
BIOGRAPHICAL SKETCH

NAME: Klein, Jonathan D

eRA COMMONS USER NAME (credential, e.g., agency login): JONKLEIN

POSITION TITLE: Marron and Elizabeth Kendrick Professor and Chief, Division of Adolescent Medicine
Stanford University

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
Brandeis University, Waltham MA	BA	1979	Biology
Harvard School of Public Health, Boston MA	MPH	1984	Health Policy & Mgmt.
UMDNJ –New Jersey Medical School, Newark NJ	MD	1984	Medicine
Boston Floating Hospital, New England Medical Center, Boston MA		1984-88	Pediatric Resident and Chief Resident

A. Personal Statement

Dr. Jonathan D. Klein is the Marron and Elizabeth Kendrick Professor and Chief of the Division of Adolescent Medicine at Stanford University. A pediatrician and health-services researcher, Dr. Klein's research expertise includes tobacco control, adolescent and young adult health and development, preventive services implementation, survey methodology, qualitative and quantitative health services research studies with clinicians and with children and youth, and community-based program evaluation. His work includes CDC-funded evaluation of adolescent pregnancy prevention/youth development coalitions; validity and reliability of adolescent self-report of health behaviors and health services use studies; service as survey methodologist for the National Center for Deaf Health Research Prevention Research Center; and CDC and Merck Foundation studies of adolescent confidentiality and private time during preventive care and other primary care encounters. Dr. Klein has mentored and supported numerous physician scientist and social and public health scholars. He has led Gates, Laerdal and USAID funded global health child survival interventions; and NCI, CDC and Robert Wood Johnson Foundation funded research in tobacco and secondhand smoke control and other clinical prevention interventions. He was founding director and PI for the AAP Julius B Richmond Center, a virtual center of excellence involving 7 academic institutions and the AAP, dedicated to the elimination of children's exposure to tobacco and secondhand smoke from 2009-2017, successfully competing for ~\$22M in grant support and mentoring several NCI RO1 and K awards. From 2009-2017 he was Associate Executive Director at the American Academy of Pediatrics (AAP), where he provided oversight for tobacco control, publishing, strategic planning, international health, and practice-based and other research initiatives. He also served as chair and Executive Director of NCD Child from 2014-18. He is President of the International Association for Adolescent Health and a member of the International Pediatric Association Standing Committee. While at the University of Illinois at Chicago from 2017-2023, he brought together several large collaborative efforts addressing COVID-19, both globally, serving as PI for the International Pediatric Association's project with UNICEF and WHO on COVID guidelines and child health, as mPI and study chair for the UIC IlliNET site for the NIH RECOVER study (Researching COVID to Enhance Recovery) of post acute covid syndrome (PASC), and as co-chair of the Adolescent Well-being workstream and vice-chair of the accountability and evidence workgroup for the Partnership for Women's Children's and Adolescents' Health (PMNCH).

Ongoing and recently completed projects include:

HHS -Office of Population Affairs 1 IAHAH000001-01-00 9/24 – 8/29
Policy Research to Support Adolescent Health and Wellbeing (Adolescent Health and Well-being Project)
PI: J. Klein

NIH/NHLBI L161847-01 (MPIs: Katz, Horwitz, Troxel) 10/21-5/25
NIH RECOVER: A Multi-site Observational Study of Post-Acute Sequelae of SARS-CoV-2 Infection in Adults.
Illinois-based Network (ILLnet) site. Contact PI: J. Krishnan Role: mPI and Study chair

Patient-Centered Outcomes Research Institute 10/18-9/23
Adolescent Mental, Emotional, and Behavioral Disorders Prevention in Primary Care Study (“AIMS”)
PI: B. Van Voorhees Role: Co-Investigator

UNICEF - International Pediatric Association (IPA) subcontract 5/20 – 6/22
IPA, UNICEF and WHO Collaboration on Child and Adolescent Health during COVID19
PI: J. Klein

