

PROMOTION RECOMMENDATION  
The University of Michigan  
School of Public Health  
Department of Epidemiology  
Department of Environmental Health Sciences

Approved by the  
Regents  
May 21, 2015

Eduardo Villamor, associate professor of epidemiology, with tenure, Department of Epidemiology, and associate professor of environmental health sciences, without tenure, Department of Environmental Health Sciences, School of Public Health, is recommended for promotion to professor of epidemiology, with tenure, Department of Epidemiology, and professor of environmental health sciences, without tenure, Department of Environmental Health Sciences, School of Public Health [also being promoted to research professor in the Center for Human Growth and Development].

Academic Degrees:

Dr.P.H.	2001	Harvard University, School of Public Health, Boston, MA
M.P.H.	1996	School of Public Health and Community Medicine, Hebrew University of Jerusalem, Hadassah, Israel
M.D.	1993	National University of Colombia Medical School, Bogotá, Colombia

Professional Record:

09/2012–present	Research Associate Professor, Center for Human Growth and Development, University of Michigan
01/2012–present	Associate Professor, Department of Epidemiology, University of Michigan
09/2009–present	Associate Professor, Department of Environmental Health Sciences, University of Michigan
09/2005–08/2009	Assistant Professor of International Nutrition, Department of Nutrition, Harvard School of Public Health, Boston, Massachusetts
04/2007–08/2009	Assistant Professor of International Nutrition, Department of Epidemiology, Harvard School of Public Health, Boston, Massachusetts
09/2008–08/2009	Assistant Professor of International Nutrition, Department of Society, Human Development and Health, Harvard School of Public Health, Boston, Massachusetts
08/2004–08/2005	Instructor, Department of Nutrition, Harvard School of Public Health, Boston, Massachusetts
2002–08/2004	Research Associate, Department of Nutrition, Harvard School of Public Health, Boston, Massachusetts
2001–2002	Research Fellow, Department of Nutrition, Harvard School of Public Health, Boston, Massachusetts
1996–2001	Assistant Professor, National University of Colombia Medical School, Bogotá
1994–1995	Physician, Health Service for Students, National University of Colombia, Bogotá
1993–1994	Intern in Medicine and Surgery, San Pedro Claver Clinic Social Security Institute, Bogotá
1991–1993	Research Assistant, Department of Morphology, National University of Colombia Medical School, Bogotá

### Summary of Evaluation:

Teaching: Dr. Villamor has a substantial teaching record and has made key contributions to our core epidemiologic methods training within the department. His teaching portfolio includes instruction for EPID 600, Introduction to Epidemiology, which is required of all MPH students and for many is their first exposure to epidemiology. With his co-instructor, Dr. Villamor redesigned this course in 2012 and has received very favorable teaching scores for a service course of this size (typically 85-100 students). He now solo teaches a 4-credit version of this course per our new master's curriculum. In addition to this core course, Dr. Villamor teaches specialized courses in his research area including courses in nutrition and developmental origins of disease. These courses have received stellar evaluations from students, most notably Q1 scores of 5 for his developmental origins of health and disease (EPID 673). Dr. Villamor has also made the unique contribution of teaching the first epidemiology course offered in Spanish in the department's Graduate Summer Session with excellent reviews. He has numerous teaching activities in international settings as part of his Center of Excellence for Prevention of Chronic Disease and Fogarty Lifespan Programs, and is involved in the teaching of Spanish and Latin American scholars at Harvard. He has mentored two doctoral students within epidemiology and nutrition at SPH and serves on the doctoral committees of two other students. He has mentored several post-doctoral fellows within the department as well as advising and supervising several capstone projects for master's students.

Research: Dr. Villamor's research is in the area of nutritional epidemiology with a focus on maternal and child health in global settings. His research is multi-disciplinary, cutting across epidemiology, nutrition, global health and pediatrics. He is currently the PI of two R-level NIH grants, one focused on the associations of fatty acids with cardio metabolic risk in childhood and adolescence and a second focused on associations of fatty acids with risk of dengue hemorrhagic fever. He is the PI (multiple with Dr. Nriagu) of a T37 grant funded by NIH/Fogarty International Center which is entitled Minority Health and Health Disparities International Training Program. This program fosters mentoring relationships between senior investigators and students from health disparities populations providing the students with an intensive international research experience related to health disparities that affect the health of low-income and minority children in the US and developing countries. He is also the PI (multiple with Dr. Diez-Roux) of another training initiative funded by NIH/Fogarty International Center which aims to strengthen the capacity of Latin American countries to address chronic diseases through a comprehensive training program that integrates multilevel and lifecourse approaches and emphasizes the importance of reducing social inequalities in chronic diseases. The program provides unique training opportunities for junior investigators from the international settings.

