in NY, NY; Bridgeport Public Schools in CT; New Haven Public Schools in CT; KIPP NYC Public Schools in NY, NY (including 3 webinars); Sacred Heart Schools in SW CT; The Stevenson School in Pebble Beach, CA.

08/20 AmCham China Healthcare Program Series Webinar, *US's Battle against COVID-19 & Roles of Healthcare System and Businesses in Policy Outcomes*

09/20 Speaker, Access Health International Webinar-*Digital Solution Impact on Global Health Thinking in Times of a Global Pandemic*

09/20 Speaker, Bhutan Foundation, *Managing a Pandemic: Bhutan's Experience on the Frontlines of COVID-19*

09/20 Speaker, Yale School of Public Health, Epidemiology and Microbial Diseases Department Series, *Yale's response to COVID-19*

09/20 Guest Lecturer, Yale Primary Care Program*, Communicable Diseases and Health Inequities*

09/20 Speaker, Connecticut Association of Independent Schools, *COVID-19 response* (6 webinars, >800 participants)

10/20 Guest Lecturer, The Institute for Learning in Retirement, Albertus Magnus College, *History of Global Pandemics*

10/20 Speaker, Hartford Arts Council, *Reopen CT Arts Venues: Science Based Safety Goals*

07/20-present Member, Governor’s Task Force on COVID-19 School Safety (with the CT Department of Public Health and the CT Department of Education)

2020-21 Dozens of lectures on COVID-19 preventon and control for global, national, and local audiences. 15 webinars for *Reopen CT Arts Venues: Science Based Safety* coordinated by the Shoreline Arts Alliance: <https://www.shorelinearts.org/reopening-ct-arts-venues-science-ba>. Over 20 webinars for school groups. Over 10 webinars with global partners. Two Munk Debates: <https://munkdebates.com/search?searchtext=vermund>

08/21 Lectures in French for the Chad Ministry of Health and University of N’Djamena: COVID-19 pandemic; Surveillance and Contact Tracing

09/21 Pediatric Grand Rounds, The Silverman Lectureship. *Mitigating COVID-19 Risks for Schoolchildren*. SUNY Upstate Medical University

09/21 Department of Public Health & Preventive Medicine Grand Rounds, *Climate Change and Health.* SUNY Upstate Medical University

10/21 Woodson Keynote Speaker. *COVID-19: Public health action in a partisan environment.* U. of Louisville School of Public Health and Information Sciences

11/21 “Great Public Health-Great Health” Academic Conference. *Models of public health education: YSPH example.* Zhejiang University, Hongzhou, China

11/21 Global Health Equity course. *HIV/AIDS and Global Health Equity*, Stanford University

12/21 Plenary Speaker, CT Non-Profit Alliance. *COVID-19 and non-profits in Connecticut: What to expect, What to do.*

01/22 CGTV (China) The Point newsprogram. Speaker with Dr. Yiming Shao on the novel coronavirus control, comparing US with China responses.

02/22 Plenary Speaker and Visiting Professor, 13th annual Focused Inquiry & Research Experience (FIRE) conference at the University of Central Florida College of Medicine, *A Research Journey in Pediatrics & Public Health:
From A (Alabama) to Z (Zambia)*

03/22 Speaker, St. Jude-Pediatric Infectious Disease Society Conference, Global Health Symposium: Luminaries in

Global Health, *Pediatric Pandemics: Case Study of Global HIV from 1981-2022*

**HOME INSTITUTION COMMITTEES AND ADVISORY BOARDS**

*(Current Committees only: 1982-2005 committees for Columbia U., Albert Einstein, Cornell U., NIAID, NIH, U.S. Public Health Service, UAB, Vanderbilt U. upon request)*

***Yale University*** (2017-present)

2019- Yale Commonwealth Fellowship Advisory Committee

2017- Standing Advisory & Appointments Committee for the School of Public Health, Office of the Provost (*ex officio*)

2017- Appointments and Promotions Committee (chair), Yale School of Public Health

2017- Leadership Team (chair), Yale School of Public Health

2017-‘21 Yale Cancer Center Internal Advisory Committee (chair)

2017- Multiple Yale T32, D43, and K award internal advisory committees

2017- University Cabinet, Office of the President

2017- Deans Committee, Office of the Provost

2017- Executive Committee, Yale School of Medicine

2017- Yale Institute for Global Health Executive Committee

2017- Yale Sustainability Advisory Committee

2020- Yale Public Health Committee for COVID-19 response

**DSMB/INDUSTRY/PUBLIC SECTOR CONSULTANTSHIPS**

2003-present Immunogen, Inc. Scientific **Advisory Board** (unpaid)

