

## CURRICULUM VITAE

### Donald R. Hoover

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### I. EDUCATION

B.A.	1977 UCSD Muir College	Biology
M.P.H.	1979 UCLA School of Public Health	Epidemiology
Ph.D.	1987 Stanford University	Statistics

### II. PROFESSIONAL EXPERIENCE

1987-89      Assistant Professor and Director of the Statistical Laboratory  
University of South Carolina, Columbia, SC.

1989-97      Associate Professor (1993-97) of Epidemiology (Assistant Professor 1989-93)  
Johns Hopkins University, School of Hygiene and Public Health, Baltimore, MD.  
- Joint Appointment, Department of Biostatistics (1989-97)  
- Joint Appointment, Mathematical Sciences (1996-97)

1997-99      Associate Director of Epidemiology, Merck Research Laboratories, Blue Bell, PA.

1999-Present      Professor (2002 - ) of Statistics and Biostatistics (Associate Professor 1999-  
2002) and Core Member, Institute for Health, Health Care Policy and Aging  
Research, Rutgers University, Piscataway, NJ.  
- Adjunct Professor of Medicine, University of Medicine and Dentistry of New  
Jersey Robert Wood Johnson Medical School (2005- )  
- Senior Associate, Johns Hopkins University Dept of Epidemiology (1999- )  
- Senior Research Fellow, CUES - New York Academy of Medicine (1999 -)

### III. PROFESSIONAL ACTIVITIES

#### *Society Membership and Leadership:*

1981-      American Statistical Association (Lifetime Member)  
-Chaired: "Statistics and the Workplace Session" at the  
1987 *American Statistical Association Meeting* in  
San Diego, CA  
-Chaired: "Epidemiology/Biostatistics Interface Section" at  
the 1995 ENAR Meeting, Birmingham, Alabama  
-Publications Officer, Epidemiology Section 2001-03

1992-      Society for Epidemiological Research

1996-      International Chinese Statistical Association (Lifetime Member)

2009-      American College of Epidemiology (Fellow)

2009 -      New York Academy of Medicine (Fellow)

*Program and Project Development:*

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|-----------|---|
| 1990      | Field representative for the Public Health Vocation at Undergraduate Career Workshops, Baltimore, Maryland  |
| 1993      | Review Committee, Ph.D. Program in Epidemiology, University of Miami, Florida   |
| 1995      | Moderator, FDA AIDS Task Force Workshop on Current Issues in Clinical Trials, Bethesda, Maryland  |
| 1996-1997 | Preceptor, Baltimore City Schools, High School Internship Program<br>Baltimore, Maryland  |
| 1997      | Member of Pharmaceutical Research and Manufacturers of America<br>Subcommittee for Driving Under the Influence, Washington DC   |
| 2002      | Chairman of Modeling of Diseases and Discrete Math Computer Sciences<br>Sessions at DIMACS Working Group on Mathematical Sciences Methods for the<br>Study of Deliberate Releases of Biological Agents and their Consequences<br>Epidemiology Piscataway. NJ; March 22-23 |
| 2002      | Co-Organizer DIMACS Working Group on Adverse Event/Disease Reporting,<br>Surveillance, and Analysis Epidemiology Piscataway. NJ; October 16-18.   |

*Data and Safety Monitoring Board Membership:*

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|---------|--|
| 2002-05 | Iron Deficiency and Anemia in HIV and HCV-Infected Women |
| 2005-07 | Xena Breast Cancer Capecitabine & Docetaxal Trial        |
| 2008-9  | HCV Pegasys ® Copegus ® Study                            |
| 2008-15 | Micafungin, Amphotericin B Candidiasis                   |
| 2014 -  | Alteplase, Stroke  |

*Testifying Before Governmental Agencies and Courts*

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| 2003 | Invited Testimony Before United States Committee on Appropriations<br>Subcommittee on Labor, Health and Human Services, Education June 11 <sup>th</sup><br>Washington, DC |
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**IV. EDITORIAL AND REVIEW ACTIVITIES**

*Editorial Board Membership for Peer Reviewed Journals:*

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|-----------------------|--|
| 1988-97               | Associate (Statistical Methodology) Editor, <i>Journal of the<br/>Freshman Year Experience</i> |
| 1991-97, 2008-Present | Associate Editor, <i>American Journal of Epidemiology</i>                                      |
| 1999-Present          | Statistical Editor, <i>Journal of Urban Health</i>   |
| 2008                  | Guest Editor, <i>American Journal of Epidemiology</i>  |

*Peer Reviewer for Journals and Conferences (Excludes Reviews as an Associate Editor):*

*AIDS* (93, 94, 97); *AIDS Res Thpy*; (10) *American Journal of Epidemiology* (89, 97, 99 – 03, 06); *American Journal of Public Health* (91, 08, 10, 11); *Annals of Epidemiology* (08, 12, 13); *Annals of Statistics* (99); *Applied Statistics* (03); *Archives of Internal Medicine* (93); *Biometrics*

