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Division of Pharmacoepidemiology
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EDUCATION

Professional or Graduate

- 2004-2006 Vanderbilt University
Master of Public Health (MPH)
Concentration: Pharmacoepidemiology
Mentor: Marie R. Griffin, MD MPH
- 1991-2001 Universidad Nacional San Luis Gonzaga, Facultad de Medicina Humana, Ica, Perú
MD
- 1991- 2001 Universidad Nacional San Luis Gonzaga, Facultad de Medicina Humana, Ica, Perú
BS

Post Graduate Training

- 2019 London School of Hygiene and Tropical Medicine
Introduction to Infectious Disease Modelling and its Applications
London, UK
- 2010 Fondation Merieux
Advanced course in Vaccinology
Annecy, France
- 2009 University of Washington, Department of Biostatistics
Modeling in Infectious Diseases
Seattle, WA
- 2004-2006 Vanderbilt University School of Medicine
Research Fellowship, Department of Preventive Medicine
Nashville, TN
- 2003 Johns Hopkins Bloomberg School of Public Health
Diploma in Tropical Medicine and Public Health
Baltimore, MD

EMPLOYMENT AND ACADEMIC APPOINTMENTS

- 2014-present Associate Professor (with tenure), Department of Health Policy (former Preventive Medicine),
Vanderbilt University School of Medicine, Nashville TN
- 2008-2014 Assistant Professor (tenure track), Department of Health Policy (former Preventive Medicine),
Vanderbilt University School of Medicine, Nashville TN

- 2006-2008 Research Assistant Professor, Department of Preventive Medicine, Vanderbilt University School of Medicine, Nashville TN
- 2004 – 2006 Research Fellow, Department of Preventive Medicine, Vanderbilt University School of Medicine, Nashville TN
- 2002 – 2004 Member. Epidemiological Research Unit. Office of Health Situation Analysis and Trends. General Office of Epidemiology - Ministry of Health, Peru
- 2001 – 2002 Primary Care physician - Responsible of the Disease Surveillance Program. Network Oyon - III Health Region. Ministry of Health, Peru

PROFESSIONAL ORGANIZATIONS

- 2020-present American Society for Clinical Investigation (ASCI), Elected Member
- 2014-present Infectious Diseases Society of America (IDSA), Member
- 2009-present International Society for Pharmacoepidemiology (ISPE), Member

ACADEMIC OR PROFESSIONAL HONORS

- 2020 Elected Member. American Society for Clinical Investigation (ASCI)
- 2020 Standing Study Section Member. Infectious Diseases, Reproductive Health, Asthma and Pulmonary Conditions (IRAP) – NIH (2020-2024)
- 2020 Top 10 papers published in 2019 (*Association of Treatment With Metformin vs Sulfonylurea With Major Adverse Cardiovascular Events Among Patients With Diabetes and Reduced Kidney Function. JAMA; Long-acting Opioid Use and the Risk of Serious Infections: A Retrospective Cohort Study. Clin Infect Dis; Changes in Otitis Media Episodes and Pressure Equalization Tube Insertions Among Young Children Following Introduction of the 13-Valent Pneumococcal Conjugate Vaccine: A Birth Cohort-based Study. Clin Infect Dis*) – Vanderbilt Epidemiology Center
- 2020 Appreciation Letter - National Center for Immunization and Respiratory Diseases. Centers for Disease Control and Prevention (CDC). Review Panel IP20-003: “*Network of Modeling Centers to Improve Evidence Base for Seasonal and Pandemic Influenza Prevention and Control.*”
- 2019 Outstanding Reviewer. *Annals of Internal Medicine*
- 2019 Standing Study Section Member. Health Care Research Training (HCRT) – AHRQ (2019-2020)
- 2019 Elected Fellow of the Infectious Diseases Society of America (IDSA)
- 2019 John S. Sergent Award for Excellence in Teaching. Vanderbilt University School of Medicine
- 2018 Robert Austrian Memorial Lecture Award. National Foundation for Infectious Diseases
- 2018 Elected member of the Vanderbilt Academy for Excellence in Teaching and Mentoring
- 2018 Outstanding Reviewer. *Annals of Internal Medicine*
- 2017 Chancellor Faculty Fellow. Vanderbilt University
- 2016 Top 10 paper published in 2015 (*Association Between Hospitalization With Community-Acquired Laboratory-Confirmed Influenza Pneumonia and Prior Receipt of Influenza Vaccination. JAMA. 2015 Oct 13;314(14):1488-97*) – Vanderbilt Epidemiology Center

