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Qualifications

B.A., Haverford College, Chemistry and Philosophy, 1979
M.D., Dartmouth College, Medicine, 1984
Internship and Residency, University of Maryland at Baltimore, Internal Medicine, 1987
M.P.H., Johns Hopkins University, International Health, 1988
Post-doctoral Fellowship, Johns Hopkins University, Infectious Diseases, 1992

Expertise and Research Interests

Robert C. Bollinger, MD, MPH, is a Professor of Infectious Diseases in the Department of Medicine at the Johns Hopkins School of Medicine with a joint appointment in the Department of International Health at the Johns Hopkins Bloomberg School of Public Health. He has more than 30 years of experience in international public health, clinical research and education in a broad range of global health priorities including HIV/AIDS, malaria, tuberculosis, leprosy and emerging infections. His initial experience in public health in India was in 1979 and included field work with a leprosy control project in rural Bihar. Over the past 15 years, he has initiated and conducted a large collaborative Indo-US HIV research program in Pune, India, with the National AIDS Research Institute/Indian Council for Medical Research and the BJ Medical College/Sassoon General Hospital. He also conducts collaborative projects in Uganda and the Democratic Republic of Congo (DRC). He is the Principal Investigator for an NIH-sponsored HIV/AIDS Network Clinical Trials Unit (CTU) with its Clinical Research Site (CRS) located at the BJ Medical College (BJMC) in Pune, India. Current clinical studies there include a Phase II randomized, mother-and-child comparison trial to evaluate three antiretroviral strategies to reduce nevirapine resistance in HIV-1 (ACTG 5207); and a Phase II parallel, randomized clinical trial comparing responses to initiation of NNRTI-based versus PI-based antiretroviral therapy in HIV-infected

infants who have and have not previously received single dose nevirapine (IMPAACT trial P1060).

Dr. Bollinger is also the Country Director for the Hopkins Fogarty AIDS International Training and Research Programs in India and the DRC, which has provided short-term and degree public health training to more than 100 visiting scientists at Hopkins, as well as in-country training for more than 2000 scientists since 1992. Dr. Bollinger is Director of the Hopkins Center for Clinical Global Health Education (CCGHE) (www.ccghe.jhmi.edu) which develops and provides clinical education to health care providers in resource-limited settings around the world. Under Dr. Bollinger's leadership, the CCGHE is currently undertaking and establishing public health and clinical educational programs for physicians and nurses in India, Ethiopia, Zambia, Uganda and Panama. Dr. Bollinger is also Associate Director of the Johns Hopkins Center for Global Health, which coordinates all international health education and research at Johns Hopkins University.

Dr. Bollinger's research interests include characterization of the cellular immune response to recent HIV infection, identification of the biological and behavioral risk factors for HIV transmission, as well as the characterization of the clinical progression and treatment of HIV infection and related infections in resource-limited settings. He has been Principal Investigator for many collaborative NIH-sponsored research studies and clinical trials in Pune, India, including a Phase III randomized clinical trial to determine if anti-retroviral therapy can prevent HIV transmission among HIV-discordant sexual partners (HPTN 052 Trial), a Phase III randomized clinical trial comparing two different HAART regimens for treatment of HIV patients with low CD4 counts (ACTG 5175 Trial), a Phase III randomized clinical trial to compare two different regimens of infant nevirapine for prevention of breast-milk transmission of HIV (1R01-AI45462), and a Phase II clinical trial investigating the safety and acceptability vaginal microbicide 1% Tenofovir Gel (HPTN 059 Trial). He has published more than 100 research publications and 14 book chapters, including the first and largest studies of the risk factors for HIV transmission in India, the cloning and sequencing of the first HIV viruses from India, the only studies characterizing the primary immune response to HIV in India, and the demonstration of the increased risk of HIV acquisition associated with recent HSV infection and lack of circumcision.

Dr. Bollinger is also an active clinician/educator who provides and supervises HIV and infectious diseases clinical care in the outpatient and in-patient settings at the Johns Hopkins Hospital. In addition to his teaching, research and clinical responsibilities, Dr. Bollinger has contributed to many public health training programs, expert committees and consultations in the US, Botswana, Brazil, Chile, India, Japan, Pakistan, Panama, Rwanda, Senegal, South Africa, South Korea, Thailand and Uganda. For the past 4 years, he has been a member of the US Presidential Advisory Council for HIV/AIDS (PACHA), where he also serves as a member of the PACHA International Sub-committee. Dr. Bollinger received his undergraduate degree in Philosophy and Chemistry from Haverford College, his Doctor of Medicine from Dartmouth Medical School and his Masters in Public Health from the Department of International Health at the Johns Hopkins School of Public Health. He is Board Certified in Internal Medicine and Infectious Diseases from the American Board of Internal Medicine, having received internal medicine training at the University of Maryland Medical Systems and a Post-doctoral Fellowship in Infectious Diseases from Johns Hopkins School of Medicine. Dr. Bollinger has been on the faculty at Johns Hopkins School of Medicine and Public Health since 1992.

