

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Joshipura, Kaumudi		POSITION TITLE Professor of Epidemiology	
eRA COMMONS USER NAME (credential, e.g., agency login) kjoshipura			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	MM/YY	FIELD OF STUDY
Bombay University, India	BDS	1982	Dental Medicine
Harvard School of Public Health	MS	1989	Biostatistics
Harvard School of Public Health	ScD	1995	Epidemiology
American Board of Dental Public Health	Certificate	1999	Dental Public Health

A. Positions and Honors

Academic Appointments

1982-1983	Clinical Internship, Nair Hospital Dental College
1983-1988	Clinical Dentistry
1989-1993	Staff Associate, Biostatistics, Forsyth Dental Research Center, Boston
1992-1993	Clinical Instructor, Oral Health Policy and Epidemiology, Harvard School of Dental Medicine
1993-1995	Postdoctoral Fellow, Department of Oral Health Policy and Epidemiology, Harvard School of Dental Medicine; Dental Public Health Residency, HSDM
1995-1996	Instructor, OHPE, Harvard School of Dental Medicine
1996-2002	Assistant Professor, Oral Health Policy and Epidemiology, Harvard School of Dental Medicine
1996-2002	Adjunct Professor, Epidemiology, Harvard School of Public Health
2002-(Adjunct 2006-)	Associate Professor, Oral Health Policy and Epidemiology, Harvard School of Dental Medicine;
2002-2005	Adjunct Associate Professor, Epidemiology, Harvard School of Public Health
2005-	Professor of Epidemiology, University of Puerto Rico
2005-2007	Director, Ctr. for Clinical Research & Health Promotion, University of Puerto Rico
2006-	Adjunct Professor of Epidemiology, Harvard School of Public Health
2007-	NIH Endowed Chair & Director, Ctr. for Clinical Research & Health Promotion, UPR
Honors	
1993- 1995	Dentist Scientist Award, National Institute of Dental Research
1993- 1995	Dunning Fellowship, Harvard School of Dental Medicine
1994	Clinical Research Award in Periodontology from the American Academy of Periodontology
1995	James M. Dunning Award for excellence in health care delivery and research
1997	International Association of Dental Research Award for "Research in Prevention"
1998-	NIH ad hoc Grant Reviewer
2000, 2006	Faculty advisor for the best student abstract award project (IADR - BSHSR group)
2001-	Consultant, American Dental Association
2001- 2004	Vice President (2001-2002) and President (2002-2004), Nutrition Group, IADR
2003- 2006	Expert Panel Member. "Recommendations on Population Based Measures of Periodontal Disease" Centers for Disease Control & Prevention and American Academy of Periodontology
2004- 2005	IADR Councilor, Nutrition Group, IADR
2005	Inducted to Harvard Chapter of Omicron Kappa Upsilon Dental Honor Society

B. Selected peer-reviewed publications (in chronological order).

1. **Joshipura KJ**, Ascherio A, Manson JE, Stampfer MJ, Rimm EB, Speizer F, Hennekens CH, Spiegelman D, Willett W. Fruit and vegetable intake in relation to risk of ischemic stroke. *JAMA*.1999;282(23):1233-9. PMID:0517425
2. Merchant AT, Pitiphat W, Rimm E, **Joshipura KJ**. Increased Physical Activity Decreases Periodontitis in Men. *European Journal of Epidemiology*. 2003; 18: 891-8. PMID: 14561049
3. **Joshipura KJ**, Pitiphat, W, Crohin C, Merchant AT, Hankinson S, Manson JE7, Colditz G. Periodontal Disease and Biomarkers among Women. Abstract. *J Dent Res*. 2003; 82: B247.
4. **Joshipura KJ**, Wand HC, Merchant AT, Rimm EB. Periodontal disease and biomarkers related to cardiovascular disease. *J Dent Res*. 2004; 83(2): 151-155. PMID: 14742654
5. Hung, H, **Joshipura KJ**, Jiang R, Hu FB, Hunter D, Smith-Warner SA, Colditz GA, Rosner B, Spiegelman D, Willett WC. Fruit and Vegetable Intake and the Risk of Major Chronic Disease. *Journal of National Cancer Institute*. 2004; 96 (21) 1577-1584. PMID: 15523086
6. Mozaffarian D, Pischon T, Hankinson SE, Rifai N, **Joshipura KJ**, Willett WC, Rimm EB. Dietary Intake of trans-fatty acids and systemic inflammation among women. *Am J. of Clin. Nutrition*. 2004; 79(4): 606-612. PMID: PMC1282449
7. Pai JK, Pischon T, Ma J, Manson JE, Hankinson SE, **Joshipura KJ**, Curhan GC, Rifai N, Cannuscio CC, Stampfer MJ, Rimm EB. Inflammatory Markers and Risk of Coronary Heart Disease in US Men and Women. *New England Journal of Medicine*. 2004; 351 (25); 2599-2610. PMID: 15602020
8. Dietrich T, **Joshipura KJ**, Dawson-Hughes B, Bischoff HA. Association between serum concentrations of 25-hydroxyvitamin D3 and periodontal disease in the US population. *American Journal of Clinical Nutrition*. 2004; 80: 108-113. PMID: 15213036
9. Pitiphat W, Gillman MW, **Joshipura KJ**, Williams PL, Douglass CW, Rich-Edwards JW. Plasma c-reactive protein in early pregnancy and preterm delivery. *Am J Epidemiol*. 2005;162:1108-1113. PMID:1994922
10. Merchant A, Pitiphat W, Franz M, **Joshipura KJ**. Whole Grain and Fiber Intake and Periodontitis Risk in Men. *American Journal of Clinical Nutrition*. 2006. 83:1395-1400. PMID: 16762952
11. Pitiphat W, **Joshipura KJ**, Rich-Edwards JW, Williams P, Douglass C, Gillman MW. Periodontitis and plasma c-reactive protein during pregnancy. *Journal of Periodontology*. 2006; 77 (5) 821-825. PMID:1994911
12. Michaud D, Liu Y, Meyer M, Giovannucci E, **Joshipura KJ**. Periodontal Disease, Tooth Loss and Pancreatic Cancer Risk in Male Health Professionals. *Lancet Oncol*. 2008; 9(6):550-8. PMID: PMC2601530; NIHMSID210510
13. **Joshipura KJ**, Hung H, Li T, Hu F, Rimm E, Stampfer M, Colditz G, Willett W. Intake of fruits and vegetables, carbohydrate and the risk of cardiovascular disease. *Public Health Nutrition*. 2008; April 15:1-7. PMID:2736062
14. Pitiphat W, **Joshipura KJ**, Gillman MW, Williams PL, Douglass CW and Rich-Edwards JW. Maternal Periodontitis and Adverse Pregnancy Outcomes. *Community Dent Oral Epidemiol*. 2008; 36(1): 3-11. PMID: 18205634
15. Bazzano L, Li T, **Joshipura KJ**, Hu F. Intake of Fruit, Vegetable and Fruit Juices and Risk of Diabetes in Women. *Diabetes Care*. 2008; 31(7): 1311-7. PMID:2453647