Dr. Villamor has made substantial contributions to the literature in his field, with 78 publications in leading medical and epidemiology journals since his last promotion, 33 of which were senior authored. The external recognition of his scholarly work is evidenced by the following: publication of high impact, frequently cited manuscripts (H-index of 11 since last promotion and 22 for lifetime; most cited paper – 193 citations), his role as deputy editor and associate editor of *Public Health Nutrition*, a leading journal in the field, invitations to present lectures and seminars across the U.S. and beyond, and invitations to serve as a reviewer for NIH, NSF and the Wellcome Trust. In summary, he is nationally and internationally recognized for his contributions to our knowledge of the influence of nutrition on maternal and child health, and has an established reputation.

### Recent and Significant Publications:

- Kasper NM, Herrán OF, Villamor E. "Obesity prevalence in Colombian adults is increasing fastest in lower socio-economic status groups and urban residents: Results from two nationally representative surveys." *Public Health Nutrition*, 2014 Nov; 17(11):2398-406.
- Villamor E, Marin C, Mora-Plazas M, Baylin A. "Vitamin D deficiency and age at menarche: A prospective study." *American Journal of Clinical Nutrition*, 2011 Oct; 94(4):1020-5.
- Thornton KA, Marin C, Mora-Plazas M, Villamor E. "Vitamin D deficiency associated with increased incidence of gastrointestinal and ear infections in school-age children." *The Pediatric Infectious Disease Journal*, 2013 Jun; 32(6):585-93.
- Villamor E, Cnattingius S. "Interpregnancy weight change and risk of adverse pregnancy outcomes: a population-based study." *Lancet*, 2006 Sep 30; 368(9542):1164-70.
- Villamor E, Koulinska IN, Aboud S, Murrin C, Bosch RJ, Manji KP, Fawzi WW. "Effect of vitamin supplements on HIV shedding in breast milk." *American Journal of Clinical Nutrition*, 2010 Oct; 92(4):881-6.

Service: Dr. Villamor has an outstanding record of service both internally and externally. Within the Department of Epidemiology, he has served on several committees including the master's curriculum committee and the international health committee. Most recently, he serves as a co-chair of the doctoral committee and coordinator of the departmental bi-weekly seminar series. He has also participated in faculty recruitment activities for our department and for the department of EHS. At the school level, Dr. Villamor served on the global health initiative committee for two years, and at the university level, he represented SPH on the Michigan Institute for Clinical and Health Research Biorepository Committee. He also served on the advisory council of the Michigan Nutrition and Obesity Research Center.

Dr. Villamor's external service is reflected in his participation as reviewer on study sections at the NIH, NSF, the Wellcome Trust, and other foundations. Between 2011 and 2014, he served as associate editor of *Public Health Nutrition* and was responsible for editorial decisions on a large number of manuscript submissions. Recently, he was appointed as deputy editor of the same journal. Dr. Villamor serves as a peer-reviewer to numerous journals, including several leading medical journals, and is a member of five professional societies in his field. Internationally, Dr. Villamor served on the advisory board that revised and published the dietary guidelines for Colombians in 2010.

### External Reviewers:

Reviewer (A): "I believe that Dr. Villamor's stature in the field and his national and international mediation is outstanding."

Reviewer (B): "What makes Dr. Villamor unique by my estimation, is the strong cross disciplinary nature of the work and then an overall focal area and the strength of the analytic techniques used to study a problem."

Reviewer (C): "Overall I believe that the quality, quantity, and scholarly impact of his research publications are outstanding. I can comfortably say that he would easily meet our criteria for promotion given his outstanding research productivity, proven ability to secure funding, strong mentoring, service contributions, and excellent teaching evaluations."

Reviewer (D): "I strongly support Dr. Villamor's candidacy for promotion to the rank of professor. Given his remarkable track record of research productivity, I am sure that he will maintain and increase his impact in the scholarly areas in which he works, particularly if he elects to narrow his research focus and is open to positions of national and international leadership."

Reviewer (E): "I am very impressed by the quality of his work and the maturity he has achieved in his scientific career."

Reviewer (F): "It is my impression that Dr. Villamor is among the most productive and important epidemiologists currently investigating the links between pregnancy and perinatal nutrition and child health outcomes."

Reviewer (G): "Dr. Villamor's work is highly competitive with others at his rank who work in nutritional epidemiology and international health, in both its breadth and also the novel and important results he has already obtained. He would be highly competitive for a similar position in my institution."

Reviewer (H): "Professor Villamor's accomplishments are notable and it is easy to support him for promotion to full professor. I am impressed not only by his productivity and effort, but also by his dedication to finding solutions to critically important problems. He would be promoted without hesitation at my current institution or at any of my former institutions."

#### Summary of Recommendation

Dr. Villamor is an outstanding researcher and a dedicated and creative teacher. His productivity has provided research and training opportunities that will be attractive to many current and future students. It is with the support of the School of Public Health Executive Committee that I recommend Eduardo Villamor for promotion to professor of epidemiology, with tenure, Department of Epidemiology, and professor of environmental health sciences, without tenure, Department of Environmental Health Sciences, School of Public Health.



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Martin A. Philbert  
Dean, School of Public Health,

May 2015