

CURRICULUM VITAE

DATE March 3, 2004

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FOREIGN LANGUAGES Spanish: read, write, speak

MEDICAL LICENSURE New Mexico # 90-332 1990 - present
Arizona # 17125 1987 - 1992

CERTIFICATIONS 2002 Diplomate, American Board of Family Practice (recertified)
1995 Diplomate, American Board of Family Practice (recertified)
1989 Diplomate, American Board of Family Practice

EDUCATIONAL HISTORY Fellowship in Faculty Development
University of Arizona, Tucson, AZ
1989 - 1990

Postgraduate Education
University of Arizona, Tucson, AZ
Internship and Residency in Family Practice
1986 - 1989

MPH
University of North Carolina, Chapel Hill, NC
Major: Health Policy/Administration
1985 - 1986

MD
University of North Carolina, Chapel Hill, NC
1982 - 1986

BA (Honors)
University of California, Santa Cruz, CA
Major: Biology
1979 - 1981

MA (1975)
Temple University, Philadelphia, PA
Major: Religion
1973 - 1977

BA
Prescott College, Prescott, AZ
Major: Humanities
1971-1973

Claremont Men's College, Claremont, CA
Major: Philosophy
1969 - 1971

EMPLOYMENT HISTORY

8/1/02-Present Associate Professor (Clinician Educator)
Department of Internal Medicine, Infectious Diseases Division
Department of Family & Community Medicine
University of New Mexico School of Medicine
Albuquerque, NM

7/1/96-6/30/02 Staff Physician (Associate Professor, LAT)
Department of Internal Medicine, Infectious Diseases Division
Department of Family & Community Medicine
University of New Mexico School of Medicine
Albuquerque, NM

8/1/90-6/30/96 Staff Physician (Assistant Professor, LAT)
Department of Medicine, Infectious Diseases Division
Department of Family & Community Medicine
University of New Mexico School of Medicine
Albuquerque, NM

HOSPITAL AFFILIATIONS

1994-Present Veteran's Administration Medical Center, Albuquerque, NM
1990-Present University Hospital, Albuquerque, NM
1992-1999 Presbyterian Hospital, Albuquerque, NM

MEMBERSHIPS

2001-Present HIV Medicine Association (IDSA)
2000-Present International AIDS Society
1991-Present Greater Albuquerque Medical Association
1990-Present American Academy of Family Practice
1990-Present American Medical Association
1996-1998 American Society for Parenteral and Enteral Nutrition

INVITED LECTURES

- 8/31/04 “Antiretroviral Therapy”
Grand Rounds
Dept. of Family & Community Medicine
University of New Mexico Health Sciences Center
Albuquerque, NM
- 5/13/03 “HIV Disease in the Emergency Department”
Dept. of Emergency Medicine
UNM Health Sciences Center
Albuquerque, NM
Sponsor: NM AIDS Education & Training Center
- 8/23/02 “Quality Management Institute: Implementing Quality Management in a Lead
Agency/Subcontractor System of Care (panel)”
2002 Ryan White CARE Act Cross Titles Annual Meeting
Washington, DC
- 10/4/01 “Advances in Antiretroviral Therapy”
Update and Review of Internal Medicine
University of New Mexico Health Sciences Center/Beth Israel Hospital
Santa Fe, NM
- 5/24/01 “Metabolic and Morphologic Abnormalities in HIV Disease”
Grand Rounds
Dept. of Internal Medicine
Albuquerque, NM
- 3/8/01 “Update from the 8th Conference on Retroviruses and Opportunistic Infections:
Metabolic and Morphologic Abnormalities in HIV Disease”
Sponsors: Bristol Myers Squibb Distinguished Faculty in HIV
NM AIDS Education and Training Center
Albuquerque, NM
- 10/23/00 “HIV Service Delivery in New Mexico: Health Management Alliances”
Northeast Conference on Rural HIV Service Delivery
US Dept. of Health and Human Services, HRSA, HIV/AIDS Bureau
Burlington, VT
- 8/2/00 “Update on Antiretroviral Therapy in HIV Disease”
Grand Rounds
Dept. of Family & Community Medicine
University of New Mexico Health Sciences Center
Albuquerque, NM
- 5/22/00 “Immune-Based Therapies in HIV Disease” (community forum)
Sponsor: Chiron Corporation
Albuquerque, NM
- 3/14/00 “HIV Update: 7th Conference on Retroviruses and Opportunistic Infections”
Sponsor: Bristol-Myers Squibb Distinguished Faculty Series in HIV
Albuquerque, NM

