

## CURRICULUM VITAE

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**Name** **Hector Lemus**  
**Current Title** Lecturer  
Division of Epidemiology and Biostatistics  
Graduate School of Public Health  
San Diego State University  
5500 Campanile Drive  
San Diego, CA 92182-4162  
619-356-0747  
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### Education

- Dr.PH 2006 University of California, Los Angeles  
Major: Biostatistics  
Dissertation: Bayesian State Space Modeling of Heterogeneous Multivariate Longitudinal Data  
Dissertation Advisor: W. John Boscardin, Ph.D.  
Academic Advisor: Abdelmonem A. Afifi, Ph.D.
- M.S. 2000 University of California, Los Angeles  
Major: Biostatistics  
Thesis: Reducing the Progression of Diabetic Retinopathy with a Low-Fat Diet  
Thesis Advisor: Weng Kee Wong, Ph. D.
- M.S. 1999 California State University, Long Beach  
Major: Applied Mathematics
- B.S. 1997 California State Polytechnic University, Pomona  
Major: Mathematics

### Professional Experience

- 2015-present Lecturer, Division of Epidemiology and Biostatistics, School of Public Health, SDSU
- 2013-2016 Senior Biostatistician, Department of Military Population Health, Naval Health Research Center and Henry Jackson Foundation
- 2007-2015 Assistant Professor, Division of Epidemiology and Biostatistics, Graduate School of Public Health, SDSU
- Statistician, SDSU San Diego Prevention Research Center
  - Statistician, SDSU Center for Alcohol and Drug Studies
  - Statistician, SDSU Institute for Public Health
- 2006-2007 Postdoctoral Researcher, Department of Biostatistics, UCLA
- Supported through an NIH AIDS researcher training grant
- 2004-2007 Instructor, Department of Mathematics, Santa Monica College
- 2003-2006 Graduate Researcher, Department of Biostatistics, UCLA
- Funded by the UCLA Brain Injury Research Center
  - Statistical Data Analyst in a program funded by the CDC in the LA Unified School District. Performed a power analysis.

2000-2004	Teaching Assistant, Department of Biostatistics, UCLA
1999-2004	Instructor, Department of Mathematics, Coastline Community College
1999-2000	Instructor, Department of Mathematics, Los Angeles Harbor College
1997-1999	Teaching Associate, Department of Mathematics, CSULB

### Major Research Interests

- Longitudinal Data Analysis
- Bayesian Data Analysis
- Markov Chain Monte Carlo Methods
- HIV/AIDS Methods

### Fellowships and Awards

2017-2018	Teaching Excellence Award, SDSU Graduate School of Public Health
2016	Faculty Scholarship Award, WUSS Educational Forum and Conference
2008-2009	Golden Apple Award, SDSU Graduate School of Public Health
2006-2007	National Institutes of Health AIDS Training Grant
2004-2005	California Wellness Foundation Fellowship
2003-2004	Graduate Research Mentorship, UCLA
2001-2004	Teaching Assistant of the Year, UCLA Public Health Student Association
2000-2004	Public Health Traineeship, UCLA
1999-2003	Eugene Cota-Robles Award, UCLA
1998-1999	Graduate Equity Fellowship, CSULB
1997-1999	National Dean's List, Publication
1997-1999	State Grant, CSULB
1996-1997	President's List, Cal Poly Pomona

### Publications

1. Delange, N., Lindsay, S., **Lemus, H.**, Finlayson, T.L., Kelley, S.T., Gottlieb, R.A. (2018). Periodontal Disease and its Connection to Systemic Biomarkers of Cardiovascular Disease in Young American Indian/Alaskan Natives. *Journal of Periodontology*.
2. Finlayson, T.L., **Lemus, H.**, Becerra, K., Kaste, L.M., Beaver, S.M., Salazar, C.R., Singer, R.H., Youngblood, M.E. Jr. (2018). Unfair Treatment and Periodontitis Among Adults in the Hispanic Community Health Study/Study of Latinos (HCHS/SOL). *Journal of Racial and Ethnic Health Disparities*. doi: 10.1007/s40615-017-0459-5.
3. Garcini, L.M., Peña, J.M., Gutierrez, A.P., Fagundes, C.P., **Lemus, H.**, Lindsay, S., Klonoff, E.A. (2017). "One Scar Too Many:" The Associations Between Traumatic Events and Psychological Distress Among Undocumented Mexican Immigrants. *Journal of Traumatic Stress*. 30(5):453—462.
4. Ratigan, A.R., Lindsay, S., **Lemus, H.**, Chambers, C.D., Anderson, C.A., Cronan, T.A., Browner, D.K., Wooten, W.J. (2017). Factors associated with continued participation in a matched monetary incentive programme at local farmers' markets in low-income neighbourhoods in San Diego, California. *Public Health Nutrition*. 20(15):2786—2795.

