CURRICULUM VITAE

 **Hung-Mo Lin, Sc.D., M.S.**

**Version Date:** January 31, 2023

**Proposed for:** Appointment to Professor, Department of Anesthesiology, Investigator Track, Yale

 School of Medicine

## Term: Primary Appointment: On a continuing basis beginning 01/01/2023

**School:** Yale University School of Medicine

**Education:**

B.A.: Taiwan University College 1990

M.S.: Harvard University, School of Public Health 1992

Sc.D: Harvard University, School of Public Health 1994

**Career/Academic Appointments:**

1992-1994 Research Assistant, Department of Biostatistics, Harvard University, School of Public Health, Boston, MA

1995-1998 Statistician, United Network for Organ Sharing, Richmond, VA

1998-2003 Assistant Professor, Department of Health Evaluation Sciences, College of Medicine, Pennsylvania State University, Hershey, PA

2003-2007 Associate Professor (tenured), Department of Health Evaluation Sciences, College of Medicine, Pennsylvania State University, Hershey, PA

2007-2014 Associate Professor, Department of Anesthesiology, Icahn School of Medicine at Mount Sinai, New York, NY

2012-2014 Associate Professor, Department of Population Health Science and Policy, Icahn School of Medicine at Mount Sinai, New York, NY

2014-2022 Professor, Department of Population Health Science and Policy, Icahn School of Medicine at Mount, Sinai, New York, NY

**Professional Honors & Recognition:**

1993-1994: Merck Predoctoral Fellowship

1997: Employee of the Month, United Network for Organ Sharing

**Grant/Clinical Trials History:**

**Active Grants**
 NCI/NIH

ID#: CA202911 (Balchandani,Priti)

Title: 7T Neurosurgical Mapping Protocol for Endoscopic Resection of Skull Base Tumors

Role on Project: Co-Investigator

Percent effort: 10%

Direct costs: $2,096,517 NCE

Projected period: 4/13/2016 - 3/31/2023

NIA/NIH

ID#: AG061093 (Schnaider-Beeri,Michal)

Title: Systematic and dietary advanced glycation end products in type 2 diabetes-related cognitive decline and incident dementia: effects on Alzheimer’s pathology and cerebrovascular disease

Role on Project: Co-Investigator

Percent effort: 10%

Direct costs: $4,194,623

Projected period: 2/1/2019 - 11/30/2024

NIMH/NIH

ID#: MH119523 (Morishita,Hirofumi)

Title: Mechanisms regulating the maturation of prefrontal top-down circuitry in control of attentional behavior

Role on Project: Co-Investigator

Percent effort: 10%

Direct costs: $3,368,471

Projected period: 7/5/2019 - 4/30/2024

NIA/NIH/Brown University

Title: Integration of Machine Learning and Clinical Decision Support to Prevent Postoperative Delirium in Patients with Cognitive Impairment

Role on Project: Co-Investigator

Percent effort: 5% 2023, 15% 2024

Direct costs: $804,056

Projected period: 7/1/2022 - 6/30/2024

NIH/Columbia University

ID#: HL153009 (Chung, W; Gelb, Bruce (Subaward PI))

Title: Identifying and applying genetic variation relevant to clinical outcomes for individuals with congenital heart disease

Role on Project: Co-Investigator

Percent effort: 0.45%

Direct costs: $422,928 NCE

Projected period: 8/1/2020 - 7/31/2025

NIDA/NIH

ID#: DA049547 (Alia, Klein)

Title: Atherosclerosis in cocaine addiction: imaging risk with PET/MR

Role on Project: Co-Investigator

Percent effort: 5%

Direct costs: $3,792,585

Projected period: 4/1/2022 - 3/31/2027

NCCIH/NIH

ID#: AT010627 (Goldstein,Rita)

Title: Neuroimaging response inhibition and salience attribution changes during mindfulness-based treatment of human heroin addiction