- 2/24/99 “HIV Update: 6th Conference on Retroviruses and Opportunistic Infections”
Sponsor: Bristol-Myers Squibb Distinguished Faculty Series in HIV
Albuquerque, NM
- 1/14/99 “HIV Treatment Update”
Plenary address
Facing the Challenge: Developing Native American-Specific HIV Research, Care,
Treatment, and Intervention Services in Tribal, Indian Health, and Urban Health
Systems
Sponsors: Phoenix Indian Medical Center, Indian Health Service
 Office of AIDS Research (NIH)
Albuquerque, NM
- 9/24/98 “HIV/AIDS Research in a Health Care Setting”
Navajo Integrated HIV/AIDS Service Delivery Model Project
Multidisciplinary Team Work Session
Albuquerque, NM
- 1997 “Antiretroviral Therapy in Adults with HIV Disease: Principles & Guidelines”
Grand Rounds
Dept. of Family & Community Medicine
University of New Mexico
Albuquerque, NM
- 1997 “Antiretroviral Therapy in Adults with HIV Disease: Principles & Guidelines”
Grand Rounds
La Casa de Buena Salud
Portales, NM
- 1997 Grand Rounds
Chavez County Medical Society
Roswell, NM
- 1996 “HIV Pathogenesis and Treatment”
Minority HIV Treatment Symposium
Albuquerque, NM
- 1996 “HIV Pathogenesis and Treatment”
New Mexico Society for Parenteral and Enteral Nutrition
Albuquerque, NM
- 1996 “Update on Protease Inhibitors”
Grand Rounds
San Juan Regional Health Center
Farmington, NM
- 1996 “Update on Protease Inhibitors”
Grand Rounds
Public Health Service Hospital
Albuquerque, NM
- 1995 “Early Care of the HIV Patient”
15th Annual Balloon Fiesta Medical Symposium
NM Osteopathic Medical Association
Albuquerque, NM

1995

“New Antiretroviral Therapies”
Fall Primary Care Update ‘95
New Mexico Academy of Physician Assistants
Albuquerque, NM

- 1995 “HIV Disease in the Workplace”
Infectious Diseases in the Workplace
NM Workers’ Compensation Association
Albuquerque, NM
- 1995 Quality Improvement/Quality Assurance in the III(b) Programs (panel)
Ryan White CARE Act Title III(b) Fifth Annual Meeting
Washington, DC
- 1994 “Medical Aspects of AIDS”
Legal Needs of People With AIDS
State Bar of New Mexico, Albuquerque, NM
- 1993 “Diagnosis of HIV and Early Therapy Considerations”
Primary Care Update, Albuquerque, NM
- 1991 “Early Intervention for HIV Patients”
Grand Rounds
Chavez County Medical Society
Roswell, NM

NATIONAL SERVICE

- 2003 Member, Ad Hoc Social Security HIV Disability Advisory Committee
HIV Medicine Association, (IDSA)
- 2003 Member, HIV CAQ Development Committee
HIV Medicine Association, (IDSA)
- 2002-Present Member, Board of Directors
HIV Medicine Association (IDSA)
- November, 2002 Reviewer, Ryan White Title III Grant Objective Review Committee
US Dept. of Health and Human Services, HRSA, HIV/AIDS Bureau
- July, 2002 Reviewer, Ryan White Title III Planning Grant Objective Review Committee
US Dept. of Health and Human Services, HRSA, HIV/AIDS Bureau
- July, 2000 Reviewer, Ryan White Title III Planning Grant Objective Review Committee
US Dept. of Health and Human Services, HRSA, HIV/AIDS Bureau
- 1997-2000 Member, Publications & Presentations Committee
Terry Beirn Community Programs for Clinical Research on AIDS (NIH)
- 1995-1999 Clinical Site Monitor
Ryan White Title IIIb Program
Health Resources & Services Administration
US Dept. of Health & Human Services
- 1994-2000 Member, Steering Committee
Terry Beirn Community Programs for Clinical Research on AIDS (NIH)
- 1997-1998 Member, Science Planning Committee
Terry Beirn Community Programs for Clinical Research on AIDS (NIH)

1996-1998 PI Liaison, Quality Improvement Committee
Terry Bein Community Programs for Clinical Research on AIDS (NIH)

ACADEMIC SERVICE

2003-present Ryan White/HMA 1
Principal Investigator
Medical Director
Supervise federally funded regional HIV service grants (Ryan White Title III and Ryan White Title IV) in northwestern New Mexico, including the greater Albuquerque area. Specific areas of responsibility include CQI, provider education, and clinical research.

2001-2002 Chair, HRRC Advisory Committee
UNM Health Sciences Center

2000-2001 Member, Scheduled Drug Subcommittee
Pharmacy & Therapeutics Committee
UNM Health Sciences Center

2000-2003 Ryan White/HMA 1
Co-Medical Director
Supervise federally funded regional HIV service grants (Ryan White Title III and Ryan White Title IV) in northwestern New Mexico, including the greater Albuquerque area. Specific areas of responsibility include CQI, provider education, and clinical research.

1992-2000 Partners in Care/Ryan White
Medical Director
Developed and supervised implementation of a statewide network of primary care clinicians providing ambulatory care to HIV+ patients throughout New Mexico. Working on integration plan with DOH-funded HIV Health Management Alliances to develop a statewide managed care HIV service delivery system.

HIV Primary Care Standards and Quality Assurance Developed standards of medical care for HIV+ adults and children. Specific standards were also developed for care of HIV+ women. Designed and implemented quality assurance program to verify compliance with standards by contract providers throughout New Mexico.

UNMHSC Perinatal HIV Screening and Treatment Protocol.
Developed and supervised implementation of multidepartmental protocol to systematically offer HIV testing to all pregnant women followed at University Hospital and its associated outpatient clinics, ensure consistent perinatal HIV chemoprophylaxis during pregnancy and labor, and to provide for expert postpartum evaluation and monitoring of infants born to HIV+ mothers.

