

## **CURRICULUM VITAE**

**Cristian Meghea**

### **PRESENT TITLE AND AFFILIATION**

#### **Primary Appointment**

Assistant Professor. Michigan State University, College of Human Medicine Institute for Health Care Studies. East Lansing, Michigan, USA. Since 2006

#### **Joint/Dual Appointment**

Assistant Professor. Michigan State University, College of Human Medicine, Department of Obstetrics, Gynecology & Reproductive Biology. East Lansing, Michigan, USA. Since 2010

Visiting Professor. Babes-Bolyai University, School of Public Health, Center for Health Policy and Public Health. Cluj-Napoca, Romania. Since 2007

#### **Previous Employment**

Senior Researcher. American College of Radiology, Reston, Virginia, USA. 2004 - 2006

Research Assistant. Center for Policy Research, Syracuse University, Syracuse, New York, USA. 2001 - 2003

### **NATIONALITY**

U.S. Permanent Resident and Romanian citizenship

### **OFFICE ADDRESS**

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### **EDUCATION**

Maxwell School, Syracuse University, Syracuse, NY, USA. Ph.D., Economics, 2004

Faculty of Economics, Babes-Bolyai University, Cluj-Napoca, Romania. B.A., Economics, 1998.

### **AREAS OF INTEREST**

Maternal and Child Health, Global Health, Health Policy, Health Services Research, Women's Health.

### **ONGOING GRANTS AND AWARDS**

Principal Investigator. "Family Smoking Cessation in Romania Using Pregnancy as a Window of Opportunity." The purpose of this 5-year K01 career development award is to lead to an independent research career focused on global

Cristian Meghea, PhD.

Institute for Health Policy, and Department of Obstetrics, Gynecology and Reproductive Biology, Michigan State University health. The long term goal of my research program is to develop, implement, and disseminate effective and sustainable interventions to prevent and reduce smoking in families over the reproductive life span. The research objective of this project is to adapt, enhance, and test the implementation feasibility and initial efficacy, in Romania, of an evidence-based pregnancy and postnatal couple intervention for smoking cessation. 2014-2019. (\$698,251 National Institutes of Health, Fogarty International Center)

Principal Investigator. “Maternal Infant Health Program Quasi-Experimental Evaluation.” This project uses quasi-experimental techniques to evaluate the effectiveness of the Maternal and Infant Health Program in Michigan in improving infant and mother health outcomes. 2011- 2015. (\$654,455 Michigan Department of Community Health and Michigan State University)

Principal Investigator. “Postnatal smoking relapse, its associated risk factors, and a proactive sustainable preventive intervention.” The purpose of this project is to design and implement a randomized trial intervention to prevent smoking relapse in a sample of Romanian new mothers who smoked and quit early during pregnancy. 2013 - 2016. (\$253,000. Executive Unit for Financing Higher Education, Research, Development and Innovation, Romania)

Co-Investigator. “Demonstration of a Community System of Care for Medicaid-insured Pregnant Women.” The purpose of this research is to refine, implement, test and disseminate a community Perinatal System of Care that will improve 1) population risk screening, early access to care, care coordination, and utilization of services; 2) cost efficiency; and 3) health outcomes in Medicaid insured pregnant women and their infants. 2012 - 2017. (\$2,420,935. Agency for Healthcare Research and Quality - AHRQ, R18 Demonstration Grant)

Co-Investigator. “Kin Keeper: Reducing Disparities through Cancer Literacy and Screening.” The purpose of this randomized trial study is to test the effectiveness of a community based intervention, (Kin Keeper SM Cancer Prevention Intervention) delivered by Black, Latina and Arab community health workers who teach breast and cervical cancer literacy to women and their female family members. In addition, we will assess rates of healthcare utilization and cost among women the Kin Keeper SM model and the comparison group. 2011 - 2016. (\$2,156,387 National Institutes of Health, R01 NIH Grant)

Program evaluator. “Strong Families, Healthy Families – Strong Beginning.” This project will address racial disparities in birth outcomes and improve infant health. MSU (the MFMP team) will conduct an in-depth analysis of the program’s effectiveness and cost-benefit. 2011 - 2016. (\$5,482,287 W. K. Kellogg Foundation / Spectrum Health)

## **COMPLETED GRANTS AND AWARDS**

Co – Principal Investigator. “Michigan Family Medicaid Project (MFMP),” joint work with the state of Michigan and community partners to develop a new system of care for Medicaid-insured pregnant women and infants. 2006 - 2011 (\$2,600,000 Michigan Department of Community Health).