Role on Project: Statistician

Percent effort: 3%

Direct costs: $3,775,389

Projected period: 8/15/2019 - 6/30/2024

NIDA/NIH

ID#: DA048301 (Goldstein,Rita)

Title: Sex differences in the neural correlates underlying impairments in response inhibition and salience attribution in cocaine addiction

Role on Project: Co-Investigator

Percent effort: 5%

Direct costs: $3,438,353

Projected period: 4/1/2020 - 2/28/2025

NIDA/NIH

ID#: DA041528 (Goldstein,Rita)

Title: Using event-related potentials to longitudinally track cue-induces craving incubation in cocaine addicted individuals

Role on Project: Co-Investigator

Percent effort: 4%

Direct costs: $3,259,137

Projected period: 4/1/2016 – 1/31/2023

**Past Grants**

NIA/NIH

ID#: P50AG005138 (Sano, Mary)

Title: Alzheimer's Disease Research Center

Role on Project: Co-Investigator

Percent effort: 10%

Direct costs: $1,586,047

Projected period: 06/01/17-06/30/18

NIA/NIH

ID#: AG051545 (Schnaider-Beeri,Michal)

Title: Hyperbaric Oxygen Therapy for Cognition in Diabetic Elderly at High Dementia Risk

Role on Project: Statistician

Percent effort: 10%

Direct costs: $3,699,461

Projected period: 9/1/2016 - 5/31/2022

NCI/NIH

ID#: MH109544 (Balchandani,Priti)

Title: 7T MRI to reveal structural, connectomic and metabolic imaging markers for the neurobiology of depression

Role on Project: Co-Investigator

Percent effort: 10%

Direct costs: $2,103,874 NCE

Projected period: 4/1/2016-3/31/2021

NIDA/NIH

ID#: DA041528 (Goldstein, Rita)

Title: Using event-related potentials to longitudinally track cue-induces craving incubation in cocaine addicted individuals

Role on Project: Co-Investigator

Percent effort: 4%

Direct costs: $3,259,137

Projected period: 4/1/2016 - 3/31/2021

NHLBI/NIH

ID#: HL098123 (Gelb, Bruce)

Title: Genetics of conotruncal defects and associated neurodevelopmental outcomes

Role on Project: Co-Investigator

Percent effort: 5%

Direct costs: $268,992

Projected period: 8/1/15 – 7/31/20

NIDA/NIH

ID#: DA039232 (Hildebrandt, Thomas)

Title: The Activating Role of Exercise Stress in the Allostatic Model of Steroid Abuse

Role on Project: Co-Investigator

Percent effort: 5%

Direct costs: $295,073

Projected period: 9/01/15 – 8/31/19

NIA/NIH

ID#: AG040624-01 (Deiner, Stacie)

Title: The geriatric surgical patient: stress, anesthetics, and functional outcomes

Role on Project: Co-Investigator

Percent effort: 5%

Direct costs: $84,750

Projected period: 9/1/2011-8/31/2013

NHLBI/NIH

ID#: HL45636 (Griepp, Randall)

Title: Cerebral Function after Hypothermic Circulatory Arrest

Role on Project: Co-Investigator

Percent effort: 8.3%

Direct costs: $613,866

Projected period: 12/01/2008 – 11/30/2012

NIA/NIH

ID#: AG029656-02 (Silverstein, Jeffery)

Title: Perioperative Cognitive Protection-Dexmedetomidine and Cognitive Reserve

Role on Project: Statistician

Percent effort: 5%

Direct costs: $412,614

Projected period: 9/1/2007-06/30/2012

NINDS/NIH

ID#: M01RR000071-46 (Pappagallo, Marco)

Title: A Pilot Trial of IV Pamidronate for Low Back Pain

Percent effort: 5%

Direct costs: $13,213

Projected period: 8/1/2007 – 7/31/2012

Endo (Pappagallo, Marco)