Perinatal HIV Prevention Video
Assisted in the production of and appeared in an educational videotape (“A Test in Time”) designed to encourage women of child-bearing potential at risk of acquiring HIV disease to be tested prior to pregnancy. The videotape has been presented at several conferences and has been distributed nationwide. In collaboration with UNMHSC Public Affairs, negotiations for local and syndicated television distribution are in progress.

1997-2001 Member, Pharmacy & Therapeutics Committee,

Cimarron Salud HMO

1996-2000
Editor
NM AIDS Research & Therapeutics (Newsletter)
UNM School of Medicine
Albuquerque, NM

COMMUNITY SERVICE

1994-Present
Member, Medical/Legal Review Panel
NM Medical Society
Albuquerque, NM

1990-Present
Member, Editorial Board
Healthsmart (patient education newsletter)
University Hospital
Albuquerque, NM

1996-1998
Director at Large, Board of Directors
New Mexico Society for Parenteral & Enteral Nutrition
Albuquerque, NM

1993-1996
Member, NM Department of Health Pharmacy & Therapeutics Committee
Albuquerque, NM

1991-1998
Team Leader
HIV Clinical Outreach Team (SE New Mexico)
AIDS Education & Training Center
UNM School of Medicine
Albuquerque, NM

1991-1996
Member, Steering Committee
New Mexico Street Outreach Program
Albuquerque, NM

1991-1994
Member, Steering Committee
HIV Coordinating Council
Albuquerque, NM

1991-1993
Member, Board of Directors
NM Association of People Living with AIDS
Albuquerque, NM

1991-1993
Chair, Services & Continuum of Care Committee
HIV Coordinating Council
Albuquerque, NM

1990-1991
Member, New Mexico AIDS Consortium
Albuquerque, NM

1987-1990
Attending Physician, CUP Clinic (student-run indigent clinic)
Tucson, AZ

1984-1986
Coordinator, Child Abuse Prevention Project
University of North Carolina School of Medicine

1983-1984	Coordinator, SHAC Clinic (student-run indigent clinic) Carrboro, NC
1980-1982	Chairman, Santa Cruz County Drug Abuse Commission Santa Cruz, CA
1977-1978	Peer Counselor, Missoula Battered Women's Shelter Missoula, MT

PROFESSIONAL INTERESTS

Service

Service activities are broadly categorized into three areas: clinical care, administration, and community development.

Ambulatory care of adult HIV patients at all stages of disease has remained the primary focus of my clinical activities. I maintain one of the largest caseloads in the state (currently 135 patients) and am recognized as a regional expert on management of the disease.

National recognition of my clinical expertise in HIV medicine is exemplified by the fact that I have been asked to serve on several HRSA (US Dept. of Health and Human Services) Ryan White Title III (funding HIV services) grant review panels and as a clinical site monitor for its primary care programs. I was recently (2002) elected as the sole Family Practice member of the Board of Directors the HIV Medicine Association (IDSA), a national HIV policy organization affiliated with the Infectious Diseases Society of America. In that capacity, I serve on committees to develop a cross-disciplinary certificate of added qualification (CAQ) for HIV care and to advise the Social Security Administration on planned revisions of its HIV disability regulations.

In 1991, I became the founding Medical Director of 'Partners in Care/Ryan White' (PIC/RW), a statewide, federally-funded (HRSA) network of 50-70 primary care clinicians providing care to over 1000 HIV patients throughout New Mexico. I served in that capacity until the network was re-structured in 2000 at which time I became Co-Medical Director (now, Medical Director) of the regional (northwestern New Mexico) successor to the program, Health Management Alliance, District 1 (HMA 1). As PIC/RW Medical Director, I developed a unique, nationally recognized CQI (Continuous Quality Improvement) program in which problem-based HIV provider education was integrated into annual on-site chart audits assessing compliance with clinical standards of care, developed by me based on national models.

In 1996, I developed and supervised the implementation of a cross-disciplinary protocol to 1) systematically offer HIV testing to all pregnant women followed at University Hospital; 2) ensure consistent perinatal HIV chemoprophylaxis during pregnancy and labor; and 3) provide for expert (under contract with the UNMHSC Dept. of Pediatrics, Division of Infectious Diseases) postpartum evaluation and monitoring of infants born to HIV+ mothers. As HMA 1 Medical Director, I have successfully developed cross-disciplinary collaborations with the UNMHSC Departments of OB/GYN and Pediatrics and the UNM Dental Program. Through these collaborations, access to services by HIV-infected patients—particularly women, adolescents, and children—and their families has been significantly enhanced.

As Medical Director of the statewide, HRSA-funded HIV Ryan White Title III Early Intervention program (1991-2000) and now of the regional Health Management Alliance, District 1, I have been intensively involved in the development of community HIV service resources throughout the state. This has occurred through a number of avenues including the establishment of HIV-specific provider contracts, on-site problem-based HIV education, and invited presentations to local medical societies, hospital grand rounds, and local forums.

