

Cristian Meghea
Curriculum Vitae
September 2016

Department of Obstetrics, Gynecology, and Reproductive Biology
College of Human Medicine
Michigan State University
965 Fee Rd, Room A632B, East Fee Hall, East Lansing, MI 48824
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EDUCATION

Maxwell School, Syracuse University, Syracuse, NY, USA. Ph.D., Economics, 2004
Babes-Bolyai University, Cluj-Napoca, Romania. B.A., Economics, 1998.

EMPLOYMENT

Primary Appointment

Assistant Professor
Department of Obstetrics, Gynecology & Reproductive Biology.
Michigan State University
2015 - present

Joint Appointment

Associated Researcher
Cluj School of Public Health
Babes-Bolyai University, Cluj-Napoca, Romania
2007 - present

Previous Employment

Assistant Professor
Institute for Health Policy and Department of Obstetrics, Gynecology & Reproductive Biology
Michigan State University
2010 - 2015

Assistant Professor
Institute for Health Policy
Michigan State University
2006 - 2010

Senior Researcher
American College of Radiology
2004 - 2006

FUNDED GRANTS

1. K01 TW009654 (**Meghea**) 2014 – 2019 Role: PI
NIH / Fogarty International Center \$698,251
Family Smoking Cessation in Romania Using Pregnancy as a Window of Opportunity.
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.
2. (**Meghea**) 2011- 2016 Role: PI
Michigan Department of Health and Human Services \$870,725
Maternal Infant Health Program Quasi-Experimental Evaluation
To evaluate the effectiveness of the Maternal and Infant Health Program in Michigan in improving infant and mother health outcomes.
3. (**Meghea**) 2013- 2016 Role: PI
Romanian Ministry of Education and Research \$253,000
Postnatal smoking relapse, its associated risk factors, and a proactive sustainable preventive intervention
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.
4. R18 HS020208 (Roman) 2012- 2017 Role: Co-I
AHRQ \$2,420,935
Demonstration of a Community System of Care for Medicaid-insured Pregnant Women
To redesign, 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.
5. R01 NR011323 (Williams) 2010- 2015 Role: Co-I
NIH/NINR \$2,156,387
Kin Keeper: Reducing Disparities through Cancer Literacy and Screening
The purpose of this randomized trial study was to test the effectiveness of a community based intervention, (Kin KeeperSM 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.
6. (Vander Muelen) 2011 – 2016 Role: Evaluator
W. K. Kellogg Foundation \$5,482,287
Strong Families, Healthy Families – Strong Beginning
To address racial disparities in birth outcomes and improve infant health. The evaluating team will conduct an in-depth analysis of the program’s effectiveness and cost-benefit.

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7. (Roman, **Meghea**) 2006- 2011 Role: Co-PI
Michigan Department of Health and Human Services \$2,600,000
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 (Michigan Department of Community Health).

8. (**Meghea**) 2008- 2010 Role: PI
Romanian Ministry of Education and Research \$205,000
Maternal and Child Health in Romania: a study on smoking during pregnancy, depression, stress, other risk factors, and a smoking cessation intervention
To assess smoking during pregnancy in Romania, correlated risk factors, and test a brief smoking cessation intervention

9. (**Meghea**) 2008- 2010 Role: PI
Blue Cross Blue Shield of Michigan Foundation \$46,530
Effect of Enhanced Home Visiting on Infant Health
To evaluate 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

10. (**Meghea**) 2007- 2009 Role: PI
Michigan Department of Health and Human Services \$250,000
Medicare/Medicaid Long Term Care for Dually Eligibles
To analyse the dual eligibles in long term care in Michigan (individuals eligible for both Medicare and Medicaid).

11. (**Meghea**) 2007 Role: PI
Family Research Initiative. Michigan State University \$2,500
Maternal and child health in low-income families
To write a white paper on maternal and child health in low-income families.