Title: A Pilot Study of an 8-Hour Rapid Opioid Rotation and Titration

Role on Project: Co-Investigator

Percent effort: 5%

Projected period: 8/1/2009 – 7/31/2012

Pfizer (Liao, Duanping)

Title: Multiple metabolic syndrome and the development of cardiac and cerebral vascular disease and mortality

Role on Project: Statistician

Percent effort: 10%

Projected period: 6/1/2005 – 12/31/2007

Pfizer (Liao, Duanping)

Title: Epidemiologic study of age-related macular degeneration

Role on Project: Co-Investigator

Percent effort: 10%

Projected period: 8/1/2004 – 2/28/2007

Health Effects Institute (Qian, Zhengmin)

Title: Ambient particle air pollution and daily mortality in Wuhan

Role on Project: Co-Investigator

Percent effort: 20%

Direct costs: Unknown

Projected period: 7/1/2004 – 9/30/2006

NIH

ID#: R01 ES 012238-02 (Liao, Duanping)

Title: Environmental epidemiology of arrhythmogenesis in the Women’s Health Initiative Study

Role on Project: Co-Investigator

Percent effort: 5%

Projected period: 9/1/2003 – 12/31/2007

Pfizer (Liao, Duanping)

Title: Synergetic effects of hypertension, dyslipidemia, and diabetes on the development of cardiac and cerebral vascular disease and mortality in the United States population

Role on Project: Co-Investigator

Percent effort: 20%

Projected period: 12/1/2002–9/30/2007

NHLBI/NIH

ID#: R01 HL 63772-01A2 (Bixler, Edwards)

Title: Prevalence of sleep disordered breathing in children

Role on Project: Co-Investigator

Percent effort: 20%

Direct costs: $269,325

Projected period: 7/1/2001–6/30/2006

NHLBI/NIH

ID#: R37 HL034788-15 (Floros, Joanna)

Title: Surfactant proteins and respiratory distress syndrome

Role on Project: Co-Investigator

Percent effort: 10%

Direct costs: $512,066

Projected period: 7/1/2001 – 3/31/2002

AHRQ

ID#: R03 (Lin, Hung-Mo)

Title: Assessing regression to the mean and intervention effect

Role on Project: Principal Investigator

Percent effort: 20%

Projected period: 4/1/2001 – 3/31/2003

NHLBI/NIH

ID#: R01 HL064415-03 (Vgontzas, Alexandros)

Title: Role of cytokines in sleepiness and sleep apnea

Role on Project: Co-Investigator

Percent effort: 10%

Direct costs: $234,900

Projected period: 8/1/2000–7/31/2004

NIEHS/NIH

ID#: R01 ES010189 (Liao, Duanping)

Title: Cardiovascular responses to particulate air pollution

Role on Project: Co-Investigator

Percent effort: 10%

Direct costs: $173,799

Projected period: 5/1/2000–4/30/2003

NIAID/NIH

ID#: P01 AI 37829-07 (Howett, Mary)

Title: Microbicides in Model Systems

Role on Project: Co-Investigator

Percent effort: 5%

Direct costs: $944,931

Projected period: 9/1/1999 – 7/31/2003

American Heart Association (Liao, Duanping)

Title: Genetic epidemiology of sclerosis, atherosclerosis, and their sequelae

Role on Project: Co-Investigator

Percent effort: 10%

Projected period: 7/1/1998 – 12/31/2001

NICHD/NIH

ID#: R01 HD025973-07 (Lloyd, Thomas)

Title: Reproductive development and bone accretion in young women

Role on Project: Co-Investigator

Percent effort: 10%

Direct costs: $187,972

Projected period: 12/1/1994 – 11/30/1999

NHLBI/NIH

ID#: R01 HL051931-01 (Bixler, Edwards)

Title: Prevalence of sleep apnea in women

Role on Project: Co-Investigator

Percent effort: 10%

Direct costs: $185,290

Projected period: 4/1/1994-2/29/2000

# Invited Speaking Engagements, Presentations, Symposia & Workshops:

**International/National**

2022: Session Chair: What we learned statistically through COVID-19 Pandemic-Related Research. Joint Statistical Association Meeting

2018: Firth adjustment for parametric current-status survival analysis. American Heart Association Meeting, Vancouver, B.C., Canada – August, 2018

2018: International Anesthesia Research Society. Chicago IL, USA

2016: An interval-censored proportional hazards model. Joint Statistical Association Meeting.

