

2020
CURRICULUM VITAE

Barbara Bardenheier

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CURRICULUM VITAE

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PERSONAL INFORMATION

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EDUCATION

1984 Bachelor of Science, Accounting, Beta Alpha Psi, Golden Key National Honorary, Florida State University
1994 Master of Public Health, Biostatistics, Emory University
2000 Master of Arts, Theology, Franciscan University
2011 Doctor of Philosophy, Epidemiology, Emory University

ACADEMIC APPOINTMENTS

2019 Assistant Professor, Department of Health Services, Policy, and Practice, secondary appointment to the Department of Epidemiology, Brown University
1996-1997 Data Manager, Pediatric AIDS, Department of Pediatrics, University of California, Los Angeles

OTHER APPOINTMENTS

1985-1989 Accountant, Accounting Department, First Virginia Banks, Inc.
1989-1990 Assistant Accounting Manager, Accounting Department, Time-Life Books, Inc.
1990-1992 Product Profitability Analyst, Bank South, N.A.
1994-1995 Pertussis Surveillance Coordinator, Epidemiology and Surveillance Division in the National Immunization Program, Centers for Disease Control and Prevention
1996-1997 AIDS/Leprosy Project Volunteer, Lay-Mission Helpers
1997-1998 Vaccine-Preventable Disease Surveillance Coordinator, Epidemiology and Surveillance Division in the National Immunization Program, Centers for Disease Control and Prevention
2001 Epidemiologist, Department of Environmental Health and Occupational Medicine, National Jewish Medical and Research Center
2001-2011 Epidemiologist, Immunization Services Division, Centers for Disease Control and Prevention
2011-2015 Epidemiologist, Division of Diabetes Translation, Centers for Disease Control and Prevention
2015-2016 Health Statistician, Division of Healthcare Quality Promotion, Centers for Disease Control and Prevention

2016-2018 Epidemiologist, Division of Global Migration and Quarantine with detail to
Division of Global HIV/TB, Centers for Disease Control and Prevention
2018-2019 Epidemiologist, Immunization Services Division, Centers for Disease Control and
Prevention

HONORS AND AWARDS

1994 Charles C. Shepard Award (Master's Thesis nominated*), Emory University
1998 Charles C. Shepard Science Award (nomination*), CDC
2006 Statistical Science Award (Mentions Honorable), CDC
2006 National Immunization Program Statistical Science Best Paper Award, CDC
2010 Excellence in Surveillance and Health Monitoring, 2009 H1N1 Vaccine Coverage
Monitoring Team, CDC
2010 Excellence in Setting Long-Range Public Health Goals, CDC
2010 Response to 2009 H1N1 Influenza Pandemic, CDC
2012 Charles C. Shepard Science Award (nomination*), CDC
2012-2013 President, CDC Chapter of Sigma Xi
2016 Charles C. Shepard Science Award (nomination*), CDC
2016 Health Economics Research Group Award for Greatest Impact on Public Health,
CDC
2017 Charles C. Shepard Science Award (nomination*), CDC
2017 Statistical Science Award (nomination*), Centers for Disease Control and Prevention
2018 Charles C. Shepard Science Award (two papers nominated*), CDC
2018 Health Economics Research Group Award for Greatest Impact on Public Health,
CDC
2019 Best Scientific Poster (nomination*), North American Refugee Health Conference

*Nominations were highly competitive and not self-nominations.

NATIONAL OR INTERNATIONAL SERVICE

Grant Application Review Boards

2010 Hong Kong Department of Public Health, Reviewer

Contract Review Boards

2014 CDC/Division of Diabetes Translation, Novel Approaches to State-level Diabetes and
Prediabetes Surveillance, Member
2015 CDC/Immunization Safety Office, Vaccine Safety Datalink: Increasing Diversity, Chair
2015 CDC/Immunization Safety Office, Vaccine Safety Datalink: Trivalent Inactivated
Influenza Vaccine and Spontaneous Abortion, Chair
2015 CDC/Immunization Safety Office, Vaccine Safety Datalink: HPV9 and Spontaneous
Abortion, Member
2015 CDC/Immunization Safety Office, Vaccine Safety Datalink: Undervaccination, Chair
2015 CDC/Immunization Safety Office, Vaccine Safety Datalink: Novel Pregnancy Analysis
Methods, Member

Cooperative Agreement Review Boards

2003 CDC/National Center on Birth Defects and Developmental Disabilities, State Health Departments Establishing surveillance systems for birth defects, Member

2016 CDC/National Center on Birth Defects and Developmental Disabilities, State Birth Defects Surveillance, Member

Journal Manuscript Reviewer

Journal of the American Geriatrics Society, Journal of the American Medical Directors' Association, Pediatrics, American Journal of Preventive Medicine, Vaccine, Diabetes Care, Clinical Infectious Diseases, Annals of Epidemiology, Journal of Adolescent Health, Journal of Immigrant and Minority Health, Journal of Women's Health

Membership in Societies and Organizations

Academy Health, current member

National Adult and Influenza Immunization Summit, current member of the influenza working group