5. LaVange, L., Davis, S.M., Hankinson, J., Enright, P., Wilson, R., Barr, R.G., Aldrich, T.K., Kalhan, R., **Lemus, H.**, Ni, A., Smith, L.J., Talavera, G.A. (2017). Spirometry Reference Equations from the HCHS/SOL (Hispanic Community Health Study/Study of Latinos). *American Journal for Respiratory Critical Care Medicine*. 196(8):993—1003.
6. Kaur, N., Porter, B., LeardMann, C.A., Tobin, L.E., **Lemus, H.**, Luxton, D.D.; Millennium Cohort Study Team. (2017). Evaluation of a modified version of the Posttraumatic Growth Inventory-Short Form. *BMC Medical Research Methodology*. 17(1):69.
7. Ippolito, A.C., Seelig, A.D., Powell, T.M., Conlin, A.M.S., Crum-Cianflone, N.F., **Lemus, H.**, Sevick, C.J., LeardMann, C.A. (2017). Risk Factors Associated with Miscarriage and Impaired Fecundity among United States Servicewomen during the Recent Conflicts in Iraq and Afghanistan. *Women's Health Issues*. 27(3):356—365.
8. Ratigan, A.R., Lindsay, S., **Lemus, H.**, Chambers, C.D., Anderson, C.A.M., Cronan, T.A., Browner, D.K., Wooten, W.J. (2017). Community BMI Surveillance Using an Existing Immunization Registry in San Diego, California. *Journal for Community Health*. 42(3):558—564.
9. Attin, M., Wang, L., Soroushmehr, S.M., Lin, C., **Lemus, H.**, Spadafore, M., Najarian, K. (2016). Digitization of Electrocardiogram From Telemetry Prior to In-hospital Cardiac Arrest: A Pilot Study. *Biological Research for Nursing*. 18(2):230—6.
10. Attin, M., Yishan, X., Lin, C., **Lemus, H.** (2015). A potential impact of nursing characteristics prior to in-hospital cardiac arrest: A self-reported study. *Journal of Clinical Nursing*. 24(23-24):3736—8.
11. Bharti, B., Lee, S.J., Lindsay, S.P., Wingard, D.L., Jones, K.L., **Lemus, H.**, Chambers, C.D. (2015). Disease Severity and Pregnancy Outcomes in Women with Rheumatoid Arthritis: Results from the Organization of Teratology Information Specialists Autoimmune Diseases in Pregnancy Project. *Journal of Rheumatology* 42(8):1376—82.
12. Attin, M., Feld, G., **Lemus, H.**, Najarian, K., Shandilya, S., Wang, L., Sabouriazad, P., Lin, C. (2015). Electrocardiogram characteristics prior to in-hospital cardiac arrest. *Journal of Clinical Monitoring and Computing* 29(3):385—92.
13. Camacho, A., González, P., Castañeda, S.F., Simmons, A., Buelna, C., **Lemus, H.**, Talavera, G.A. (2015). Improvement in Depressive Symptoms Among Hispanic/Latinos Receiving a Culturally Tailored IMPACT and Problem-Solving Intervention in a Community Health Center. *Community Mental Health Journal*. 51(4):385—92.
14. Padin, D.S., Faix, D., Brodine, S., **Lemus, H.**, Hawksworth, A., Putnam, S., Blair, P. (2014). Retrospective analysis of demographic and clinical factors associated with etiology of febrile respiratory illness among US military basic trainees. *BMC Infectious Diseases*. 14(1):576
15. Madanat, H., Molina, M., Din, H., Mintle, R., Arredondo, E.M., Elder, J.P., Patrick, K., **Lemus, H.**, Medina, V., Ayala, G.X. (2014). Correlates of Measured Prehypertension and Hypertension in Latina Women Living Along the US-Mexico Border, 2007-2009. *Preventing Chronic Disease*. 11(10):E186.
16. Schaller, E.K., Woodall, K.A., **Lemus, H.**, Proctor, S.P., Russell, D.W., Crum-Cianflone, N.F. (2014). A Longitudinal Comparison of Posttraumatic Stress Disorder and Depression Among Military Service Components. *Military Psychology*. 26(2):77—87.

