

Victor M. Cardenas, M.D., M.P.H., Ph.D.

(915)-747-8503 (w)

E-mail: Victor.Cardenas@uth.tmc.edu

Current Position

Assistant Professor, Division of Epidemiology
University of Texas- Houston School of Public Health, El Paso campus

1. Background

a. Education and Training

Doctor of Philosophy (Epidemiology) <i>Emory University Rollins School of Public Health</i>	1990-1995 <i>Atlanta, Georgia</i>
M.P.H. (Epidemiology) <i>Emory University Rollins School of Public Health</i>	1989-1990 <i>Atlanta, Georgia</i>
Residence in Epidemiology (Field Epidemiology Training Program) <i>School of Public Health of Mexico and Centers for Disease Control and Prevention</i>	1985-1985 <i>Mexico City</i>
Specialty in Epidemiology of Communicable Diseases <i>School of Public Health of Mexico</i>	1981 <i>Mexico City</i>
Medical Doctor <i>School of Medicine, National University</i>	1972-1978 <i>Mexico City</i>

b. Honors and Awards

- 2006: Fellow, American College of Epidemiology
- 2002: EPO Award for Distinguished Service
Planning and implementing the Central American and Hispaniola FETP
- 2000: EPO Honor Awards in International Health
Awarded for extraordinary efforts in planning and implementing new international health system projects.
- 1996: First International Recipient of the Colombia Ministry of Health Honors Medal
Maestro Cesar Uribe Piedrahita
For establishing the Colombian FETP
- 1996: Honorary Diploma Colombian National Institute of Legal Medicine and Forensic Science
For contributions to the creation of the National Injury Surveillance System
- 1994: 42nd Annual CDC and ATSDR International Health Group Award.

Awarded for establishing the Colombian FETP

1989: Kellogg Foundation International Fellow

1989: Recipient of John Snow Award

Field investigation of outbreak of pertussis awarded during the 1989 EIS Conference International Night

c. Professional Experience

Assistant Professor of Epidemiology 2001-Present
 UT School of Public Health, El Paso Regional
 Campus

Current projects, responsibilities and achievements

Teach the core MPH courses Required courses for Epidemiology Majors
 Plan, conduct and analyze epidemiologic research projects

Prepared successful grant proposals

Prepared reports and scientific papers

Advised Master in Public Health and Doctoral students to complete their thesis/dissertation requirement.

Executive Director of TEPHINET Inc. 1999-2001

Assistant Professor of Epidemiology

UT-H School of Public Health, El Paso Campus

Under inter-governmental personnel agreement between CDC and UT-H SPH

Division of International Health/Epidemiology Program Office/CDC

Projects, responsibilities and achievements

Supervised and directed the development of a network of training programs in Applied Epidemiology

Obtained status as tax-exempt non-governmental and private voluntary organization

Obtained commitment for multi-year donation from USAID to start-up the Network

Resident Consultant to the Colombian NIH Field Epidemiology 1994-1996

Training Program (Colombian FETP), Field Services- Epidemiology

Program Office, Centers for Disease Control and Prevention

Projects, responsibilities and achievements

First FETP graduate to serve as resident consultant to assist in establishing a new FETP

Carried out didactic training and hands-on training while conducting several field investigations and designed, operated and evaluated public health surveillance systems.

Medical Epidemiologist 1982-1989

Division of Epidemiology, Secretariat of Health, Mexico City, Mexico

Projects, responsibilities and achievements

Conducted several field outbreak investigations, including that of the last outbreak of poliomyelitis reported in Mexico

Occupational Health Researcher Directorate of Occupational Health, Mexico's Ministry of Labor	1979-1980
Occupational Health Researcher and Plant doctor, Department of Preventive Medicine, School of Medicine. National University. Du Pont de Nemours Paint and Pesticides Manufacturing Plant.	1977-1978

2. Research Experience

a. Publications (trainees/student names underlined)