- 2016 Best poster (Relation Of Nasopharyngeal Pneumococcal Density To The Evolution Of Acute Respiratory Illnesses In Young Children). International Symposium of Pneumococci and Pneumococcal Diseases 10, ISPPD-10 (Glasgow, UK)
- 2015 *New England Journal of Medicine (NEJM)* Notable paper of the year: Community-Acquired Pneumonia Requiring Hospitalization among U.S. Adults
- 2015 Top 10 paper published in 2014 (Decrease in antibiotic use, an added benefit of PCVs. *Lancet Infect Dis.* 2014 Mar;14(3):175-7) – Vanderbilt Epidemiology Center
- 2015 Top 10 paper published in 2014 (The Study of Respiratory Pathogens in Andean Children. *Int J Epidemiol.* 2014 Aug;43(4):1021-30) – Vanderbilt Epidemiology Center
- 2014 Scholar. Vanderbilt Center for Health Services Research. Institute for Medicine and Public Health. Vanderbilt University
- 2014 The Ronald D. Mann Best Paper Award. Best paper published in *Pharmacoepidemiology and Drug Safety (PDS)* in the year 2013
- 2014 Best Reviewer. *Pharmacoepidemiology and Drug Safety (PDS)*
- 2012 The Gary D. Friedman Outstanding Paper Award. Presented by the Kaiser Permanente Medical Care Program. Division of Research.
- 2010 First Place. Best Walk-on Poster on comparative effectiveness research. 26th ICPE: International Conference on Pharmacoepidemiology & Therapeutic Risk Management. Brighton, United Kingdom
- 2010 Award “Outstanding Achievement for Understanding and Improving Health Policy”. Agency for Healthcare Research and Quality (AHRQ)
- 2007 International incubator team leader and Fellow. Center for the Americas. Vanderbilt University
- 2003 Scholarship. The Summer Institute of Tropical Medicine and Public Health. Department of International Health - Bloomberg School of Public Health - Johns Hopkins University. MD
- 2002 Honorable Mention. Labor Recognition-General Office of Epidemiology – Ministry of Health. Perú
- 2002 Honorable Mention. Sarah Faith Award. Special Recognition for extraordinary actions to avoid a maternal death. Pathfinder International – Ministry of Health. Perú
- 2001 Roll of honor. Second Place. Internship Class of 2001. Hospital Nacional Guillermo Almenara Irigoyen. Perú
- 2000 Roll of honor. First Place. School of Medicine Class of 2000. Universidad Nacional “San Luis Gonzaga”. Perú

PUBLICATIONS

Original articles in refereed journals

1. Fisher KA, Olson SM, Tenforde MW, Self WH, Wu M, Lindsell CJ, Shapiro NI, Files DC, Gibbs KW, Erickson HL, Prekker ME, Steingrub JS, Exline MC, Henning DJ, Wilson JG, Brown SM, Peltan ID, Rice TW, Hager DN, Ginde AA, Talbot HK, Casey JD, **Grijalva CG**, Flannery B, Patel MM, Feldstein LR. Symptoms and recovery among adult outpatients with and without COVID-19 at 11 healthcare facilities- July 2020, United States. *Influenza Other Respir Viruses.* 2021 Jan 6. doi: 10.1111/irv.12832. Epub ahead of print. PMID: 33405338.