2016: Power and sample size calculations for interval-censored survival analysis. American Heart Association Meeting

2015: Penalizing Hospitals for Excess Heart Failure Readmissions: Probability of Hospital American Heart Association Meeting

2014: A simple approach for sample size calculation for comparing two dependent concordance correlation coefficients. Joint Statistical Association Meeting

2010: A multiple imputation approach for estimating rank correlation with left-censored data. Joint Statistical Association Meeting,

2012: Estimating agreement coefficients from sample survey data. Joint Statistical Association Meeting.

2010: Correlation for misclassification in testing differences in group means using validation data. Joint Statistical Association Meeting

2009: International study of public health and air pollution in Asia: Statistical consideration. Department of Statistics, National Chengchi University, Taipei, Taiwan

2009: International study of public health and air pollution in Asia: Statistical consideration. Department of Biostatistics, China Medical College, Taichung, Taiwan

2009: Correction for two-group sample size calculation with uncertain group membership. Joint Statistical Association Meeting.

2008: Power and sample size calculation for current status survival analysis. Joint Statistical Association Meeting

2007: Resampling dependent concordance correlation coefficients. Eastern North American Region, International Biometrics Society Spring Meeting

2006: Estimation of the intervention effect with pre- and post- mismeasured binary responses. Center of Diseases and Controls, Atlanta, GA

2006: Permutation test for dependent concordance correlation coefficients.  Joint Statistical Association Meeting

2006: Power calculation for ZIP and ZINB. XXIIIrd International Biometric Conference

2005: Power calculations for a zero-inflated Poisson model. Eastern North American Region, International Biometrics Society Spring Meeting

2004: Statistical method for analyzing daily air pollution and mortality data. Academy of Environmental Sciences, Wuhan, China

2004: The Public Health and Air Pollution in Asia research: Wuhan China Study. Better Air Quality Meeting. Agra, India

2004: Modeling Kappa with Missing Data.  International Conference on Statistics in Health Sciences.

2004: Bias in a placebo-controlled study due to mismeasurement of disease status and regression effect. Joint Statistical Association Meeting

2004: Ambient particle air pollution and daily mortality in Wuhan. The Public Health and Air Pollution in Asia Investigators’ Meeting. Bangkok, Thailand

2003: Addressing McNemar’s test hypothesis when the primary data are mismeasured. American College of Epidemiology

2003: Analytic and study design considerations for single-armed trials involving a repeated and mismeasured binary outcome. Chapel Hill, North Carolina

2002: Design and analytic considerations for single-armed studies with mismeasured repeated binary outcome. Joint Statistical Association Meeting

2002: Estimation of the intervention effect in a nonrandomized uncontrolled study with mismeasured repeated binary outcome. Joint Statistical Association Meeting

2001: Power calculations for the comparison of dependent kappa statistics. Joint Statistical Association Meeting

2001: Prevalence of sleep disordered breathing and its association with hypertension. Congress of Epidemiology

1999: A goodness-of-fit statistic for categorical response models.  Joint Statistical Association Meeting

1997: A simple two-sample rank test for multivariate survival outcomes with left truncation and right censoring. Joint Statistical Association Meeting

1997: 1997 Report of center-specific graft and patient survival rates. Division of Transplantation, United States Department of Health and Human Services, Rockville, Maryland.