Principal Investigator. “Maternal and Child Health in Romania: a study on smoking during pregnancy, depression, stress, other risk factors, and a smoking cessation intervention.” 2008 - 2010. (\$205,000. Ministry of Education, Research and Youth, Romania)

Principal Investigator. “Effect of Enhanced Home Visit on Infant Health.” This project evaluated the advantage of an enhanced prenatal services Medicaid program using nurse-CHW (community-health-worker) home visiting teams in improving child health in a cost effective way. 2008 - 2009 (\$46,530 Blue Cross Blue Shield of Michigan Foundation)

Principal Investigator. “Medicare/Medicaid Long Term Care for Dually Eligibles.” This project analyzed the dual eligibles in long term care in Michigan (individuals eligible for both Medicare and Medicaid). 2007 - 2009 (\$250,000 Michigan Department of Community Health and Institute for Health Care Studies)

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Institute for Health Policy, and Department of Obstetrics, Gynecology and Reproductive Biology, Michigan State University Principal Investigator. Family Research Initiative. Michigan State University - internal grant to write a white paper on maternal and child health in low-income families. 2007 (\$2,500)

Dissertation fellowship granted by the Center for Retirement Research at Boston College. 2003 - 2004 (\$20,000)

Research grant, Syracuse University Economics Department. 2002 - 2003 (\$10,000)

## **PUBLISHED MANUSCRIPTS**

1. Meghea CI, Corser W. Health Service Use and Expenditure Patterns of Dual Eligibles in Michigan. *Michigan Journal of Public Health*. Conditional acceptance pending minor revisions.
2. Peters C, McKane, P. Meghea, C. Michigan Department of Community Health. "Return on Investment: Cost Savings to Medicaid from Maternal Infant Health Program due to Reduction in Preterm Birth Rate." ROI Fact Sheet Series Volume 1, Issue X (2014).
3. Zambrana R, Meghea CI, Talley C, Hammad A, Lockett M, Williams KP. Association between Family Communication and Cancer Health Literacy among Underserved Racial Ethnic Women. *Journal of Health Care for Poor and Underserved*. Conditional acceptance pending minor revisions.
4. Meghea CI, Williams KP. Aligning Cost Assessment with Community-Based Participatory Research: The Kin Keeper<sup>SM</sup> Intervention. *Health Education & Behavior*. November 2014. pii: 1090198114557126. [Epub ahead of print]
5. Meghea CI, Rus IA, Chereches RM, Costin N, Caracostea G, Branzaniuc A. Maternal smoking during pregnancy and birth outcomes in a sample of Romanian women. *Central European Journal of Public Health*. 2014. 22(3): 153-158.
6. Raffo JE, Gary M, Forde GK, Meghea CI, Roman LA. Physician awareness of enhanced prenatal services for Medicaid-insured pregnant women. *Journal of Public Health Management & Practice*. March-April 2014. 20(2): 236-239.
7. Meghea CI, Raffo JE, VanderMeulen P, Roman LA. Moving Towards Evidence-Based Federal Healthy Start Program Evaluations: Accounting for Bias in Birth Outcomes Studies. *American Journal of Public Health*. February 2014, Vol. 104, No. S1, pp. S25-S27.
8. Roman LA, Raffo JE, Zhu Q, Meghea CI. A Statewide Medicaid Enhanced Prenatal Care Program: Impact on Birth Outcomes. *JAMA Pediatrics*. January 2014. 168(3): 220-227. doi:10.1001/jamapediatrics.2013.4347
9. Ford S, Meghea CI, Estes T, Hamade H, Lockett M, Williams KP. Kin Keeper<sup>SM</sup> Prevention Intervention: An Evaluation of Intervention Fidelity in African American, Latina, and Arab Women. *Health Educ Res*. 2014. 29(1): 158-165.
10. Roman LA, Estes T, Hamade H, Penner L, Meghea CI, Williams KP. Understanding individual, provider and system risk factors for breast and cervical cancer among underserved Black, Latina, and Arab women. *Journal of Women's Health*. 2013 Nov 27. [Epub ahead of print]
11. Meghea CI, Raffo JE, Zhu Q, Roman LA. Medicaid Home Visitation and Maternal and Infant Healthcare Utilization. *American Journal of Preventive Medicine*. 2013 October. 45(4): 441-447.
12. Williams KP, Roman LA, Meghea CI, Penner L, Hammad A, Gardiner J. Kin Keeper<sup>SM</sup>: Design and Baseline Characteristics of a Community-Based Randomized Controlled Trial Promoting Cancer Screening in Black, Latina, and Arab Women. *Contemporary Clinical Trials*. 2013 March. 34(2): 312-319
13. Meghea CI, Li B, Zhu Q, Raffo JE, Lindsay J, Moore JS, Roman LA. Infant Health Effects of A Nurse - Community Health Worker Home Visitation Program: A Randomized Controlled Trial. *Child: Care, Health and Development*. 2013 Jan; 39(1):27-35
14. Meghea CI, Rus IA, Rus D. Risk Factors Associated With Nicotine Dependence In A Sample Of Romanian Pregnant Smokers. *European Journal of Obstetrics and Gynecology*. 2012. July. 163(1):22-6.
15. Roman LA, Raffo JE, Meghea CI. Maternal perceptions of help from home visits by nurse-community health worker teams. *American Journal of Public Health*. 2012. 102(4): 643-645