B. Positions and Honors

Positions and Employment

1984-88 Chief Resident and Resident in Pediatrics, New England Medical Center, Boston MA
1985-88 Visiting Lecturer and Lecturer in Behavioral Sciences, Harvard School of Public Health, Boston MA
1988-90 Fellow, Robert Wood Johnson Clinical Scholars, University of North Carolina, Chapel Hill NC
1990-92 Research Assistant Professor, University of North Carolina, Chapel Hill NC
1992-98 Assistant Professor, University of Rochester School of Medicine, Rochester NY
1998-08 Associate Professor, University of Rochester School of Medicine, Rochester NY
2006-09 Associate Chair, Community and Government Affairs, Department of Pediatrics, University of
Rochester School of Medicine, Rochester NY
2006- Julius B. Richmond Center of Excellence, American Academy of Pediatrics, Director 2006-17;
Scientific Director 2017-2021
2007-09 Interim Chief, Division of Adolescent Medicine, University of Rochester School of Medicine,
Rochester NY
2008-09 Professor (with tenure), Departments of Pediatrics, Community & Preventive Medicine, Family
Medicine, University of Rochester School of Medicine, Rochester NY
2009-14 Professor (on leave), University of Rochester School of Medicine, Rochester NY
2009-17 Associate Executive Director, American Academy of Pediatrics, Elk Grove Village IL
2017 Visiting Scholar, University of California at San Francisco, San Francisco CA
2017-23 Professor and Executive Vice Head (Chair), Department of Pediatrics
University of Illinois at Chicago School of Medicine, Chicago, IL
2017-23 Member: Cancer Center; Center for Global Health; Institute for Health Policy and Research; Honors
College, University of Illinois at Chicago, Chicago, IL.
2020-23 Associate Vice Chancellor for Research, University of Illinois at Chicago, Chicago, IL
2023- Professor of Pediatrics and Division Chief, Adolescent Medicine, Stanford University, Palo Alto, CA

Other Experience, Professional Memberships, and Honors

2023-	WHO Strategic Advisory Group on Maternal, Child and Adolescent Health and Nutrition
2021-	PMNCH Accountability and Evidence Workgroup, Vice Chair 2021 –
2017-	International Association for Adolescent Health, N.Amer Vice Pres 2017-21; President 2021-25
2015-2016	WHO Global Coordinating Mechanism on Non-Communicable Diseases, Workgroup 3.1
2015-2018	PCORI Advisory Panel on Assessment of Prevention, Diagnosis and Treatment Options
2014-2015	Institute of Medicine Committee, Health Implications of Raising the Age for Purchasing Tobacco
2014-2020	NCD Child: Executive Director (2014-18); Immediate Past-Chair, Governing Council (2018-20)
2010 (Award)	Millie and Richard Brock Award in Pediatrics, New York Academy of Medicine
2009 (Award)	Society for Adolescent Medicine/Iris F. Litt Visiting Professorship in Adolescent Health Research
2009-2017	Pediatric Scientist Development Program Steering Committee
2009-	International Pediatric Association; Chair, Technical Assistance Group on NCDs 2014- 2019; Executive Committee 2019-25; Treasurer 2021 – 25; Standing Committee 2019-present
2003-	American Pediatric Society: Member; Leadership/Career Support Committee (2017-present)
1986-	American Academy of Pediatrics: Member and Chair, Committee on Adolescence 2003-2007
1986-	Society for Adolescent Health and Medicine: Member; Chair of Advocacy Committee 1995-99
1983-	American Public Health Association: Member: Medical Care Section
1983-	American Medical Association: Member; Alternate Delegate 2008-2017

C. Contributions to Science

1 – Confidentiality, reproductive health, and marijuana research with clinicians, adolescents and parents.

These studies contribute to recognition of the need for private one-on-one time in the context of primary care interventions, address the role of parents, clinicians and young people in the delivery of screening and prevention in clinical care settings and address the role of parents in reproductive health care and methods for measurement of positive youth development in communities. Dr. Klein served as PI and co-Investigator for these studies, and was a member of the US Preventive Services Task Force when it first addressed childhood obesity and overweight.