More recently, I have initiated collaboration with the UNMHSC Dept. of OB/GYN, Division of Maternal and Fetal Medicine to develop a referral mechanism to ensure timely and competent access to obstetric and gynecologic care for HIV-infected women statewide through the Department's rural outreach and UH-based high-risk clinics.

I have been centrally involved in managing a long-standing collaboration with NM AIDS Services, a community-based AIDS service organization providing case management, mental health/substance abuse

treatment, and other ancillary services to patients enrolled in the UNMHSC HIV program. These activities are supported by federal and state grants for which I serve as Principal Investigator.

Education

I have been active in educational efforts both within the UNMHSC and the community. Since 1995, I have served as a Continuity Clinic preceptor for Phase I medical students, offering them ‘hands-on’ primary care experience with HIV-infected patients. In 2000 and 2001, I was a tutor in the Phase I Infectious Diseases/ Neoplasia block. I was simultaneously a member of the Phase I ID block curriculum committee. In 2002, I was tutor in the Phase II Internal Medicine block. From 1996-1998, I continued to direct an outpatient HIV elective rotation for senior medical students and residents I originally developed in 1991. This multidisciplinary experience involved exposure to medical, social service, research and community HIV services and was consistently well-received, attracting students from around the country. Although the rotation was reorganized to include other areas of ID sub-specialization under the direction of Elaine Thomas, MD in 1998, I have remained an active preceptor in the HIV clinic.

I provide UNMHSC CME-accredited, on-site, problem-based learning sessions to community-based HIV providers during annual site visits as part of the HMA 1 CQI program. I have been actively engaged as an invited speaker on HIV topics in numerous intramural, community, regional and national venues. In 1996, I developed and edited a quarterly newsletter (‘NM AIDS Research & Therapeutics’) summarizing current HIV research findings relevant to clinical practice and distributed free of charge to HIV clinicians and informed consumers throughout New Mexico until funding support ended in 2000. I have also served on the editorial board of the UNMHSC patient education newsletter (‘HealthSmart’) since its inception in 1990.

Research

My research activities have been focused on implementation of sponsored, multicenter HIV clinical trials.

In 1994, I was awarded a 5-year NIH grant to develop a network of HIV clinical research sites based in primary care sites throughout New Mexico. Research was conducted as one of 16 units comprising an NIH-funded multicenter HIV clinical trials group called the Terry Beirn Community Programs for Clinical Research on AIDS (‘CPCRA’). As Principal Investigator of the New Mexico unit (‘Partners in Research/New Mexico’), I was responsible for designing, implementing, and supervising the operation of a geographically dispersed, multisite network. This involved the development of multiple subcontracts, systematic regulatory oversight, a complex data collection and reporting system, and rigorous internal quality assurance procedures. Overall, fourteen Phase II and III studies were successfully implemented through this network.

Since 1992, I have been Principal Investigator of twelve industry-sponsored HIV clinical trials, including a number of ‘expanded access’ protocols designed to enhance early access to new potentially life-saving medications by HIV-infected patients prior to FDA approval.

Participation in multicenter HIV clinical trials has resulted in one peer-reviewed publication (first author), two abstracts, and six publications of studies in which I made a significant contribution but was not included as an author.

Mentoring

From 1994-1996, I served as a liaison between the HIV program and the Ted R. Montoya Hemophilia Clinic. In that capacity, I attended monthly clinics in which HIV-infected hemophilic patients (children, adolescents, young adults) were seen by faculty clinicians and provided on-site case consultation and management advice. Between clinics, I served as telephone consultant to the clinic’s two hematologists, John Gribble, MD and Kenneth Friedman, MD.

In 1997, I served as research mentor for a senior UNM medical student, Melania Yeats. Her project, “Patterns of Emergency Department Utilization Among Patients of an HIV Clinic Providing Walk-In Services”, was successfully completed and submitted as an abstract to the 1998 UNM Student Research Day event.

Beginning in 1998, I began an on-going mentorship role with the Pediatric Infectious Diseases specialist (Sheila Hickey, MD) who had assumed supervision of all HIV-infected children followed through UNMHSC. In that role, I guide her in the management of antiretroviral therapy for her patients I meet with her regularly to review cases, assist her in the interpretation of viral resistance data, and suggest therapeutic options. In 2001, I successfully obtained funding (US DHHS, HRSA) to support her and her nurse’s salary, develop a family-

centered case management program through NM AIDS Services and thereby facilitate integration of the Pediatric HIV clinic into the UNMHSC HIV program. This has resulted in a significant expansion of services available to her patients and their families. Through supervision of this program, I continue to provide her a multidisciplinary context in which Pediatric HIV care is offered.

In 2003, I assisted two Infectious Diseases faculty members (Elaine Thomas, MD, Karla Thornton, MD) in the conceptual development of a proposal to investigate a model of HIV prevention among people already infected. This ‘prevention for positives’ approach has recently been designated a priority by the CDC and HRSA. I also served as a pre-submission reviewer for a proposal—ultimately funded—written by Dr. Thornton to investigate the effects of prior psychological trauma on health risk behavior in HIV-infected persons.

SCHOLARLY ACHIEVEMENTS

Peer-Reviewed Articles

2003 **B Williams**, G Collins, G Bartsch, N Muurahainen, S Raghavan, D Wheeler, “Protein Intake Is Positively Associated With Body Cell Mass in Weight-Stable HIV-Infected Men” Journal of Nutrition 143:1143-1146, 2003.