1997: Report of center-specific graft and patient survival rates. American Transplantation Society Meeting

1993: Use of historical marker data for assessing treatment effects in Phase I/II trials when subject to selection determined by marker level. Eastern North American Region, International Biometrics Society Spring Meeting

**Regional/Institutional**

2021: Department of Anesthesiology Grand Rounds – Icahn School of Medicine at Mount Sinai Title: Confounding, Mediation, Effect Measure Modification

2021: Department of Anesthesiology Grand Rounds – Icahn School of Medicine at Mount Sinai Title: Collaborating with Colleagues in Biostatistics

2016: Power and sample size calculations for interval-censored survival analysis. Pennsylvania State University, Hershey, Pennsylvania – November, 2016.

2016: The impact of hospital size on CMS hospital profiling. I-HDS Work In Progress meeting, Icahn School of Medicine at Mount Sinai, New York, NY – November, 2016.

2014: A simple approach for sample size calculation for comparing two concordance correlation coefficients estimated on the same subjects. Albert Einstein College of Medicine of Yeshiva University, NY – February, 2014.

2009: A practical approach to computing power for generalized linear models with nominal, count, or ordinal responses. Icahn School of Medicine at Mount Sinai Center for Biostatistics, New York, NY – May, 2009.

2007: A practical approach to computing power for generalized linear models with nominal, count, or ordinal responses. Bristol Myers Squibb, Lawrenceville, NJ – March, 2007.

2007: A practical approach to computing power for generalized linear models with nominal, count, or ordinal responses. University of Medicine and Dentistry of New Jersey, NJ – March, 2007.

1999: The analysis of uncontrolled treatment changes in HIV clinical trials. Department of Statistics, Pennsylvania State University, State College, Pennsylvania – September, 1999.

1999: The analysis of uncontrolled treatment changes in HIV clinical trials. Department of Biostatistics, University of Pennsylvania, Philadelphia, Pennsylvania – October, 1999.

1994: Use of historical marker data for assessing treatment effects in Phase I/II trials when subject to selection determined by marker level. Merck, NJ – 1994.

**Professional Service**

**Peer Review Groups/Grant Study Sections/Data Safety and Monitoring Boards:**

**Data Safety Monitoring Board**

NHLBI 1 R34 HL143747-01: Comprehensive Home-based Self-management Support for COPD Patients

PI: Alex Federman, Juan Wisnivesky, Michael Wolf

Dates 2021

**Review Panels:**

Environmental Protection Agency, Washington, DC

“Long-term effects of air pollutions on cardiopulmonary health”

Position: Reviewer

Dates: 11/2003

Environmental Protection Agency, Washington, DC

“Long-term effects of air pollutions on cardiopulmonary health”

Position: Reviewer

Dates: 2/2004

**Journal Service:**

Editorial Positions

2007-present Editor, *American Journal of Physiology: Endocrinology and Metabolism*

2020-present Editor, *Journal of Cardiothoracic and Vascular Anesthesia*

Reviewers

1/97-present Biometrics

 Statistics in Medicine

 Journal of Clinical Densitometry

 Journal of Biopharmaceutical Statistics

 Environmental Health Prospective

 Depression and Anxiety

American Journal of Physiology: Endocrinology and Metabolism

 Journal of Air and Waste Management

 American Heart Journal

 American Journal of Public Health

 British Journal of Anesthesiology

 Journal of Cardiothoracic and Vascular Anesthesia

**Professional Service for Professional Organizations:**

***Central Pennsylvania Oncology Group***

1998 Statistical consultant.

***American Statistical Association***

1996-present Member

**PENNSYLVANIA STATE UNIVERSITY SERVICE**

***Medical School Appointments***

1999–2006 Course director for the “Biostatistics I”. The course was a 3-credit course for the departmental master degree and the institutional K30 programs

* 1. Member, Institutional Review Board (weekly).