- a. **Klein JD**, Sabaratnam P, Pazos B, Auerbach MM, Havens CG, Brach MJ. Evaluation of the parents as primary sexuality educators program. *J Adolesc Health*. 2005 Sep;37(3):S94-9. PMID: 16115575
- b. Santelli JS, **Klein JD**, Song X, Heitel J, Grilo S, Wang M, Yan H, Kaseeska K, Gorzkowski J, Schneider M, Dereix AE, Catalozzi M. Discussion of Potentially Sensitive Topics With Young People. *Pediatrics*. 2019 Feb;143(2). doi: 10.1542/peds.2018-1403. Epub 2019 Jan 16. PubMed PMID: 30651304.
- c. **Klein JD**, Sabaratnam P, Matos M, Smith SM, Kodjo C, Lewis K, Ryan S, Dandino C. Development and Factor Structure of a Brief Instrument to Assess the Impact of Community Programs on Positive Youth Development: The Rochester Evaluation of Asset Development for Youth (READY) Tool. *J Adolesc Health*. 2006 Aug;39(2):252-60.
- d. Song X, **Klein JD**, Yan H, Catalozzi M, Wang X, Heitel J, Kaseeska K, Gorzkowski J, Santelli JS. Parent and Adolescent Attitudes Towards Preventive Care and Confidentiality. *J Adolesc Health*. 2019 Feb;64(2):235-241. doi: 10.1016/j.jadohealth.2018.08.015. Epub 2018 Nov 3. PMID: 30396723.

2 - Health services research in primary care practice with adolescents and young adults. These studies present exemplary findings from health services research addressing clinician behavior and measurement of care delivery through parent and patient report, including development and validation of measures, intervention development and testing, and tobacco and marijuana intervention studies in large primary care practice-based research projects in the AAP PROS national practice-based research network.

- a. Gorzkowski JA, **Klein JD**, Harris DL, Kaseeska KR, Whitmore Shaefer RM, Bocian AB, Davis JB, Gotlieb EM, Wasserman RC. Maintenance of Certification Part 4 Credit and recruitment for practice-based research. *Pediatrics*. 2014; 134(4):747-53. PMID: 25180282 PMCID: PMC4179094
- b. Grilo SA, Catalozzi M, Santelli JS, Yan H, Song X, Heitel J, Kaseeska K, Gorzkowski J, Dereix AE, **Klein JD**. Confidentiality Discussions and Private Time With a Health-Care Provider for Youth, United States, 2016. *J Adolesc Health*. 2019 Mar;64(3):311-318. doi: 10.1016/j.jadohealth.2018.10.301. PMID: 30638752
- c. **Klein JD**, Allan MJ, Elster AB, Stevens D, Cox C, Hedberg VA, Goodman RA. Improving Adolescent Preventive Care in Community Health Centers. *Pediatrics*. 2001;107:318-327.
- d. **Klein JD**, Sesselberg T, Johnson M, O'Connor K, Cook S, Coon M, Homer C, Krebs N, Washington R. Adoption of BMI Guidelines for Screening and Counseling in Pediatric Practice. *Pediatrics* 2010 Feb;125(2):265-72. Epub 2010 Jan 18.

3 - Health services studies and methodological contributions in diverse cultural and linguistic settings.

These studies involve descriptive and intervention research in diverse populations in the US and globally involving development and application of rigorous measurements and methodological approaches. These diverse reports are thematically related in that Dr. Klein served as co-investigator and as survey methodologist on these studies, leading and participating on teams which successfully addressed a range of language, literacy and cultural barriers to measurement of risky behaviors and cognitive development, and to research participation.

- a. Barnett S, **Klein JD**, Pollard RQ Jr, Samar V, Schlehofer D, Starr M, Sutter E, Yang H, Pearson TA. Community participatory research with deaf sign language users to identify health inequities. *American journal of public health*. 2011; 101(12):2235-8. PMID: 22021296 PMCID: PMC3222424
- b. Davidson PW, Cory-Slechta DA, Thurston SW, Huang LS, Shamlaye CF, Gunzler D, Watson G, van Wijngaarden E, Zareba G, **Klein JD**, Clarkson TW, Strain JJ, Myers GJ. Fish consumption and prenatal methylmercury exposure: cognitive and behavioral outcomes in the main cohort at 17 years from the Seychelles child development study. *Neurotoxicology*. 2011; 32(6):711-7. PMID: 21889535; PMCID: PMC3208775.
- c. **Klein JD**, Thomas RK, Sutter EJ. Self-reported smoking in online surveys: prevalence estimate validity and item format effects. *Med Care*. 2007 Jul;45(7):691-5. PMID: 17571019
- d. McMillen RC, Winickoff JP, Wilson K, Tanski S, **Klein JD**. A dual-frame sampling methodology to address landline replacement in tobacco control research. *Tob Control*. 2015 Jan;24(1):7-10. doi: 10.1136/tobaccocontrol-2012-050727. Epub 2013 Apr 17.