17. Flores, K.F., Crawford, J., Piccioni, D., **Lemus, H.**, Lindsay, S., Kesari, S. (2013). Survival Factors in Children with Central Nervous System Brain Tumors in California Between 1988 and 2009. *Neuro-Oncology*. 15(3):32.
18. Norton, L.E., Brodine, S.K., Medina, S., **Lemus, H.**, Ricchiuti, V., Boswell, G., Wessman, D., Krause, D., Crum-Cianflone, N.F. (2013). Adiponectin Levels and Coronary Artery Disease among HIV-Infected Men. *Journal of AIDS and Clical Research*. 4(4):208.
19. Arredondo, E.M., **Lemus, H.**, Elder, J.P., Molina, M., Martinez, S.M., Sumek, C., Ayala, G.X. (2013). The Relationship between Sedentary Behavior and Depression among Latino Adults in the US. *Mental Health & Physical Activity*. 6(1):3—9.
20. Morris, M.D., **Lemus, H.**, Wagner, K.D., Martinez, G., Lozada, R., Gomez, M.G., Strathdee, S.A. (2013). Factors associated with pathways toward concurrent sex work and injection drug use among female sex workers who inject drugs in Northern Mexico. *Addiction*. 108(1):161—170.
21. Morello, M. I., Madanat, H., Crespo, N. C., **Lemus, H.**, Elder, J. (2012). Associations Among Parent Acculturation, Child BMI, and Child Fruit and Vegetable Consumption in a Hispanic Sample. *Journal of Immigrant and Minority Health*. 14(6):1023—1029.
22. Shillington, A. M., Woodruff, S., Clapp, J., Reed, M., **Lemus, H.** (2012). Self-Reported Age of Onset and Telescoping for Cigarettes, Alcohol, and Marijuana: Across Eight Years of the National Longitudinal Survey of Youth. *Journal of Child & Adolescent Substance Abuse*. 21:333—348.
23. Woolpert, T., Brodine, S., **Lemus, H.**, Waalen, J., Blair, P., Faix, D. (2012). Determination of clinical and demographic predictors of laboratory-confirmed influenza with subtype analysis. *BMC Infectious Diseases*. 12:129
24. Blanco, E., Lindsay, S., **Lemus, H.**, Ojeda, N., Zuniga, M. L. (2011). Advancing HIV Prevention Among Multiethnic Vulnerable Youths: Ethnoracial and Gender Differences. *Journal of HIV/AIDS & Social Services*. 10:311—24.
25. Glassy, C., **Lemus, H.**, Cronan, T., Talavera, G. A. (2010). Relationship between Depression and Cardiovascular Risk Factors Among Latino Patients at A Community Clinic. *Psychology, Health & Medicine*. 15(2):117—26.
26. Woodruff, S.I., Conway, T.L., Shillington, A.M., Clapp, J.D., **Lemus, H.**, Reed, M.B. (2010). Cigarette Smoking and Subsequent Hospitalization in a Cohort of Young U.S. Navy Female Recruits. *Nicotine & Tobacco Research*. 12(4):365—73.

### Supported Research/Grants

1. 1R25HL105430-01 (Elder, PI) 09/30/10 – 09/30/14  
 NIH/NHLBI  
**Investing in America's Future: Mentoring Latinos in Health Disparities Research**  
 Develop a summer institute to train Latino researchers in health disparities research methods.  
 Role on Project: Co-Investigator