Peer-Reviewed Journals

1. **Cardenas VM**, Dominguez DC, Puentes FA, Aragaki CC, Goodman KJ, Graham DY, Fukuda Y: Evaluation of a Novel Stool Native Catalase Antigen Test for *Helicobacter pylori* Infection in Asymptomatic North American Children [Accepted for publication Journal of Pediatric Gastroenterology and Nutrition]
2. Escobedo LG and **Cardenas VM**: Utilization and Purchase of Medical Care Services in Mexico by US Residents. Pan American J Pub Hlth 2006; 19:300-305.
3. Graham DY, Nurgalieva ZZ, El-Zimaity HMT, Opekun AO, Campos A, Guerrero L, Chavez A, **Cardenas V**: Noninvasive vs. Histologic detection of gastric atrophy an Hispanic population in North America. Clinical Gastroenterology and Hepatology 2006; 4: 306-314.
4. **Cardenas V**, Graham DY, El-Zimaity HMT, Opekun AO, Campos A, Chavez A, Guerrero L: Rabeprazole containing triple therapy to eradicate *Helicobacter pylori* Infection on the Texas-Mexican border. Alimentary Pharmacology & Therapeutics 2006; 23: 295-301.
5. **Cardenas VM**, Mulla ZM, Ortiz M, Graham DY: Iron Deficiency and *Helicobacter* infection in the United States Am J Epidemiol 2006;163(2):127-34.
6. Navarro Nunez C, Venegas Ochoa U, Navarro Solares JC, Corbala Solares J, **Cardenas VM**, Campos A. :Overweight and obesity among health-professional women. Ginecol Obstet Mex. 2005; 73(8):401-6.
7. **Cardenas V**, Graham DY: Smoking and *Helicobacter pylori* infection in the 1999-2000 National Health and Nutritional Examination Survey. Epidemiology 2005; 16: 586-90.
8. Cruz L, **Cardenas VM**, Abarca M, Rodriguez T, Fontaine RE, Beasley D, et al. Serological evidence of West Nile Virus activity in El Salvador *Am. J. Trop. Med. Hyg.* 2005; 72:612-615.
9. Camacho T, de la Hoz F, **Cardenas V**, Sanchez C, de Calderon L, Perez L, Bermudez A: Incomplete surveillance of a dengue-2 epidemic in Ibaguè, Colombia, 1995-1997. Biomedica. 2004; 24:174-82.
10. Redlinger TE, Corella-Barud V, Graham J, Galindo A, Avitia R, **Cardenas V**: Hyperendemic *Cryptosporidium* and *Giardia* in Households Lacking Municipal Sewer and Water on the United States-Mexico Border. *Am J. Trop. Med. Hyg.* 2002; 66: 794-798.
11. **Cardenas VM**, Roces MC, Wattanasri S, Martinez-Navarro F, Tshimanga M, Al-Hamdan N, and Jara JH: Improving Global Public Health Leadership Through