(96, 97, 04, 05); *Cancer Detection and Prevention* (98); *Clin Immun and Immunopath* (91, 94, 97); *Clinical Infectious Diseases* (96); *Global Health Science and Practice* (13); *Intl Conference on Urban Health* (04,10, 11); *Com Stat Theo & Meth* (07); *Controlled Clinical Trials* (91, 95); *IEEE Transactions on Reliability* (88, 89); *International AIDS Conference* (98, 00); *JAIDS* (91, 93, 96, 04, 06, 08, 09); *J Am Med Assoc* (05, 06, 07, 10) *J Am Stat Assn* (89, 90, 98); *Journal of Biopharmaceutical Statistics* (07); *Journal of Clinical Epidemiology* (03); *J Gerontology: Social Sciences* (13); *Journal of Infection* (05); *Journal of Infectious Diseases* (96); *Journal of the Institute of Mathematical Statistics* (01); *Journal of Sexually Transmitted Diseases* (13); *J Stat Plan & Inf.* (04); *Journal of Urban Health* (99); *Lancet* (02); *LIDA* (96); *MDC Biostatistics and Statistics* (91); *Medicare & Medicaid Research* (14); *New England Journal of Medicine* (94); *PLOS One* (10); *Psychogeriatrics* (14); *Psychosomatic Research* (06); *Social Science & Medicine* (02), *Statistica Sinica* (01); *Statistics in Medicine* (93-95, 00-03, 09-11, 13-15); *Wisconsin Medical Journal* (09).

*Peer Review Activities for Funded Research and Programs:*

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|--------------|--|
| 1989         | -Member, NIH/NIAID Ad Hoc Review Committee for AIDS Data Coordinating Center   |
| 1992         | -Member, NIH/NIAID Ad Hoc Review Committee for AIDS Data Coordinating Center   |
| 1996         | -Reviewer, Wellcome Scientific Trust, for Proposals on Infectious Disease Studies  |
| 1998         | -Member, NIH/NIAID Ad Hoc Review Committee for AIDS Research Training Grants   |
| 1999         | -Member, NIH/NIAID Ad Hoc Review Committee for Statistical Data Management Centers of Adult Therapeutic Clinical Trials Program for AIDS |
| 2000         | -Member, NIH/NIAID Ad Hoc Review Committee for Statistical Data Management Center of Viral Infections among Persons with Hemophilia      |
| 2001         | -Member, NIH/NICHHD Ad Hoc Review Committee for HIV-1 Pathogenesis Among Women Program Projects  |
| 2002         | -Chairperson, Special Emphasis Review Panel of Regulatory Compliance Center for NIH HIV Drug Clinical Trials Program Projects            |
| 2002         | -Reviewer, South African MRC Research Proposals 2 <sup>nd</sup> Round  |
| 2003         | -Member, NIH Ad Hoc Review Committee for CFAR Program Project of Integrated Clinical Systems   |
| 2004         | -Member, NIH NIAID Special Emphasis Program Project Review "Immune Modulation After Hemopoietic Cell Transplantation"                    |
| 2005         | -Reviewer, United Kingdom MRC Research Proposals   |
| 2007         | - External Reviewer, Hong Kong Research Council Competitive Earmarked Grants   |
| 2007         | -Member, NIH/NIAID Ad Hoc Review Committee for HIV-1 Pathogenesis Among Women Program Projects   |
| 2007-Present | -Member NIH/NHLBI Cardiovascular Cell Therapy Research Network Protocol Review Committee   |
| 2008         | - External Reviewer, Hong Kong Research Council Competitive Earmarked Grants   |
| 2010         | - Member NIH/NHLBI Ad Hoc Review Committee for Interagency for Mechanically Assisted Circulatory Support DCC                             |
| 2011         | - Member USAID Ad Hoc Review Committee for Interagency for PEPFAR combination prevention evaluation proposal                             |
| 2015         | - Reviewer of National Cancer Institute Infections and Immunology Branch Intramural Program  |

## V. PUBLICATIONS AND INVITED PRESENTATIONS

### *Books, Monographs, Chapters, Review Articles:*

1. Billingsley T, Ceconni S, **Hoover DR**, Simpson A, and Stollman D. Legislative Information for Health Professionals. University of California, Los Angeles (1979).
2. McArthur JC, Selnes OA, Glass JD, **Hoover DR**, and Bacellar H. HIV Dementia: Incidence and risk factors. In: HIV, AIDS and the Brain, Price RW, Perry SW (eds). ARNMD Proceedings, Vol. 72. Raven Press, NY, pp 251-272 (1994).
3. Muñoz A and **Hoover DR**. Use of Cohort Studies for Evaluating AIDS Therapies. Chapter 14, Section 2. In: AIDS Clinical Trials, Finkelstein DM and Schoenfeld DA (eds). Wiley, NY (1995).
4. Lin WC, **Hoover, DR** and Fischman H. A Training Manual for HIV/AIDS Surveillance. Johns Hopkins Department of Epidemiology, supported by The Fogarty Institute and the National Institute of Drug Abuse (1997).
5. **Hoover DR**. Analytic Methods for Epidemiologic Research: A Series of Applications from Case Studies to Program Development. In: Epidemiology and Health Services, Armenian HK, Shapiro S (eds). Oxford Press, London (1998).
6. **Hoover DR**. Long Term Effects of Zidovudine Therapy and Pneumocystis Carinii Chemoprophylaxis. In Pharmacology of HIV Infection and AIDS, Fuchs D, Aruoma O (eds). OICA International, London (2000).
7. **Hoover DR**. Design and Analysis of Group Level Studies. In Handbook of Urban Health, Vlahov D, Galea S (eds.) Verlag-Springer, New York (2005).
8. Xue X, **Hoover DR**. Statistical Methods in Cancer Epidemiological Studies. In Mol Biol. 2009;471:239-72.
9. Castor D, **Hoover DR**, Hammer SM Vlahov D HIV-1 Resistance in Supervised Treatment Settings. Vdm Verlag Dr. Muller Aktiengesellschaft & Co., Germany (2008).