1999 **B Williams**, D Waters, K Parker, “Wasting Syndrome in Adults with HIV Disease” American Family Physician 60 (3):843-60, 1999.

Book Chapters

1999 **B Williams**, “Persons with HIV Disease”, chapter in D. Bennahum (ed), Managed Care and Financial, Legal, and Ethical Issues, Pilgrim Press, pgs.166-183, 1999.

1996 **B Williams**, Approach to the HIV-Positive Patient in the Outpatient, chapter in Rubin, RH, *et al* (eds), Medicine: a primary care approach, pgs. 247-253, WB Saunders:1996.

Peer-Reviewed Abstracts & Letters

11/13/02 M Murray, **B Williams**, D Harris, R Conviser, “Impact of provider adherence on quality of care guidelines for people living with HIV in New Mexico”, 130th Annual Meeting of APHA, Abstract #46383, 2002. [poster]

12/15/01 **B Williams**, “Ototoxicity may be associated with protease inhibitor therapy” Clinical Infectious Diseases 33 (12): 2100-2101, 2001. [letter]

2000 IE White, M Borok, I Gudza, B Ndemera, I Rabinowitz, **B Williams**, L Gwanzura, TB Campbell, “Prevalence of KSHV DNA in the plasma of HIV-infected men”, 3rd International KSHV Workshop, July 6-10, 2000, [poster].

1998 S Raghavan, L Grant, G Bartsch, M Thompson, **B Williams**, N Mateo, W El-Sadr, “Change in log₁₀ HIV RNA & Protease Inhibitor Use Associated With Weight Change in HIV+ Men in a National Clinical Trial”, 12th World AIDS Conference, June 28-July 3, 1998, Abstract #32180 [poster].

1998 C Gilbert, N Muurahainen, G Collins, **B Williams**, S Raghaven, G Bartsch, D Wheeler, “Body Composition in HIV-Infected Men and Women in 1996-1997 (CPCRA 038),” 12th World AIDS Conference, June 28-July 3, 1998, Abstract #32169 [poster].

- 1998 **SB Williams**, G Collins, N Muurahainan, G Bartsch, S Mannheimer, S Raghavan, D Wheeler, C Gilbert, "Protein Intake Is Associated With Body Cell Mass in Weight-Stable HIV+ Men with CD4<200 Cells/mm³", 12th World AIDS Conference, June 28-July 3, 1998, Abstract #42339 [poster].
- 1998 M Myers, A Walker, G Collins, G Bartsch, C Launer, **B Williams**, "Muscle Building Activity Questionnaire as a Predictor of Body Composition" American College of Sports Medicine 45th Annual Meeting [oral].
- 1997 C Gibert, G Collins, N Muurahainan, S Raghavan, D Wheeler, **B Williams**, M Madans, G. Bartsch, Body Composition and Frequency of Muscle Building Activities in HIV Infected Men, 2nd International Conference on Nutrition and HIV Infection, Cannes, France. [Poster]

Peer-Reviewed Articles Reporting Studies Involving Substantial Contribution (No Direct Authorship)

- 2002 DI Abrams, JD Bechuck, ET Denning, RT Davey, L Fox, HC Lane, J Sampson, R Verheggen, D Zeh, NP Markowitz, "Randomized Open-Label Study of the Impact of Two Doses of Subcutaneous Recombinant Interleukin-2 on Viral Burden in Patients with HIV-1 Infection and CD4⁺ Cell Counts of $\geq 300/\text{mm}^3$: CPCRA 059" Journal of Acquired Immune Deficiency Syndromes 29:221-231, 2002.
- 2001 EJ Fisher, K Chaloner, DL Cohn, LB Grant, B Alston, CL Brosgart, B Schmetter, WM El-Sadr, J Sampson, "The safety and efficacy of adefovir dipivoxil in patients with advanced HIV disease: a randomized, placebo-controlled trial" AIDS 15:1695-1700, 2001.
- 1999 CL Gibert, DA Wheeler, G Collins, M Madans, N Muurahainen, SS Raghavan, G Bartsch, "Randomized, Controlled Trial of Caloric Supplements in HIV Infection" Journal of Acquired Immune Deficiency Syndromes 22:253-259, 1999.
- 1999 WM El-Sadr, R Luskin-Hawk, TM Yurik, J Walker, DI Abrams, SL John, R Sherer, L Crane, A Labriola, S Caras, C Pulling, R Hafner, "A Randomized Trial of Daily and Thrice-Weekly Trimethoprim-Sulfamethoxazole for the Prevention of *Pneumocystis carinii* Pneumonia in Human Immunodeficiency Virus-Infected Persons" Clinical Infectious Diseases 29:775-83, 1999.
- 1999 DL Cohn, EJ Fisher, CT Peng, JS Hodges, J Chestnut, CC Child, B Franchino, CL Gibert, W El-Sadr, R Hafner, J Korvick, M Ropka, L Heifets, J Clotfelter, D Munroe, CR Horsburgh, Jr, "A Prospective Randomized Trial of Four Three-Drug Regimens in the Treatment of Disseminated *Mycobacterium avium* Complex Disease in AIDS Patients: Excess Mortality Associated with High-Dose Clarithromycin" Clinical Infectious Diseases 29:125-33, 1999.
- 1998 JC Shlay, K Chaloner, MB Max, B Flaws, P Reichelderfer, D Wentworth, S Hillman, B Brizz, DL Cohn, "Acupuncture and Amitriptyline for Pain Due to HIV-Related Peripheral Neuropathy: A Randomized Controlled Trial" JAMA 280 (18):1590-1595, November 11, 1998.