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- In-Service Competency-Based Training in Epidemiology and Public Health: The Experience of TEPHINET Programs. *AJPH* 2002; 92: 196-197.
12. White ME, McDonnell S, Werker D, **Cardenas V**, and Thacker SB: Partnerships in International Applied Epidemiology Training and Service, 1975–2001 *AJE* 2001;154: 993-999.
 13. Green D, Vanderslice J, Byrd TL, **Cardenas V**. Use of local BRFSS data in the development of health promotion programs. *Journal of Health Promotion Practice* 2002; 3:457-462.
 14. Byrd TL, **Cardenas V**, Pauli A. Self-reported use of cervical cancer screening among Hispanic women of two US-Mexico border counties. *Journal of Women's Cancer* 2001; 3(2):49-55.
 15. Ramirez O, **Cardenas V**, Peña G, Galindo-Toro L, Lozano JM: Identification of an association between the use of cocaine free base or “basuco” by pregnant women and intrauterine growth restriction of the live newborns in two third level hospitals in Bogota, DC, Colombia. *Biomedica* 2000, 20 (4): 289-99.
 16. **Cardenas V**, Sanchez C. De la Hoz F. Jara JH. Velandia M. Martinez M. Raad J. Columbian field epidemiology training program. *AJPH* 1998; 88:1404-5.
 17. Rivas F, Diaz LA, **Cardenas-Ayala VM**, Daza E, Bruzon L, Alcalá A, De la Hoz O, Caceres FM, Aristizabal G, Martinez JW, Revello D, De la Hoz F, Boshell J, Camacho T, Olano VA, Villarreal LI, Rosselli D, Alvarez G, Ludwig G, Tsai TF: Epidemic Venezuelan equine encephalitis in La Guajira, Colombia, 1995. *JID* 1997; 175: 828-32.
 - 1.8 **Cárdenas-Ayala VM**, Austin H, Thun MJ, Lally C, Clark SW, Greenberg RS, and Heath CW: Environmental tobacco smoke and lung cancer risk in seven-years of follow-up of the American Cancer Society Cancer Prevention Study II cohort. *Cancer Causes and Control* 1997; 8: 57-64.
 19. Guzman MC, Suarez G, Alandette JC, Rodriguez R, Riberos I, Heredia P, Sanchez C, **Cardenas V**: Outbreak of cardiorespiratory arrests after inadvertent use of pancuronium bromide in an intensive nursery unit (in Spanish). *Bol Epid de Antioquia* 1996; 21: 53-60.
 20. Fridkin S, Velandia M, Cardenas V, Bland L, Iglesias A, Boshell J, Jarvis W: Human-Immunodeficiency-Virus (Hiv) Transmission In A Developing-Country Dialysis Center (Dc) *Journal Of The American Society Of Nephrology* 1994; 5: 447-447.
 21. Velandia MP, Fridkin SK, **Cárdenas-Ayala VM**, Boshell J, Iglesias A, Blont L and Jarvis W: HIV transmission in a hemodialysis unit. *Lancet* 1995; 345: 1417-22.
 22. **Cárdenas-Ayala VM**, Gatica-Valdez N, Smith Terrence E, Nuñez-Urquiza RM, Escobar A, and Brogan DR: Neonatal tetanus mortality in Veracruz. *Bull PAHO* 1995; 29 (2): 116-128. Also published in *Bol Of Sanit Panam* 1995; 119: 305-318.
 23. De la Hoz F, **Cárdenas-Ayala VM**, et al.: Brote de tosferina en Jordán, Santander. *Pediatría* 1994; 29: 217-221.
 24. **Cárdenas-Ayala VM**, Saad C, Varona M, Linero M: Waterborne cholera in Riohacha, Colombia, 1992. *Bull PAHO* 1993; 27: 313-330..
 25. Flanders WD, **Cárdenas VM**, Austin H: Confounding by time since hire in internal comparisons of cumulative exposure in occupational cohort studies. *Epidemiology* 1993; 4: 336-341.
 26. **Cárdenas-Ayala VM**, Koopman JS, Garrido-Latorre F, Bazúa LF and Ibarra-Rosales, Alagón J and Stetler, HC.: Protective effect of antibiotics on mortality