2003-2006 Indent, Inc. **Consultant** for development of web-based teaching for global health (unpaid)

2006-2016 Mead-Johnson Nutrition. Pediatric Residents Annual Research Retreat Mentor (paid)

2007-2009 Pfizer Expanded Access Program for Maraviroc, **Data Monitoring Board** (paid)

2012-2014 Study methods and data interpretation, South Africa. **Futures Group, Inc.** (unpaid)

2012-2016 Technical Assistance, **The World Bank** (paid)

2011-2012 **Data Safety and Monitoring Board**, U. of Washington, Judd Walson, PI (unpaid)

2012-2013 **Data Safety and Monitoring Board**, U. of Washington, Christina S. Polyak, PI (unpaid)

2015-2018 **Data Safety and Monitoring Board**, Clinton Health Access Initiative (CHAI) | Swaziland (unpaid)

2022- Tevogen Bio. Scientific **Advisory Board** (paid)

2022- DataHaven **Board of Directors** (unpaid)

2022- Viron, Inc. **Scientific Advisory Board** (paid)

**TEACHING ACTIVITIES** (since 2003 only, pre-2003 upon request)

Yale School of Public Health:

 Fall, 2019; Fall 2020; Fall 2021; Fall 2022: EPH 608 Frontiers in Public Health (required course for

M.S. and Ph.D. students without a prior M.P.H. degree (or equivalent core courses), ≈90 students

 Spring 2022; Fall 2022 (online Executive MPH program for advanced students): EPH 537E Frontiers in Public Health (required course), ≈48 students

Yale School of Medicine:

 2018-present: Public Health module for Physician Associate Program (online)

 Guest Lecturer: About 18 guest lectures/year in a wide variety of courses, list upon request

VU School of Medicine:

2005-2011: Director, Emphasis Research Program, Global Health area, medical students

2005-2017: Faculty Advisor, Medical Scholars Program research year, medical students

2005-2017: Faculty Advisor, Pediatrics and Medicine overseas electives, 3rd year residents

2005-2017: Faculty Advisor, MPH Student Thesis Projects

2009-2017: Faculty Advisor, PhD Students in Epidemiology

UAB School of Public Health:

EPI601 Vaccinology (coursemaster 1995-2004)

IH609 Infectious Disease Control and Surveillance (coursemaster, 1999-2005)

IH615 International health seminar (coursemaster in 2003)

IH710 Doctoral seminar in HIV prevention (coursemaster, 1998-2005)

IH650/651 Sparkman Institute for Infectious Disease Control (coursemaster 2001-2005)

IH680 Gorgas Course in Clinical Tropical Medicine (guest lecturer, 1995-current)

U. of Alabama School of Medicine (1994-2005): Guest Lectures in Medical Microbiology, Clinical Research Course, and Tropical and Travel Medicine 4th yr. elective and Clinical Supervision in Travelers Clinic.

Degree-Candidate Trainees (excluding medical students; *UAB and Vanderbilt; Columbia/Einstein upon request*), Pre-1994 upon request, incl. Thomas Friedan (director of CDC 2009-2017), Wafaa El-Sadr (MacArthur Foundation Fellow and Director, Columbia ICAP and Global Health Center), Katherine Davenny (Associate Director, AIDS Program, NIDA), Salim Abdool Karim (Director, South African MRC and Director, CAPRISA)

*Name (institution post-graduation). If committee chair\**

Nancy Maher, **MSPH, PhD** (Johns Hopkins University post-doc)

Mohammed Rahman, MBBS, **DrPH** (Stanford University)

Ricardo Izurieta, MD, **DrPH** (Emory University)\*

Eknath Naik, MD, **MPH, PhD** (University of South Florida)

Aminul Islam, MBBS, **DrPH** (UAB School of Public Health)\*

Howard Wiener, PhD, **MPH** (UAB School of Public Health)\*

Munir M. Islam, MBBS, **MSPH, MPH** (ICDDRB)\*

Amna Siddiqui, MBBS, **MPH** (Aga Khan University)

Anne Penman, **MPH, PhD** (CDC)

Scott Chavers, **MPH, PhD** (Glaxo SmithKine)

Miriam Kempf, PhD, **MPH** (UAB School of Public Health)\*

Disha Ali, MBBS, **MPH** (ICDDRB)\*

Sharaf Ali Shah, MBBS, MSPH (Sindh AIDS Control Program, as Director)\*

Dara Potter, MBA, **DrPH** (Centre for Infectious Disease Research in Zambia)\*

Laila Yasmin, MBBS, **MPH** (New York Hospital)

Anwarul Hug Mian, MBBS, **MPH** (UAB School of Health Related Professions)