2. U48 DP001917 SIP 09-025 (Elder, PI) 09/30/09 – 09/30/13  
 CDC/PRC  
**Chronic Disease Prevention in Mexico and the US Latino Population**  
 The study team will adapt the “Guide for Useful Intervention for Physical Activity in Latin America” (GUIA) to conduct research and develop practice-based networks focused on the prevention of chronic disease in Mexico and the US Latino population.  
 Role on Project: Co-Investigator
3. U26 1HS300292A (Gottlieb, PI) 09/01/09 – 08/31/13  
 IHC/NARCH  
**Oral Flora, Periodontitis, and Vascular Dysfunction in Young Native Americans**  
 The purpose of this study is to examine the change in the association of periodontal disease and vascular function in a population of young American Indians 18-40 across a six month period. These data will provide comparisons in vascular function, inflammatory markers, microbial flora, and blood chemistries between the four disease groups (no periodontal disease, gingivitis, mild/moderate disease, and severe disease).  
 Role on Project: Co-Investigator
4. 5R21 AA016769-02 (Shillington, PI) 06/01/08 – 05/31/10  
 NIH/NIAAA  
**Adolescent AOD Use Self Reports: Testing Report Stability Over Fourteen Years**  
 The purpose of this secondary data analysis is to test the predictions of interference and telescoping theories of memory to better understand changes in reports of lifetime alcohol and drug (AOD) use.  
 Role on Project: Co-Investigator

## Professional Activities

### *Organizations*

- 1999-present American Statistical Association
- 1997-1999 Society of Industrial and Applied Mathematics
- 1997-2007 Mathematics Association of America

### *Editorial Review*

- 2010-present American Journal of Preventive Medicine
- 2010-present Journal of Health Care for the Poor and Underserved

### *University-related*

- 2010-2015 Student Affairs/Alumni Committee, Graduate School of Public Health
- 2008-2009 Informatics Committee, College of Health and Human Services
- 2007-2015 Performance and Evaluation Committee, Graduate School of Public Health

## Presentations

1. "Demystifying the CONTRAST and ESTIMATE Statement". Western Users of SAS Software Educational Forum and Conference, San Francisco, California. September 2016
2. "Post-processing Linear Models in SAS". Department of Military Population Health, Naval Health Research Center, October 2015

3. "An Analyst's Dilemma: What analysis do I use?". Department of Military Population Health, Naval Health Research Center, June 2015
4. "Combining Survey Panels". Department of Military Population Health, Naval Health Research Center, November 2014
5. "Using Logistic Regression of Sparse Data to Predict Influenza". Infectious Disease Modeling – Contributed Session. Joint Statistical Meetings, Vancouver, BC. August 2010
6. "Modeling Clinical Symptoms as Predictors for Influenza: A Useful Tool for Primary Care Providers". Statistical Methods for Modeling Infectious Disease Risk – Contributed Session. Joint Statistical Meetings, Washington, DC. August 2009
7. "Modeling Multivariate Biomedical Data". Department of Mathematic and Statistics, SDSU, March 2009
8. Lecture on Longitudinal Data Analysis, Normality, and Multiple Comparisons. Institute for Public Health, SDSU, April 2008
9. "Flexible Modeling of the Mean and Covariance Structure for Heterogeneous Incomplete Multiple Longitudinal Markers". Bayesian Modeling of Incomplete Heterogeneous Data - Invited Session. Joint Statistical Meetings, Salt Lake City, Utah. August 2007
10. "Modeling Multivariate Biomedical Data with Polynomial Smoothing Splines". Bayesian Modeling of Biomedical Data - Topic Contributed Session. Joint Statistical Meetings, Seattle, Washington. August 2006

### **Student Advising**

#### *Dissertation Committee Member*

1. Amanda R. Ratigan (2015), "Countywide BMI surveillance and community-level approaches to improve access to nutritious food among low-income residents in San Diego, CA". Suzanne Lindsey, Chair.
2. Kelly M. Collins (2015), "Mobile Technology Use Among Persons who Inject Drugs in San Diego, California and Tijuana, Baja California, Mexico". Richard Garfein, Chair.
3. Richard F. Armenta (2015), "Research on the epidemiology of prefilled syringe use among persons who inject drugs in San Diego, CA". Richard Garfein, Chair.
4. Balambal Bharti (2014), "Autoimmune Diseases in Pregnancy: Associated Risk factors, Co-morbidities and Pregnancy Outcomes". Christina Chambers, Chair.
5. Marni B. Jacobs (2013), "The push for a singleton gestation following in vitro fertilization: Balancing the risk of multiples with risk of cycle failure". Hillary Klonoff-Cohen, Chair.
6. Meghan D. Morris (2011), " Early Substance Use Experiences and Trajectories Leading to Injection Drug Use among Male and Female Current Injection Drug Users in the Mexico-US Border Region ". Stephanie A. Strathdee, Chair.