PUBLICATIONS

Peer Reviewed Manuscripts

1. Williams KP, Ford S, **Meghea CI**. Cultural Connections: the Key to Retention of Black, Latina, and Arab Women in the KinKeeperSM Cancer Prevention Intervention Studies. *Journal of Cancer Education*. 2016 Sep; 31(3):522-8.
2. Roman LA, Zambrana RE, Ford S, **Meghea CI**, Williams KP. Casting a Wider Net: Engaging Community Health Worker Clients and Their Families in Cancer Prevention. Preventing Chronic Disease. 2016 June. Provisional acceptance pending minor revisions.
3. **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*. 2016 Apr;20(4):819-26

4. **Meghea CI**, You Z, Raffo JE, Roman LA. Statewide Medicaid Enhanced Prenatal Care Programs and Infant Mortality. *Pediatrics*. 2015 Aug;136(2):334-42. DOI 10.1007/s10995-015-1724-z
5. **Meghea CI**, Brinzaniuc A, Miha 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*. 2015. 41:273-279.
6. **Meghea CI**, You Z, Roman LA. A Statewide Medicaid Enhanced Prenatal and Postnatal Care Program and Infant Injuries. *Maternal and Child Health Journal*. 2015. 19(10):2119-27
7. 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*. 2015. 26(2):391-405.
8. **Meghea CI**, Williams KP. Aligning Cost Assessment with Community-Based Participatory Research: The Kin KeeperSM Intervention. *Health Education & Behavior*. 2015;42(2):148-52.
9. **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*. 2014. 104(S1): S25-S27.
10. Roman LA, Raffo JE, Zhu Q, **Meghea CI**. A Statewide Medicaid Enhanced Prenatal Care Program: Impact on Birth Outcomes. *JAMA Pediatrics*. 2014. 168(3): 220-227.
11. **Meghea CI**, Corser W. Health Service Use and Expenditure Patterns of Dual Eligibles in Michigan. *Michigan Journal of Public Health*. 2014. 7(1): 24-44.
12. **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.
13. 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*. 2014. 20(2): 236-239.
14. Ford S, **Meghea CI**, Estes T, Hamade H, Lockett M, Williams KP. Kin KeeperSM Prevention Intervention: An Evaluation of Intervention Fidelity in African American, Latina, and Arab Women. *Health Education Research*. 2014. 29(1): 158-165.
15. 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*. 2014. 23(1):57-64.
16. **Meghea CI**, Raffo JE, Zhu Q, Roman LA. Medicaid Home Visitation and Maternal and Infant Healthcare Utilization. *American Journal of Preventive Medicine*. 2013. 45(4): 441-447.
17. Williams KP, Roman LA, **Meghea CI**, Penner L, Hammad A, Gardiner J. Kin KeeperSM: Design and Baseline Characteristics of a Community-Based Randomized Controlled Trial Promoting Cancer Screening in Black, Latina, and Arab Women. *Contemporary Clinical Trials*. 2013. 34(2): 312-319
18. **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; 39(1):27-35

19. **Meghea CI**, Rus IA, Rus D. Risk Factors Associated With Nicotine Dependence In A Sample Of Romanian Pregnant Smokers. *European Journal of Obstetrics & Gynecology and Reproductive Biology*. 2012. 163(1):22-6.
20. 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
21. **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. 22(2):229-33
22. **Meghea CI**, Rus D, Dirle IA. Characteristics and Health Behaviours of Pregnant Women in Romania. *Gineco.ro*. 2010. 6(21): 166-171
23. Raffo JE, Roman LA, **Meghea CI**, Zhu Q. Psychological And Physical Abuse Among Pregnant Women In A Medicaid-Sponsored Prenatal Program. *Public Health Nursing*. 2010. 27(5): 385-398.
24. Holtrop JS, **Meghea CI**, Raffo JE, Biery HL, Chartkoff SB, Roman LA. Smoking Among Pregnant Women With Medicaid Insurance: Are Mental Health Factors Related? *Maternal and Child Health Journal*. 2010. 14(6):971-77
25. Sunshine JH, Hughes DR, **Meghea CI**, Bhargavan M. What Factors Affect the Productivity and Efficiency of Physician Practices? *Medical Care*. 2010. 48(2):110-7.
26. 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? *Maternal and Child Health Journal*. 2010. 14(1): 110-120.
27. Nayak NR, **Meghea CI**, Bhargavan M, Forman HP, Sunshine JH. Prevalence of Productivity-Enhancing Technologies in Radiology. *American Journal of Roentgenology*. 2008. 190: 1445 - 1452
28. **Meghea CI**, Sunshine JH. Determinants of Radiologist's Desired Workload. *Journal of American College of Radiology*. 2007. 4(3): 166-170
29. 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*. 2007. 188: W103-W112.
30. **Meghea CI**, Sunshine JH. Retirement Patterns and Plans of Radiologists. *American Journal of Roentgenology*. 2006. 187(6):1405-1411.
31. Sunshine JH, **Meghea CI**. How Could the Radiologist Shortage Have Eased? *American Journal of Roentgenology*. 2006. 187: 1160-1165.
32. Fleishon HB, Bhargavan M, **Meghea CI**. Radiologists' Reading Times Using PACS and Using Films: One Practice's Experience. *Academic Radiology*. 2006. 13(4): 453-460.
33. **Meghea CI**, Sunshine JH. How Much Do Radiologists and Radiation Oncologists Specialize? *Journal of the American College of Radiology*. 2005. 2(11): 906-913
34. **Meghea CI**, Sunshine JH. Who's Overworked and Who's Underworked Among Radiologists. An update on the radiologist shortage. *Radiology*. 2005;236(3):932-938.