### *Articles in Peer Reviewed Journals:*

1. **Hoover DR**. Bounds for Expectations of Order Statistics for Dependent Samples. [Statistics and Probability Letters 8:261-65 \(1989\)](#).
2. **Hoover DR**. Predicting the College Attendance Rate of a High School Class. [CACD Journal 10:13-20 \(1989\)](#).
3. **Hoover DR**. Subset Complement Addition Upper Bounds - An Improved Inclusion-Exclusion Method. [Journal of Statistical Planning and Inference 24:195-202 \(1990\)](#).
4. **Hoover DR**. Comparisons of Improved Bonferroni and Sidak/Slepian Bounds with Applications to Normal Markov Processes. [Communications in Statistics 8:1623-37 \(1990\)](#).

5. Rosansky SJ, **Hoover DR**, et al. The Association of Blood Pressure Levels and Change in Renal Function in Hypertensive and Non-Hypertensive Subjects. [Arch Intern Med 150:2073-76 \(1990\).](#)
6. **Hoover DR** and Guess FM. Response Linked Censoring Models. [Biometrika 77.4: 893-96 \(1990\).](#)
7. **Hoover DR**. Guidelines for College Persistence/Education Research. [Journal of the Freshman Year Experience 3:71-84 \(1991\).](#)
8. Fidler DS and **Hoover DR**. National Resource Center for the Freshman Year Experience Suggests Research Designs to Investigate Possible Biases from Volunteers and Non-volunteers in Freshman Studies. [The Freshman Year Experience Newsletter 4.1:10-11 \(1991\).](#)
9. **Hoover DR**, Graham NMH, Bacellar H, et al. Epidemiological Patterns of Upper Respiratory Illness and *Pneumocystis Carinii* Pneumonia in Homosexual Men. [Am Rev Respir Dis 144:756-59 \(1991\).](#)
10. **Hoover DR**. Simultaneous Comparisons of Multiple Treatments to Two (or More) Controls. [Biometrical Journal 33,8:913-21 \(1991\).](#)
11. **Hoover DR**, Muñoz A, Carey V, et al. Estimating the 1978-1990 and Future Spread of Human Immunodeficiency Virus Type-1 in Subgroups of Homosexual Men. [Am J Epidemiol 75th Anniversary Issue 134:1190-1205 \(1991\)](#)
12. **Hoover DR**, Muñoz A, Carey V., et al. The Unseen Sample in Cohort Studies: Estimation of its Size and Effect. [Statistics in Medicine Tenth Anniversary Issue 10:1993-2003 \(1991\).](#)
13. **Hoover DR**, Graham NMH, Palenicek JG, Bacellar H, and Saah A. Weight Changes in HIV-1 Seropositive and Seronegative Homosexual men. [Nutr Res 12:297-305 \(1992\).](#)
14. **Hoover DR**, Graham NMH, Chen B, et al. Effect of CD4+ Cell Count Measurement Variability on Staging HIV-1 Infection. [J Acquir Immune Defic Syndr. 5\(8\):794-802 \(1992\).](#)
15. Muñoz A, Carey V, Taylor JMG, Chmiel JS, Kingsley L, VanRaden M, and **Hoover DR**. Estimation of Time since Exposure for a Prevalent Cohort. [Stat Med 11:939-52 \(1992\).](#)
16. Phair J, **Hoover DR**, Huprikar J, et al. The Significance of Western Blot Assays Indeterminate for Antibody to Human Immunodeficiency Virus in a Cohort of Homosexual/Bisexual Men. [J Acquir Immune Defic Syndr 5:988-92 \(1992\).](#)
17. **Hoover DR**, Saah A, Bacellar H, et al. The Progression of Untreated HIV-1 Infection Prior to AIDS. [Am J Public Health 82:1538-41 \(1992\).](#)
18. Miotti PG, Liomba G, Dallabetta GH, **Hoover DR**, et al. T-lymphocyte Subsets During and After Pregnancy: Analysis in HIV-1 Infected and Uninfected Malawian Mothers. [J Infect Dis 165:1116-19 \(1992\).](#)
19. McArthur JC, Nance-Sproson TE, Griffin DE, **Hoover DR**, et al. The Diagnostic Utility of Elevation in Cerebrospinal Fluid 82-Microglobulin in HIV-1 Dementia. [Neurology 42:1707-12 \(1992\).](#)