Sigma Xi Honorary, CDC chapter 2005-2019

PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Wortis N, Strebel PM, Wharton M, **Bardenheier B**, Hardy IR. Pertussis Deaths: Report of 23 Cases in the United States, 1992 and 1993. *Pediatrics*. 1996;97:607-612. Pubmed PMID: 8628595
2. Guris D, Strebel PM, Tachdjian R, **Bardenheier B**, Wharton M, Hadler SC. Effectiveness of the pertussis vaccination program as determined by use of the screening method: United States, 1992-1994. *Journal of Infectious Disease*. 1997;176(2):456-63. Pubmed PMID: 9237712
3. Izurieta HS, Sutter RW, Strebel PM, **Bardenheier B**, Prevots DR, Wharton M, Hadler S. Tetanus Surveillance- United States, 1991-1994. In: CDC Surveillance Summaries, February 21, 1997. *MMWR* 1997;46(No. SS-2):15-25. Pubmed PMID: 12412769
4. **Bardenheier B**, Prevots, DR, Khetsuriani N, Wharton M. Tetanus Surveillance- United States, 1995-1997. In CDC Surveillance Summaries, July 3, 1998. *MMWR* 1998;47(No. SS-2):1-13. Pubmed PMID: 9665156
5. Guris, D, Strebel P, **Bardenheier B**, Brennan M, Tachdjian R, Finch E, Wharton M, Livengood J. Changing Epidemiology of Pertussis in the United States: Increasing Reported Incidence Among Adolescents and Adults, 1990-1996. *Clinical Infectious Diseases*. 1999;28:1230-7. Pubmed PMID: 10451158
6. **Bardenheier B**, González I, Washington M, Bell B, Averhoff F, Massoudi M, Hyams I, Simard E, Yusuf H. Parental knowledge, attitudes, and practices associated with not receiving hepatitis A vaccine in a demonstration project in Butte County, California. *Pediatrics*. 2003;112:e269-e274. Pubmed PMID: 14523210
7. **Bardenheier B**, Shefer A, McKibben L, Roberts H, Bratzler D. Characteristics of Long-Term Care Facility Residents associated with receipt of Influenza and Pneumococcal

- Vaccinations. *Infection Control and Hospital Epidemiology*. 2004; 25: 946-954. Pubmed PMID: 15566029
8. **Bardenheier B**, Yusuf H, Schwartz B, Gust D, Barker L, Rodewald L. Are parental vaccine safety concerns associated with receipt of measles-mumps-rubella, diphtheria and tetanus toxoids with acellular pertussis or hepatitis B vaccines by children? *Archives of Pediatric and Adolescent Medicine*. 2004;158:569-575. Pubmed PMID: 15184221
 9. **Bardenheier B**, Yusuf H, Rosenthal J, Santoli J, Shefer A, Rickert D, Chu S. Factors associated with underimmunization at 3 months of age in four medically underserved areas. *Public Health Reports*. 2004;119:479-485. PMCID: 1497657
 10. **Bardenheier B**, Wortley P. Influenza and Pneumococcal Vaccination Coverage among persons aged ≥ 65 years with Diabetes or Asthma—United States, 2003. *MMWR*. 2004; 53: 1007-1012. Pubmed PMIC: 15525897
 - a. This paper was reprinted in JAMA under “News from the Centers for Disease Control and Prevention”: *JAMA*. 2004;292(22):2715-2716. doi:10.1001/jama.292.22.2715
 11. Zhou F, Reef S, Massoudi M, Papania M, Yusuf H, **Bardenheier B**, Zimmerman L, McCauley M. An economic analysis of the current universal 2-dose measles-mumps-rubella vaccination program in the United States. *Journal of Infectious Disease*. 2004;189 (Supp 1): S131-S145. Pubmed PMID: 15106102
 12. **Bardenheier B**, Shefer A, Tiggle R, Marsteller J, Remsburg R. Nursing Home Resident and Facility Characteristics Associated with Pneumococcal Vaccination, National Nursing Home Survey, 1995-1999. *Journal of the American Geriatrics Society*. 2005;53:1543-51. Pubmed PMID: 16137285
 13. **Bardenheier B**, Shefer A, Barker L, Winston C, Sionean C.K. Public health application comparing multilevel analysis with logistic regression: Immunization coverage among long-term care facility residents. *Annals of Epidemiology*. 2005;15:749-55. Pubmed PMID: 15922626
 14. **Bardenheier B**, Shefer A, McKibben L, Roberts H, Rhew D, Bratzler D. Factors predictive of increased influenza and pneumococcal vaccination coverage in long-term care facilities: The CMS-CDC Standing Orders Program Project. *Journal of the American Medical Directors Association*. 2005; 6: 291-299. Pubmed PMID: 16165069
 15. Shefer A, McKibben L, **Bardenheier B**, Bratzler D, Roberts H. Characteristics of Long-Term Care Facilities Associated with Standing Orders Programs to Deliver Influenza and Pneumococcal Vaccinations to Residents in 13 States. *Journal of the American Medical Directors Association*. 2005; 6: 97-104. Pubmed PMID: 15871883
 16. Zimmerman R, Tabbarah M, **Bardenheier B**, Janosky J, Troy J, Raymund M, Yawn B. The 2002 United States varicella vaccine shortage and physician recommendations for vaccination. *Preventive Medicine*. 2005;41:575-82. Pubmed PMID: 15917055
 17. **Bardenheier B**, Wortley P, Winston CA, Washington ML, Lindley MC, Sapsis K. Do Patterns of Knowledge and Attitudes Exist Among Unvaccinated Seniors? *American Journal of Health Behavior*. 2006;30:675-683. Pubmed PMID: 17096624
 18. Lindley M, Wortley P, Winston C, **Bardenheier B**. The Role of Attitudes in Understanding Racial/Ethnic Disparities in Adult Influenza Vaccination. *A J Prev Med*. 2006;31:281-285. Pubmed PMID: 16979451
 19. Marsteller J, Tiggle R, Remsburg R, Shefer A, **Bardenheier B**. Influenza Immunization in Nursing Homes: Who Does Not Get Immunized and Whose Status is Unknown. *Infection Control and Hospital Epidemiology*. 2006; 27:388-396. Pubmed PMID: 16622818