Nazmus Saquib, MBBS, **MPH** (BRAC, Dhaka Bangladesh)\*

Eviesgsuren Ser-Od, MD, **MPH** (Public Health Institute, Mongolia MOH)

Kasonde Mwinga, MBChB, **MPH** (University Teaching Hospital, Lusaka Zambia)\*

Prisca Kasonde, MBChB, **MPH** (University Teaching Hospital, Lusaka Zambia)

Moses Sinkala, MBChB, **MPH** (Urban District Health Mgmt. Board, Lusaka, Zambia, as Director)\*

Nazmul Alam, **MPH, DrPH** (Research Investigator at the ICDDRB)\*

Richard Banda, MBChB, **MPH** (Chililabombwe Health Board, Zambia, as Director)

Shinetugs Bayanbileg, MD, **Post-Doc** (National Medical University of Mongolia, Ulaanbaatar)

Maureen Muchimba, **MPH** (ZAMBART, Lusaka, Zambia)

Altankhuu Murdorj, MD, **Post-Doc** (Public Health Institute, Ulaanbaatar, Mongolia)\*

Amarjargal Yadam, MD, **MPH** (National Medical University, Ulaanbaatar, Mongolia)\*

Flint Zulu, **MPH** (UNICEF, Luzaka, Zambia)

Amyn Lakhani, MBBS, **DrPH** (Aga Khan University, Karachi, Pakistan)\*

Kayvon Modjarrad, MD, **PhD** (Yale University School of Medicine)\*

Bonnie Agee, **MPH, PhD** (UAB School of Public Health)

Han-Zhu Qian, MD, MPH, **PhD** (UAB School of Medicine)\*

Xiao Yan, MD, **DrPH** (Global Fund, China CDC)\*

Vikrant Sahasrabuddhe, MBBS, **DrPH** (Vanderbilt U.)\*

Yujiang Jia, MD, **DrPH** (Vanderbilt U.)\*

Hong Cheng, MD, **PhD** (UAB)

Aminul Islam, MD, **DrPH** (UAB)\*

Jacqueline Lyman, MPH, **PhD** (NYC Dept of Health epidemiologist)

Mujibur Rahman, MD, **DrPH** (Santa Clara County [CA] Dept. of Health)\*

Sushena Reza-Paul, MD, **DrPH** (U. of Toronto, based in Banglalore)\*

Gelen Del Rosario, MD, **DrPH** (resident in Obstetrics/Gynecology, Jersey Shore Medical Center)

Karen Megazzini, PA, MPH, **DrPH** \*(Friends in Global Health, LLC, based in Nigeria)\*

Takeda Freeman, **PhD** (UAB faculty).

Ron Cantrell, MPH, **PhD** (Eli Lilly, Indianapolis)

Irene Tami, DDS, MPH, **DrPH** (MD Anderson, Houston)

Shamima Ahktar, **DrPH student** (active, doing thesis work in Dhaka)

Cynthia S. Tsai, **MPH** research project, Yale University (Nova Southwestern School of Osteopathic Medicine)\*

Henroy Scarlett, **DrPH** (U. of West Indies-Mona Campus)

Hussain R.Usman, MBBS, **DrPH** (CDC)

Helen Ding, MD, **MPH** (CDC)\*

Muzala Kapina, MBChB, **MPH** (University Teaching Hospital, Lusaka, Zambia)

Christopher S. Krawczyk, MPH, DrPH (California Dept of Health)\*

Jenny L. Martino, **MD,** **MSPH** (U. of Washington, Medicine Residency)\*

Stacy A. Nichols, MD, **MPH** (pediatric practice)\*

Omrana Pasha, MBBS, MSPH (Aga Khan University)\*

Ülgen S. Fideli, MPH, PA (Duke U.)

S. Asad Ali, MBBS, **MPH** (Aga Khan University, Karachi, Pakistan)\*

Momen Kazi, MBBS, **MPH** (Aga Khan University, Karachi, Pakistan)\*

Madhav Bhatta, **MPH, PhD** (faculty, Kent State University)\*

Anees Siddiqui, MBBS, **MPH** (BRIDGE Consultants Foundation, Karachi, Pakistan)\*

Albert Mwango, MBChB, **MPH** (Zambian Ministry of Health)\*

Leigh Howard, MD, **MPH** (Vanderbilt Pediatric Infectious Diseases)

Jeremy Slone MD, **post-doc** in Pedatric Hematology/Oncology (Baylor Internationals AIDS Initiative, Botswana)

Lori Weil, undergraduate research project, University of Pennsylvania\*

Tsogzolmaa Dorjgochoo, MD, PhD, **MPH** (faculty, University of Florida)\*

Shaodong Ye, BMD, MPHM, **MPH** (NCAIDS, China CDC)\*

José Tique, MD, **MPH** (Friends in Global Health, LLC, Maputo, Mozambique)