1999-2007 Member, Medical Student Research Committee

***Departmental Committees***

1. – 2007 Member, Admission Committee

2001–2007 Member, Graduate Program Education Committee

**ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI**

***Medical School Appointments***

2009-2011 Statistician, Patient Satisfaction Committee

2012-present Member, Biostatistics, Ethics, and Research Design

2012-present Member, Center for Biostatistics

* 1. Course director, “Applied Regression II” for Spring II, 2013-2016. The course was offered to the students in the MPH program.
	2. Course director, “Theory for Linear and Generalized Linear Models” for Spring I.. The course was offered to the students in the Master of Biostatistics program.

2020 Member, COVID-19 Data Analytic Team for Hospital Operation

* 1. Member, COVID-19 Convalescent Plasma Study Team
	2. Committee member, COVID-19 Observational Studies Scientific Review Board.

2021-2022 Panelist, Mount Sinai Faculty Well-being and Development

1. Mentor, NSF Racial Equity in STEM Education Initiative

2022 Member, Analytic Team for Mount Sinai Pragmatic trial ‘Realtime Streaming Clinical Use Engine for Medical Escalation’

***Departmental Committees***

2020-present Member, Admission Committee

2022-present Member, Green Card Sponsorship Committee

2020 Chair, Discretionary Funding Committee, Center for Biostatistics

**Bibliography:**

**Peer-Reviewed Original Research**

1. **Lin H-M**, Hughes MD. Use of historical marker data for assessing treatment effects in Phase I/II trials when subject to selection determined by marker level. *Biometrics* 1995; 51:1053-63.
2. Hosenpud JD, Edwards BB, **Lin H-M**, Daily OP. The influence of HLA matching on thoracic transplant outcomes: an analysis from the UNOS/ISHLT thoracic registry. *Circulation* 1996; 94:170-4.
3. **Lin H-M**, Hughes MD. The analysis of uncontrolled treatment changes in HIV clinical trials. *Statistics in Medicine* 1996; 15:2053-67.
4. **Lin H-M**, Hughes MD. Assessing the effects of intervention using longitudinal data with samples subject to selection. *Biometrics* 1997; 53:924-36.
5. **Lin H-M**, Kauffman HM, McBride M, Davies D, Rosendale JD, Smith CM, Edwards EE, Daily DP, Kirklin J, Shield CF, Hunsicker LG. United Network for Organ Sharing: 1997 report of center specific graft and patient survival rates. *JAMA* 1998; 280:1153-60.
6. Bryan CF, Mitchell SI, **Lin H-M**, Nelson PW, Shield CF, Luger AM, Pierce GE, Ross G, Warady BA, Aeder MI, Helling TS, Landreneau MD, Harrell KM. The influence of the Rh blood group system on graft survival in renal transplantation. *Transplantation* 1998; 65:588-92.
7. Watterberg KL, Gerdes JS, Gifford KL, **Lin H-M**. Prophylaxis against early adrenal insufficiency to prevent chronic lung disease in premature infants. *Pediatrics* 1999; 104:1258-63.
8. Bixler EO, Vgontzas AN, **Lin H-M**, TenHave T, Leiby B, Vela-Bueno A, Kales A. Association of hypertension and sleep disordered breathing. *Archive of Internal Medicine* 2000; 160:2289-95.
9. Floros J, **Lin H-M**, Garcia A, Salazar MA, Guo X, DiAngelo S, Montano M, Luo J, Pardo A, Selman M. Surfactant protein genetic marker alleles identify a subgroup of tuberculosis in a Mexican population. *Journal of Infectious Disease* 2000; 182:1473-8.