20. Shugarman L, Hales C, Setodji CM, **Bardenheier B**, Lynn, J. The Influence of Staff and Resident Immunization Rates on Influenza-Like Illness Outbreaks in Nursing Homes. *JAMDA*. 2006;7:562-7. Pubmed PMID: 17095421
21. Yawn B, Schroeder C, Wollan P, Rocca L, Zimmerman R, **Bardenheier B**. Immediate and longer term impact of the varicella shortage on children 18 and 24 months of age in a community population. *BMC Family Practice*. 2006; 7:51. PMCID: 1564047
22. Zimmerman RK, Tabbarah M, Janosky JE, **Bardenheier B**, Troy JA, Jewell IK, Yawn, BP. Impact of vaccine economic programs on physician referral of children to public vaccine clinics: a pre-post comparison. *BMC Public Health* 2006;6:7. PMCID: 1388204
23. **Bardenheier B**, Kong Y, Shefer A, Zhou F, Shih S. Managed care organizations' performance in delivery of childhood immunizations, HEDIS[®], 1999-2002. *AJMC* 2007;13:193-200. Pubmed PMID: 17408339
24. **Bardenheier B**, Strikas R, Kempe A, Stokley S, Ellis J. Influenza Vaccine Supply, 2005-2006: Did we come up short? *BMC Health Services Research* 2007;7:66. PMCID: 1871587
25. Sand K, Lynn J, **Bardenheier B**, Seow H, Nace D. Increasing Influenza Immunization for Long-Term Care Facility Staff using Quality Improvement. *JAGS* 2007;55:1741-7. Pubmed PMID: 17979897
26. Shimabukuro T, Wortley P, **Bardenheier B**, Bresnitz E, DeBlois A, Hahn C, Mangione E. Survey of State Practices During the 2004–05 Influenza Vaccine Shortage. *PHR*.2007;122:311-18. PMCID: 1847493
27. **Bardenheier B**, Groom H, Zhou F, Kong Y, Shefer A, Stokley S, Shih S. Managed care organizations' performance in delivery of adolescent immunizations, HEDIS[®], 1999-2002. *Journal of Adolescent Health*. 2008;42:137-145. Pubmed PMID: 18207091
28. Gordon NP, Wortley PM, Singleton JA, Lin TY, and **Bardenheier BH**. Race/ethnic disparities in validity of self-reported pneumococcal vaccination. *BMC Public Health* 2008; 8:227. PMCID: 2474865
29. Lorick SA, Wortley PM, Lindley MC, **Bardenheier B**, Euler GL. US healthcare facility workers and influenza vaccination during the 2004-2005 influenza vaccine shortage. Who got vaccinated and why the rest didn't? *Am J Prev Med*. 2008;34(6):455-462. Pubmed PMID: 18471580
30. Marsteller JA, Tiggler RB, Remsburg RE, **Bardenheier, B**, Shefer A. Pneumococcal Immunization in Nursing Homes: Does Race Make a Difference? *JAMDA*. 2008;9:641-7. Pubmed PMID: 18992696
31. Stokley S, Lees K, Kennedy A, **Bardenheier B**. Adult Vaccination Coverage Levels Among Current Users of Complementary/Alternative Medicine—Results from the 2002 National Health Interview Survey (NHIS). *BMC Complementary and Alternative Medicine* 2008; 8:6. PMCID: 2266896
32. **Bardenheier B**, Wortley PM, Shefer A. Influenza vaccine in African-American and white nursing home residents: is there a gap? *JAGS* 2009;57:2164-2165. Pubmed PMID: 20121969
33. **Bardenheier B**, Shefer A, Lu PJ, Remsburg R, Marsteller J. Are standing order programs associated with increased influenza vaccination coverage? – National Nursing Home Survey, 2004. *JAMDA* 2010;11:654-661. Pubmed PMID: 21030000
34. **Bardenheier B**, Wortley P, Ahmed F, Hales C, Shefer A. Influenza immunization coverage among residents of long-term care facilities certified by CMS, 2005-2006: The newest MDS quality indicator. *JAMDA* 2010;11:59-69. Pubmed PMID: 20129216