20. Palenicek J, Fox R, Margolick JP, Farzadegan H, **Hoover DR**, et al. A Longitudinal Study of Homosexual Couples Discordant for HIV-1 Antibodies in the Baltimore MACS. [J Acquir Immune Defic Syndr 5:1204-11 \(1992\).](#)
21. Dallabetta GA, Miotti PG, Chipangwi JP, Saah A, Liomba G, Odaka N, Saugani F, and **Hoover DR**. High Socioeconomic Status is a Risk Factor for HIV-1 Infection, but not for Sexually Transmitted Diseases in Women in Malawi. Implications for STD Control. [J Infect Dis 167:36-42 \(1993\).](#)
22. **Hoover DR**, Saah AS, Bacellar H, et al. Signs and Symptoms of Asymptomatic HIV-1 Infection in Homosexual Men. [J Acquir Immune Defic Syndr 6:1:66-71 \(1993\).](#)
23. **Hoover DR**, Muñoz A, Carey V, et al. Using Events from Dropouts in Nonparametric Survival Function Estimation with Application to Incubation of AIDS. [J Am Stat Assn 88:37-43 \(1993\).](#)
24. Zhou SYJ, Kingsley LA, Taylor JMG, Chmiel JS, He DY, and **Hoover DR**. A method to Test for a Recent Increase in HIV-1 Seroconversion Incidence: Results from the Multicenter AIDS Cohort Study. [Stat Med 12:153-64 \(1993\).](#)
25. Monell CR, **Hoover DR**, Odaka N, et al. Assessment of the Antibody Response to the Immunosuppressive/immunodominant Region of HIV GP41 in a 5 Year Longitudinal Study. [J Med Virology 39:125-30 \(1993\).](#)
26. Armenian H, **Hoover DR**, Rubb S, et al. A Composite Risk Score for Kaposi's Sarcoma Based on a Case-Control and Longitudinal Study in the Multicenter AIDS Cohort Study (MACS). [Am J Epidemiol 138:256-65 \(1993\).](#)
27. **Hoover DR**, Black C, Jacobson LP, et al. Epidemiological Analysis of Kaposi's Sarcoma as an Early and Late AIDS Outcome in Homosexual Men. [Am J Epidemiol 138:266-78 \(1993\).](#)
28. Easterbrook P, Chmiel J, **Hoover DR**, et al. Racial and Ethnic Differences in HIV-1 Seroprevalence among Homosexual and Bisexual Men. [Am J Epidemiol 138:415-29 \(1993\).](#)
29. McArthur JC, **Hoover DR**, Bacellar H, et al. Dementia in AIDS Patients: Incidence and Risk Factors. [Neurology 43:2245-52 \(1993\).](#)
30. **Hoover DR**, Saah AJ, Bacellar H, et al. Clinical Manifestations of AIDS in the Era of *Pneumocystis* Prophylaxis. [N Engl J Med 329\(26\):1922-6\(1993\).](#)
31. Lyketsos C, **Hoover DR**, Guccione M, et al. Depressive Symptoms as Predictors of Medical Outcomes in HIV Infection. [J Am Med Assn 270:2563-67 \(1993\).](#)
32. Sullivan P, Becker JT, Dew MA, Penkower L, Detels R, **Hoover DR**, et al. Longitudinal Trends in the Use of Illicit Drugs and Alcohol in the Multicenter AIDS Cohort Study. [Journal of Addiction Research 1:3:279-90 \(1993\).](#)
33. Saah AJ, **Hoover DR**, He Y, et al. Factors Influencing Survival after AIDS: Report from the Multicenter AIDS Cohort Study (MACS). [J Acquir Immune Defic Syndr 7:28795 \(1994\).](#)
34. Graham NMH, Rubb S, **Hoover DR**, et al. Beta<sub>2</sub>-Microglobulin and Other Early Predictors of Human Immunodeficiency Virus Type 1 -Related Wasting. [Ann Epidemiol 4:32-39 \(1994\).](#)