10. Guo X, **Lin H-M**, Lin Z, Montano M, Sansores R, Wang G, DiAngelo S, Pardo A, Selman M, Floros J. Polymorphisms of surfactant protein gene A, B, D, and SP-B-linked microsatellite markers in COPD of a Mexican population. *Chest* 2000; 117:S1-2.
11. Lloyd T, Taylor DS, **Lin H-M**, Matthews AE, Eggli DF, Legro RS. Oral contraceptive use by teenage women does not affect peak bone mass: a longitudinal study. *Fertility Sterility* 2000; 47:734-8.
12. Legro RS, **Lin H-M**, Demers LM, Lloyd T. Rapid maturation of the reproductive axis during perimenarche Independent of Body Composition. *Journal of Clinical Endocrinology and Metabolism* 2000; 85:1-5.
13. Vgontzas AN, Papanicolaou DA, Bixler EO, Hopper K, Lotsikas A, **Lin H-M**, Kales A, Chrousos GP. Sleep apnea and daytime sleepiness and fatigue: Relations with visceral obesity, insulin resistance, and hypercytokinemia. *Journal Clinical Endocrinology and Metabolism* 2000; 85:1151-8.
14. Bixler EO, Vgontzas AN, **Lin H-M**, TenHave T, Rein J, Vela-Bueno A, Kales A. Prevalence of sleep disordered breathing in women: effects of gender. *American Journal Respiratory Critical Care Medicine* 2001; 162:1-6.
15. Duan Y, **Lin H-M**, Leiby B. Genetic polymorphisms of two renin-angiotensin system components and the sclerosis, atherosis, and their sequelae. *AHA Research Symposium* 2001; 11-31.
16. Guo X, **Lin H-M**, Lin Z, Montano M, Sansores R, Wang G, DiAngelo S, Pardo A, Selman M., Floros J. Surfactant protein gene A, B and D marker alleles in chronic obstructive pulmonary disease of a Mexican population. *European Respiratory Journal* 2001; 18:482-90.
17. **Lin H-M**, Chinchilli VM. A correlation coefficient to assess the relationship between two sets of multivariate responses. *Journal of Biopharmaceutical Statistics* 2001; 11:139-54.
18. Naeye RL, **Lin H-M**. Determination of the timing of fetal brain damage from hypoxemia-ischemia. *American Journal of Obstetrics and Gynecology* 2001; 184:217-24.
19. Vgontzas AN, Bixler EO, Wittman AM, Zachman K, **Lin H-M**, Vela-Bueno A, Kales A, Chrousos GP. Middle-aged men show higher sensitivity of their sleep to the arousing effects of corticotropin-releasing hormone than young men: clinical implications. *Journal of Clinical Endocrinology and Metabolism* 2001; 86:1489-95.
20. Vgontzas AN, Bixler EO, **Lin H-M**, Prolo P, Mastorakos G, Vela-Bueno A, Kales A, Chrousos GP. Chronic insomnia is associated with nyctohemeral activation of the hypothalamic-pituitary-adrenal axis: clinical implications. *Journal of Clinical Endocrinology and Metabolism* 2001; 86:3787-94.
21. Bixler EO, Vgontzas AN, **Lin H-M**, Vela-Bueno A, Kales, A. Insomnia in Central Pennsylvania. *Journal of Psychosomatic Research* 2002; 53:589-92.
22. **Lin H-M**, Lyles RH, Williamson JM. Bias in a placebo-controlled study due to mismeasurement of disease status and regression effect. *Control Clinical Trials* 2002; 23:497-501.
23. Lloyd T, Beck TJ, **Lin H-M**, Tulchinsky M, Eggli DF, Oreskovic TL, Seeman E, Cavanagh PR. Modifiable determinants of bone status in young women. *Bone* 2002; 30:416-21.
24. Lloyd T, **Lin H-M**, Matthews AE, Bentley CM, Demers LM, Legro RS. Oral contraceptives use by teenage women does not affect body composition: A longitudinal study. *Obstetrics and Gynecology* 2002; 100:235-9.
25. Lloyd T, **Lin H-M**, Eggli DF, Dodson WC, Demers LM, Legro RS. Adolescent Caucasian mothers have reduced adult hip bone density. *Fertility Sterility* 2002; 77:136-40.