C. Research Support

Ongoing Research

- R01 DE020111 (Joshipura) 05/15/10-02/28/15
 NIH-NIDCR
 Periodontitis and Glucose Homeostasis among Overweight and Obese Puerto Ricans
 The major goal is to assess the relationship between periodontal disease and precursors of type 2 diabetes and its potential pathways.
- K24 DE16884 (Joshipura) 09/15/05-06/30/11
 No cost extensión 07/01/11-06/30/12
 NIH-NIDCR
 Clinical Research and Mentoring in Oral Epidemiology
 The goal is to allow the principal investigator to expand research in oral and cardiovascular disease, and to spend more time in mentoring and retaining clinicians (dentist as well as physicians) in oral epidemiology research and in helping them to become independent clinical researchers.
- S21 MD001830 (Carlo) 09/30/05-08/31/08 corpus awarded
 NIH-NIDCR 09/01/08- interest on endowment
 Capacity Advancement in Research Infrastructure: School of Dental Medicine, University of Puerto Rico
 The project goals are to advance (via stable endowment funding) the research infrastructure and capacity of the University of Puerto Rico School of Dentistry and Graduate School of Public Health for the conduct, collaboration, and promotion of scientifically meritorious Research related to Health Disparities, while developing the “pipeline” of new minority researchers.
 Role: Endowed Chair (2007-)
- U01DK094446 (Joshipura) 12/1/11- 11/30/16
 NIH-NIDDK/NICHD
 Pregnancy and EARly Lifestyle improvement Study (PEARLS)
 The intervention will be conducted in pregnant women and their infants, focusing on improving: (1) physical activity levels, (2) diet quality and calorie intake, (3) behavioral imprinting and (4) prenatal care during group sessions. We will evaluate whether the combined intervention will reduce excessive gestational weight gain and early infant growth and improve insulin sensitivity of the pregnant women and infants, to maximize the positive impact on the cardiometabolic risk trajectories of future generations.

Completed Research

- U54RR19507-01 (Zorrilla) 10/24/05-08/31/09
 NIH-NCRR
 Puerto Rico Comprehensive Center (for the study of) HIV Disparity (PRCCHD)
 The study fosters the careers in clinical and prevention research in HIV among junior investigators for the three accredited medical schools in P.R. It is the first large collaborative effort of this nature among the three institutions.
 Role: Director, Epidemiology and Biostatistics Core
- T32 DE07151 (Douglass) 07/01/95– 08/31/08
 NIH-NIDCR
 New England Oral Disease Epidemiology Training Program
 Goal was to train pre-doctoral, post-doctoral, and mid-career individuals in Oral Epidemiology
 Role: Co-Director 07/01/98-10/23/05; Faculty Mentor 10/27/05 -08/31/08)
- K22DE015593 (Zavras) 05/01/05-04/30/08

NIH-NIDCR

Genetic Susceptibility to Oral Pre-malignancies

A nested case control investigation within the 51,529-member health professionals follow-up study to evaluate a genetic susceptibility to oral pre-malignancies.

Role: Co-Investigator

R03DE016357

(Dietrich)

01/10/05 – 31/7/07

NIH-NIDCR

A comprehensive smoking index to model smoking history

The long-term objective of this project is to establish a comprehensive smoking index (CSI) that accounts for smoking intensity, duration and time since cessation in a single variable as a function of its biological effect on disease risk over time.

Role: Co-Investigator

R01 DE017176

(Joshiपुरa)

09/01/06-08/31/11

NIH-NIDCR

Periodontitis, Biomarkers, and Cardiovascular Disease

The major goal is to assess the relation between periodontal disease and peripheral arterial disease and ischemic stroke and assess inflammatory mediators.