35. **Hoover DR** and He Y. Nonidentified Response in a Proportional Hazards Setting. [Biometrics 50:1-10 \(1994\).](#)
36. Semba RD, Miotti PG, Chipangwi JD, Saah AJ, Canner JK, Dallabetta GA and **Hoover DR**. Maternal Vitamin A Deficiency and Mother to Child Transmission of HIV-1. [Lancet 343:1593-97 \(1994\).](#)
37. Stein D, Graham NMH, Park L, **Hoover DR**, et al. The Interaction of Acyclovir with Zidovudine on Progression to AIDS and Survival in the Multicenter AIDS Cohort Study. [Ann Intern Med 121:2:100-108 \(1994\).](#)
38. Markham RB, Coberly J, Ruff A, **Hoover DR**, et al. Maternal IGG1 and IgA Antibody to V3 Loop Consensus Sequence and Maternal-infant HIV-1 Transmission. [Lancet 343:390-91 \(1994\).](#)
39. **Hoover DR**, Muñoz A, He Y, et al. The Effectiveness of Interventions on Incubation of AIDS as Measured by Secular Increases within a Population. [Stat Med 13:212739\(1994\).](#)
40. Bacellar H, Muñoz A, **Hoover DR**, et al. Incidence of Clinical AIDS Conditions in a Cohort of Homosexual Men with CD4+ Cell Counts under 100/mm<sup>3</sup>. [J Infect Dis 170:1284-87 \(1994\).](#)
41. Detels R, Liu Z, Hennessey K, Kan J, Visscher BR, Taylor JMG, **Hoover DR**, et al. Resistance to HIV-1 Infection. [J Acquir Immune Defic Syndr 7:1263-69 \(1994\).](#)
42. Thomas DL, Rompalo AM, Zenilman J, **Hoover DR**, Quinn TC. The Association of Hepatitis C Infections with False Positive Tests for Syphilis. [J Infect Dis 170:1579-81 \(1994\).](#)
43. **Hoover DR**. The Effects of Long-term Zidovudine Therapy and *Pneumocystis carinii* Prophylaxis on HIV Disease: A Review of the Literature. [Drugs 49:20-36 \(1995\).](#)
44. **Hoover DR**, Rinaldo CR, He Y, et al. Long Term Survival without Clinical AIDS after CD4+ Cell Counts Fall Below 200x10<sup>6</sup>/L . [AIDS 9:145-52 \(1995\).](#)
45. **Hoover DR**, Graham NMH, Bacellar H, et al. An Epidemiological Analysis of *Mycobacterium avium* Complex Disease in Homosexual Men Infected with Human Immunodeficiency Virus Type 1. [Clin Infect Dis 20:1250-58 \(1995\).](#)
46. Saah AJ, **Hoover DR**, Peng Y, et al. Predictors for the Failure of *Pneumocystis carinii* pneumonia Prophylaxis. [J Am Med Assn 273:1197-1202 \(1995\).](#)
47. Apolonio EG, **Hoover DR**, He Y, et al. Prognostic Factors in Human Immunodeficiency Virus-Positive Patients with a CD4+ Lymphocyte Count less than 50/iL. [J Infect Dis 171:829-36 \(1995\).](#)
48. O'Brien TR, **Hoover DR**, Rosenberg PS, et al. Evaluation of Secular Trends in CD4+ Lymphocyte Loss among Human Immunodeficiency Virus Type 1 (HIV-1) Infected Men with Known Dates of Seroconversion. [Am J Epidemiol 142:636-42 \(1995\).](#)
49. Dudley JP, Jin SX, **Hoover DR**, et al. The Multicenter AIDS Cohort Study: Retention after 9-1/2 Years. [Am J Epidemiol 142:323-30 \(1995\).](#)
50. Semba RD, Miotti PG, Chipangwi JD, Liomba G, Yang LP, Saah AJ, Dallabetta GA, **Hoover DR**. Infant Mortality and Maternal Vitamin A Deficiency during Human Immunodeficiency Virus Infection. [Clin Infect Dis 21:966-72 \(1995\).](#)

51. Taha TE, Dallabetta GA, Canner JK, Chipangwi JD, Liomba G, **Hoover DR**, Miotti PG. The Effect of HIV Infection on Birth Weight and Child Mortality in Malawi. [Int J Epidemiol 24\(5\):1022-29 \(1995\).](#)
52. Palenicek JG, Graham NMH, He Y **Hoover DR**, et al. Weight Loss Prior to AIDS as a Predictor of Survival. [J Acquir Immune Defic Syndr and Human Retrovirol 10:366-73 \(1995\).](#)
53. Dobs AS, Prasad M, Goldberg A, Guccione M, **Hoover DR**. Changes in Serum Lipoprotein (a) in Hyperlipidemic Subjects Undergoing Long-term Treatment with Lipid Lowering Drugs. [Cardiovascular Drugs and Therapy 9:677-84 \(1995\).](#)
54. Penkower L, Dew MA, Kingsley L, Zhou SY, Lyketsos CG, Wesch J, Senterfitt W, **Hoover DR**, Becker J. Alcohol Consumption as a Cofactor in the Progression of HIV Infection and AIDS. [Alcohol 12:547-52 \(1995\).](#)
55. Strickler H, **Hoover DR**, Dersimonian R. Problems in interpreting HIV Sentinel Seroprevalence Studies. [Ann Epidemiology 5:447-54 \(1995\).](#)
56. Armenian HA, **Hoover DR**, Rubb S, et al. Risk factors for non-Hodgkin's lymphomas in acquired immunodeficiency syndrome (AIDS). [Am J Epidemiol 143:374-79 \(1996\).](#)
57. **Hoover DR**, Peng Y, Saah AJ, Detels R, Rinaldo CR, Phair J. Projecting Disease when Death is Likely. [Am J Epidemiol 143:943-952 \(1996\).](#)
58. Margolick JB, Farzadegan H, **Hoover DR**, Saah AJ. Relationship between Infectious Cell-associated Human Immunodeficiency Virus Type 1 (HIV) and T-cell Subsets and Stage of HIV Infection in Homosexual Men. [J Infect Dis 173:468-71 \(1996\).](#)
59. **Hoover DR**. Extension of the Life Table to Repeating and Changing Events. [Am J Epidemiol 143:1266-76 \(1996\)](#)
60. Glesby MJ, **Hoover DR**. Survivor Treatment Selection Bias in Observational Studies: Examples from the AIDS Literature. [Ann Intern Med 124:999-1005 \(1996\).](#)
61. **Hoover DR**, Muñoz A, He Y, Jacobson LP. Estimation, Testing and Adjustment for Transient Healthy Entrant Effects. [Biometrical Journal 38:241-54 \(1996\).](#)
62. **Hoover DR**, Peng Y, Saah AJ, Semba R, Rinaldo C, Detels R, Phair JP. Occurrence of CMV Retinitis after HIV Immunosuppression. [Arch Ophthalmol 114:821-27 \(1996\).](#)
63. Lyketsos CG, **Hoover DR**, Guccione M. Depressive Symptoms over the Course of HIV Infection before AIDS. [Social Psychiatry and Psychiatric Epidemiology 31:212-19 \(1996\).](#)
64. Shi M, Taylor JMG, Cumier RJ, Tang H, **Hoover DR**, et al. Replacing Time since HIV Infection by Marker Values in Predicting Residual Time to AIDS. [J Acquir Immune Defic Syndr 12:309-16 \(1996\).](#)
65. Moore PS, Kingsley L, Holmberg SD, Spira T, Gupta P, **Hoover DR**, et al. Kaposi's Sarcoma-associated Herpesvirus Infection Precedes Kaposi's Sarcoma: Evidence for Causality. [AIDS 10:175-80 \(1996\).](#)
66. **Hoover DR**, Peng Y, Saah AJ, Detels R, Day RS, Phair JP. Using Multiple Decrement Models to Estimate Risk and Morbidity from Specific AIDS Illnesses. [Stat Med 15:2307-2321 \(1996\).](#)