Keywords

COS Keywords: Biomedical Research Resources; Biomedical Research Resources, Other; Clinical Trial; Health and Safety Education; HIV; Human Immunodeficiency Virus; Infectious Diseases Or Agents; International Health; Leprosy; Lymphocytes; Public Health; Tropical Medicine

Additional Terms: Cellular Immunity; Cytotoxic T Lymphocyte; Global Health Education; Helper T Lymphocyte; Hiv Envelope Protein; Human Immunodeficiency Virus; Human Subject; International Health; Public Health; Tropical Medicine

Memberships

American Association for the Advancement of Science
American College of Physicians
American Society of Microbiology
American Society of Tropical Medicine and Hygiene
Infectious Diseases Society of America
International AIDS Society

Publications

Sinha G, Peters DH, Bollinger RC (2009) Strategies for gender-equitable HIV services in rural India, Health Policy Plan, doi(10)1093, Published

Chang LW, Kagaayi J, Nakigozi G, Galiwango R, Mulamba J, Ludigo J, Ruwangula A, Gray RH, Quinn TC, Bollinger RC, Reynolds SJ (Sep 2008) Telecommunications and Health Care: An HIV/AIDS Warmline for Communication and Consultation in Rakai, Uganda., Journal of the International Association of Physicians in AIDS Care (Chicago, Ill. : 2002), 7(3)130-2

Singh HK, Gupta A, Siberry GK, Gupte N, Sastry J, Kinikar A, Shah I, Gangakhedkar RR, Bollinger RC, Kulkarni V (Sep 2008) The Indian pediatric HIV epidemic: a systematic review, Current HIV research, 6(5)419-32

Ghate, M, Deshpande, S, Tripathy, S, Nene, M, Gedam, P, Godbole, S, Thakar, M, Risbud, A., Bollinger, R, Mehendale, S (2008) Incidence of common opportunistic infections in HIV-infected individuals in Pune, India: analysis by stages of immunosuppression represented by CD4 counts, Int J Infect Dis, , Published

Chang LW, Kagaayi J, Nakigozi G, Packer AH, Serwadda D, Quinn TC, Gray RH, Bollinger RC, Reynolds SJ (Mar 2008) Responding to the human resource crisis: peer health workers, mobile phones, and HIV care in Rakai, Uganda., AIDS patient care and STDs, 22(3)173-4

Sinha G, Dyalchand A, Khale M, Kulkarni G, Vasudevan S, Bollinger RC (Feb 2008) Low utilization of HIV testing during pregnancy: What are the barriers to HIV testing for women in rural India?, Journal of acquired immune deficiency syndromes (1999), 47(2)248-52

Moorthy, A, Gupta, A, Bhosale, R, Tripathy, S, Sastry, J, Kulkarni, S, Thakar, M, Bharadwaj, R, Kagal, A, Bhore, AV, Patil, S, Kulkarni, V, Varadharajan, V, Balasubramaniam, U, Suryavanshi, N, Ziemniak, C, Gupte, N, Bollinger, R, Persaud, D (2009) Nevirapine resistance and breast-milk HIV transmission: effects of single and extended-dose nevirapine prophylaxis in subtype C HIV-infected infants, PLoS One, 4(1)e4096, Published

Mwandagaliirwa, K, Jackson, EF, McClamroch, K, Ryder, RW, Bollinger, RC, Weir, S (2009) Local differences in HIV prevalence: a comparison of social venue patrons, antenatal patients, and STI patients in Eastern Kinshasa, AIDS, , In Press

Kulkarni, SS, Thakar, MR, Brahme, RG, Tripathy, SP, Mehendale, SM, Quinn, TM, Bollinger, RC, Paranjape, RS (2008) Neutralizing antibody responses in recent seroconverters with HIV-1 subtype C infections in India, AIDS Res Hum Retroviruses, 24((9))1159-1166, Published

Suryavanshi, N, Erande, A, Pisal H, Shankar, AV, Bhosale, RA, Bollinger, RC, Phadke, MA, Sastry, J (2008) Repeated pregnancy in HIV positive Indian women with known HIV status, AIDS Care, 20((9))1111-1118, Published

Six Week Extended-Dose Nevirapine (SWEN) Study Team (2008) Extended-dose nevirapine to 6 weeks of age for infants to prevent HIV transmission via breastfeeding in Ethiopia, India, and Uganda: an analysis of three randomized controlled trials, *Lancet*, 372((9635))300-313, Published

Gupta A, Anand S, Sastry J, Krisagar A, Basavaraj A, Bhat SM, Gupte N, Bollinger RC, Kakrani AL (2008) High risk for occupational exposure to HIV and utilization of post-exposure prophylaxis in a teaching hospital in Pune, India., *BMC infectious diseases*, 8, 142

Gupta A, Bollinger RC (2008) , *Combating HIV/AIDS: The Need for Public-Private Health Partnerships, Global Scenario on HIV and AIDS: Is There a Way Out?*, Hyderabad, India, Icfai University Press, Published

Gupte N, Brookmeyer R, Bollinger R, Gray G (Dec 2007) Modeling Maternal-Infant HIV Transmission in the Presence of Breastfeeding with an Imperfect Test., *Biometrics*, 63(4)1189-97

Gupta A, Gupte N, Bhosale R, Kakrani A, Kulkarni V, Nayak U, Thakar M, Sastry J, Bollinger RC (Nov 2007) Low sensitivity of total lymphocyte count as a surrogate marker to identify antepartum and postpartum Indian women who require antiretroviral therapy., *Journal of acquired immune deficiency syndromes (1999)*, 46(3)338-42