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- from acute respiratory infections. *Bull PAHO* 1992; 26 (2): 109-120. Also published in *Bol. Of. Sanit. Panam.* 1993; 114: 202-212..
27. Borges G, Natera G, Garrido F, **Cárdenas V**, Ibarra J, Pelcastre B: El consumo de bebidas alcohólicas y la conducta violenta en Naucalpan de Juárez, Estado de México. *Ann Ins Mex Psiquiatría*, 1991; 143-152.
 28. Garrido F, Borgues GG, **Cárdenas VM**, Ibarra JM, Borgues GG: Postneonatal mortality from diarrheal diseases: a case-control study. *Sal Púb Méx* 1990; 32: 261-268.
 29. Stern C, Nuñez RM, Tolbert K, **Cárdenas VM**, Goodwin M : Changing conditions of child survival in México and strategies for the future. *Sal Púb Méx* 1990; 32: 532-542.
 30. **Cárdenas-Ayala VM** and Sánchez, C: Social impact of measles vaccination programs in Mexico. *Bol. Méd Hosp Infantil (México)* 1990; 47: 500-505.
 31. **Cárdenas-Ayala VM**, Ruiz-Matus C, Montesano-Castellanos R, Cabrera-Coello L, Garrido-Lozada T, Olvera-Castillo, R and Diaz-Ortega JL: Cost-benefit analysis of measles vaccination program in Mexico. *Sal Púb Méx* 1989; 31: 735-44.
 32. **Cárdenas-Ayala VM**, Bernal-Pérez J, Stetler HC, Guerrero-Reyes P: Tuberculin skin surveys in Guerrero and new estimates for tuberculous infection frequency in Mexico. *Sal Púb Méx* 1988; 30: 152-157.
 33. **Cárdenas-Ayala VM**, Vilchis-Licón H, Stetler Harrison C, Koopman James S, Cabrera-Coello L, Valdespino-Gómez JL, Vega G and Muro Amador M: Risk factors for wild poliovirus transmission in Sinaloa, Mexico, 1984-1986. *Bol Of Sanit Panam* 1988; 105: 1-12. English version of the same paper in: *PAHO Bull* 1988 22: 227-239. Also reprinted in *Infectología* 1988; 8: 571-580.
 34. Ruiz-Matus C, Koopman J S, **Cárdenas-Ayala VM**, Herrera-Bastos E and Hinojosa-Martínez M: Diarrhoeal disease after the 1985 earthquakes in Mexico City. *Sal Púb Méx* 1987; 29: 399-405.
 35. Díaz-Ortega JL, Valdespino-Gómez JL, Zárate-Aquino ML, Ruiz-Matus C, **Cárdenas-Ayala, VM** and Solache G: Sero-immune response to measles vaccine in children 8 -18 months of age. *Bol Méd Hosp Infant (Méx)* 1986; 43: 526-532.
 36. **Cárdenas-Ayala, VM**, Montesano-Castellanos R, Morales-Marín R, Villegas-Espinosa A, and Flores-Salinas, E: Prevalence and incidence estimates of paralytic poliomyelitis by means of lamness surveys in Tecomán, Colima. *Sal Púb Méx* 1985, 27: 52-59.

Articles Submitted for Publication

1. **Cardenas VM**, Mulla ZM, Jaime J, Magaña JC: Irrigation Canals and the Occurrence of West Nile Virus in El Paso, Texas, 2003-2004 [Revised version-submitted *Annals of Epidemiology*]
2. **Cardenas VM**, El-Zimaity H, Nurgalieva ZZ, Opekun AR, Campos A, Guerrero L, Chavez A, Gram. DY: Prevalence and Determinants of Atrophic Gastritis in the US-Mexico border [Submitted *Cancer Epidemiology Biomarkers and Prevention*]

Public Health Surveillance Bulletins

Authored 45 investigations reported in public health surveillance bulletins including MMWR (4, below) as well as Colombian and Mexican national public health surveillance bulletins.

1. Update: Outbreak of acute febrile illness among athletes participating in Eco-

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- Challenge-Sabah 2000 - Borneo, Malaysia, 2000 *MMWR*, 2000; 50: 21-24.
 2. Espitia VE, Concha A, Guerrero R, Sánchez C, and Cárdenas VM: Patterns of homicide in Cali, 1992-1993. *MMWR* 1995; 44 (39): 734-737.
 3. Daza E, Frías V, Alcalá A et al.: Venezuelan Equine Encephalitis- Colombia, 1995. *MMWR* 1995; 44 (39): 721-724.
 4. Velandia M, Boshell J, Iglesias A: HIV Transmission in a Dialysis Center -- Colombia, 1991-1993. *MMWR* 1995; 44 (21): 404-405, 411-412.