35. Lu PJ, Ding H, Euler GL, Furlow C, Bryan LN, **Bardenheier B**, Yankey D, Monsell E, Gonzalez-Feliciano AG, LeBaron C, Singleton JA, Town T, Balluz L. Interim Results: State-Specific Influenza A (H1N1) 2009 Monovalent Vaccination Coverage --- United States, October 2009--January 2010. *MMWR* 2010;59(12);363-368. Pubmed PMID: 20360670
36. Ding H, Lu PJ, Euler GL, Furlow C, Bryan LN, **Bardenheier B**, Monsell E, Gonzalez-Feliciano AG, LeBaron C, Wortley PM, Singleton JA, Town M, Balluz L. Interim Results: State-Specific Seasonal Influenza Vaccination Coverage --- United States, August 2009--January 2010. *MMWR* 2010;59(16);477-484. Pubmed PMID: 20431523
37. Poehling KA, Fairbrother G, Zhu Y, Donauer S, Ambrose S, Edwards KM, Staat MA, Prill MM, Finelli L, Allred NJ, **Bardenheier B**, Szilagyi PG. Practice and child characteristics associated with influenza vaccine uptake in young children. *Pediatrics* 2010;126:665-673. PMCID: 3673003
38. **Bardenheier B**, Shefer A, Ahmed F, Remsburg R, Rowland Hogue CJ, Gravenstein S. Do vaccination strategies implemented by nursing homes narrow the racial gap in receipt of influenza vaccination in the United States? *JAGS* 2011;59:687-693. PMCID: 4544855
39. **Bardenheier B**, Wortley P, Ahmed F, Gravenstein S, Rowland Hogue CJ. Racial inequities in receipt of influenza vaccination among long-term care residents within and between facilities in Michigan. *Medical Care* 2011;49:371-377. Pubmed PMID: 21368681
40. **Bardenheier B**, Shefer AM, Rodewald L, Ahmed F, Gravenstein S, Remsburg R. In Reply: Influenza Vaccination in Long-Term Care Facilities: More Than Standing Order Programs? DOI:10.1016/j.JAMDA.2011.01.011. Pubmed PMID: WOS:000290924500017
41. **Bardenheier B**, Wortley P, Shefer A, McCauley M, Gravenstein S. Racial inequities in receipt of influenza vaccination among nursing home residents in the United States, 2008-2009: A pattern of low overall coverage in facilities in which most residents are black. *Journal of the American Medical Directors Association* 2012;3:470-6. PMCID: 4554484
42. Furlow-Parmley C, Singleton JA, **Bardenheier B**, L Bryan. Combining Estimates from Two Surveys: An Example from Monitoring 2009 Influenza A (H1N1) Pandemic Vaccination. *Statistics in Medicine*. 2012; 31:3285-94. Pubmed PMID: 22859268
43. **Bardenheier B**, Shefer A, Furlow C, Gravenstein S, Rowland Hogue CJ. Influential authorities for vaccination policies and barriers to implementing standing orders for influenza vaccination among nursing facilities in 14 states, 2000-2002. *American Journal of Theoretical and Applied Statistics*. 2012; 1: 1-11.
44. **Bardenheier B**, Gravenstein S, Furlow C, Ahmed F, Rowland Hogue CJ. Does frailty drive the racial gap in influenza vaccination within nursing facilities in Michigan, 2005-2006? *American Journal of Public Health Research*. 2013;1(2):38-46.
45. **Bardenheier B**, Correa A, Kahn HS, Kirtland K, Geiss L. Reply to Comment on: Variation in rates of gestational diabetes among hospital discharges for obstetric delivery across 23 states in the U.S. *Diabetes Care*. 2013;36:e103. PMCID: 3687270
46. **Bardenheier B**, Bullard K, Caspersen C, Cheng Y, Gregg E, Geiss L. A novel use of structural equation models to examine factors associated with prediabetes among adults aged 50 years and older, NHANES 2001-2006. *Diabetes Care*. 2013;36:2655-2662. PMCID: 3747946
47. **Bardenheier B**, Elixhauser A, Correa A, Kuklina E, Imperatore G, Devlin H, Geiss L. Variation in Prevalence of Gestational Diabetes Among Hospital Discharges for Obstetric

- Delivery Across 23 States in the United States. *Diabetes Care* 2013;36:1209-1214. PMCID: 3631849
48. **Bardenheier B**, Cogswell M, Gregg E, Williams D, Zhang Z, Geiss L. Does knowing one's elevated glycemic status make a difference in macronutrient intake? *Diabetes Care* 2014; DOI: 10.2337/dc14-1342. PMCID: 4535332
 49. **Bardenheier B**, Gregg E, Zhuo X, Cheng Y, Geiss L. Association of Functional Decline with Subsequent Diabetes Incidence in U.S. Adults Aged 51 Years and Older: The Health and Retirement Study 1998-2010. *Diabetes Care*. 2014;37:1032-1038. Pubmed PMID: 24550218
 50. Luo H, Beckles G, Zhang X, Sotnikov S, Thompson T, **Bardenheier B**. The relationship between county-level contextual characteristics and use of diabetes care services. *Journal of Public Health Management & Practice*. 2013; DOI: 10.1097/PHH.0b013e31829bfa60. PMCID: 4834855
 51. **Bardenheier B**, Imperatore G, Devlin H, Kim S, Cho P, Geiss L. Trends in pre-pregnancy diabetes among hospital deliveries in 19 U.S. states, 2000-2010. *AJPM*. 2015;48: 154-161. PMCID: 4486010
 52. **Bardenheier B**, Imperatore G, Gilboa S, Geiss L, Saydah S, Devlin H, Kim S, Gregg E. Trends in gestational diabetes among hospital deliveries in 19 U.S. states, 2000-2010. *AJPM*. 2015;49(1):12-19. Featured article in July edition of AJPM with CME credits awarded for addressing questions we provided upon the journal's request. PMCID: 4532269
 53. Brinks R, **Bardenheier BH**, Hoyer A, Lin J, Landwehr S, Gregg E. Development and demonstration of a state model for the estimation of incidence of partly undetected chronic diseases. *BMC Medical Research Methodology*. 2015;15 DOI 10.1186/s12874-015-0094-y. PMCID: 4642685
 54. Correa A, **Bardenheier B**, Elixhauser A, Geiss L, Gregg E. Trends in Prevalence of Diabetes among Delivery Hospitalizations, United States, 1993–2009. *Matern Child Health J*. 2015;19(3):635-42. doi: 10.1007/s10995-014-1553-5. PMCID: 4527040
 55. Simeone R, Devine O, Marcinkevage J, Gilboa S, Razzaghi H, **Bardenheier B**, Sharma A, Honein M. Diabetes and Congenital Heart Defects: A Systematic Review, Meta-Analysis, and Modeling Project. *AJPM*. 2015;48(2):195-204. PMCID: 4455032
 56. Zhuo X, Zhang P, Kahn HS, **Bardenheier B**, Li R, Gregg E. Change in medical spending attributable to diabetes: National data from 1987 to 2011. *Diabetes Care* 2015; 38:581–587. Pubmed PMID: 25592194
 57. **Bardenheier BH**, Duderstadt SK, Higgs JB, Keith MP, Papadopoulos PJ, Gilliland WR, McNeil MM. Adverse events following pandemic influenza A (H1N1) 2009 monovalent and seasonal influenza vaccinations during the 2009-2010 season from the active component U.S. military and civilians aged 17-44 years reported to the Vaccine Adverse Event Reporting System, United States. *Vaccine*. 2016;34:4406-4414. PMCID: 6463880
 58. **Bardenheier BH**, Duffy J, Duderstadt SK, Higgs JB, Keith MP, Papadopoulos PJ, Gilliland WR, McNeil MM. Anthrax vaccine and the risk of rheumatoid arthritis and systemic lupus erythematosus in the U.S. military: a case-control study. *Military Medicine*. 2016;181:1348-1356. PMCID: 6545587
 59. **Bardenheier BH**, Lin J, Zhuo X, Ali MK, Thompson TJ, Cheng YJ, Gregg EW. Compression or Expansion of Disability among Two Birth Cohorts of U.S. Diabetic Adults in the past 20 Years? *Lancet Diabetes & Endocrinology* published online: June 10, 2016 [http://dx.doi.org/10.1016/S2213-8587\(16\)30090-0](http://dx.doi.org/10.1016/S2213-8587(16)30090-0) PMCID: 4959005