Gupta A, Gupte N, Sastry J, Bharucha KE, Bhosale R, Kulkarni P, Tripathy S, Nayak U, Phadke M, Bollinger RC (Aug 2007) Mother-to-child transmission of HIV among women who chose not to exclusively breastfeed their infants in Pune, India., *The Indian journal of medical research*, 126(2)131-4

Sobhani R, Basavaraj A, Gupta A, Bhavne AS, Kadam DB, Sangle SA, Prasad HB, Choi J, Josephs J, Gebo KA, Morde SN, Bollinger RC, Kakrani AL (Aug 2007) Mortality & clinical characteristics of hospitalized adult patients with HIV in Pune, India., *The Indian journal of medical research*, 126(2)116-21

Gupte N, Sastry J, Brookmeyer R, Phadke MA, Bhosale RA, Bollinger RC (Aug 2007) Declining HIV infection rates among recently married primigravid women in Pune, India., *Journal of acquired immune deficiency syndromes (1999)*, 45(5)570-3

Mehendale SM, Gupte N, Paranjape RS, Brahme RG, Kohli R, Joglekar N, Godbole SV, Joshi SN, Ghate MV, Sahay S, Kumar BK, Gangakhedkar RR, Risbud AR, Brookmeyer RS, Bollinger RC (Aug 2007) Declining HIV incidence among patients attending sexually transmitted infection clinics in Pune, India., *Journal of acquired immune deficiency syndromes (1999)*, 45(5)564-9

Gupta A, Nayak U, Ram M, Bhosale R, Patil S, Basavraj A, Kakrani A, Philip S, Desai D, Sastry J, Bollinger RC (Jul 2007) Postpartum tuberculosis incidence and mortality among HIV-infected women and their infants in Pune, India, 2002-2005., *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*, 45(2)241-9

Sinha G, Choi TJ, Nayak U, Gupta A, Nair S, Gupte N, Bulakh PM, Sastry J, Deshmukh SD, Khandekar MM, Kulkarni V, Bhosale RA, Bharucha KE, Phadke MA, Kshirsagar AS, Bollinger RC (Jun 2007) Clinically significant anemia in HIV-infected pregnant women in India is not a major barrier to zidovudine use for prevention of maternal-to-child transmission., *Journal of acquired immune deficiency syndromes (1999)*, 45(2)210-7

Shah B, Walshe L, Saple DG, Mehta SH, Ramnani JP, Kharkar RD, Bollinger RC, Gupta A (May 2007) Adherence to antiretroviral therapy and virologic suppression among HIV-infected persons receiving care in private clinics in Mumbai, India., *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*, 44(9)1235-44

Ramchandani SR, Mehta SH, Saple DG, Vaidya SB, Pandey VP, Vadrevu R, Rajasekaran S, Bhatia V, Chowdhary A, Bollinger RC, Gupta A (Feb 2007) Knowledge, attitudes, and practices of

antiretroviral therapy among HIV-infected adults attending private and public clinics in India., AIDS patient care and STDs, 21(2)129-42

Pisal H, Sutar S, Sastry J, Kapadia-Kundu N, Joshi A, Joshi M, Leslie J, Scotti L, Bharucha K, Suryavanshi N, Phadke M, Bollinger R, Shankar AV (2007) Nurses' health education program in India increases HIV knowledge and reduces fear., The Journal of the Association of Nurses in AIDS Care : JANAC, 18(6)32-43, Published

Sheth, A., Devgan, L., Gupta, A., Bollinger, R.C. (2007) The traveling farm wife, American Journal of Medicine, 120(1)16-18, Published

Gupta A, Mehta S, Godbole SV, Sahay S, Walshe L, Reynolds SJ, Ghate M, Gangakhedkar RR, Divekar AD, Risbud AR, Mehendale SM, Bollinger RC (Dec 2006) Same-sex behavior and high rates of HIV among men attending sexually transmitted infection clinics in Pune, India (1993-2002)., Journal of acquired immune deficiency syndromes (1999), 43(4)483-90

Reynolds SJ, Risbud AR, Shepherd ME, Rompalo AM, Ghate MV, Godbole SV, Joshi SN, Divekar AD, Gangakhedkar RR, Bollinger RC, Mehendale SM (Apr 2006) High rates of syphilis among STI patients are contributing to the spread of HIV-1 in India., Sexually transmitted infections, 82(2)121-6

Mehendale SM, Ghate MV, Kishore Kumar B, Sahay S, Gamble TR, Godbole SV, Thakar MR, Kulkarni SS, Gupta A, Gangakhedkar RR, Divekar AD, Risbud AR, Paranjape RS, Bollinger RC (Mar 2006) Low HIV-1 incidence among married serodiscordant couples in Pune, India., Journal of acquired immune deficiency syndromes (1999), 41(3)371-3

Riedel D, Ghate M, Nene M, Paranjape R, Mehendale S, Bollinger R, Sacktor N, McArthur J, Nath A (Feb 2006) Screening for human immunodeficiency virus (HIV) dementia in an HIV clade C-infected population in India., Journal of neurovirology, 12(1)34-8

Brahme, R, Mehta, S, Sahay, S, Joglekar, N, Ghate, M, Joshi, S, Gangakhedkar, R, Risbud, A, Bollinger, R, Mehendale, S (2006) Correlates and trend of HIV prevalence among female sex workers attending sexually transmitted disease clinics in Pune, India, J Acquir Immune Defic Syndr, 41((1))107-113, Published