67. Golden MR, Rompalo AM, Fantry L, Bein M, Perkins T, **Hoover DR**, Zenilman J. Early intervention for human immunodeficiency virus in Baltimore Sexually Transmitted Diseases Clinics. Impact on gonorrhea incidence in patients infected with HIV. [Sex Trans Dis 23\(5\):370-7. \(1996\).](#)
68. Glesby MJ, **Hoover DR**, Weng S, et al. Antiviral Use and the Risk of Kaposi's Sarcoma: Data from the Multicenter AIDS Cohort Study. [J Infect Dis 173:1477-80\(1996\).](#)
69. Graham NMH, **Hoover DR**, Park L, et al. Survival in Zidovudine Experienced Patients: Comparison of Combination Therapy with Sequential Monotherapy and Continued Zidovudine Monotherapy. [Ann Intern Med 124:1031-38 \(1996\).](#)
70. Santelli S, Kouzis A, **Hoover DR**, et al. Predictors of Behavior Change for Condom Use: The Influence of Partner Type, Relationship and Pregnancy Factors. [Family Planning Perspectives 28:3101-107 \(1996\).](#)
71. **Hoover DR**, Doherty MC, Miotti P, Vlahov D. Incidence and Risk Factors for HIV-1 Infection - A Summary of What is Known and the psychiatric relevance. [International Review of Psychiatry 8:137-148 \(1996\).](#)
72. Easterbrook PJ, Farzadegan H, **Hoover DR**, et al. Racial differences in rate of CD4<sup>+</sup> decline in HIV-1 infected homosexual men. [AIDS 10:1147-55. \(1996\).](#)
73. Gao S-J, Kingsley L, **Hoover DR**, et al. Seroconversion to Kaposi's sarcoma associated Herpes virus-related antigens prior to onset of Kaposi's sarcoma. [N Engl J Med. 335\(4\):233-41 \(1996\).](#)
74. Dobs AS, Few WL, Blackman MR, Harman SM, **Hoover DR**, Graham NMH. Serum Hormones in Men with HIV Wasting. [J Clin Endocrinol Metab 81\(11\):4108-12 \(1996\).](#)
75. Saah AJ, **Hoover DR**. Sensitivity and Specificity of Assays from a Diagnostic Point of View. [Ann Intern Med 126:\(1\):91-94 \(1996\).](#)
76. Thomas DL, Shih JW, Alter HS, Vlahov D, Cohn S, **Hoover DR**, et al. Effect of Human Immunodeficiency Virus on Hepatitis C Virus Infection and Injecting Drug Users. [J Infect Dis 174:690-695 \(1996\).](#)
77. Nelson KE, Celentano DD, Eiumtrakul S, **Hoover DR**, Beyrer C, Kuntolbutra S, Supraert S, Chamboonruang C. Behavioral Dynamics of Declining HIV Infection Rates among Young Men in Northern Thailand. [N Engl J Med 335:297-303 \(1996\).](#)
78. Lyketsos CG, **Hoover DR**, Guccione M, et al. Changes in Depressive Symptoms as AIDS Develops. [Am J Psychiatry 153:1430-37 \(1996\).](#)
79. Glesby MJ, **Hoover DR**, Farzadegan H, et al. The Effect of Influenza Vaccination on HIV-1 Viral Load. [J Infect Dis 174:1332-36 \(1996\).](#)
80. Sacktor NC, Bacellar H, **Hoover DR**, Nance-Sproson TE, Selnes OA, Miller EN, Dal Pan GJ, Kleeberger C, Brown A, Saah A, McArthur JC. Psychomotor slowing in HIV infection: a predictor of dementia, AIDS and death. [Journal of NeuroVirology 2:404-410 \(1996\).](#)

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81. Meikle AW, Arver S, Dobs AS, Adolfsson J, Sanders SW, Middleton RG, Stephenson RA, **Hoover DR**, et al. Prostate Size in Hypogonadal Men Treated with a Non-Scrotal Permeation-Enhanced Testosterone Transdermal System. [Urology 49\(2\):191-6. \(1997\).](#)
82. Shi M, Taylor JM, Fahey J, **Hoover DR**, Munoz A, Kingsley L. Early levels In CD4, neopterin, and B2 Microglobulin Indicate Future Disease Progression [J Clin Immunol 17:43-52 \(1997\).](#)
83. Semba RD, Miotti PG, Chipangwi JD, Henderson R, Dallabetta G, Yang L-P, **Hoover DR** . Maternal Vita Men A and Child Growth Failure during Human Immunodeficiency Virus Infection. [J Acquir Immune Defic Syndr 14\(3\):219-22 \(1997\).](#)
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#### *Book Reviews*