Letters

1. Letter: Re: Mathematical modeling and attempts to eliminate measles: a tribute to the late Professor George MacDonald. *AJE* 1992; 135: 328-329.
2. Cardenas VM. Thomas HL. Risk factors for mortality from acute lower respiratory tract infections (ALRI) in young Gambian children. *IJE*. 1995; 24(3):648.
3. Cardenas VM: Reply: Broadening the Focus of Epidemiology and Public Health Training. *AJPH* 2002; 92 (11): 1706-1707.
4. Cardenas VM: Dangers to Pedestrians at Crosswalks. *JAMA* 2003; 289 (10): 1244-1245.
5. Cardenas VM, Ortiz M, Graham DY: *Helicobacter pylori* eradication and its effect on iron stores: A reappraisal. *JID* 2006; 194: 714.

b. Research Funding Support

Active

1. Thrasher Research Fund: Randomized field intervention trial of *H. pylori* eradication to reduce iron deficiency among children in El Paso, Texas. \$364,759. 10% Role: PI and Field Director. 2006-2008
2. 5R24MD001785-02 (L Schulz, PI) 2005-2008
Can Promotoras change clinical outcomes for chronic disease in El Paso Texas? NIH NCMHHD. \$1,471,602
10% Role: Co-I and Field Director

Past

1. NIH 3R01DK053664-06A1S1 (C Aragaki, PI) 2003- 2006
Pasitos Cohort Study. NIH NIDDK \$1,240,240. 10% Co-I and Field Director

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| 2. | CBHR: Paso del Norte Gastro-Intestinal Illness Study.
\$74,582. 5% Role: Co-PI Field Director | 2004- 2006 |
| 3. | BioHit Plc. and Janssen Plc. Support through BCM Dr. David Graham, to conduct cross-sectional study and rabeprazole-based triple therapy eradication study,
\$18,134. Role: PI. | 2004-2005 |
| 4. | USPHS Centers for Disease Control and Prevention.
Support to conduct a cohort study of pregnant women infected with VEE, La Guajira, Colombia, 1995-1996
\$5,600. Role: PI. | 1995-1996 |
| 5. | UNICEF, PAHO, Miguel Aleman Foundation. Support to conduct a neonatal mortality survey in Veracruz, Mexico.
\$15,000. Role: PI. | 1988-1989 |
| 6. | Population Council. Case-Control Study of Infant Mortality in Naucalpan and Tlaxcala.
\$25,000. Role: PI. | 1986-1988 |

3. Service

a. Expertise

Editorial Boards and Referee

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- Reviewer, Epidemiology and Infection, 2007 -present
 - Reviewer, Helicobacter, Houston, 2003- present
 - Reviewer, Pan American Journal of Public Health, Washington. 2002
 - Reviewer, Epidemiology – 2005 - present
 - Editorial Board member, Biomédica, Colombia National Institute of Health, 1999- present
 - Reviewer, International Journal of Epidemiology – 1997- present
 - Reviewer, American Journal of Public Health – 1997- present

b. To the Institutions

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- Board member, (Mexican) National Institute of Public Health 1988-1989
present
 - Member, Academic Affairs Committee, UT-SPH, 1997-1998

Member, Admissions Committee, UT-SPH, 2001-2003
 Member, Assistant Dean Search Committee, UT-SPH, 2001-2002
 Member, Regional Dean Search Committee, UT-SPH, 2004-2005
 Member, Committee for the Future of Public Health Education in El Paso, UT-SPH/UTEP, 2004 – present
 Member, Faculty Search Committee, UT – SPH, 2006 – present