Published Manuscripts Not Peer-Reviewed

1. **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.

2. Peters C, McKane P., **Meghea CI**. 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.

Manuscripts Under Review

1. **Meghea CI**, Pop OM, Chereches RM, Rus IA, Branzaniuc A. Dyadic efficacy for smoking cessation in a sample of Romanian couples. *Nicotine and Tobacco Research*.
2. **Meghea CI**, Branzaniuc A, Rus IA, Blaga OM. Characteristics of Romanian Women who Enroll in a Postpartum Tobacco Smoking Relapse Prevention Trial. *Nicotine and Tobacco Research*.
3. Ford S, **Meghea CI**, Williams KP. Many Moving Parts: Evaluation of the Kin KeeperSM Cancer Prevention Intervention. *Health Education & Behavior*
4. 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 KeeperSM Randomized Controlled Trial. *Michigan Journal of Public Health*.

PRESENTATIONS

Invited Presentations

1. Using the pregnancy as a window of opportunity to improve family health. Wake Forest School of Medicine, Comprehensive Cancer Center. November 2015. Winston-Salem, NC
2. Using the pregnancy as a window of opportunity to improve family health. Wayne State University, Merrill Palmer Skillman Institute seminar series. January 2016. Detroit, MI

Conference Presentations

1. Predictors of postnatal smoking relapse intent in a sample of Romanian couples. Society for Research on Nicotine and Tobacco – Europe. September 2016. Prague, Czech Republic.
2. Smoking during and around pregnancy and its effects on mother, pregnancy, and the newborn. National Perinatal Medicine Congress. May 2016. Bucharest, Romania
3. The Maternal and Infant Health Program (MIHP): Impact on infant mortality. International Health Economics Association – World Congress. July 2015. Milan, Italy.
4. The Maternal and Infant Health Program (MIHP): Impact on birth outcomes. Michigan Epidemiology Conference. March 2015. Ann Arbor, MI
5. The Maternal and Infant Health Program (MIHP): Impact on infant mortality. Michigan Epidemiology Conference. March 2015. Ann Arbor, MI
6. 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
7. 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.