CURRENT GRANT AND CONTRACT FUNDING

Project Title: Ryan White Title III/HMA 1
 Principal Investigator: Bruce Williams, MD
 Percent Effort: 90%
 Funding Organization: U.S. Dept. of Health and Human Services (HRSA), Ryan White Care Act Title III
 Dates: 01/01/04 – 12/31/07 (renewable every 3 years)

Amount awarded: \$750,193/yr

Project Title: Ryan White Title IV/HMA 1
Principal Investigator: Bruce Williams, MD
Percent Effort: In-Kind
Funding Organization: U.S. Dept. of Health and Human Services (HRSA), Ryan White Care Act Title IV
Dates: 08/01/01 – 7/30/04 (renewable every 3 years)
Amount awarded: \$312,189/yr

Project Title: HIV/AIDS Health Management Alliance
Principal Investigator: Bruce Williams, MD
Percent Effort: 5%
Funding Organization: NM Dept. of Health, Infectious Diseases Bureau
Dates: 07/01/01 – 6/30/04 (renewable every 3 years)
Amount awarded: \$591,840/yr

Project Title: New Mexico AIDS Education & Training Center
Principal Investigator: Elaine Thomas, MD
Percent Effort: 5%
Dates: 7/1/03-6/30/04
Amount Awarded: \$162,000

CURRENT RESEARCH

1999- Principal Investigator, “A Phase III Multicenter Randomized Study of the Biological and Clinical Efficacy of Subcutaneous Recombinant, Human Interleukin-2 in HIV-infected Patients with Low CD4+ Counts Under Active Antiretroviral Therapy (SILCAAT)”

Source: Chiron (1999-2003); NIH (2003) Funding: \$400/pt

PAST GRANT AND CONTRACT FUNDING

Project Title: Ryan White Title III/HMA 1
Principal Investigator: Bruce Williams, MD
Percent Effort: 90%
Funding Organization: U.S. Dept. of Health and Human Services (HRSA), Ryan White Care Act Title III
Dates: 01/01/98 – 12/31/03 (renewable every 3 years)
Amount awarded: \$699,116/yr

Project Title: Terry Beirn Community Programs for Clinical Research on AIDS (CPCRA)
Principal Investigator: Bruce Williams, MD
Percent Effort: 5%
Funding Organization: National Institutes of Health
Dates: 1/1/03-12/31/03
Amount awarded: \$161,843 (IDC \$53,948)

Project Title: Terry Beirn Community Programs for Clinical Research on AIDS (CPCRA)
Principal Investigator: Bruce Williams, MD
Percent Effort: 1%
Funding Organization: National Institutes of Health
Dates: 1/1/02-12/31/02
Amount awarded: \$147,077 (IDC \$46,773)

Project Title: Terry Beirn Community Programs for Clinical Research on AIDS (CPCRA)
Principal Investigator: Bruce Williams, MD

Percent Effort: 30 %
Funding Organization: National Institutes of Health
Dates: September 29 1996 – March 31, 2000
Amount awarded: \$3,718,417
\$828,872 (indirect costs)

Project Title: Terry Beirn Community Programs for Clinical Research on AIDS (CPCRA)
Principal Investigator: Bruce Williams, MD
Percent Effort: 30 %
Funding Organization: National Institutes of Health
Dates: September 30, 1994 – September 29, 1996
Amount awarded: \$3,718,417
\$828,872 (indirect costs)

Project Title: Partners in Care
Medical Director: Bruce Williams, MD
Percent Effort: 20 %
Funding Organization: Public Health Department, Ryan White Care Act Title III
Dates: 01/01/91 – 12/31/97
Amount awarded: \$381,124/yr

PAST RESEARCH

1999-2004 Principal Investigator, “A Randomized, Open-Label, Study of the Long-Term Effectiveness of Three Initial HAART Regimens in Antiretroviral-Naïve, HIV-Infected Persons”.
Source: NIH (CPCRA)

2003 Principal Investigator, Atazanavir (BMS-232632) For HIV Infected Individuals: An Early Access Program.
Source: Bristol-Myers Squibb Funding: Expanded Access

2000-2002 Principal Investigator, A Phase III, Double-Blind, Randomized, Placebo-Controlled, Multicenter Study of the Safety and Efficacy of Tenofovir Disproxil Fumarate (Tenofovir DF) in Combination with other Antiretroviral Agents for the Treatment of HIV-1 Infected Patients.
Source: Gilead Funding: \$5,500/pt

2000-2002 Principal Investigator, A Pilot Multicenter Open Label Study to Determine the Efficacy and Safety of Serostim in HIV Patients with unintentional Weight Loss or BCM Depletion on Combination Antiretroviral Therapy with or without Protease Inhibitors. (IMP 21020, version 1.2)
Source: Serono Funding:

1997-2001 Principal Investigator, “A Randomized Trial of the Efficacy and Safety of Nelfinavir Versus Ritonavir Added to Background Antiretroviral Nucleoside Therapy in HIV-Infected Individuals With CD4+ Cell Counts $\leq 100/\text{mm}^3$ ”
Source: NIH (CPCRA)

2000-2001 Principal Investigator, Abbott ABT-378/ritonavir, Early Access Program; Protocol M99-046

	Source: Abbott	Funding: Expanded Access
2000-2001	Principal Investigator, A Randomized Controlled Substudy of SILCAAT Investigating the Effect of IL-2 on Vaccine Responsiveness in HIV-Infected Patients Immunized with Hepatitis A vaccine, Pneumococcal Vaccine and dT.	
	Source: Chiron:	Funding: \$1,200/pt
1999-2001	Principal Investigator, "Adherence Strategies Using a Medication Manager and an Electronic Medication Reminder System for HIV-Infected Patients Receiving HAART"	
	Source: NIH (CPCRA)	
1999-2001	Principal Investigator, "Metabolic Consequences of Highly Active Antiretroviral Therapy (HAART) in HIV-Positive Individuals"	
	Source: NIH (CPCRA)	
1999-2001	Principal Investigator, "A Multicenter, Randomized, Double-Blind, Placebo-Controlled, Pivotal Clinical Study Evaluating the Safety and Efficacy of WF10 (TCDO) Intravenous Solution in the Management of Patients with Late-Stage HIV Disease"	
	Source: OXO Chemie	Funding: \$8,000/pt
1998-2000	Principal Investigator, "A Randomized, Open-Label, Study of the Impact of Two Doses of Subcutaneous Recombinant IL-2 ("Proleukin) on Viral Burden and CD4+ Cell Count in Patients With HIV-1 Infection and CD4+ Cell Counts $\geq 350 \text{ mm}^3$ "	
	Source: NIH (CPCRA)	
1998-2000	Principal Investigator, "A Randomized Study of the Virologic Efficacy of Different Antiretroviral (AR) Treatment Strategies in HIV-Infected Individuals With Detectable Plasma HIV RNA Measurements After At Least 16 Weeks on their Initial protease Inhibitor-Containing AR Regimen."	
	Source: NIH (CPCRA)	
1999-2000	Principal Investigator, Amprenavir (141 W94) Open-Label Protocol for Subjects with HIV-1 Infection Who Have Experienced Treatment Failure or Are Intolerant to Previous Protease Inhibitor Therapy"	
	Source: Glaxo Wellcome	Funding: Expanded Access
1997-99	Principal Investigator, "A 1592U89 Open Label Protocol for Adult Patients with HIV-1 Infection.	
	Source: Glaxo Wellcome	Funding: \$400/enrolled pt
1997-98	Principal Investigator, "A Phase III, Randomized, Double-Blind, Placebo-Controlled Study of the Safety and Efficacy of Adefovir Dipivoxil (bis-POM PME) in Prolonging Survival of HIV-Infected Individuals With a CD ₄ + Cell Count of	

≤100/mm³"

Source: NIH (CPCRA)

1997-98 Principal Investigator, "A Pilot Study of the Short-Term Effects of Antiretroviral Management Based on Plasma Genotypic Antiretroviral Resistance Testing (GART) Compared With Antiretroviral Management Without Plasma GART"

Source: NIH (CPCRA)

1997-98 Principal Investigator, "A Randomized, Double-Blind, Placebo-Controlled Trial of Prophylaxis for Disseminated *Mycobacterium avium* Complex Disease and Bacterial Pneumonia Versus Deferred Prophylaxis in HIV-Infected Patients Who Experience Rebound in CD4+ Cell Count Due to Active Antiretroviral Therapy".

Source: NIH (CPCRA)

1996-98 Principal Investigator, "An Open-Label, Randomized, Three-Arm, Comparative Trial of a Caloric Supplement with Peptides and Medium-Chain Triglycerides Versus No Caloric Supplement With Whole Protein and Long-Chain Triglycerides Versus No Caloric Supplement for the Prevention of Weight Loss in Individuals with AIDS Who Take a Daily Multivitamin and Mineral Supplement"

Source: NIH (CPCRA)

1995-97 Principal Investigator, "The Efficacy of a Standardized Acupuncture Regimen and Amitriptyline Compared with Placebo as a Treatment for Pain Caused by Peripheral Neuropathy in HIV Infected Patients"

Source: NIH (CPCRA)

1995-97 Principal Investigator, "A Randomized Study of the Clinical Effects of Initiating or Changing Antiretroviral Therapy Based on Current Clinical Practice Alone"

Source: NIH (CPCRA)

1996 Principal Investigator, "A Placebo-Controlled Evaluation of the Effect of Chronic Testosterone Replacement Therapy (Testoderm⁷ Testosterone Transdermal System) on Lean Body Mass and Body Weight in Hypogonadal Males with AIDS"

Source: ALZA Corporation Funding: \$5,000

1995-96 Principal Investigator, "A Randomized, Comparative, Prospective Study of Daily Trimethoprim/Sulfamethoxazole (TMS) and Thrice-Weekly TMS for Prophylaxis Against PCP in HIV-infected Patient"