Webster Kasongo, **MPH, PhD** (Tropical Disease Research Centre, Ndola, Zambia)\*

Yu Liu, MPH, **PhD** (Assistant Professor, U. of Rochester School of Medicine)\*

Crispin Moyo, MD, **MPH** (Zambian Ministry of Health)\*

Chris Nyirenda, MD, **MPH** (University Teaching Hospital, Lusaka, Zambia)

Lan Zhang, MD, MPH, **PhD** (Post-doc Fellow, Shenzhen Medical University)\*

Cunge Zheng, DDS, PhD, **MPH** (U.S. CDC)\*

Akhenaten Benjamin Siankam Tankwanchi, **PhD** (Post-doctoral fellow, U. of Witswatersrand, South Africa)

Derek Johnson, MPH, **DrPH** (UAB faculty)

Jun Tao, MPH, **PhD** (Assistant Professor, Brown U. School of Public Health)\*

Chen Zhang, MPH, **PhD** (Assistant Professor, U. of Rochester School of Nursing)\*

Cynthia Shi, **PhD candidate**, Yale School of Public Health, Dept of Epidemiology of Microbial Diseases

Claire Young, **MPH** (epidemiologist, Pharos Global Health Advisors)\*

Dan Li, MD/**PhD candidate**, Yale School of Public Health, Dept of Epidemiology of Microbial Diseases

FELLOWS:

Management of Fogarty Global Scholars Program (VECDor=Vanderbilt, Emory, Cornell, Duke), 2012-2017

Managed the overseas mentored research experience of 401 International Clinical Research Scholars and Fellows in 2007-2012 under the FICRS-F Support Center at Vanderbilt (S. Vermund, PI)

PHYSICIAN-SCIENTIST AWARDS: Co-mentor (with Robert Goldenberg) of four “K” awardees: Jeffrey Stringer (R23), Craig Hoesley (R25), Elizabeth Stringer (R01), Dwight Rouse (R24), and Benjamin Chi (R01). PRE-DOCTORAL THESIS AWARD MENTOR: Dara Potter (F31) and Fogarty International Clinical Research Fellows: Rachel Idowu (Kenya), Deidra Parrish (Nigeria).

MENTOR FOR NIH LOAN REPAYMENT PROGRAM: Philip Ciampa; Deidra Parrish, James Carlucci.

THESIS DOCTORAL EXTERNAL READER: University of Bergen, University of KwaZulu-Natal, University of Oslo, Karolinska Institute, University of West Indies-Mona Campus (yearly 2009-2016). From 2010-2016, seven theses for the DrPH degree at the U. of the West Indies (thesis external review)

POST-DOCTORAL FELLOWS: Marie Brault, PhD, T32 award (Trace Kershaw, PI); Shilpa Iyer, PhD, D43 award (L. Riley and A. Ko, PIs)

**RESEARCH GRANT SUPPORT (past 7 years)**

1R01AI094562-04 (Vermund, PI) 3/15/2011-2/28/2015

NIAID/NIMH/NIH $403,961

Multi-component HIV Intervention Packages for Chinese MSM

This “MP-3” project proposes a series of feasibility and preparatory studies to implement “test-link-care” work for expanded antiretroviral therapy among Chinese MSM in four cities in China. OVERLAP NOTE: There is no overlap with the R34 proposal, as this is to do research while the R24 is only to design a future trial.

5D43TW001035-15 (Vermund, PI) 9/30/1998-3/31/2015

FIC/NIDA/NIH $516,523

Vanderbilt University-CIDRZ AIDS International Training Research Program (AITRP)

The Vanderbilt-CIDRZ-AITRP training partnership with international collaborators from 5 countries (Zambia, China, India, Pakistan, Mozambique) is designed to train foreign scientists and key research support staff to conduct independent research and training in their home countries.

3D43TW001035-15S1 (Vermund, PI) 9/30/1998–3/31/2015

CDC/NIH/FIC $113,781 (NCE)

Vanderbilt University-AITRP Capacity Building in Zambia

The purpose of this CDC supported supplement is to build institutional and individual research capacity and sustainability in HIV-related biomedical and behavioral research in Zambia. The activities supported by this supplement aim to develop and train Zambian clinical investigators to be leaders in independent research.

R25TW009337-05 (Vermund, PI) 4/4/2012-6/30/2017

Fogarty International Center $1,169,083

Vanderbilt-Emory-Cornell-Duke Consortium for Global Health Fellows (VECDor)

The Vanderbilt-Emory-Cornell-Duke Consortium (VECDor) trains global health researchers through a collaborative training program with overseas research institutions from low and middle-income countries with which our universities have worked for decades.