26. Williamson JM, **Lin H-M**, Bush T. A simple two-sample rank test for multivariate survival outcomes with left truncation and right censoring. *Biometrical Journal* 2002; 44:213-25.
27. Vgontzas AN, Zoumakis M, Papanicolaou DA, Bixler EO, Prolo P, **Lin H-M**, Vela-Bueno A, Kales A. Chrousos GP. Chronic insomnia is associated with a shift of interleukin-6 and tumor necrosis factor secretion from nighttime to daytime. *Metabolism* 2002; 51:887-92.
28. Bixler EO, Vgontzas AN, **Lin H-M**, Vela-Bueno A, Kales, A. Women and sleep related disorders. *European Respiratory Monograph* 2003; 25:204-18.
29. **Lin H-M**, Williamson JM, Lipsitz SR. Calculating power for the comparison of dependent kappa coefficients. Applied Statistics 2003; 52:391-404.
30. Legro RS, **Lin H-M**, Demers LM, Lloyd T. Urinary free cortisol values increase in adolescent women during perimenarche. *Journal of Clinical Endocrinology and Metabolism* 2003; 88:215-9.
31. Selman M, **Lin H-M**, Montaño M, Jenkins AL, Estrada A, Lin Z, Wang G, DiAngelo SS, Guo X, Umstead TM, Lang CM, Pardo A, Phelps DS, Floros J. Surfactant protein A and B genetic variants predispose to idiopathic pulmonary fibrosis. *Human Genetics* 2003; 113:542-50.
32. Williamson JM, **Lin H-M**, Barnhart HX. A classification statistics for GEE categorical response models. *Journal of Data Analysis* 2003; 1:149-65.
33. Vgontzas AN, Zoumakis M, Papanicolaou DA, Bixler EO, **Lin H-M**, Vela-Beuno A, Kales A, Chrousos GP. Impaired nighttime sleep is healthy old vs. young adults is associated with elevated plasma IL-6 and cortisol levels: Physiologic and therapeutic implications. *Journal of Clinical Endocrinology and Metabolism* 2003; 88:2087-95.
34. Liao D, Duan Y, Whitsel EA, Zheng Z, Heiss G, Chinchilli VM, **Lin H-M**. Association of higher levels of ambient criteria pollutants with impaired cardiac autonomic control - A population-based Study. *American Journal of Epidemiology* 2004; 159:768-77.
35. Lloyd T, Petit MA, **Lin H-M**, Beck TJ. Lifestyle factors and the development of bone mass and bone strength in young women. *Journal of Pediatrics* 2004; 144:776-82.
36. Lyles RH, **Lin H-M**, Williamson JM. Design and analytic considerations for single-armed studies subject to outcome misclassification. *Journal of Biopharmaceutical Statistics* 2004; 18:229-47.
37. Petit MA, Beck TJ, **Lin H-M**, Bentley C, Legro R, Lloyd T. Femoral bone structural geometry adapts to mechanical loading and is influenced by sex steroids: The Penn State Young Women's Health Study. *Bone* 2004; 35:750-59.
38. Qian Z. Liao D, **Lin H-M**, Whitsel E, Rose K, Duan K. Association of long-term exposure to ambient particulates and ozone with lung function in American adults-a population based study. *Epidemiology* 2004; 15:S46.
39. Vgontzas AN, Zoumakis M, Bixler EO, **Lin H-M**, Follett H, Kales A, Chrousos GP. Adverse effects of modest sleep restriction on sleepiness, performance, and inflammatory cytokines. *Journal of Clinical Endocrinology and Metabolism* 2004; 89:2119-26.
40. Vgontzas AN, Zoumakis M, **Lin H-M**, Bixler EO, Trakada G, Chrousos GP. Marked decrease in sleepiness in patients with sleep apnea by etanercept, a tumor necrosis factor-alpha antagonist. *Journal of Clinical Endocrinology and Metabolism* 2004; 89:4409-13.
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