Source: NIH (CPCRA)

1995 Principal Investigator, "An Open-Label, Randomized Trial of Four Treatment Regimens for Patients With Disseminated *Mycobacterium avium* Complex Disease and Acquired Immunodeficiency Syndrome (AIDS)"

Source: NIH (CPCRA)

1993 Principal Investigator, "A Randomized Blinded Evaluation of Two Doses of

Stavudine (2'3'-didehydro-3'-deoxythymidine, d4T) to Make Treatment Available to Severely Immunocompromised Patients With HIV Infection Who Have Failed or Are Intolerant of Alternative Antiretroviral Therapy”

Source: Bristol Myers Squibb Funding: Expanded Access Program

1992 Principal Investigator, “A Treatment IND For 566C80 Therapy for Pneumocystis Carinii Pneumonia”

Source: Burroughs Wellcome Funding: Expanded Access Program

TEACHING/EDUCATION

Undergraduate medical student mentoring

2/18/04	Lecturer
2/17/03	“HIV Disease” Phase I (transition) UNM School of Medicine
2002	Tutor Phase II Tutorial Dept. of Internal Medicine UNM School of Medicine
2000-Present	Preceptor, Continuity Clinic Phase I UNM School of Medicine
2001	Tutor Neoplasia Phase I Block UNM School of Medicine
2000	Tutor Infectious Diseases/Neoplasia Phase I Block UNM School of Medicine
2000	Preceptor, Continuity Clinic Phase I UNM School of Medicine
1991-1998	Course Director “Ambulatory Care of HIV Patients” 4th Year Elective UNM School of Medicine
1995-1996	Preceptor, Continuity Clinic Phase I UNM School of Medicine
1995-1996	Liaison, Population Task Force/Infectious Disease Phase I Block UNM School of Medicine
1992-1993	“Community Response to HIV Disease” 2nd Year Elective UNM School of Medicine

1991 Clinical Science Preceptor
2nd Year Block
UNM School of Medicine

1991 Mentor, Association of Teachers of Preventive Medicine

1991 Preceptor, Clinical Skills Elective
1st Year Elective
UNM School of Medicine

1991 Preceptor, Primary Care and Its Social Dimensions
1st Year Seminar
UNM School of Medicine

Resident teaching and mentoring

1998-Present Preceptor
Outpatient ID Elective Rotation
UNM School of Medicine

1991-1998 Course Director
“Ambulatory Care of HIV Patients”
Outpatient ID Elective Rotation
UNM School of Medicine

1993-1997 Co-Director, Family Practice HIV Program
Longitudinal Residency HIV Curriculum
Department of Family & Community Medicine
UNM School of Medicine

Teaching Faculty, Residents, Students

5/24/01 “Metabolic and Morphologic Abnormalities in HIV Disease”
Grand Rounds
Dept. of Internal Medicine
University of New Mexico Health Sciences Center
Albuquerque, NM

3/8/01 “Update from the 8th Conference on Retroviruses and Opportunistic
Infections: Metabolic and Morphologic Abnormalities in HIV Disease”
Sponsors: Bristol Myers Squibb Distinguished Faculty in HIV
NM AIDS Education and Training Center
Albuquerque, NM

4/27/00 “Options in Unsuccessful Antiretroviral Therapy: HIV Clinical Trials at the
University of New Mexico”
ID Didactic Conference
UNM School of Medicine

2/11/00 “Diarrhea, Fever, and Weight Loss in an AIDS Patient”
CPC
UNM School of Medicine

12/7/99 “Quality Assurance in Primary HIV Care: The New Mexico Experience”
ID Research Conference
UNM School of Medicine

Faculty Mentoring

1998-Present Consultant, Pediatric HIV Program
UNM Health Sciences Center

1994-1996 Liaison, Ted Montoya Hemophilia Center
UNM School of Medicine

Community

1998-present Ryan White/HMA 1 Medical Director
1:1 CME on various topics concerning primary HIV care with community
physicians in their practices throughout New Mexico

Other teaching and mentoring activities

1993-1994 “Perspectives in Medicine”
Longitudinal Required Courses
UNM School of Medicine

1992-1993 “Seminar for Professional Responsibility”
3rd Year Block
UNM School of Medicine

SERVICE**Administrative Duties**

2003-Present Medical Director
Health Management Alliance, District 1
Truman Street Health Services Clinic
UNM Health Sciences Center

2001-2003 Co-Medical Director
Ryan White/HMA 1
UNM Health Sciences Center

1991-2000 Medical Director
Partners in Care/Ryan White Title III HIV Early Intervention Program
University Hospital
Albuquerque, NM

Present Patient Care Activities

1990-Present Primary Care Physician, HIV Clinic (0.5 FTE)
Scheduled: Four 0.5 day sessions/week
Walk-in Avg. four 0.5 day sessions/week

1990-2003 Primary Care Physician, Family Practice Center
Scheduled: One 0.5 day sessions/week

Past Patient Care Activities

1997-1998 Attending, Inpatient Internal Medicine Service

1998 Attending, Inpatient Family Practice Service