2. Rolfes MA, **Grijalva CG**, Zhu Y, McLean HQ, Hanson KE, Belongia EA, Halasa NB, Kim A, Meece J, Reed C, Talbot HK, Fry AM. Implications of Shortened Quarantine Among Household Contacts of Index Patients with Confirmed SARS-CoV-2 Infection - Tennessee and Wisconsin, April-September 2020. *MMWR Morb Mortal Wkly Rep*. 2021 Jan 1;69(5152):1633-1637. doi: 10.15585/mmwr.mm695152a1. PMID: 33382676.
3. Whitmore CC, Hawley RE, Min JY, Mitchel E Jr, Daugherty JR, Griffin MR, **Grijalva CG**. Building a Data Linkage Foundation for Mother-Child Pharmacoepidemiology Research. *Pharmaceut Med*. 2020 Dec 28. doi: 10.1007/s40290-020-00371-8. Epub ahead of print. PMID: 33369725.
4. Min JY, Osmundson SS, Griffin MR, Mitchel E Jr, Wiese AD, Patrick SW, **Grijalva CG**. Variation in discharge opioid prescribing after vaginal births. *Am J Obstet Gynecol MFM*. 2020 Dec 16;3(2):100298. doi: 10.1016/j.ajogmf.2020.100298. Epub ahead of print. PMID: 33340735.
5. Self WH, Tenforde MW, Stubblefield WB, Feldstein LR, Steingrub JS, Shapiro NI, Ginde AA, Prekker ME, Brown SM, Peltan ID, Gong MN, Aboodi MS, Khan A, Exline MC, Files DC, Gibbs KW, Lindsell CJ, Rice TW, Jones ID, Halasa N, Talbot HK, **Grijalva CG**, Casey JD, Hager DN, Qadir N, Henning DJ, Coughlin MM, Schiffer J, Semenova V, Li H, Thornburg NJ, Patel MM; CDC COVID-19 Response Team; IVY Network. Decline in SARS-CoV-2 Antibodies After Mild Infection Among Frontline Health Care Personnel in a Multistate Hospital Network - 12 States, April-August 2020. *MMWR Morb Mortal Wkly Rep*. 2020 Nov 27;69(47):1762-1766. doi: 10.15585/mmwr.mm6947a2. PMID: 33237893; PMCID: PMC7727600.
6. Fisher KA, Olson SM, Tenforde MW, Feldstein LR, Lindsell CJ, Shapiro NI, Files DC, Gibbs KW, Erickson HL, Prekker ME, Steingrub JS, Exline MC, Henning DJ, Wilson JG, Brown SM, Peltan ID, Rice TW, Hager DN, Ginde AA, Talbot HK, Casey JD, **Grijalva CG**, Flannery B, Patel MM, Self WH; IVY Network Investigators; CDC COVID-19 Response Team. Telework Before Illness Onset Among Symptomatic Adults Aged ≥ 18 Years With and Without COVID-19 in 11 Outpatient Health Care Facilities - United States, July 2020. *MMWR Morb Mortal Wkly Rep*. 2020 Nov 6;69(44):1648-1653. doi: 10.15585/mmwr.mm6944a4. PMID: 33151918; PMCID: PMC7643895.
7. **Grijalva CG**, Rolfes MA, Zhu Y, McLean HQ, Hanson KE, Belongia EA, Halasa NB, Kim A, Reed C, Fry AM, Talbot HK. Transmission of SARS-COV-2 Infections in Households - Tennessee and Wisconsin, April-September 2020. *MMWR Morb Mortal Wkly Rep*. 2020 Nov 6;69(44):1631-1634. doi: 10.15585/mmwr.mm6944e1. PMID: 33151916; PMCID: PMC7643897.
8. Howard LM, Thurm C, Dantuluri K, Griffith HG, Katz SE, Ward MJ, Banerjee R, **Grijalva CG**. Parenteral Antibiotic Use Among Ambulatory Children in United States Children's Hospital Emergency Departments. *Open Forum Infect Dis*. 2020 Oct 22;7(10):ofaa357. doi: 10.1093/ofid/ofaa357. PMID: 33123607; PMCID: PMC7579746.
9. Lipsett SC, Hall M, Ambroggio L, Hersh AL, Shah SS, Brogan TV, Gerber JS, Williams DJ, **Grijalva CG**, Blaschke AJ, Neuman MI. Antibiotic Choice and Clinical Outcomes in Ambulatory Children with Community-Acquired Pneumonia. *J Pediatr*. 2021 Feb;229:207-215.e1. doi: 10.1016/j.jpeds.2020.10.005. Epub 2020 Oct 10. PMID: 33045236.
10. Antoon JW, Hall M, Herndon A, Carroll A, Ngo ML, Freundlich KL, Stassun JC, Frost P, Johnson DP, Chokshi SB, Brown CM, Browning WL, Feinstein JA, **Grijalva CG**, Williams DJ. Prevalence of Clinically Significant Drug-Drug Interactions Across US Children's Hospitals. *Pediatrics*. 2020 Nov;146(5):e20200858. doi: 10.1542/peds.2020-0858. Epub 2020 Oct 9. PMID: 33037121; PMCID: PMC7786820.