Mehta, SH, Gupta, A, Sahay, S, Godbole, SV, Joshi, SN, Reynolds, SJ, Celentano, DD, Risbud, A, Mehendale, SM, Bollinger, RC (2006) High HIV prevalence among a high-risk subgroup of women attending sexually transmitted infection clinics in Pune, India, J Acquir Immune Defic Syndr, 41((1))75-80, Published

Ghate MV, Tripathy SP, Kumar BK, Godbole SV, Chittake A, Nyayanirgune P, Gangakhedkar RR, Divekar AD, Thakar MR, Risbud AR, Bollinger RC, Mehendale SM (2006) Rate of hospitalization and inpatient care costs for HIV-1-infected patients in Pune, India., The National medical journal of India, 19(1)10-4

Olin J, Kokolamami J, Lepira FB, Mwandagalirwa K, Mupenda B, Ndongala ML, Maman S, Bollinger R, Nachega J, Mokili J (2006) Community preparedness for HIV vaccine trials in the Democratic Republic of Congo., Culture, health & sexuality, 8(6)529-44

Bollinger RC (Dec 2005) Stop AIDS - keep the promise., The Indian journal of medical research, 122(6)459-60

Bollinger RC (Nov 2005) Johns Hopkins University Center for Clinical Global Health Education is established., The Hopkins HIV report : a bimonthly newsletter for healthcare providers / Johns Hopkins University AIDS Service, 17(6)1-2

Bharucha KE, Sastry J, Shrotri A, Sutar S, Joshi A, Bhore AV, Phadke MA, Bollinger RC, Shankar AV (Aug 2005) Feasibility of voluntary counselling and testing services for HIV among pregnant women presenting in labour in Pune, India., *International Journal of Std & Aids*, 16(8)553-5

Yang C, Li M, Mokili JL, Winter J, Lubaki NM, Mwandagalirwa KM, Kasali MJ, Losoma AJ, Quinn TC, Bollinger RC, Lal RB (Jul 2005) Genetic diversification and recombination of HIV type 1 group M in Kinshasa, Democratic Republic of Congo., *Aids Research and Human Retroviruses*, 21(7)661-6

Shankar AV, Sastry J, Erande A, Joshi A, Suryawanshi N, Phadke MA, Bollinger RC (Apr 2005) Making the choice: the translation of global HIV and infant feeding policy to local practice among mothers in Pune, India., *The Journal of Nutrition*, 135(4)960-5

Brahme RG, Sahay S, Malhotra-Kohli R, Divekar AD, Gangakhedkar RR, Parkhe AP, Kharat MP, Risbud AR, Bollinger RC, Mehendale SM, Paranjape RS (Apr 2005) High-risk behaviour in young men attending sexually transmitted disease clinics in Pune, India., *Aids Care*, 17(3)377-85

Sterling TR, Pisell-Noland T, Perez JL, Astemborski J, McGriff JR, Nutting L, Hoover DR, Vlahov D, Bollinger RC (Mar 2005) Sex-based differences in T lymphocyte responses in HIV-1-seropositive individuals., *The Journal of Infectious Diseases*, 191(6)881-5

Sahay S, Mehendale S, Sane S, Brahme R, Brown A, Charron K, Beyrer C, Bollinger R, Paranjape R (Feb 2005) Correlates of HIV vaccine trial participation: an Indian perspective., *Vaccine*, 23(11)1351-8

Bollinger RC (2005) *IJMR Special Issue on AIDS: Editorial Overview*, *Indian Journal of Medical Research*, 121(4)209-210, Published

Khandekar MM, Deshmukh SD, Holla VV, Rane SR, Kakrani AL, Sangale SA, Habbu AA, Pandit DP, Bhore AV, Sastry J, Phadke MA, Bollinger RC (Jan 2005) Profile of bone marrow examination in HIV/AIDS patients to detect opportunistic infections, especially tuberculosis., *Indian journal of pathology & microbiology*, 48(1)7-12

Eshleman SH, Hudelson SE, Gupta A, Bollinger R, Divekar AD, Gangakhedkar RR, Kulkarni SS, Thakar MR, Paranjape RS, Tripathy S (Jan 2005) Limited evolution in the HIV type 1 pol region among acute seroconverters in Pune, India., *Aids Research and Human Retroviruses*, 21(1)93-7

Gupta A, Bollinger RC (2005) , *Treatment of intestinal parasites, Advanced Therapy of Gastrointestinal Diseases*, , Ontario, Canada, BC Decker, Inc., Published

Reynolds SJ, Bollinger RC (2005) , *Acute HIV infection, Sexually Transmitted Infections*, Delhi, India, Elsevier Press, 650-655, Published

Brookmeyer R, Johnson E, Bollinger R (Dec 2004) Public health vaccination policies for containing an anthrax outbreak., *Nature*, 432(7019)901-4

Nayak S, Puranik SC, Deshmukh SD, Mani R, Bhore AV, Bollinger RC (Oct 2004) Fine-needle aspiration cytology in tuberculous lymphadenitis of patients with and without HIV infection., *Diagnostic Cytopathology*, 31(4)204-6

Rao JV, Ganguly NK, Mehendale SM, Bollinger RC (Oct 2004) India's response to the HIV epidemic., *Lancet*, 364(9442)1296-7