UM1AI068619 (El-Sadr, Cohen, PIs) 07/1/2006-11/30/2027 **ACTIVE sub. at YALE**

NIAID//NIH $66,850 (subcontract from FHI)

HIV Prevention Trials Network (HPTN) Leadership Group (Vermund)

This partnership of Family Health International, Vanderbilt University, Johns Hopkins University, and the Fred Hutchinson Cancer Research Center develops and coordinates HIV prevention clinical trials. Dr. Vermund serves as chair of the Scientific Review Committee, a member of the Executive Committee and the Leadership Group, and serves on the HPTN 071/PopART protocol team. He chairs the HPTN Scholars program for mentoring minority scientists within the network.

U01AI069923-08 (McGowan, PI) 6/1/2011-6/30/2016

NIH/NIAID $2,174,339

CCASAnet: Caribbean, Central and South America Network

This initiative establishes an International Epidemiologic Databases to Evaluate AIDS (IEDEA) consortium in Latin America/Caribbean, with Vanderbilt coordination at 7 centers (Haiti, Honduras, Mexico, Brazil, Chile, Argentina, Peru), to compile data and address research questions in HIV/AIDS that are not possible to answer with currently existing individual cohorts. Role: Epidemiologist for the network

1R01AI093234-05A1 (Shepherd, PI) 5/18/2011-4/30/2016

NIAID/NIH (Shepherd, PI) 05/18/2011-04/30/2016 $250,000

Statistical Methods for Ordinal Variables in HIV/AIDS Studies

This project studies new ways of analyzing data when measurements are categories that can be ordered (e.g., stage of disease: asymptomatic, mild, moderate, severe). Role: Co-Investigator

1094227 (Vermund, PI) 9/1/2013-6/30/2016

Bill & Melinda Gates Foundation $272,727

Developing an evidence map of the global impact of family planning

The objective of the Vanderbilt project is to evaluate and summarize data on the impact of family planning on outcomes beyond pregnancy prevention. The goal is not to assess contraceptive efficacy, as the role of contraception in pregnancy prevention is well established. Rather, this project will create a map of the broader impact of family planning on individuals, families and communities, assessing selected high priority outcomes.

U2GGH000812-05 (PI: Wester) 9/30/2012 - 9/29/2017

CDC/GAP (PEPFAR) $300,001

Avante Zambézia: Technical Assistance to the Ministry of Health (MOH) for HIV Services and Program Transition in Zambézia

This large CDC-PEPFAR-funded initiative entitled “Avante Zambézia” (“Go forward” Zambézia province) supports comprehensive HIV services (including the provision of cART including ART for PMTCT) to HIV-infected persons residing in 10 of Zambézia provinces 17 districts. Role: Investigator

R01 AI112339-05 (Spiegelman, Donna L, PI) 4/1/2014-3/31/2019

NIH/NIAID (subcontract from HSPH to Vanderbilt, Vermund PI of sub) $23,205 Subcontract from HSPH

New methods for the design and evaluation of large HIV prevention interventions

The proposal exploits new data from large clinical trials to develop novel methods for the design and evaluation of large HIV prevention interventions. Dr. Vermund served as epidemiologist and co-investigator with investigators from the Harvard School of Public Health and Imperial College London.

R03 DA052179-02 (Vermund, Sten H and Ali, Syed, PIs) 7/15/2020-6/30/2022

NIH/NIDA $80,871/year

Phylodynamic Analysis of HIV Transmission Clusters in Kazakhstan for Targeted Interventions

We are using sequences from well-characterized Kazakhstani HIV samples to construct phylogeny of networks of HIV acquisition and transmission, testing two hypotheses: Communities of persons who inject drugs (PWID) are serving as hubs for bridging HIV infection into other high risk communities; and PWID communities and their associated transmission networks are driving evolution of HIV variants. Role: PI and epidemiologist

Sinovac Biotech Ltd. (Vermund, PI) Yale University Identifier: 21-006080 7/01/2021-6/30/2022

Effectiveness of Inactivated SinoVac SARS-CoV-2 Vaccine for Preventing Symptomatic Covid-19 Cases and Hospitalizations in the Dominican Republic $262,246

Real world effectiveness assessment of Coronovac inactivated SARS-CoV-2 vaccine in the Dominican Republic.

Role: PI and head of Clinical Coordinating Center for the study

Chemonics/HRH2030 (Vermund, PI of USAID subcontract) 3/01/2021-11/30/2021

Techical assistance for capacity building in Chad: L’Institut National de Santé Publique du Tchad $130,000

Laboratory, Surveillance, Community Engagement, Health Communication, Contact Tracing, Vaccine Program Management training and capacity-building in Chad. Partnership between the Ministries of Health and Higher Education and the U. of N’Djamena, with the Yale School of Public Health.