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#### *Published Letters*

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*Other Publications:*

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*Invited Abstracts and Presentations at Meetings and Working Groups:*

1. **Hoover DR**, Guess FM. Analysis of Data with Response-Linked Censoring. South Carolina Statistical Association, Charleston, SC (February, 1989).
2. **Hoover DR**. Predicting the College Attendance Rate of High School Graduates. American Statistical Association Meeting, San Diego, CA (January, 1989) and also the Association for Counseling and Development Convention, San Diego, CA (February, 1989).
3. **Hoover DR**, Muñoz A, Carey V. Survival Analysis Using Truncated and Interval Censored AIDS Data. Biometric Society, Baltimore, MD (April, 1990).
4. **Hoover DR**, Muñoz A, Carey V, et al. The Unseen Sample in Cohort Studies: Estimation of Its Size and Effect. Statistics in Medicine Tenth Anniversary Session, 1990 ASA Meetings, Los Angeles, CA (August, 1990).
5. Muñoz A, **Hoover DR**, He D, et al. Time to AIDS in HIV Seropositive Individuals Providing Repeated Measurements in Markers and Covariates. Statistical Workshop in AIDS Trials, Boston, MA (December, 1990).
6. **Hoover DR**, Muñoz A, Chen B, et al. AIDS by CD4<200 and the Variability of the CD4 Test. Implementation of the Expanded AIDS Surveillance Case Definition. Centers for Disease Control, Atlanta, GA (August, 1991).
7. **Hoover DR**. Sensitivity and Specificity Issues for HIV-1 Testing in Groups and Subgroups of Individuals. American Society for Quality Control. Baltimore, MD (December 1991).
8. **Hoover DR**, Muñoz A, Carey V, et al. Estimating Historical and Future Seroconversion In Subgroups of Homosexual Men. Biometrical Society Meetings (ENAR), Cincinnati, OH (March, 1992).
9. **Hoover DR**, Muñoz A, Chen B, et al. CD4<sup>+</sup> cell measurement variability. Third Canadian Flow Cytometry Consensus Meeting, Aylmer, Quebec, Canada (September, 1992).
10. **Hoover DR**, He YD, Rinaldo CR. Long-Term CD4<sup>+</sup> Lymphocytopenia without AIDS Illness: Ascertaining It and Conducting a Study. Research Conference on Immunologic and Host Genetic Resistance to HIV Infection and Disease, Bethesda, MD (February, 1993).
11. **Hoover DR**. An Introduction to Research for Freshmen Practitioners' Focus on Diversity Conference of the Freshman Year Experience. Charleston, SC (May 1993).
12. **Hoover DR**, Muñoz A, He Y, et al. The Long Term Population Effectiveness of Anti-AIDS Therapies. Societal Institute of the Mathematical Sciences Conference on Quantitative Methods for Studying AIDS, Blaubeuren, Germany (June 1993).



13. **Hoover DR.** Quantification of the Effect of Pre-AIDS Treatment on Natural History and Incorporation into Backcalculation. EC Multinational Scenario Analysis concerning Social and Economic Impacts of HIV/AIDS on Society, Bilthoven, The Netherlands, (July 1995).
14. **Hoover DR,** Peng Y, Saah AJ, Detels R, Day R, Phair J. Estimating the Impact of a Prophylaxis on Disease and Death. FDA AIDS Task Force Workshop: Current Issues in AIDS Clinical Trials. Bethesda, MD (September 1995).
15. **Hoover DR,** Saah AJ, Guccione M, Rosenberg PS, Chmiel J, Detels R, Kingsley L. Observed HIV-1 Disease Progression Times in Gay Men with Access to Treatments. Oral presentation, Eleventh International Conference on AIDS, Vancouver, British Columbia (July 1996).
16. **Hoover DR,** Wu CO. Discussion of Semiparametric and Nonparametric Regression Analysis of Longitudinal Data. 2000 ASA Meetings, Indianapolis, IA (July, 2000).
17. **Hoover DR,** Cantor J, Kumar R, Sambamoorthi U, Crystal S. Mathematical Modeling Of End Of Life Expenditures In The 1992-1996 Medicare Beneficiary Survey 2002 International Conference on Computational and Mathematical Epidemiology Piscataway, NJ (July 2002).
18. **Hoover DR,** Issues in Epidemiological Analysis of Complex Data. DIMACS Working Group on Data Mining and Epidemiology Piscataway, NJ (May 2003).
19. Xia Q, **Hoover DR** Exact Methods For Group Sequential And Stratified Comparative Poisson Studies. Pfizer- Rutgers Colloquium New Brunswick, NJ (April 2007).