c. Public Health Practice

Member, the United States-Mexico Border Health Commission's Technical Review Committee for the Early Warning Infectious Disease Surveillance Project	2004-2005
Consultant for CDC to support the FETP of El Salvador	2002-2003
Consultant for CDC for the development of a curriculum for FETP in Guatemala, Guatemala	October 2000
Consultant for the Pan American Health Organization to collaborate with the Ministry of Health of El Salvador during the re-emergence of cholera in El Salvador	Feb-Mar 2000
Consultant for the CDC to assess the feasibility of the second phase of the Peruvian FETP, Perú, Lima	Feb 1997
Consultant for PAHO to assess the feasibility of the second phase of a field FETP, Sucre, Bolivia	May 1996
Consultant for PAHO to assess the feasibility of the second phase of a FETP, Santo Domingo	Jan 1996
Consultant for CDC to assess the feasibility of the second phase of a FETP Guatemala, Guatemala	Sept 1994
Consultant for CDC to assess the feasibility of the second phase of a field epidemiology training program in Colombia, Bogotá and Riohacha	Oct-Nov 1992
Consultant for Plan International to evaluate child survival intervention programs in Bolivia and the Dominican Republic	Sept 1992 & Sept 1993
Consultant for the Pan American Health Organization to assess the feasibility of a survey among displaced persons in Central America, San José, Costa Rica	Jul 1986

4. Teaching

a. Classes

2006	Epidemiologic Proposal Development UT-SPH IATV 2720 (Houston) and PHEP 2720 El Paso , Summer, 70% responsibility, Lead Instructor (team-class)
2005	Introduction to Epidemiology, UT-SPH El Paso PHEP 2610

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- 2005 Fall, 80% responsibility, Lead Instructor
Epidemiologic Proposal Development UT-SPH IATV 2720 (Houston)
 and **PHEP 2720**, Summer, 70% responsibility, Lead Instructor (team-class)
- 2005 **2998-110: Rapid Assessment Methods in Public Health (Houston-face-to-face)** 5% responsibility, Guest lecturer
- 2005 **Advanced Epidemiologic Methods I, UT-SPH El Paso, PHEP 2710**, Spring, 20% responsibility, co-Instructor
- 2005 **Case-Control and Cohort Studies**, Diploma in Clinical Epidemiology and Research. Fundación Valle de Lili. Cali, Colombia (2-day workshop). Instructor
- 2005 **Introduction to Research Methods.** Texas Tech University School of Medicine, El Paso Regional Campus (2 4-hour sessions). Guest Lecturer
- 2004 **Introduction to Epidemiology, UT-SPH El Paso PHEP 2610**
 Fall, 80% responsibility, Lead Instructor
- 2004 **Epidemiologic Proposal Development, UT-SPH PHEP 2720 El Paso**, Summer, 70% responsibility, Lead Instructor (team-class)
- 2004 **Advanced Epidemiologic Methods I, UT-SPH El Paso, PHEP 2710**, Spring, 20% responsibility, co-Instructor
- 2003 **Introduction to Epidemiology, UT-SPH El Paso PHEP 2610**
 Fall, 80% responsibility, Lead Instructor
- 2003 **Injury Epidemiology, PHEP 2998 UT-SPH El Paso**, Fall, 100% Responsibility, 1 cr. hour elective for majors in Epidemiology, Instructor
- 2003 **Field Research Methods in Epidemiology, UT-SPH PHEP 2615**, Fall, 100% responsibility, 4 cr. hour core for Epidemiology majors. Instructor
- 2003 **Epidemiologic Proposal Development UT-SPH PHEP 2720 El Paso**, Summer, 70% responsibility, Lead Instructor (team-class)
- 2003 **Advanced Epidemiologic Methods I, UT-SPH El Paso, PHEP 2710**, Spring, 20% responsibility, co-Instructor
- 2002 **Introduction to Epidemiology, UT-SPH El Paso PHEP 2610**
 Fall, 100% responsibility, Instructor
- 2002 **Introduction to Epi-Info**, Texas Department of Health, Austin, Instructor
- 2002 **Introduction to Epi-Info, UT-SPH PHEP 2998**, El Paso, Fall 1 cr. hour class as companion of Intro to Epidemiology, Instructor
- 2002 **Modernization of Public Health Surveillance**, Ministry of Health's Division of Epidemiology, Lima, Peru, One-week class May 13-17, Instructor
- 2002 **Introduction to Research Methods PHEP 2998** UT-Houston SPH El Paso taught in Ciudad Juarez University, and attended by 3 UT-SPH students. Spring, 100% responsibility, Instructor
- 2001 **Introduction to Epidemiology, UT-SPH El Paso PHEP 2610**
 Fall, 100% responsibility, Lead Instructor
- 2001 **Intermediate Epidemiology Course –Logistic regression and time-series analysis**, FETP Central America and the Caribbean, Heredia, Costa Rica, One-week course, September, Guest Lecturer.
- 2001 **Public Health Surveillance** Ministry of Health Argentina and VIGI+A Project, Buenos Aires, One-week Workshop, Instructor
- 2000 **Introductory Course**, FETP Central America and the Caribbean, Managua, Guest lecturer
- 2000 **Field Epidemiology and Public Health Surveillance Introductory**