Sastry J, Pisal H, Sutar S, Kapadia-Kundu N, Joshi A, Suryavanshi N, Bharucha KE, Shrotri A, Phadke MA, Bollinger RC, Shankar AV (Aug 2004) Optimizing the HIV/AIDS informed consent

process in India., *Bmc Medicine [electronic Resource]*, 2(1)28

Reynolds SJ, Shepherd ME, Risbud AR, Gangakhedkar RR, Brookmeyer RS, Divekar AD, Mehendale SM, Bollinger RC (Mar 2004) Male circumcision and risk of HIV-1 and other sexually transmitted infections in India., *Lancet*, 363(9414)1039-40

Bollinger RC, Gupta A (Feb 2004) GB virus type C: a virus in search of a disease or a role in HIV therapy?, *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*, 38(3)410-1

Reynolds SJ, Shepherd ME, Brookmeyer RS, Mehendale SM, Bollinger RC (2004) Male circumcision and risk of HIV-1 infection, *Lancet*, 363, 1998-1999, Published

Mehta S, Bollinger RC (2004) , Diagnosis, surveillance, and projected scenarios: Estimating rates of HIV/AIDS in India, *AIDS in Asia*, New York, NY, Kluwer Academic/Plenum Publishers, 337-351, Published

Shankar AV, Pisal H, Patil O, Joshi A, Suryavanshi N, Shrotri A, Bharucha KE, Bulakh P, Phadke MA, Bollinger RC, Sastry J (Dec 2003) Women's acceptability and husband's support of rapid HIV testing of pregnant women in India., *Aids Care*, 15(6)871-4

Shrotri A, Shankar AV, Sutar S, Joshi A, Suryawanshi N, Pisal H, Bharucha KE, Phadke MA, Bollinger RC, Sastry J (Dec 2003) Awareness of HIV/AIDS and household environment of pregnant women in Pune, India., *International Journal of Std & Aids*, 14(12)835-9

Phadke MA, Gadgil B, Bharucha KE, Shrotri AN, Sastry J, Gupte NA, Brookmeyer R, Paranjape RS, Bulakh PM, Pisal H, Suryavanshi N, Shankar AV, Propper L, Joshi PL, Bollinger RC (Oct 2003) Replacement-fed infants born to HIV-infected mothers in India have a high early postpartum rate of hospitalization., *The Journal of Nutrition*, 133(10)3153-7

Shepherd ME, Gangakhedkar RR, Sahay S, Reynolds SJ, Ghate MV, Risbud AR, Paranjape RS, Bollinger RC, Mehendale SM (Sep 2003) Incident HIV infection among men attending STD clinics in Pune, India: pathways to disparity and interventions to enhance equity., *Journal of Health, Population, and Nutrition*, 21(3)251-63

Brookmeyer R, Johnson E, Bollinger R (Aug 2003) Modeling the optimum duration of antibiotic prophylaxis in an anthrax outbreak., *Proceedings of the National Academy of Sciences of the United States of America.*, 100(17)10129-32

Reynolds SJ, Risbud AR, Shepherd ME, Zenilman JM, Brookmeyer RS, Paranjape RS, Divekar AD, Gangakhedkar RR, Ghate MV, Bollinger RC, Mehendale SM (May 2003) Recent herpes simplex virus type 2 infection and the risk of human immunodeficiency virus type 1 acquisition in India., *The Journal of Infectious Diseases*, 187(10)1513-21

Reynolds SJ, Bartlett JG, Quinn TC, Beyrer C, Bollinger RC (May 2003) Antiretroviral therapy where resources are limited., *The New England Journal of Medicine*, 348(18)1806-9

Joshi S, Joglekar N, Ghate M, Unni J, Risbud A, Bentley M, Shepherd M, Bollinger R, Mehendale S (Apr 2003) Phase I safety & preliminary acceptability of nonoxynol-9 vaginal pessary as a vaginal microbicide in low risk women in Pune, India., *The Indian Journal of Medical Research*, 117, 152-7

Kashamuka M, Nzila N, Mussey L, Lubaki N, Quinn TC, Bollinger R, Kumar N (Mar 2003) Short report: analysis of anti-malaria immune response during human immunodeficiency virus infection in adults in Kinshasa, Democratic Republic of the Congo., *The American Journal of Tropical*

Medicine and Hygiene, 68(3)376-8

Menu E, Scarlatti G, Barre-Sinoussi F, Gray G, Bollinger RC, Ioannidis JPA, Miotti P, Osborne C (2003) Mother-to-child transmission of HIV: developing integration of health care programmes with clinical, social and basic research studies, *Acta Paediatrica*, 92, 1343-1348, Published

Risbud A, Pereira M, Mehendal SM, Gangakhedkar R, Ghate M, Joshi S, Tripathy S, Bollinger R, Paranjape R (2003) Lack of evidence for sexual transmission of hepatitis C virus in patients attending STD clinics in Pune, India, *Sexually Transmitted Infections*, 79, 425, Published

Suryavanshi N, Johhalagadda S, Erande AS, Sastry J, Pisal H, Bharucha KE, Shrotri A, Bulakh PM, Bulakh P, Phadke MA, Bollinger RC (2003) Infant feeding practices of HIV-positive mothers in India, *Journal of Nutrition*, 133, 1326-1331, Published