60. **Bardenheier BH**, Lin J, Zhuo X, Ali MK, Thompson TJ, Cheng YJ, Gregg EW. Disability-Free Life-Years Lost among Adults Aged >50 Years, with and without Diabetes Mellitus. *Diabetes Care* 2016; DOI: 10.2337/dc15-1095. PMID: 5884095
61. Marshall G, Schell T, Hambarsoomian K, Wong E, Berthold M, Elliott M, **Bardenheier B**, Gregg E. Diabetes and Cardiovascular Disease Risk in Cambodian Refugees. *Journal of Immigrant and Minority Health*. 2016;18(1):110-117. PMID: 4526445
62. **Bardenheier BH**, McNeil MM, Wodi AP, McNicholl J, DeStefano F. Risk of non-targeted infectious disease hospitalizations among U.S. children following inactivated and live vaccines, 2005-2014. *Clinical Infectious Diseases*. 2017;65:729-37. PMID: 5879781
63. Lin J, Zhuo X, **Bardenheier BH**, Rolka D, Gregg E, Hong Y, Wang, G, Albright A, Zhang P. Cost-effectiveness of the 2014 U.S. Preventive Services Task Force (USPSTF) recommendations for intensive behavioral counseling interventions for adults with cardiovascular risk factors. *Diabetes Care*. 2017;40(5):640-646. Pubmed PMID: 28213373
64. Zhang X, Devlin H, Smith B, Imperatore G, Thomas W, Lobelo F, Norris K, Ali MK, Gruss S, **Bardenheier B**, Cho P, de Quevedo IG, Mudaliar U, Jones CD, Durthaler JM, Saaddine J, Geiss LS, Gregg EW. Effect of Lifestyle Interventions on Cardiovascular Risk Factors among Adults without Impaired Glucose Tolerance or Diabetes: A Systematic Review and Meta-analysis. *PLOS One*. 2017; 12(5): e0176436. <https://doi.org/10.1371/journal.pone.0176436>. PMID: 5426619
65. Zhang X, Imperatore G, Thomas W, Cheng YJ, Lobelo F, Norris K, Devlin HM, Ali MK, Gruss S, **Bardenheier B**, Cho P, de Quevedo IG, Mudaliar U, Saaddine J, Geiss LS, Gregg EW. Effect of Lifestyle Interventions on Glucose Regulation among Adults without Impaired Glucose Tolerance or Diabetes: A Systematic Review and Meta-Analysis. *Diabetes Research and Clinical Practice*. 2017;123:149-164. PMID: 6625761
66. **Bardenheier BH**, McNeil MM, Wodi AP, McNicholl JM, DeStefano F. Reply to Letter to the Editor: Burgner, et.al. *Clinical Infectious Diseases*. 2018;66(2):319. PMID: 6532767
67. Gregg EW, Lin J, **Bardenheier B**, Chen H, Rejeski WJ, Zhuo X, Hergenroeder AL, Kritchevsky S, Peters A, Wagenknecht, L, Ip E, Espeland MA. Impact of Intensive Lifestyle Intervention on Active and Disabled Life Expectancy: The Look AHEAD Study. *Diabetes Care*. 2018 Mar; dc172110. <https://doi.org/10.2337/dc17-2110>. PMID: 5911793
68. Iqbal SA, Winston CA, **Bardenheier BH**, Armstrong LR, Navin TL. Age-period-cohort analyses of tuberculosis incidence in the United States by nativity, 1996-2016. *AJPH*. 2018;108:S315-S320. PMID: 6215379
69. **Bardenheier BH**, Pavkov M, Winston CA, Klosovsky A, Yen C, Benoit S, Gravenstein S, Posey DL, Phares CR. Prevalence of Tuberculosis Disease Among Adult US-Bound Refugees with Chronic Kidney Disease. *Journal of Immigrant and Minority Health*. 2019;21(6):1275-1281. doi: 10.1007/s10903-018-00852-8. Pubmed PMID: 30612283
70. **Bardenheier BH**, Phares CR, Simpson D, Gregg EW, Cho P, Benoit S, Marano N. Trends in chronic diseases reported by refugees from Burma resettling to the United States from camps versus urban areas during 2009 to 2016. *Journal of Immigrant and Minority Health*. 2019;21(2):246-256. Pubmed PMID: 29761353
71. Lindley MC, Kahn KE, **Bardenheier B**, D'Angelo D, Dawood F, Fink RV, Havers F, Skoff T. Vital Signs: Burden and Prevention of Influenza and Pertussis Among Pregnant Women and Infants — United States. *MMWR Morb Mortal Wkly Rep* 2019;68:885–892. DOI: <https://dx.doi.org/10.15585/mmwr.mm6840e1>.