P30MH062294 (PI: Kershaw, T; Vermund, S. as co-I) 2018/05/01-2024/02 Center for Interdisciplinary Research on AIDS (Vermund is a mentor and member of the Executive Committee)

Insurance Institute for Highway Safety award (PI, Vermund, S.) One a no cost extension for 03/20/2020 – 2022/03/19 time period. Impact of opioid use on driving fatalities. (Vermund serves as epidemiologist.)

*Pending grants (funding likely):*

--Grant pending from USAID for capacity building for l'Institut National de Santé Publique du Tchad. USAID, via FHI 360 subcontract (2022/08/01-2023/07/31)

--Subcontract pending from Northwestern University (2022/08/01-2024/07/31) for Implementation Science Coordination, Consultation, and Collaboration Initiative (ISC3I) (co-I) to coordinate multi-site trials.

**Grants either completed from 1994 or transferred in 2005 to UAB investigators:**

1994-01 NICHD/NIH U01 HD/DA32842 (PI from 1995-1996, Co-PI the other years). *Data Center for the Adolescent Medicine HIV/AIDS Networ*k

1994-05 NIAID/NIH P30 AI027767-18 (Co-investigator). *UAB Center for AIDS Research*

1995-01 NIMH/NIH R01 MH5572601 (Co-Investigator). *Using social networks to reduce risky sex among HIV+ women*

1996-01 NICHD/NIH P50 HD33927, (Co-investigator). *UAB Rural Perinatal Center: Infection and prematurity*

1996-01 NIDR/NIH P50 DE11910 (Co-investigator). *Mechanisms of initiation of oral tumors*

1996-01 CDC U64-CCU413433 (PI). *Epidemiological Studies of AIDS and HIV Infection*

1997-00 NIAID/NIH (UNC/UAB/UW) NO1-AI-75329 (Co-Investigator). *STD Clinical Trials Center*

1997-00 NIAID/NIH U01AI41530-04 (Co-Investigator). *HIV Acute Infection and Early Disease Research Unit*

1997-02 USAID/Population Council HRN-5986-A-00-6010 (PI). *Global Leadership, Research and Development in HIV/AIDS (HORIZONS)*

1998-03 R01AI43586 (PI). Environmental and Molecular Epidemiology of *P. carinii.* NIAID/NIH

1999-00 Becton-Dickinson Co NO GRANT NUMBER (PI). *Transmission & Econometric Models for Infectious Disease Prevention Using Non-Reusable Needle Technologies in Developing Countries*

1999-00 NIAID U01 AI47972/Support from HIVNET & HPTN via FHI Sub (PI). *HIVNET 025: Chlorhexidine Phase IIA Clinical Trial*

1999-02 John M. Lloyd Foundation NO GRANT NUMBER (PI*). Impact of School-based Adolescent HIV/AIDS Education in India*

1999-05 NIAID/NIH U19 AI-38514-06 (Co-Investigator). *UAB STD Center (including “B-Well Project” on douching prevention in adolescents)*

2000-02 Elizabeth Glaser Pediatric AIDS Foundation PG 51066 (PI). *Cost Effective Use of Perinatal Nevirapine in Zambia*

2000-06 Two R23, Two R24, and Two R01 Physician-Scientist Career Development Awards (Mentor)

2000-07 NIAID/NIH U01 Al047972 (Principle Investigator till 2007 then Jeffrey Stringer became PI) *UAB-Zambia-Haiti HIV Prevention Trials Unit*

* 1. Elizabeth Glaser Pediatric AIDS Foundation PG51161-26 (Co-Investigator). *Birth Spacing with the IUD among HIV-Infected in Zambia*

2001-03 NIAID/NIH R03 AI051743-01S1 (Co-Investigator). *Comprehensive International Program for Research on AIDS (CIPRA) for planning HAART clinical trials*

2001-04 NICHD/NIH R01HD39455 (Co-Investigator). *Douching and Reproductive Tract Infections*

2001-05 Elizabeth Glaser Pediatric AIDS Foundation/Bill and Melinda Gates Foundation (Co-investigator). *Call to Action Program (CTA) for prevention of mother-to-infant transmission of HIV*

2001-05 Bill and Melinda Gates Foundation (Co-Investigator). *UAB/Zambian Electronic Perinatal Record System*

2001-06 NIAID/NIH R01-AI50529 (Co-Investigator). *Natural SIV Reservoirs and Human Zoonotic Risk*

2001-06 NIAID/NIH R01 AI052054-05 (PI of Sub from UW till 2006 then S. Reid became PI). *Acylovir to Prevent HIV Acquisition in HSV-2+ Persons (multinational clinical trial [HTPN 039] with ours being the Zambia site)*