1999	Course , Ministry of Health of Chile, Santiago, One-week class, Instructor Cholera Epidemics Detection and Control Course , Ministry of Health of El Salvador, San Salvador, Instructor
1998	HIV/AIDS Surveillance , BEST Compañeros, Urique, Chihuahua, Mexico, Instructor
1998	Injury Surveillance and Prevention, UT-Houston SPH El Paso (Continuing Education One-Week Workshop), Instructor
1998	Public Health Surveillance, UT-SPH El Paso PHEP 2998 , Summer, 100% responsibility, Instructor
1998	Chronic Disease and Injury Epidemiology, UT- SPH PHEP 2998 El Paso, Spring, 100% responsibility.
1998	Epidemiology and Control of Infectious Diseases, UT –Houston SPH El Paso IATV 2730 , 10% responsibility. Co-Instructor, Spring
1994-1998	Basic and Intermediate Epidemiology 2-week Courses, Colombian NIH, Bogotá. Instructor
1995-1996	Public Health Surveillance Course , Specialty in Epidemiology Program, Rosario University, Bogotá, Instructor
1994-1995	Field Epidemiology and Basic Epidemiology Methods Courses , Javeriana University, Bogotá, Instructor
1993	Epidemiology Methods II , Emory University SPH, Teaching Assistant.
1990	Bolivian Epidemiology Workshop, Emory University SPH, Lecturer
1987-1989	Epidemiology and Infectious Disease Epidemiology , School of Public Health of Mexico, Instructor
1985-1986	Occupational Epidemiology . Master in Sciences in Public Health. Department of Preventive Medicine, School of Medicine National Autonomous University of Mexico, Instructor

b. Students' Thesis

1998	Bettina Nazemi , The association of Self-Reported Diabetes with Body Mass in El Paso County, BRFSS, 1996
1999	Rocio Valadez , Evaluation of Sentinel Active Dengue Surveillance and Validity of a Rapid Test for Dengue in Ibaguè, Colombia
2000	Loretta Morales , Evaluation of the Paso a Paso Diabetes Education Program of San Vicente Clinic in El Paso, 1998
2003	Lynn McNicol , Association Of Diabetes, Tuberculosis, And Latent Tuberculosis Infection in the National Health And Nutrition Examination Survey, 1999-2000
2004	Shelby Blackmon , Limitations in Activities of Daily Living among older adults in the National Health And Nutrition Examination Survey, 1999-2000 (Epidemiology Major)
2004	Thelma Carrillo , Associations of El Paso County Mortality From 1990-2001 to Education and other Census Tract Characteristics (Epidemiology Major)
2005	Harry Duran , Automotive Crashes in El Paso, Texas: Seatbelt Use And Risk Factors That Affect Outcome Severity (Epidemiology Major)
2005	Antonio Serna , Gastric Cancer Disparities among Hispanics in the Surveillance, Epidemiology, and End Results 1973-2000 Dataset

c. Students' Dissertation

2005 **Casey Barton**, Population-Based Cross Sectional Survey of Intestinal Helminth Infections with a Focus on Taeniasis among residents of El Paso, Texas and Ciudad Juarez, Mexico (**Committee member**)