72. Muhlenbruch K, Zhuo X, **Bardenheier B**, Laxy M, Icks A, Zhang P, Gregg EW, Schulze MB. Selecting the optimal risk threshold of diabetes risk scores to identify high-risk individuals for diabetes prevention: a cost-effectiveness analysis. *Acta Diabetologica*. 2019; DOI: (10.1007/s00592-019-01451-1)
73. **Bardenheier BH**, Lindley M, Ball S, de Perio MA, Laney S, Gravenstein S. Patterns of Immunization attitudes and beliefs among Health Care Personnel: A Cluster Analysis. *Am J Hlth Behav* 2020;44(3):302-312.
74. **Bardenheier BH**, Zullo AR, Jutkowitz E, Gravenstein S. Characteristics of repeated influenza vaccination among older U.S. adults. In Press: *AJPM*

OTHER NON-PEER REVIEWED PUBLICATIONS

1. **Bardenheier B**, Lindley M, Yue X, Oyegun I, Ball SW, Devlin R, de Perio M, Laney AS, Lu PJ, Fink TV. Influenza Vaccination Coverage among Health Care Personnel – United States, 2018-19 Influenza Season. Online Report, CDC. 2019.
https://www.cdc.gov/flu/fluview/hcp-coverage_1819estimates.htm

SCHOLARLY WORK PUBLISHED IN OTHER MEDIA

1. In 1998 the producers of the television show “ER” contacted me for further information about a tetanus case in a child who contracted the disease from a dog bite wound; they read our Tetanus Surveillance report in the 1995-1997 MMWR. The information was used for an episode.
2. In 2004 my interview was published in a long-term care newspaper about an article published on the characteristics of long-term care facility residents associated with receipt of influenza and pneumococcal vaccinations.
3. In 2006 I was interviewed by a managed care trade journal about an article I published on childhood immunization measures in HEDIS.
4. In 2013 staff from Duke University contacted me for an interview about my paper using structural equation models to assess the causal pathway of prediabetes; the interview was written up in their university newspaper for alumnae.
5. In 2017 I was interviewed by Reuters about my risk of non-targeted infectious disease hospitalizations among children following inactivated and live vaccines paper and it was in the news in the United States as well as in Italy and Australia.

INVITED PRESENTATIONS

National

1. **Bardenheier B**. Why use structural equation models and path analysis? Causal models workshop, Emory University. Atlanta, GA, May, 2011. Also presented this to the Division of Diabetes Translation’s (CDC) Monthly Colloquium July, 2011.
2. **Bardenheier B**, McNeil MM, Wodi AP, McNicholl J, DeStefano F. Risk of non-targeted infectious disease hospitalizations among U.S. children following inactivated and live vaccines,

2005-2014, presented as a TED Talk, representing the Division of Healthcare Quality Prevention at the CDC's NCEZID Science Summit, November, 2016.

3. **Bardenheier B**, Lin J, Zhuo X, Ali MK, Thompson TJ, Cheng YJ, Gregg EW. Changes in Lifespan and Disabled-years among US Adults with and without Diabetes: Compression or Expansion of Disability? and Risk of non-targeted infectious disease hospitalizations among U.S. children following inactivated and live vaccines, 2005-2014, presented as a TED Talk. Brown University, Rhode Island, September, 2017.
4. **Bardenheier B**, Black C, Ball S, Zhou F, Singleton JA. Using Machine Learning to Predict the Most Influential Reasons Pregnant Women get the Flu Shot. National Center for Immunization and Respiratory Diseases Pi Day seminar, Centers for Disease Control and Prevention, Atlanta, GA March, 2019.
5. **Bardenheier B**. Influenza Vaccination Coverage: Preliminary Estimates for the 2018-19 Season. Plenary session of the National Adult and Influenza Immunization Summit, Atlanta, GA May, 2019.

OTHER PRESENTATIONS

National

1. Epidemiology of Pertussis in the United States, 1994. National Immunization Conference, Los Angeles, CA, May, 1995.
2. Pertussis Reported in the U.S. by age and state, 1997. National Immunization Conference, Atlanta, GA, May, 1998.
3. Tetanus Reported in the United States, 1972-1997. National Immunization Conference, Atlanta, GA, May, 1998.
4. Parental Knowledge, Attitudes, and Practices Associated with Not Receiving Hepatitis A Vaccine: Butte County California. Hepatitis Coordinators' Conference, San Antonio, TX, January, 2003.
5. Are Parental Vaccine Safety Concerns Impacting Receipt of MMR, DTaP, and Hepatitis B Vaccines by Children? National Immunization Conference, Chicago, IL March, 2003.
6. What Factors are Associated with Late Start of Immunizations in Underserved Areas? National Immunization Conference, Chicago, IL, March, 2003
7. Nursing Home Resident Characteristics Associated with Receipt of Influenza and Pneumococcal Vaccinations. Published in the following conference proceedings: Society for Epidemiological Research Abstract, Atlanta, GA, June, 2003; National Immunization Conference Abstract, Chicago, IL, March, 2003; Academy Health Annual Research Meeting Abstract, Nashville, TN, June, 2003. Also published in Supplement to: American Journal of Epidemiology. 2003;157(11):S43.
8. The when and why of multi-level analysis: Should epidemiologists be doing more multi-level analysis to answer important public health questions? International Conference for Health Policy Research, Chicago, IL, October 2003.
9. Do Sources of Parental Information Outside the Health Care Provider's Office Vary by Immunization Status? National Immunization Conference, Nashville, TN, May 2004.
10. Long-term Care Facility Characteristics Predictive of Increased Influenza and Pneumococcal Vaccination Coverage for Residents. Academy Health Annual Research Meeting, San Diego, CA, June 2004 and the National Immunization Conference, Nashville, TN, May 2004.