Thakar MR, Patke D, Lakhashe SK, Bhonge L, Kulkarni SV, Tripathy SP, Gupte N, Brookmeyer R, Quinn TC, Paranjape RS, Bollinger RC (Dec 2002) Consistent subtype-specific anti-HIV type 1 T lymphocyte responses in Indian subjects recently infected with HIV type 1., *Aids Research and Human Retroviruses*, 18(18)1389-93

Mehendale SM, Bollinger RC, Kulkarni SS, Stallings RY, Brookmeyer RS, Kulkarni SV, Divekar AD, Gangakhedkar RR, Joshi SN, Risbud AR, Thakar MA, Mahajan BA, Kale VA, Ghate MV, Gadkari DA, Quinn TC, Paranjape RS (Nov 2002) Rapid disease progression in human immunodeficiency virus type 1-infected seroconverters in India., *Aids Research and Human Retroviruses*, 18(16)1175-9

Patke DS, Langan SJ, Carruth LM, Keating SM, Sabundayo BP, Margolick JB, Quinn TC, Bollinger RC (Oct 2002) Association of Gag-specific T lymphocyte responses during the early phase of human immunodeficiency virus type 1 infection and lower virus load set point., *The Journal of Infectious Diseases*, 186(8)1177-80

Keating SM, Bollinger RC, Quinn TC, Jackson JB, Carruth LM (Sep 2002) Cross-clade T lymphocyte-mediated immunity to HIV type 1: implications for vaccine design and immunodetection assays., *Aids Research and Human Retroviruses*, 18(14)1067-79

Risbud A, Mehendale S, Basu S, Kulkarni S, Walimbe A, Arankalle V, Gangakhedkar R, Divekar A, Bollinger R, Gadkari D, Paranjape R (Jun 2002) Prevalence and incidence of hepatitis B virus infection in STD clinic attendees in Pune, India., *Sexually Transmitted Infections*, 78(3)169-73

Reynolds SJ, Lubaki NM, Luo CC, Kashamuka M, Losoma JA, Mwamba JK, Edidi B, Nzilambi NE, Quinn TC, Bollinger RC (2002) Evaluation of a rapid test for the detection of antibodies to human immunodeficiency virus type 1 and 2 in the setting of multiple transmitted viral subtypes, *International Journal of STD and AIDS*, 13(3)171-173, Published

Meininger GR, Nadasdy T, Hruban RH, Bollinger RC, Baughman KL, Hare JM (Sep 2001) Chronic active myocarditis following acute *Bartonella henselae* infection (cat scratch disease)., *The American Journal of Surgical Pathology*, 25(9)1211-4

Joshi S, Chandorkar A, Krishnan G, Walimbe A, Gangakhedkar R, Risbud A, Jadhav V, Bollinger R, Mehendale S (May 2001) Cervical intraepithelial changes & HIV infection in women attending sexually transmitted disease clinics in Pune, India., *The Indian Journal of Medical Research*, 113, 161-9

Mehendale SM, Shepherd ME, Brookmeyer RS, Semba RD, Divekar AD, Gangakhedkar RR, Joshi S, Risbud AR, Paranjape RS, Gadkari DA, Bollinger RC (Apr 2001) Low carotenoid concentration and the risk of HIV seroconversion in Pune, India., *Journal of Acquired Immune*

Deficiency Syndromes (1999), 26(4)352-9

van De Wijgert J, Fullem A, Kelly C, Mehendale S, Ruggao S, Kumwenda N, Chirenje Z, Joshi S, Taha T, Padian N, Bollinger R, Nelson K (Jan 2001) Phase 1 trial of the topical microbicide BufferGel: safety results from four international sites., *Journal of Acquired Immune Deficiency Syndromes* (1999), 26(1)21-7

Quinn TC, Brookmeyer R, Kline R, Shepherd M, Paranjape R, Mehendale S, Gadkari DA, Bollinger R (Dec 2000) Feasibility of pooling sera for HIV-1 viral RNA to diagnose acute primary HIV-1 infection and estimate HIV incidence., *Aids (London, England)*, 14(17)2751-7

Bollinger RC, Bartlett JG (2000) , Gas gangrene, *Hunter's Tropical Medicine*, , WB Saunders, 388-390, Published

Bollinger RC, Bartlett JG (2000) , Botulism, *Hunter's Tropical Medicine*, , WB Saunders, 381-383, Published

Alazraqui TA, Bollinger RC, Ward BJ (2000) , Tetanus, *Hunter's Tropical Medicine*, , WB Saunders, 379-381, Published

Lubaki NM, Shepherd ME, Brookmeyer RS, Hon H, Quinn TC, Kashamuka M, Johnson M, Gottle R, Devers J, Lederman HM, Bollinger RC (Sep 1999) HIV-1-specific cytolytic T-lymphocyte activity correlates with lower viral load, higher CD4 count, and CD8+CD38-DR- phenotype: comparison of statistical methods for measurement., *Journal of Acquired Immune Deficiency Syndromes* (1999), 22(1)19-30

Lole KS, Bollinger RC, Paranjape RS, Gadkari D, Kulkarni SS, Novak NG, Ingersoll R, Sheppard HW, Ray SC (Jan 1999) Full-length human immunodeficiency virus type 1 genomes from subtype C-infected seroconverters in India, with evidence of intersubtype recombination., *Journal of Virology*, 73(1)152-60

Bollinger RC (1999) Acute primary HIV infection, *AIDS Research and Review*, 2(2)64-68, Published