## VI. CLASSROOM INSTRUCTION

### STANFORD UNIVERSITY (*Quarter*)

*Laboratory Instructor:*

1985-86      Statistics and Probability for Engineers, STAT 101

### UNIVERSITY OF SOUTH CAROLINA (*Semester*)

*Primary Instructor:*

1987              Linear Models, STAT 714  
1988              Analysis of Variance, STAT 715  
1988              Applied Statistics 1, STAT 700  
1989              Statistical Methods 11, STAT 516  
1988-89          Statistical Consulting, STAT 798

### JOHNS HOPKINS UNIVERSITY (*Quarter*)

*Primary Instructor:*

1990-99          Epidemiological Methods EPI-6.04, EPI 4 [was EPI 3 prior to 1996]  
1997              Problem Solving and Communication in Statistical Practice

*Lecturer:*

1990-95          Analytical Issues in Infectious Disease Epidemiology, EPI 340.727  
1990              Epidemiology of Infectious Diseases, EPI-627  
1991-96          Public Health Aspects of HIV Infection and AIDS (Montgomery County), EPI-646  
1992-97          Applications of the Case/Control Method, EPI 340.841.11  
                         (Summer Epidemiology Program and Montgomery County Campus)  
1995-96          Epidemiology of AIDS

1996	Introduction to Epidemiology, EPI 280.350
1996	Principles of Epidemiology, EPI 601
1996	Current Issues in Clinical Trials
1998	Epidemiology and Natural History of Human Viral Infections, EPI 340.654
2000	Epidemiological Methods EPI-6.04, EPI 4

*Laboratory Instructor:*

1989-95 Principles of Epidemiology, EPI-601

RUTGERS UNIVERSITY (*Semester*)

*Primary Instructor:*

1999-2000	Business Statistics, STAT 285
2000	Interpretation of Data, STAT 586
2001	Statistical Practice, STAT 545
2004 2012-14	Observational Studies, Biostatistics I, STAT 584
2001-09,11-14	Clinical Trials, Biostatistics II, STAT 585
2008	Statistical Quality Control, STAT 540
2010	Life Data Analysis, STAT 542

ALBERT EINSTEIN – YESHEVA UNIVERSITY (*Quarter*)

*Lecturer*

2004, 06-10 Molecular Epidemiology: Principles and Practice

COURSES TAUGHT AT OTHER NATIONAL AND INTERNATIONAL INSTITUTIONS

1980	Amity Testing Institute, Santa Monica, CA Medical College Aptitude Test Preparation Course, <i>Lecturer</i> .
1980-81	Center for Career and Life Planning, Fullerton, CA. Scholastic Aptitude Examination Test Preparation (Eight Session Course), <i>Primary Instructor</i> .
1982	East Los Angeles City College, Monterey Park, CA. Scholastic Aptitude Test Preparation (Six Sessions), <i>Primary Instructor</i> .
1991	Escuela de Salud Publica de Mexico, Cuernavaca, Morelos, Mexico. Metodos Estadisticos Para el Analisis de Datos Temporales, <i>Primary Instructor</i> , 20 hrs.
1996	Malawi Ministry of Health, Blantyre, Malawi. HIV Surveillance and AIDS Epidemiology Works, <i>Primary Instructor</i> , 40 hours
2001	Malawi School of Medicine, Blantyre, Malawi. Continuing Education Seminar Series – Interim Analysis Plans, <i>Lecturer</i>
2010	Rwanda School of Public Health, Kigali Rwanda. Continuing Education Seminar Association and Causality, <i>Lecturer</i>
2010	Rwanda School of Medicine and King Faisel Hospital, Kigali Rwanda. Continuing Education Seminar. Rationale for and Elements of Clinical Trials, <i>Lecturer</i>
2012	Malawi Johns Hopkins Project, Blantyre, Malawi Study Design and Sample Size Consideration for Clinical Trials, Observational Studies and Data Safety and Monitoring Boards

**VII. OTHER UNIVERSITY SERVICE**

STANFORD UNIVERSITY

1986 Statistics Ph.D. Candidacy Examination, Student Member

UNIVERSITY OF SOUTH CAROLINA

1987-89	University Ethics Committee
1987-89	Statistics Executive Committee
1987-89	Statistical Laboratory Committee

1988 Statistics Advancement to Ph.D. Candidacy Examination  
1988-89 University Self Study Committee

#### JOHNS HOPKINS UNIVERSITY

1989-90 Maryland/Johns Hopkins Outbreak Response Team  
1989-99 Center for Clinical Trials  
1990-94 Center for AIDS Research  
1991-99 Comprehensive Examination Committee: *Chairman From 1995-99*  
1992-95 Masters in Public Health (MPH) Admissions Committee  
1995-97 Teaching Epidemiological Practice Committee

#### RUTGERS UNIVERSITY

1999-Present Department of Statistics Committees: *Biostatistics (1999-Present)*  
*Office of Statistical Consulting (1999 – Present)* *Graduate Curriculum*  
*(1999-2007)* *Department Bylaws (2007 – Present)* *Masters Exam*  
*(2007 - Present)*  
2000-2007 Livingston College Fellow: *Livingston College Curriculum Committee*  
*(2000-2007)*, *Fellows at Large Advisory Committee (2001-2007)*  
*Chairman of Livingston Fellows (2002-2004)*, *Chairman of*  
*Dean's Evaluation Committee (2002-2004)*, *Gonfalon Bearer 2003 &*  
*2004 Graduation Ceremony*  
2004-2005 University Senate Member *University Structure and Governance*  
*Committee*  
2007-Present School of Arts and Sciences *Academic Standing Committee*  
2009 Consultant for Rutgers Institutional Animal Care and Use Committee  
2010 – Present University Research Advisory Board  
2014 – Present Physical Sciences, Mathematics and Engineering Area Committee