4 - COVID-19 and child and adolescent health. These papers summarize current research on the US NIH RECOVER study and treatment of post-acute COVID syndrome and on global translation of COVID-19 clinical and public health guidelines into actionable recommendations for practice and policy for maternal, child and adolescent health in low and middle income country settings.

- a. Harrison L, Carducci B, **Klein JD**, Bhutta ZA. Indirect effects of COVID-19 on child and adolescent mental health: an overview of systematic reviews. *BMJ Glob Health*. 2022 Dec;7(12). doi: 10.1136/bmjgh-2022-010713. Review. PubMed PMID: 36585030; PubMed Central PMCID: PMC9808753.
- b. **Klein JD**, Koletzko B, El-Shabrawi MH, Hadjipanayis A, Thacker N, Bhutta Z. Promoting and supporting children's health and healthcare during COVID-19. *Arch Dis Child*. 2020 Jul;105(7):620-624. doi: 10.1136/archdischild-2020-319370. Epub 2020 May 7. PubMed PMID: 32381517; PubMed Central PMCID: PMC7306270.

- c. Jiang L, Tang K, Levin M, Irfan O, Morris SK, Wilson K, **Klein JD**, Bhutta ZA. COVID-19 and multisystem inflammatory syndrome in children and adolescents. *Lancet Infect Dis*. 2020 Nov;20(11):e276-e288. doi: 10.1016/S1473-3099(20)30651-4. Epub 2020 Aug 17.
- d. Thaweethai T, Jolley SE, Karlson EW, et al. Development of a Definition of Postacute Sequelae of SARS-CoV-2 Infection. *JAMA*. 2023 Jun 13;329(22):1934-1946. doi: 10.1001/jama.2023.8823. PubMed PMID: 37278994; PubMed Central PMCID: PMC10214179.

5 - Interventions to decrease tobacco use and prevent tobacco smoke exposure. These studies examine primary care practice and community health interventions to prevent exposure of non-smokers to tobacco smoke, prevent youth initiation, evaluate clinical cessation interventions for adolescent and adult smokers, explore the effects of nicotine on development and behaviors, and address asking the right questions about tobacco and secondhand smoke. Dr. Klein served as PI and co-investigator on numerous grants and as senior author or research mentor for studies examining these questions.

- a. Pbert L, Farber H, Horn K, Lando HA, Muramoto M, O'Loughlin J, Tanski S, Wellman RJ, Winickoff JP, **Klein JD**; AAP Julius B. Richmond Center of Excellence Tobacco Consortium State-of-the-art office-based interventions to eliminate youth tobacco use: the past decade. *Pediatrics*. 2015 Apr;135(4):734-47. doi: 10.1542/peds.2014-2037. Epub 2015 Mar 16. PMID: 25780075.
- b. **Klein JD**, Chamberlin ME, Kress EA, Geraci MW, Rosenblatt S, Boykan R, et al. Asking the right questions about secondhand smoke. *Nicotine Tob Res*. 2019 Aug 13;. doi: 10.1093/ntr/ntz125. PMID: 31407779.
- c. McGrath-Morrow SA, Gorzkowski J, Groner JA, Rule AM, Wilson K, Tanski SE, Collaco JM, **Klein JD**. The Effects of Nicotine on Development. *Pediatrics*. 2020 Mar;145(3). doi: 10.1542/peds.2019-1346. Epub 2020 Feb 11. PMID: 32047098; PMCID: PMC7049940.
- d. McMillen R, **Klein JD**, Wilson K, Winickoff JP, Tanski S. E-Cigarette Use and Future Cigarette Initiation Among Never Smokers and Relapse Among Former Smokers in the PATH Study. *Public Health Rep*. 2019 Sep/Oct;134(5):528-536. doi: 10.1177/0033354919864369. PMID: 31419184.

Complete List of Published Work in NCBI (252 publications to date):

<https://www.ncbi.nlm.nih.gov/myncbi/1jwAC98qdaQQU/bibliography/public/>