Risbud A, Chan-Tack K, Gadkari D, Gangakhedkar RR, Shepherd ME, Bollinger R, Mehendale S, Gaydos C, Divekar A, Rompalo A, Quinn TC (Jan 1999) The etiology of genital ulcer disease by multiplex polymerase chain reaction and relationship to HIV infection among patients attending sexually transmitted disease clinics in Pune, India., *Sexually Transmitted Diseases*, 26(1)55-62

Bentley ME, Spratt K, Shepherd ME, Gangakhedkar RR, Thilikavathi S, Bollinger RC, Mehendale SM (Oct 1998) HIV testing and counseling among men attending sexually transmitted disease clinics in Pune, India: changes in condom use and sexual behavior over time., *AIDS (London, England)*, 12(14)1869-77

Paranjape RS, Gadkari DA, Lubaki M, Quinn TC, Bollinger RC (Aug 1998) Cross-reactive HIV-1-specific CTL in recent seroconverters from Pune, India., *The Indian journal of medical research*, 108, 35-41

Gadkari DA, Quinn TC, Gangakhedkar RR, Mehendale SM, Divekar AD, Risbud AR, Chan-Tack K, Shepherd M, Gaydos C, Bollinger RC (Jul 1998) HIV-1 DNA shedding in genital ulcers and its associated risk factors in Pune, India., *Journal of acquired immune deficiency syndromes and human retrovirology : official publication of the International Retrovirology Association*, 18(3)277-81

Ray SC, Lubaki N, Dhruva BR, Siliciano RF, Bollinger RC (Jan 1998) Autologous strain-specific cytolytic T lymphocyte responses directed against human immunodeficiency virus type 1 Env.,

AIDS research and human retroviruses, 14(1)3-13

Gadkari DA, Moore D, Sheppard HW, Kulkarni SS, Mehendale SM, Bollinger RC (Jan 1998) Transmission of genetically diverse strains of HIV-1 in Pune, India., *The Indian journal of medical research*, 107, 1-9

Bollinger RC, Gangakhedkar RR (1998) , HIV in Southeast Asia, *Encyclopedia of AIDS*, 441
Bollinger RC (1998) , Seroconversion, *Encyclopedia of AIDS*, 82-85, Published

Bollinger RC, Quinn TC (1998) , Tropical diseases in the HIV-infected traveler, *Textbook of AIDS Medicine*, , Williams & Wilkins, 311-322, Published

Bollinger RC, Brookmeyer RS, Mehendale SM, Paranjape RS, Shepherd ME, Gadkari DA, Quinn TC (Dec 1997) Risk factors and clinical presentation of acute primary HIV infection in India., *JAMA : the journal of the American Medical Association*, 278(23)2085-9

Gangakhedkar RR, Bentley ME, Divekar AD, Gadkari D, Mehendale SM, Shepherd ME, Bollinger RC, Quinn TC (Dec 1997) Spread of HIV infection in married monogamous women in India., *JAMA : the journal of the American Medical Association*, 278(23)2090-2

Mawar N, Mehendale S, Thilakavathi S, Shepherd M, Rodrigues J, Bollinger R, Bentley M (Sep 1997) Awareness & knowledge of AIDS & HIV risk among women attending STD clinics in Pune, India., *The Indian journal of medical research*, 106, 212-22

Lubaki NM, Ray SC, Dhruva B, Quinn TC, Siliciano RF, Bollinger RC (Jun 1997) Characterization of a polyclonal cytolytic T lymphocyte response to human immunodeficiency virus in persons without clinical progression., *The Journal of infectious diseases*, 175(6)1360-7

Singh U, Porterfield D, Thilakavathi S, Shepherd M, Mawar N, Divekar AD, Bollinger R (1997) Knowledge of HIV transmission and sexual behavior of college students in Pune, India, *AIDS*, 11(12)1519-1533, Published

Mehendale SM, Shepherd ME, Divekar AD, Gangakhedkar RR, Kamble SS, Menon PA, Yadav R, Risbud AR, Paranjape RS, Gadkari DA, Quinn TC, Bollinger RC, Rodrigues JJ (Dec 1996) Evidence for high prevalence & rapid transmission of HIV among individuals attending STD clinics in Pune, India., *The Indian journal of medical research*, 104, 327-35

Brookmeyer R, Mehendale SM, Pelz RK, Shepherd ME, Quinn T, Rodrigues JJ, Bollinger RC (Jul 1996) Estimating the rate of occurrence of new HIV infections using serial prevalence surveys: the epidemic in India., *AIDS (London, England)*, 10(8)924-5

Bollinger RC, Egan MA, Chun TW, Mathieson B, Siliciano RF (1996) Cellular immune responses to HIV-1 in progressive and non-progressive infections., *AIDS (London, England)*, 10 Suppl A, S85-96

Bollinger RC (1996) The immunology of AIDS, *Journal of Clinical Genetics Tribal Research*, 1(3)155-169, Published

Tripathy S, Renjifo B, Wang WK, McLane MF, Bollinger R, Rodrigues J, Osterman J, Essex M (1996) Envelope gp120 sequences of primary HIV-1 isolates from Pune and New Delhi, India, *AIDS Research and Human Retroviruses*, 10(12)1199-1202, Published