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Institute for Health Policy, and Department of Obstetrics, Gynecology and Reproductive Biology, Michigan State University

16. Meghea CI, Rus D, Rus IA, Holtrop Summers J, Roman LA. Smoking During Pregnancy And Associated Risk Factors In A Sample Of Romanian Women. *European Journal of Public Health*. 2012 Apr;22(2):229-33
17. Meghea CI, Rus D, Dirle IA. Characteristics and Health Behaviours of Pregnant Women in Romania September 2010. *Gineco.ro*. 6(21): 166-171
18. Raffo JE, Roman LA, Meghea CI, Zhu Q. Psychological And Physical Abuse Among Pregnant Women In A Medicaid-Sponsored Prenatal Program. September 2010. *Public Health Nursing*. 27(5): 385-398.
19. Holtrop JS, Meghea CI, Raffo JE, Biery HL, Chartkoff SB, Roman LA. Smoking Among Pregnant Women With Medicaid Insurance: Are Mental Health Factors Related? June 2010. *Maternal and Child Health Journal*. 14(6):971-77
20. Sunshine JH, Hughes DR, Meghea CI, Bhargavan M. What Factors Affect the Productivity and Efficiency of Physician Practices? February 2010. *Medical Care*. 48(2):110-7.
21. Roman LA, Meghea CI, Raffo JE, Biery HL, Chartkoff SB, Zhu Q, Moran SM, Summerfelt WT. Who Participates in State Sponsored Medicaid Enhanced Prenatal Services? January 2010. *Maternal and Child Health Journal*. 14(1): 110-120.
22. Meghea CI, Roman LA, Biery L, Summers JS. Maternal and Child Health in Low Income Families. *New Directions in Family Research* (Whitten PS, Bokemeier JL, Fitzgerald HE, eds.), Michigan State University Family Research Initiative. 2008.
23. Nayak NR, Meghea C, Bhargavan M, Forman HP, Sunshine JH. Prevalence of Productivity-Enhancing Technologies in Radiology. *American Journal of Roentgenology*. June 2008. 190: 1445 - 1452
24. Meghea CI, Sunshine JH. Determinants of Radiologist's Desired Workload. *Journal of American College of Radiology*. 2007 March. 4(3): 166-170
25. Ebbert TL, Meghea CI, Iturbe S, Forman HP, Bhargavan M, Sunshine JH. The State of Teleradiology in 2003 and Changes since 1999. *American Journal of Roentgenology*. February 2007. 188: W103-W112.
26. Meghea CI, Sunshine JH. Retirement Patterns and Plans of Radiologists. *American Journal of Roentgenology*. December 2006. 187(6):1405-1411.
27. Sunshine JH, Meghea CI. How Could the Radiologist Shortage Have Eased? *American Journal of Roentgenology*. November 2006. 187: 1160-1165.
28. Fleishon HB, Bhargavan M, Meghea CI. Radiologists' Reading Times Using PACS and Using Films: One Practice's Experience. *Academic Radiology*. April 2006. 13(4): 453-460.
29. Meghea CI, Sunshine JH. How Much Do Radiologists and Radiation Oncologists Specialize? *Journal of the American College of Radiology*. 2005. 2(11): 906-913
30. Meghea CI, Sunshine JH. Who's Overworked and Who's Underworked Among Radiologists. An update on the radiologist shortage. *Radiology*. September 2005;236(3):932-938.

#### **MANUSCRIPTS UNDER REVIEW**

1. Meghea CI, You Z, Raffo JE, Roman LA. Home Visiting and Infant Mortality: Evidence from Medicaid's Enhanced Prenatal and Postnatal Program in Michigan. *Pediatrics*
2. Meghea CI, You Z, Roman LA A Statewide Medicaid Enhanced Prenatal and Postnatal Care Program and Infant Injuries. *Maternal and Child Health Journal* (decision: revise and resubmit)
3. Meghea CI, Brinzaniuc A, Mihiu D, Iuhas CI, Stamatian F, Caracostea G, Sidor A, Alexa PM, Branza C, Pop OM, Chereches RM. A Couples Intervention to Prevent Postnatal Smoking Relapse: PRISM study design. *Contemporary Clinical Trials* (decision: revise and resubmit)
4. Meghea CI, You Z, Corser W Electronic Medical Record Adoption and Care and Health among Medicaid-Eligible Pregnant Women and Their Infants in Michigan. *Maternal and Child Health Journal*.