11. Nursing home resident and facility characteristics associated with pneumococcal vaccination, National Nursing Home Survey, 1995-1999. National Immunization Conference, Washington, D.C., March 2005.
12. Factors predictive of increased influenza and pneumococcal vaccination coverage in long-term care facilities: The CMS-CDC Standing Orders Program Project. HMO Research Network annual conference, Santa Fe, NM, April 2005.
13. Using Cluster Analysis to examine Patterns of Knowledge and Attitudes among Unvaccinated Older Adults: Results of the Racial and Ethnic Adult Disparities in Immunization Initiative (READII) Survey, 2004. American Academy of Health Behavior, Carmel, CA, March 2006.
14. Nursing Home Resident and Facility Characteristics Associated with Receipt of Influenza Vaccination, National Nursing Home Survey (NNHS), 1995-1999, National Immunization Conference, Atlanta, GA, March, 2006.
15. Are characteristics of MCOs associated with performance of HEDIS childhood immunization measures? National Immunization Conference, March, 2006, HMO Research Network annual conference, Boston, MA, May, 2006.
16. Factors associated with higher rates of adolescent varicella immunity among enrollees of commercial health insurance plans. National Immunization Conference, Atlanta, GA, March, 2008.
17. Use of CMS' Minimum Data Set to assess influenza vaccination coverage among long-term care residents. SAG Surveillance Forum, CDC, Atlanta, GA, October, 2008.
18. Influenza vaccination coverage and racial disparities in vaccination among U.S. long-term care residents, 2005-2006. National Immunization Conference, Dallas, TX, March 2009.
19. Are standing order programs associated with increased influenza vaccination coverage? – National Nursing Home Survey, 2004. Academy Health Annual Research Meeting, Chicago, IL, June 2009.
20. Racial disparities in influenza vaccination coverage among Michigan long-term care residents: Understanding the role of within and between facility differences. Academy Health Annual Research Meeting, Chicago, IL, June 2009.
21. PROC MIXED: Macro to assess fixed and random effects for significance using the Likelihood Ratio test and the approximate Mixture Method. Southeast SAS Users Group Conference, Birmingham, AL, October 2009.
22. H1N1 influenza vaccination levels among persons aged 6 months and older, U.S., 2009-2010 influenza season: Methods for combining child and adult data. Behavioral Risk Factor Surveillance System Conference, San Diego, CA, March, 2010.
23. Are standing order programs associated with increased influenza vaccination coverage? Results from the National Nursing Home Survey, 2004. National Immunization Conference, Atlanta, GA, April, 2010.
24. Do racial inequities in receipt of influenza vaccination among nursing home residents narrow if facility vaccination policies exist? Results of the National Nursing Home Survey, 2004. National Immunization Conference, Atlanta, GA, April, 2010.
25. Racial inequities in receipt of influenza vaccination among nursing home residents within and between facilities in the United States. CDC Statistical Symposium, Atlanta, GA, May 2011.

26. A novel use of structural equation models to examine factors associated with prediabetes among adults aged 50 years and older, NHANES 2001-2006. American Diabetes Association conference, Philadelphia, PA, June 2012.
27. Association of Functional Decline with Subsequent Diabetes Incidence in Older U.S. Adults: The Health and Retirement Study, 1998-2010. American Diabetes Association conference, Chicago, IL, June 2013.
28. Trends in pre-pregnancy diabetes among hospital deliveries in 19 U.S. states, 2000-2010. American Diabetes Association conference, San Francisco, CA, June 2014.
29. Does knowing one's elevated glycemic status make a difference in macronutrient intake? American Diabetes Association conference, San Francisco, CA, June 2014.
30. Changes in hemoglobin A1c and mortality risk in middle-aged and elderly people with diabetes in the United States, 2003-2012. American Diabetes Association, Boston, MA, June 2015
31. Healthy Life-years Lost among Middle- and Older-aged U.S. Adults with and without Diabetes Mellitus. American Diabetes Association, Boston, MA, June 2015
32. Incidence of Mobility Loss and Subsequent Recovery by Diabetes Status, 1998-2012. American Diabetes Association, Boston, MA, June 2015
33. Cluster analysis of depressive symptoms among newly arrived immigrants and refugees, North American Refugee Health Conference, Portland, OR, June, 2018.
34. Health conditions of Syrian refugees resettled to the US from 2011 – 2017, North American Refugee Health Conference, Portland, OR, June, 2018.
35. Using Secondary Survey Data to Benchmark and Assess Estimates from Internet Panel Surveys: A Use Case in Flu Vaccination Monitoring among Pregnant Women, 2013-2015. Academy Health Conference, Washington, D.C., June 2019.
36. The Gap in Successful SNF Discharges back to the Community between FFS Medicare Beneficiaries with and without ADRD is Narrowing. Academy Health Conference, Virtual Meeting, July 28 – August 6, 2020.

International

1. Using Cluster Analysis to examine Patterns of Knowledge and Attitudes among Unvaccinated Older Adults: Results of the Racial and Ethnic Adult Disparities in Immunization Initiative (READII) Survey, 2004. Society for Epidemiologic Research, Toronto, Ontario, Canada, June 2005.
2. Changes in Lifespan and Disabled-years among US Adults with and without Diabetes: Compression or Expansion of Disability? European Diabetes Epidemiology Group, Chantilly, France, April 2015.
3. Trends in prevalence of chronic diseases among US-bound Burmese refugees from 2009 to 2016. North American Refugee Health Conference, Toronto, Ontario, Canada, June 2017.
4. Risk of non-targeted infectious disease hospitalizations among U.S. children following inactivated and live vaccines, 2005-2014, International Conference on Pharmacoepidemiology and Therapeutic Risk Management in Montreal, Quebec, Canada, August, 2017.