Brookmeyer R, Quinn T, Shepherd M, Mehendale S, Rodrigues J, Bollinger R (Oct 1995) The AIDS epidemic in India: a new method for estimating current human immunodeficiency virus (HIV) incidence rates., *American journal of epidemiology*, 142(7)709-13

Bollinger RC, Tripathy SP, Quinn TC (Mar 1995) The human immunodeficiency virus epidemic in India. Current magnitude and future projections., *Medicine*, 74(2)97-106

Mehendale SM, Rodrigues JJ, Brookmeyer RS, Gangakhedkar RR, Divekar AD, Gokhale MR, Risbud AR, Paranjape RS, Shepherd ME, Rompalo AE, Sule RR, Tolat SN, Jadhav VD, Quinn TC, Bollinger RC (1995) Incidence and predictors of human immunodeficiency virus type 1 seroconversion in patients attending sexually transmitted disease clinics in India., *Journal of Infectious Diseases*, 172, 1486-1491, Published

Rodrigues JJ, Mehendale SM, Shepherd ME, Divekar AD, Gangakhedkar RR, Quinn TC, Paranjape RS, Risbud AR, Brookmeyer RS, Gadkari DA, Gokhale MR, Rompalo AM, Deshpande SG, Khaladkar MM, Mawar N, Bollinger RC (1995) Risk factors for HIV infection in people attending clinics for sexually transmitted diseases in India, *British Journal of Medicine*, 311(7000)283-286

Lubaki MN, Egan MA, Siliciano RF, Weinhold KJ, Bollinger RC (Nov 1994) A novel method for detection and ex vivo expansion of HIV type 1-specific cytolytic T lymphocytes., *AIDS research and human retroviruses*, 10(11)1427-31

Baskar PV, Ray SC, Rao R, Quinn TC, Hildreth JE, Bollinger RC (Aug 1994) Presence in India of HIV type 1 similar to North American strains., *AIDS research and human retroviruses*, 10(8)1039-41

Bollinger RC, Quinn TC (1994) , Approach to gastrointestinal infection in immunosuppressed patients, *Gastrointestinal and Hepatic Infections*, WB Saunders, 575-595, Published

Quinn TC, Bollinger RC (1994) , Parasitic diseases during pregnancy, *Gynecology and Obstetrics*, JB Lippincott, 1-28, Published

Bollinger RC, Quinn TC (1994) , Tropical disease in the HIV-infected traveler, *Text book of AIDS Medicine*, Williams & Wilkins, 311-322, Published

Bollinger RC, Quinn TC, Liu AY, Stanhope PE, Hammond SA, Viveen R, Clements ML, Siliciano RF (Nov 1993) Cytokines from vaccine-induced HIV-1 specific cytotoxic T lymphocytes: effects on viral replication., *AIDS research and human retroviruses*, 9(11)1067-77

Hammond SA, Bollinger RC, Tobery TW, Siliciano RF (Jul 1993) Transporter-independent processing of HIV-1 envelope protein for recognition by CD8+ T cells., *Nature*, 364(6433)158-61

Ray SC, Siliciano RF, Bollinger RC (1993) Immunization and immunotherapy for human immunodeficiency virus type-1 (HIV-1) infection: a brief review., *Venereology*, 6(4)93-94, Published

Hammond SA, Bollinger RC, Stanhope PE, Quinn TC, Schwartz D, Clements ML, Siliciano RF (Dec 1992) Comparative clonal analysis of human immunodeficiency virus type 1 (HIV-1)-specific CD4+ and CD8+ cytolytic T lymphocytes isolated from seronegative humans immunized with candidate HIV-1 vaccines., *The Journal of experimental medicine*, 176(6)1531-42

Siliciano RF, Bollinger RC, Callahan KM, Hammond SA, Liu AY, Miskovsky EP, Rowell JF, Stanhope PE (Aug 1992) Clonal analysis of T-cell responses to the HIV-1 envelope proteins in AIDS vaccine recipients., *AIDS research and human retroviruses*, 8(8)1349-52

Bollinger RC, Kline RL, Francis HL, Moss MW, Bartlett JG, Quinn TC (May 1992) Acid dissociation increases the sensitivity of p24 antigen detection for the evaluation of antiviral therapy and disease progression in asymptomatic human immunodeficiency virus-infected

persons., The Journal of infectious diseases, 165(5)913-6

Bollinger RC, Siliciano RF (1992) , Immunodeficiency in HIV-1 infection, AIDS and Other Manifestations of HIV Infection, , Wormser G. Raven Press, Ltd., 145-163, Published

Levine B, Hardwick JM, Trapp BD, Crawford TO, Bollinger RC, Griffin DE (Nov 1991) Antibody-mediated clearance of alphavirus infection from neurons., Science (New York, N.Y.), 254(5033)856-60

Bollinger RC (1985) Glucose-6-phosphate dehydrogenase deficiency in the Lahore area of Pakistan, Pakistan Journal of Medical Research, 24(2)85-87, Published

Bhore AV, Sastry J, Patke D, Gupte N, Bulakh PM, Lele S, Karmarkar A, Bharucha KE, Shrotri A, Pisal H, Suryavanshi N, Tripathy S, Risbud AR, Paranjape RS, Shankar AV, Kshirsagar A, Phadke MA, Joshi PL, Brookmeyer RS, Bollinger RC, Sensitivity and specificity of rapid HIV testing of pregnant women in India, International Journal of STD and AIDS, 14(1)37-41, Published

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