8. Emergency Department Use among Medicaid-Eligible Pregnant Women. 2014 CityMatCH Leadership and MCH Epidemiology Conference, September 2014. Phoenix, AZ.
9. MIHP effects in improving maternal and infant healthcare and birth outcomes. Regional Perinatal Summit. July 2014. Acme, MI. Invited presentation
10. 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.
11. Effects of a Medicaid Home Visiting Perinatal Program on Infant Injury. 2013 American Public Health Association Annual Meeting. November 2013. Boston, MA.
12. 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
13. Determinants of Cervical and Breast Cancer Screening in an Underserved Diverse Population: The Kin KeeperSM Trial. 2012 Summit on the Science of Eliminating Health Disparities. December 2012. Washington, DC.
14. Smoking during pregnancy in Romania and associated risk factors. European Public Health Association, Lodz, Poland, November 2009 (abstract published in European Journal of Public Health, Vol. 19, Supplement 1, 2009)
15. Smoking during pregnancy and a pilot anti-smoking intervention in Romania. European Public Health Association, Lodz, Poland, November 2009 (abstract published in European Journal of Public Health, Vol. 19, Supplement 1, 2009)
16. The effect of a nurse - community health worker home visiting program on the health of newborn children. European Conference on Health Economics. Rome, Italy, July 2008.
17. Identifying low-income pregnant women at highest risk using latent class modelling and cluster analysis. European Conference on Health Economics. Rome, Italy, July 2008
18. The effect of a nurse - community health worker home visiting program on the health of newborn children? American Public Health Association, annual conference. Washington, DC, November 2007.
19. Stress, Depression, and Smoking Cessation among Pregnant Women with Medicaid Insurance. American Public Health Association, annual conference. Washington, DC, November 2007.
20. The Effect of a Community Health Worker Home Visiting Randomized Trial on the Health of Newborn Children. International Health Economics Association (iHEA), research conference. Copenhagen, Denmark, July 2007.
21. Racial and Ethnic Disparities in Mammography Screening Over the Period 1996 - 2004. American Public Health Association, annual conference. Boston, MA, November 2006.
22. Factors Affecting Physician Productivity in a Proceduralist Specialty, Radiology. American Society of Health Economists, annual research meeting. Madison, WI, June 2006.
23. Factors Affecting Physician Productivity in a Proceduralist Specialty, Radiology. AcademyHealth, annual research meeting. Seattle, WA, June 2006.
24. Social Security and Elderly Mortality. AcademyHealth, annual research meeting. Seattle, WA, June 2006.
25. Racial and Ethnic Disparities in Mammography Screening Over the Period 1996 - 2004. AcademyHealth, annual research meeting. Seattle, WA, June 2006.
26. Social Security and Elderly Mortality. American Public Health Association, annual conference. Philadelphia, PA, December 2005

27. Who's Overworked and Who's Underworked Among Radiologists. International Health Economics Association (iHEA), research conference. Barcelona, Spain, July 2005.
28. Who's Overworked and Who's Underworked Among Radiologists. AcademyHealth, annual research meeting. Boston, MA, June 2005.

TEACHING

Health Policy - Social Context of Clinical Decisions	2014, 2015
Health Policy - Social Context of Clinical Decisions, Integrative Module	2015
Clinical Skills, Neuro, Performance Based Assessment	2010, 2011, 2013
Clinical Skills, Urinary Tract, Performance Based Assessment	2012, 2014
Clinical Skills, Sexual History Taking, Performance Based Assessment	2012

HONORS

- Dissertation fellowship granted by the Center for Retirement Research at Boston College.
2003 - 2004
- Research fellowship, Syracuse University Economics Department.
2002 - 2003
- Merit scholarship from Syracuse University. Five years graduate school tuition.
1999-2004
- Tuition for the RAND Summer Institute: Demography, Economics, and Epidemiology of Aging
July 2003
- Scholarship from Central European University, Budapest. Two years graduate school
tuition/stipend [declined].
May 1999

SERVICE

- Member and Vice-Chair. College Advisory Council, College of Human Medicine, Michigan State University.
- Member. Committee on Admissions, College of Human Medicine, Michigan State University.
- Invited 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.

OUTREACH / OTHER ACTIVITIES (RECENT)

Advising the Office of the Governor of the State of Michigan on their decision to use a public-private pay-for-success partnership to scale up a program aimed at improving the health of at-risk mothers and their newborns.

Maternal and Infant Health Program Quasi-Experimental Evaluation: partnership with Michigan Department of Health and Human Services, advise the Department on improving Medicaid's enhanced prenatal services program.

Family Smoking Cessation in Romania Using Pregnancy as a Window of Opportunity: research partnership with Babes-Bolyai University and community partners in Romania, expanded international reach, with the ultimate goal of improving tobacco cessation services available to families and to reduce smoking during and around pregnancy.

Postnatal smoking relapse, its associated risk factors, and a proactive sustainable preventive intervention: partnership with Babes-Bolyai University and community partners in Romania to implement and test a postnatal smoking relapse intervention

Demonstration of a Community System of Care for Medicaid-insured Pregnant Women: community partnership with Spectrum Health and other community clinics in Grand Rapids Michigan to improve the maternal and child care and health

Kin Keeper: Reducing Disparities through Cancer Literacy and Screening: community based participatory research with partners in Dearborn, MI to implement and test an educational intervention to improve breast and cervical screening behaviour among Black, Latina, and Arab women.

ADDITIONAL SKILLS

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

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