2001-05 FIC/NIAID D43TW05497-04 (PI till 2006 then S. Kristensen became PI) *International Maternal & Child Health Research & Training Program*

2001-05 FIC/NIH D43 TW05815-04 (PI till 2005 then N. Sathiakumar became PI) *Substance Abuse International clinical, Operational and Health Services Research Training Award program (ICOHRTA)*

2002-03 CDC/ASPH, Inc. S2070-22/2 (Co-Investigator). *NAAT for oral and anal Gonorrhea and Chlyamydial testing*

2002-03 John M. Lloyd Foundation NO GRANT NUMBER (PI). *HIV/STD Prevention in Bangladesh: Improving Clinical Management among Rural Medical Practitioners*

2002-05 FIC/NIH R03 TW005929-02 (PI). *NIH/Fogarty Anthelmintic Therapy to Slow HIV Progression*

2002-05 Columbia U. Mailman School of Public Health Consortium of Foundations (Co-Investigator). *Maternal to Child Transmission-“Plus” (MTCT+) for provision of family-based HIV care including provision of highly active antiretroviral therapies (HAART)*

2003-05 Elizabeth Glaser Pediatric AIDS Foundation (PI). *Anthelmintic Therapy to Slow HIV Progression in children*

2004-05 NIAID/NIH T32AI055438-01 (PI till 2005 then T. Unnasch became PI). *Agents of International Health & Bioterrorism Concern*

2005-05 Glaxo-SmithKline (PI till 2005 then T. Simpson became PI). *Phase 3 HSV-2 Vaccine Clinical Trial in Adolescents*

* 1. NICHD/NIH HD043464-01 (Co-Investigator). *Neonatal Resuscitation in Developing Countries (multi-site clinical trial in Zambia)*
	2. NIAID/NIH R03 AI054155-02 (Co-Investigator). *HIV Vaccine Trial Site Development for Zambia (CIPRA)*
	3. NICHD/NIH F31 HD046415. (Co-PI/Mentor on this Minority Pre-Doctoral Thesis Award). *Syphilis as an operational marker of quality of care in Zambia*

2005-07 World AIDS Foundation/Gorgas Memorial Institute for Tropical and Preventive Medicine (PI). *Risk reduction for adolescent injection drug users*

2005-09 NIH/NCI R21 CA 113465-03/03S (PI). *Cervical Cancer Screening in HIV-Infected Women in India*

2006-2010 FIC/NIH 5R25TW007766-03 (PI). *Vanderbilt-Meharry FRAMEWORK Program for Global Health*

2007-2010 NIAID/NIH R03AI073134-02 (PI). *Measuring Incident Human Immunodeficiency Virus (HIV-1) Infections in China*

2007-2012 U2GPS000631-05 (PI) Vanderbilt Rural Mozambique Project: PEPFAR-Supported Care and Treatment;

 Continues under Wester C.Wm., PI); 6/15/2012-10/14/2017; CDC-GAP PEPFAR

2008-2013 U2GPS001063-05 (PI) Vanderbilt Institute for Global Health Team Program for HIV Prevention & Care in Nigeria; CDC-GAP PEPFAR. Continues under grant to Nigerian colleagues from this award.

2003-2013 P30AI054999-08S1 (Assoc Director)Vanderbilt-Meharry Center for AIDS Research (CFAR); NIAID/NIH *Factors Influencing Changes in Child Survival in Sub-Saharan Africa from 1990-2009* (PI); WHO

2003-2013 N01HV098224 (co-investigator) International CVPD (Cardiovascular and Pulmonary Diseases) Westat *Administrative Coordinating Center*; NHLBI/Westat

2010-2015 5R24TW008873-04 (Mulla, PI; Vermund, Co-PI); FIC/NIH The Medical Education Partnership Initiative (MEPI) at the University of Zambia

2007-2014 5R24TW007988-05 (Vermund, PI) FIC/NCI/NHLBI/NIDCR/NIH. *Fogarty International Clinical Research Scholars Support Center @ Vanderbilt-AAMC (FICRS)*

2012-20151R01HD075075-02 (Aliyu, PI) NIH *Optimizing integrated PMTCT services in rural North-Central Nigeria*

2011-2014 1R34AI091446-01A1 (Vermund, PI) *Expanded Testing, Linkage, and Treatment for HIV Prevention Among MSM in China*