#### *Thesis Chair*

1. Daniel J. Walker (2015), "Physical Activity and Fear of Crime in Neighborhoods in Older Adults".
2. Julia M.R. Schwartz (2015), "Gout and Associated Risk Factors Among Mexican-Americans in the United States".
3. Hannah J. Works (2013), "Characteristics of Emerging Infectious Diseases in the United States from 1942-2002 and Effects of Urbanization as a Driving Factor of Disease Emergence".

4. Joyce Huey (2013), "Factors Associated with Influenza Vaccination of Seniors in San Diego County During a Vaccine Shortage".
5. Kathryn A. Henry (2012), "Gender Differences in Prevalence and Correlates of Skin Abscesses Among 18-40 Year Old Injection Drug Users in San Diego".
6. Afsana Karim (2012), "The Best Structural and Functional Predictor of HIV Status in Relation to the Retinal Damage".
7. Justin Curole (2011), "Sexual Orientation as a Risk Factor for Depressive Symptoms in a Population-Based Sample of California Males. Analysis of the 2009 California Health Interview Survey".
8. Kaeley B. Shannon (2009), "A Study of Community-based Dental Sealant Clinics: An Evaluation of Share the Care".
9. Molly D. Smith (2010), "Geographic Distribution of Chronic Liver Disease Mortality in San Diego, California".

*Thesis Committee Member*

1. Maggie Crawford (2017), "The Associations of Abdominal Muscle Area and Density with Coronary Arterial Calcium Volume and Density". Richard Shaffer, Chair.
2. Nicole Delange (2016), "Periodontal Disease and its Connection to Systemic Biomarkers of Cardiovascular Disease in Young Native Americans". Suzanne Lindsey, Chair.
3. Kelly Schirmers (2015), "Examining Racial and Ethnic Disparities Among Women Who Received Breast Cancer Screenings". Suzanne Lindsey, Chair.
4. Luz M. Garcini (2015), "Prevalence of Trauma and Psychological Distress among Undocumented Mexican Immigrants in a Border Community". Suzanne Lindsay, Chair.
5. Cheryl Valdez (2015), "Cigarette Smoking, Nicotine Dependence, and State-level Indicators of Sexual-Minority Support among Heterosexual and Sexual-Minority Young Adults". Heather L. Corliss, Chair.
6. Sina Lo (2015), "The Association Between Moderate-Vigorous Physical Activity and Dietary Behavior Among Churchgoing Latinas in San Diego County". Caroline A. Macera, Chair.
7. Cheryl Herrera (2015), "Female Teens Who Are Not Vaccinated Against HPV, National Immunization Survey-Teen 2012". Edith Lederman, Chair.
8. Madeline Cross (2015), "A Cross-Sectional Analysis of Exposure To Poly-Drug Use and IPV Among MSM in San Diego, CA Enrolled in the STAHR-II Study". Suzanne Lindsay, Chair.
9. Kelly A. Vu (2015), "The Association between Insurance Types and HRQOL in Adolescents in California from CHIS 2011-2012". Caroline A. Macera, Chair.
10. Tiffany Ta (2015), "The Effect of Diabetes Mellitus on Tuberculosis Treatment among Adult Sputum Culture Positive Tuberculosis Cases in San Diego County, 2010 – 2013". Suzanne Lindsay, Chair.
11. Victoria E. Price (2014), "A retrospective analysis of drunk drivers in Riverside and Imperial Counties". Suzanne Lindsay, Chair.
12. Kristen R. Sy (2014), "Pre-operative Determinants of Residual Pulmonary Hypertension after Pulmonary Thromboendarterectomy for Chronic Thromboembolic Pulmonary Hypertension". Richard Shaffer, Chair.
13. Catherine A. Schweizer (2014), "Smoking Initiation During College: Investigating the Risk of Initiation Using Survival Analysis". Thomas Novotny, Chair.