GRANTS

Current Grants

1. The Burden of Infections in Long-Term Care Facilities: Identification, Treatment, and Health Outcomes
Role on Project: Co-Investigator (PI A. Zullo)
Project Period: September 1, 2017 – December 31, 2020
Funder: Sanofi Pasteur
Total Amount: \$1,439,086
Project Identifier: 005705
Description: The overall aims of this project are to describe the epidemiology of various infections and vaccine use in long-term care using recent data, thereby providing insights into a number of high-priority areas where vaccine and medication utilization can be improved.
2. Flublok Study: Stratified, Cluster Random Assignment Trial – RIV (with subcontract to Insight Therapeutics)
Role on Project: Co-Investigator (PI: S. Gravenstein)
Project Period: April 1, 2019 – September 30, 2023
Funder: Sanofi Pasteur
Total Amount: \$2,163,000
Description: Brown University will provide all methodological, measurement design and statistical analysis associated with the proposed stratified, cluster random assignment trial of quadrivalent recombinant influenza vaccine (RIV4) in the nursing home setting.
3. Stratified Cluster Random Assignment Trial FluAd (with Insight Therapeutics)
Role: Co-Investigator (PI: V. Mor)
Project Period: October 1, 2016 – September 30, 2020
Funder:
Total Amount: \$1,160,000
Description: Brown University will provide all methodological, measurement design and statistical analysis associated with the proposed stratified, cluster random assignment trial of high dose flu vaccine in the nursing home setting.
4. Alzheimer's Disease and Related Disorders Treatment and Outcomes in America: Changing Policies and Systems
Role on Project: Co-Investigator (MPIs: Mor & Trivedi)
Project Period: September 15, 2019 – May 31, 2024
Funder: NIA
Total Amount: \$28,402,016
Project Identifier: P01AG027296 09/15/19 – 05/31/24
Description: This Program Project proposal seeks to understand how the high-need ADRD patients at various stages of disease progression fare under alternative payment and regulatory structures. The project proposes to study the effects of Medicare policy changes on the care and outcomes experienced by persons with ADRD who interface with home health, skilled nursing, and long-term NH Care. The four projects and three cores all focus on the effects of national Medicare payment and quality regulation policies on the outcomes experienced by persons with ADRD.
5. Pneumococcal Vaccination Status and Incident Cardiovascular Disease in U.S. Nursing Homes (with Insight Therapeutics)

Role: Co-Investigator (PI: S. Gravenstein)

Project Period: November 1, 2019 – October 31, 2020

Funder: Pfizer

Total Amount: \$543,864

Description: To describe the pneumococcal vaccination exposure histories of long-stay nursing home residents and estimate the impact of PCV-13/PPSV-23 vs. PPV-23 alone on rates of major adverse cardiovascular-related (MACE) hospitalization events in long-stay nursing home residents.

6. Validation of Self-Reported Vaccination among Adults

Role: Authored the funding announcement, would be the PO if I were still at the CDC

Project Period: September 30, 2020 – September 30, 2022

Funder: CDC

Project Identifier: RFA-DP-20-003 SIP 20-008

Total Amount: \$1,200,000

Grants Under Review

1. The Role of Impaired Physical Function during Midlife on Predicting Future ADRD (PI: B. Bardenheier)
Funder: NIA, R03
2. The Role of Impaired Physical Function during Midlife on Predicting Future ADRD (PI: B. Bardenheier)
3. Funder: National Academy of Medicine, Catalyst Grant Risk of non-targeted infectious disease hospitalizations among U.S. children following inactivated, conjugate, and live vaccines (PI: B. Bardenheier)
Funder: National Academy of Medicine, Catalyst Grant
4. The Role of Non-Targeted Effects of Childhood Vaccines on Risk of Hospitalization (PI: B. Bardenheier)
Funder: NIAID, R21
5. The Role of Race in Influenza and COVID-19 Hospitalizations of Nursing Home Residents (PI: B. Bardenheier)
Funder: NIMHD, R21

Completed Grants

1. Mixed methods study: validation of vaccination of nursing home residents (quantitative) and assessment of reasons for racial disparities in vaccination among US nursing home residents (qualitative)
Role: Authored the funding announcement and was the PO
Project Period: September 30, 2010 – September 30, 2013
Funder: CDC
Project Identifier: Cooperative agreements 1U01IP000411-01 and 1U01IP000411-02
Total Amount: \$600,000
2. Implications of the 2002 United States varicella vaccine shortage and physician recommendations for vaccination
Role: PO

Project Period: September 30, 2003 – September 30, 2004

Funder: CDC

Project Identifier: Cooperative agreement with the Association of Teachers of Preventive Medicine (TS 0897)

Total Amount: \$200,000

3. Interventions to increase influenza vaccination of healthcare personnel

Role: PO

Project Period: September 30, 2004 – September 30, 2006

Funder: CDC

Project Identifier: Cooperative agreements 5U01IP000034-01 and 5U01IP000034-02

Total Amount: \$500,000

UNIVERSITY TEACHING AND MENTORING ROLES

Year - Year	Instructor	Course Name, Location
2007	Teaching Assistant	EPI740 Epidemiologic Modeling, Emory University
2008	Teaching Assistant	EPI591U Application of Epidemiologic Concepts, Emory University
2008	Guest Lecture	When to use multi-level analysis or generalized estimating equations, Health Services Research and Evaluation branch, Immunization Services Division, Centers for Disease Control and Prevention.
2008-2009	Teaching Assistant	EPI750 Longitudinal and Multi-Level Models, Emory University
2009	Guest Lecture	The use of directed acyclic graphs (DAGS), Immunization Services Division and to the Division of Viral Diseases, NCIRD, CDC, Division of Diabetes Translation monthly Colloquium, CDC, and the Division of Global HIV and TB in 2018.
2010	Guest Lecture	When to use multi-level analysis or generalized estimating equations, Assessment Branch, Immunization Services Division, Centers for Disease Control and Prevention
2013	Guest Lecture	Logistic regression from an epidemiological perspective, Prevention Effectiveness fellowship training, Centers for Disease Control and Prevention.