**PUBLICATIONS AND PRESENTATIONS**

**Articles in Referred Journals, theses, and meta-analyses** (For book chapters, editorials, reviews, etc., see p. 47)

1. **Vermund SH.** *Longevity of adult Schistosoma mansoni from a prospective epidemiologic study of a Puerto Rican community*. London: University of London, 1981 [M.Sc. Thesis].
2. Asbell PA, **Vermund SH,** Hofeldt AJ. Presumed toxoplasmic retinochoroiditis in four siblings. *Am J Ophthalmol* 1982;94:656-63. [PMID: 7148946](http://www.ncbi.nlm.nih.gov/pubmed/7148946).
3. Garfield RM **Vermund SH.** Changes in malaria incidence after a mass drug administration in Nicaragua. *Lancet* 1983;2:500-3. [PMID: 6136655](http://www.ncbi.nlm.nih.gov/pubmed/6136655).
4. **Vermund SH,** Bradley DJ, Ruiz-Tiben E. Survival of *Schistosoma mansoni* in the human host: Estimates from a community-based prospective study in Puerto Rico. *Am J Trop Med Hyg* 1983;32:1040-6. [PMID: 6625059](http://www.ncbi.nlm.nih.gov/pubmed/6625059).
5. Garfield RM, **Vermund SH.** Malaria in Nicaragua: An update. *Lancet* 1984;1:1125. [Letter, original data] [PMID: 6144856](http://www.ncbi.nlm.nih.gov/pubmed/6144856).
6. **Vermund SH,** Goldstein RG, Romano AA, Atwood SJ. Accidental bromocriptine ingestion in childhood. *J Pediatr* 1984;105:838-40. [PMID: 6502320](http://www.ncbi.nlm.nih.gov/pubmed/6502320).
7. **Vermund SH.** Health of West Bank Palestinians. *Lancet* 1985;2:1121. [Letter, original data]
8. **Vermund SH,** Miller SG, Cohen SJ, and the Institute Health Team. *Health Status and Services in the West Bank and Gaza Strip.* New York*:* Institute for Middle East Peace and Development, Graduate Center of the City University of New York, September 1985:1-176. [Report to USAID, 14 figures, 54 tables]
9. Garfield RM, **Vermund SH.** Health education and community participation in mass drug administration for malaria in Nicaragua. *Soc Sci Med* 1986;22:869-77. [PMID: 3529425](http://www.ncbi.nlm.nih.gov/pubmed/3529425).
10. **Vermund SH,** MacLeod S, Goldstein RG. Taeniasis unresponsive to a single dose of niclosamide: Case report of persistent infection with *Taenia saginata* and a review of therapy. *Rev Infect Dis* 1986;8:423-6. [PMID: 3726395](http://www.ncbi.nlm.nih.gov/pubmed/3726395).
11. **Vermund SH,** LaFleur F, MacLeod S. Parasitic infections in a New York City hospital: Trends from 1971-1984. *Am J Public Health* 1986;76:1024-6. [PMCID: PMC1646640](http://www.ncbi.nlm.nih.gov/pubmed/3728762).
12. Alexander-Rodriguez T, **Vermund SH.** Gonorrhea and syphilis in incarcerated urban adolescents: Prevalence and physical signs. *Pediatrics* 1987;80:561-4. [PMID: 3658575](http://www.ncbi.nlm.nih.gov/pubmed/3658575).
13. Garfield RM, Frieden T, **Vermund SH.** Health-related outcomes of war in Nicaragua. *Am J Public Health* 1987;77:615-8. (Reprinted in the *Congressional Record*, extension of remarks of the Hon. Pat Williams of MT in the House of Representatives, February 3, 1988; E148-9.) PMCID: [PMC1647029](http://www.ncbi.nlm.nih.gov/pubmed/3565659).
14. Llovera IA, **Vermund SH,** Pelaez AU, Manotas R, Gonzales G. Risk factors for abnormal pharyngeal colonization in neonates. *J Trop Pediatr* 1987; 33:158-9 [letter, original data]. [http://tropej.oxfordjournals.org](http://tropej.oxfordjournals.org/content/33/3/158.full.pdf)
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19. Ritter DB, Kadish AS, **Vermund SH,** Romney SL, Villiardi D, Burk RD. Detection of human papillomavirus DNA in cervicovaginal cells as a predictor of cervical neoplasia in a high risk population. *Am J Obstet Gynecol* 1988;159(6):1517-25. (Highlighted in McCrory DC, et al. Evaluation of Cervical Cytology. Evidence Reports/Technology Assessments, No. 5. Rockville, MD: Agency for Health Care Policy and Research; 1999 Feb.) [PMID: 2849881](http://www.ncbi.nlm.nih.gov/pubmed/2849881).
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**Other publications as part of MultiCenter AIDS Cohort Study (MACS) team**:

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**Non-systematic reviews, books, book chapters, book reviews, letters to the editor, selected lay articles:**

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