14. Natasha A. Bliss (2014), "Condom Use and Associated Demographic, Military and Health-Related Risk Factors Among Male Members of the Rwanda Defense Forces". Caroline A. Macera, Chair.
15. Vanessa N. Torres (2015), "Personal, Social, and Physical Environmental Correlates of Sedentary Behavior in Churchgoing Latinas". Elva Arredondo, Chair.
16. Natalie A. Svistoonoff (2015), "The Association between Biculturalism, Knowledge of Cervical Cancer Prevention, Religiosity, and Perceived Barriers to Cervical Cancer Screening". Elva Arredondo, Chair.
17. Ashley Vandezande (2014), "Associations of Levels and Types of Physical Activity and Sedentary Behavior with Total Body Fat and Abdominal Fat". Elva Arredondo, Chair.
18. Brittany Mellen (2014), "The Potential of Televisions in the Bedroom Increasing a Child's Risk for Obesity Through Decreased Sleep Times". Guadalupe X. Ayala, Chair.
19. Rachel A. Conklin (2014), "Disparities in Hormonal Contraceptive Use Among Latina, African American, and White Women". Guadalupe X. Ayala, Chair.
20. Cathleen Y. Xing (2014), "Environmental and Socio-Behavioral Risk Factors Associated with Asthma Among Asian Women in California". Thomas Novotny, Chair.
21. Karina M. Parra (2014), "Colorectal Cancer Screening Disparities Among Ethnic/Racial Groups in the United States". Caroline A. Macera, Chair.
22. Azieb Ernias (2014), "Sudanese Australian Refugees: Gender and Acculturation". Suzanne Lindsey, Chair.
23. Padideh Asgari (2014), "Associations of Perceived Social Cohesion and Mental Distress in a Multi-ethnic Population-Based Sample of Adults in California". Suzanne Lindsay, Chair.
24. Amber Lung (2014), "Psychosocial Factors Associated with Recovery of Survivors of Torture". Suzanne Lindsey, Chair.
25. Timothy M. Fernandes (2014), "Baseline Body Mass Index Does Not Significantly Affect Outcomes after Pulmonary Thromboendarterectomy". Richard Shaffer, Chair.
26. Christopher A. O'Malley (2014), "Dating Violence Victimization and Associated Risk Behaviors of 9th through 12th Grade High School Students". Suzanne Lindsay, Chair.
27. Christine Thorne (2013), "Tuberculosis in San Diego County: A Risk profile comparison of Mexican-born vs. Other foreign-born TB cases 2004-2011". Stephanie K. Brodine, Chair.
28. Alda I. Inveiss (2013), "Prevalence and correlates of internet use to find new sex partners among men who have sex with men (2002-2012)". Stephanie K. Brodine, Chair.
29. Katrina F. Flores (2013), "Survival factors in children with central nervous system brain tumors in California between 1988 and 2009". Suzanne Lindsey, Chair.
30. Kristine N. Ortwine (2013), "A retrospective study and comparative analysis of predictive factors associated with clinical trial accrual patterns: Moores Cancer Center 2007-2011". Caroline A. Macera, Chair.
31. Andrea Ippolito (2013), "Risk Factors Associated with Miscarriage and Impaired Fecundity among US Servicewomen Serving During the Recent Conflicts in Iraq and Afghanistan". Nancy Crum-Cianflone, Chair.
32. Kerri A. Dutcher (2013), "Can the central line-associated blood stream infection (CLABSI) definition be refined to include primarily those infections relevant to infection control practices?". Stephanie K. Brodine, Chair.