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5. Ford S, Meghea CI, Williams KP. Many Moving Parts: Evaluation of the Kin Keeper<sup>SM</sup> Cancer Prevention Intervention. Health Education & Behavior
6. Yang L, Meghea CI, Bell LD, Estes T, Williams KP. Coordination and Data Management of a Community-Based Participatory Research (CBPR): Experiences from the Kin Keeper<sup>SM</sup> Randomized Controlled Trial

## **INVITED PRESENTATIONS**

The Maternal and Infant Health Program (MIHP): Impact on healthcare utilization and birth outcomes. Michigan Premier Public Health Conference. October 2014. Shanty Creek, Belleaire, MI

Evidence-Based Federal Healthy Start Program Evaluations: Accounting for Bias in Birth Outcomes Studies. 2014 CityMatCH Leadership and MCH Epidemiology Conference. September 2014. Phoenix, AZ.

Emergency Department Use among Medicaid-Eligible Pregnant Women. 2014 CityMatCH Leadership and MCH Epidemiology Conference. Forthcoming, September 2014. Phoenix, AZ.

MIHP effects in improving maternal and infant healthcare and birth outcomes. Regional Perinatal Summit. Forthcoming, July 2014. Acme, MI. Invited presentation

Effects of a Medicaid Home Visiting Perinatal Program on Maternal and Child Health:

Who Benefits the Most? 2013 American Public Health Association Annual Meeting. November 2013. Boston, MA.

Effects of a Medicaid Home Visiting Perinatal Program on Infant Injury. 2013 American Public Health Association Annual Meeting. November 2013. Boston, MA.

The Role of Sociodemographic Factors and Family Communication in Cervical and Breast Cancer Literacy By Race and Ethnicity: The Kin Keeper Trial. 2012 Summit on the Science of Eliminating Health Disparities. December 2012. Washington, DC

Determinants of Cervical and Breast Cancer Screening in an Underserved Diverse Population: The Kin Keeper<sup>SM</sup> Trial. 2012 Summit on the Science of Eliminating Health Disparities. December 2012. Washington, DC.

## **TEACHING**

HM 547 Health Policy - Social Context of Clinical Decisions

HM 547 Health Policy - Social Context of Clinical Decisions, Integrative Module

HM534-12 Clinical Skills, Neuro, Performance Based Assessment

HM535-06 Clinical Skills, Urinary Tract, Performance Based Assessment

HM533-03 Clinical Skills, Sexual History Taking, Performance Based Assessment

## **SERVICE**

Vice Chair: College Advisory Council (College of Human Medicine, Michigan State University)

Member: Committee on Admissions (College of Human Medicine, Michigan State University)

Grant reviewer: Maternal and Child Health Bureau, Health Resources and Services Administration (MCHB-HRSA)

Ad-hoc reviewer: American Journal of Public Health, the European Journal of Public Health, American Journal of Preventive Medicine, Pediatrics, Preventive Medicine, Addiction, Infant Mental Health Journal, Psychology and Health, Infant Mental Health Journal, BioMed Research international, and Medycyna Pracy.

## **UNIVERSITY SERVICE**

Cristian Meghea, PhD.

Institute for Health Policy, and Department of Obstetrics, Gynecology and Reproductive Biology, Michigan State University  
College Advisory Council, College of Human Medicine. Michigan State University

Committee on Admissions Interview Subcommittee, College of Human Medicine. Michigan State University

### **OUTREACH / OTHER ACTIVITIES (RECENT)**

Michigan Department of Community Health (MDCH): Assisted MDCH with the development of an ROI (return on investment) factsheet based on my research program with Lee Anne Roman

Spectrum Health: Assisted with Pay for Success funding proposal writing

Romania: created a network of partners including researchers, health providers, and health policy makers

### **ADDITIONAL SKILLS**

Languages: Fluent in English and French. Romanian native speaker. Beginner in Italian.

Computer Skills: Statistical Applications (Stata, SAS, SPSS), Microsoft Office.

### **HONORS**

Merit scholarship from Syracuse University. 1999-2004. Five years graduate school tuition

Merit scholarship from Central European University, Budapest (May 1999). Two years graduate school tuition and stipend [declined].

Tuition for the RAND Summer Institute: Demography, Economics, and Epidemiology of Aging (July 2003).