33. Bogdan A. Rau (2013), "Associations of employment status and smoking behavior among U.S. adults over 18 years of age in 2008 - 2011". Caroline A. Macera, Chair.
34. Emma Schaller (2013), "A Longitudinal Comparison of Posttraumatic Stress Disorder and Depression Symptoms between Reserve, National Guard and Active Duty Members". Nancy Crum-Cianflone, Chair.
35. Sandy K. Bhahurla (2013), "Correlates of prior hepatitis C antibody testing among injection drug users in San Diego, CA". Suzanne Lindsey, Chair.
36. Melissa Nagatsuka (2012), "Self-Efficacy to Consume Fruits and Vegetables: A Psychometric Validation Among a Sample of Low-Income Mothers". Hala Madanat, Chair.
37. John J. Carlow (2012), "The Longitudinal Effect of Radiofrequency Ablation (RFA) on Symptoms Associated with Uterine Fibroids in Latin Women 50 Years of Age or Less". Richard Schaffer, Chair.
38. Michael D. Sawdey (2012), "Perceived Peer Smoking Status and Actual Smoking Among US College Students". Thomas Novotny, Chair.
39. Jane Kil (2012), "Homelessness and Risky Behavior Related to Blood-Borne Viral Infections Among Injection Drug Users in San Diego". Stephanie K. Brodine, Chair.
40. Kelley L. Hagerich (2012), "Proinsulin, C-Peptide, and Insulin as Independent Predictor of All-Cause and Cause-Specific Mortality in Older Adults: The Rancho Bernardo Study". Caroline A. Macera, Chair.
41. Sarah C. Marikos (2012), "High Prevalence of Childhood Physical & Sexual Abuse in Young Injection Drug Users in San Diego County: Ramifications for HCV Infection". Suzanne Lindsey, Chair.
42. Brittany L. Morey (2012), "Exploring Racial/Ethnic Prevalence Rates of Type 2-Diabetes in CA Using Social Ecological Theory: An Integrative Approach". Suzanne Lindsey, Chair.
43. Poorti V. Bhandarkar (2012), "Determining Factors Associated with The Prevalence of Self-Reported Pre-Diabetes in Adult US Population (BRFSS 2008)". Caroline A. Macera, Chair.
44. Thuy G. Nguyen (2012), "First Trimester Drinking and Smoking Habits of Pregnant Women Taking Selective Serotonin Reuptake Inhibitors and Associated Fetal Outcomes". Suzanne Lindsey, Chair.
45. Lorena S. Pacheco (2012), "Effects of Weight Loss on Weight and Cardiorespiratory Fitness in Overweight or Obese Breast Cancer Survivors". Suzanne Lindsey, Chair.
46. Toni M. Rush (2012), "Factor Associated with Survival of Patients Diagnosed with Non-Malignant, Intracranial Meningiomas". Suzanne Lindsey, Chair.
47. Damaris S. Padin (2011), "Retrospective Analysis of Demographic and Clinical Factors Associated with Etiology Febrile Respiratory Illness among U.S. Military Basic Trainees". Stephanie K. Brodine, Chair.
48. Louise E. Norton (2011), "Adiponectin Levels and Coronary Artery Disease among HIV-Infected Men". Stephanie K. Brodine, Chair.
49. Monica I. Morello (2011), "The association of parent acculturation with childhood obesity and dietary behaviors among a predominately Mexican American sample". Hala Madanat, Chair.
50. Madeline R. Treschuk (2011), "The effectiveness of the syphilis symptom recognition campaign -- San Diego County 2009". Thomas Novotny, Chair.

51. Stephanie A. Escobar (2011), "Assessing the influence of a Latino faith-based program on the health practices of congregants, youth leaders, and organization". Elva Arredondo, Chair.
52. Richard F. Armenta (2011), "Correlates of perceived risk of HIV among injection drug users in Tijuana, Baja California, Mexico". Suzanne Lindsey, Chair.
53. Elizabeth Salas (2011), "Phenobarbital Exposure in Human Pregnancy". Suzanne Lindsey, Chair.
54. Elizabeth B. May (2011), "Factors Associated with Effective Help-Seeking Behavior among Homeless Persons: A Cross-Sectional Study of San Diego's Street Homeless Population". Suzanne Lindsey, Chair.
55. Saranette Sotomayor (2011), "Self-reported stigmatization among injecting drug users (IDUS) in Kazakhstan". Thomas Novotny, Chair.
56. Katie L. Callahan (2011), "A Cross-Sectional Analysis of the Factors of Violation of Maine's Legislation Prohibiting Smoking in Vehicles Containing Children". Suzanne Lindsey, Chair.
57. Courtney L. Corle (2010), "Investigation of the factors that affect patterns of care and survival for brain and other central nervous system cancer patients in San Diego County and California". Caroline A. Macera, Chair.
58. Brandi N. Martell (2010), "The Prevalence and Demographics of Alcohol Use Among Community-Dwelling Older Adults". Caroline A. Macera, Chair.
59. Alana C. Horais (2010), "Food Security in California: A Social-Ecological Analysis of 2007 California Health Interview Survey Data". Elva Arredondo, Chair.
60. Anna Chew (2010), "Vitamin D and Self-Reported Health Status". Caroline A. Macera, Chair.
61. Kevin P. Carlin (2010), "Effects of meal frequency and amount fed on postprandial blood and urine variable values of bottlenose dolphins (*Tursiops truncatus*)". Suzanne Lindsey, Chair.
62. Humberto Parada Jr. (2010), "The Effects of Paternal Involvement on the Quality of Parenting among Mexican American Adolescent Mothers". Suzanne Lindsey, Chair.
63. Melanie K. Epstein (2010), "Examining Associations between Social-Environmental Factors and Type 2 Diabetes by Racial/Ethnic Group in California". Suzanne Lindsey, Chair.
64. Margaret L. Gurman (2010), "Homeless Access to Basic Needs and Services in Downtown San Diego". Loring Jones, Chair.
65. Tomo Hirano (2010), "HIV/AIDS risk-Associated Sexual Behaviors and Identity Openness among Young Men who have Sex with Men in San Diego County". Suzanne Lindsey, Chair.
66. Lona Cavallera (2010), "Family History of Breast Cancer and Cancer Worry as Predictors of Mammography Screening in Hispanic American Women". Elva Arredondo, Chair.
67. Chevon M. Alderson (2010), "Hospital-Based Healthcare Response to Intimate Partner Violence in San Diego County: Performance and Predictors". Suzanne Lindsey, Chair.
68. Julie M. Green (2010), "The association of the fetal growth pattern and major congenital anomalies in infants of diabetic mothers". Suzanne Lindsey, Chair.
69. Jennifer A. Smith (2009), "Prevalence and Correlates of Intestinal Parasite Infection in School-Aged Children in a Migrant Agricultural Community in Baja California, Mexico:

- Results from VIIDAI 2008/2009". Stephanie K. Brodine, Chair.
70. Richard F. W. Barnes (2009), "Mortality of Tuberculosis Cases in San Diego County". Stephanie K. Brodine, Chair.
  71. Scott R. Fulcher (2009), "Body Mass Index as a Predictor for Lower Extremity Overuse Injuries among Male Marine Corps Recruits adjusting for Age, Fitness, and Exercise History". Caroline A. Macera, Chair.
  72. Brandt Newcomer (2009), "Association of the Adrenal Steroid Hormones, Cortisol and Dehydroepiandrosterone Sulfate (DHEAS) with Changes in Cognitive Performance among Healthy Elderly Men: A Prospective Rancho Bernardo Study". Stephanie K. Brodine, Chair.
  73. Tabitha A. Zimmerman (2009), "Demographics, Medical History and Clinical Symptoms as Predictors of Influenza". Stephanie K. Brodine, Chair.
  74. Amanda R. Pietrucha (2009), "The Prevalence and Correlates of Tuberculosis Infection in a Mexican Colonia". Stephanie K. Brodine, Chair.
  75. Julia M. Hall (2009), "A Trend Analysis of Clostridium Difficile Prevention Measures at the VAMC". Suzanne Lindsey, Chair.
  76. Anna G. Stachel (2009), "The Moderating Effects of Demographic Variables on the Association between Neighborhood Satisfaction and Quality of Life". Suzanne Lindsey, Chair.
  77. Stephanie M. Cammarata (2009), "The Impact of Sex on MR-proANP Levels in Patients Presenting with Dyspnea to the Emergency Department". Suzanne Lindsey, Chair.
  78. Emma J. Wright (2009), "Gender Disparity in Nepalese Cataract Blindness". Suzanne Lindsey, Chair.
  79. Estela Blanco (2009), "Evaluation of a Prevention Intervention to Reduce Transmission of STIs, HIV, and Unintended Pregnancy in High-Risk Youth". Suzanne Lindsey, Chair.
  80. Michael Skropeta (2008), "The Association of Liver fat and Body Morphology with Coronary Artery Calcium". Caroline A. Macera, Chair.
  81. Taryn J. Early (2008), "The Association of Insurance Coverage and Ethnicity on Mammography Use In A Postmenopausal Population". Suzanne Lindsay, Chair.
  82. Crystal M. Warner (2008), "Relationship Between Depression and Cardiovascular Risk Factors Among Latino Patients At A Community Clinic". Gregory A. Talavera, Chair.

### **Courses Taught**

- Elementary Statistics
- Basic Biostatistics
- Regression Modeling
- Multivariate Data Methods
- Applied Data Analysis
- Analysis of Cohort Studies
- Data Analysis using R