11. Bachmann KN, Roumie CL, Wiese AD, **Grijalva CG**, Buse JB, Bradford R, Zalimeni EO, Knoepp P, Dard S, Morris HL, Donahoo WT, Fanous N, Fonseca V, Katalenich B, Choi S, Louzao D, O'Brien E, Cook MM, Rothman RL, Chakkalakal RJ. Diabetes medication regimens and patient clinical characteristics in the national patient-centered clinical research network, PCORnet. *Pharmacol Res Perspect*. 2020 Oct;8(5):e00637. doi: 10.1002/prp2.637. PMID: 32881317; PMCID: PMC7507366.
12. Feldstein LR, Self WH, Ferdinands JM, Randolph AG, Aboodi M, Baughman AH, Brown SM, Exline MC, Files DC, Gibbs K, Ginde AA, Gong MN, **Grijalva CG**, Halasa N, Khan A, Lindsell CJ, Newhams M, Peltan ID, Prekker ME, Rice TW, Shapiro NI, Steingrub J, Talbot HK, Halloran ME, Patel M; Influenza Vaccine Effectiveness in the Critically Ill (IVY) Investigators and the Pediatric Intensive Care Influenza Vaccine Effectiveness (PICFLU-VE) Investigators. Incorporating real-time influenza detection into the test-negative design for estimating influenza vaccine effectiveness: The real-time test-negative design (rtTND). *Clin Infect Dis*. 2020 Sep 25:ciaa1453. doi: 10.1093/cid/ciaa1453. Epub ahead of print. PMID: 32974644.
13. Fisher KA, Tenforde MW, Feldstein LR, Lindsell CJ, Shapiro NI, Files DC, Gibbs KW, Erickson HL, Prekker ME, Steingrub JS, Exline MC, Henning DJ, Wilson JG, Brown SM, Peltan ID, Rice TW, Hager DN, Ginde AA, Talbot HK, Casey JD, **Grijalva CG**, Flannery B, Patel MM, Self WH; IVY Network Investigators; CDC COVID-19 Response Team. Community and Close Contact Exposures Associated with COVID-19 Among Symptomatic Adults ≥ 18 Years in 11 Outpatient Health Care Facilities - United States, July 2020. *MMWR Morb Mortal Wkly Rep*. 2020 Sep 11;69(36):1258-1264. doi: 10.15585/mmwr.mm6936a5. PMID: 32915165; PMCID: PMC7499837.
14. Self WH, Tenforde MW, Stubblefield WB, Feldstein LR, Steingrub JS, Shapiro NI, Ginde AA, Prekker ME, Brown SM, Peltan ID, Gong MN, Aboodi MS, Khan A, Exline MC, Files DC, Gibbs KW, Lindsell CJ, Rice TW, Jones ID, Halasa N, Talbot HK, **Grijalva CG**, Casey JD, Hager DN, Qadir N, Henning DJ, Coughlin MM, Schiffer J, Semenova V, Li H, Thornburg NJ, Patel MM; CDC COVID-19 Response Team; IVY Network. Seroprevalence of SARS-CoV-2 Among Frontline Health Care Personnel in a Multistate Hospital Network - 13 Academic Medical Centers, April-June 2020. *MMWR Morb Mortal Wkly Rep*. 2020 Sep 4;69(35):1221-1226. doi: 10.15585/mmwr.mm6935e2. PMID: 32881855; PMCID: PMC7470460.
15. Tenforde MW, Feldstein LR, Lindsell CJ, Patel MM, Self WH; IVY Network Investigators, CDC COVID-19 Response Team. Exposures in adult outpatients with COVID-19 infection during early community transmission, Tennessee. *Influenza Other Respir Viruses*. 2021 Jan;15(1):175-177. doi: 10.1111/irv.12792. Epub 2020 Aug 4. PMID: 32755020; PMCID: PMC7436307.
16. Smithee RB, Markus TM, Soda E, **Grijalva CG**, Xing W, Shang N, Griffin MR, Lessa FC. Pneumonia Hospitalization Coding Changes Associated With Transition From the 9th to 10th Revision of International Classification of Diseases. *Health Serv Res Manag Epidemiol*. 2020 Jul 24;7:2333392820939801. doi: 10.1177/2333392820939801. PMID: 32782916; PMCID: PMC7383658.
17. Howard LM, Edwards KM, Zhu Y, Williams DJ, Self WH, Jain S, Ampofo K, Pavia AT, Arnold SR, McCullers JA, Anderson EJ, Wunderink RG, **Grijalva CG**. Parainfluenza Virus Types 1-3 Infections Among Children and Adults Hospitalized with Community-Acquired Pneumonia. *Clin Infect Dis*. 2020 Jul 18:ciaa973. doi: 10.1093/cid/ciaa973. Epub ahead of print. PMID: 32681645.
18. Stubblefield WB, Talbot HK, Feldstein L, Tenforde MW, Rasheed MAU, Mills L, Lester SN, Freeman B, Thornburg NJ, Jones ID, Ward MJ, Lindsell CJ, Baughman A, Halasa N, **Grijalva CG**, Rice TW, Patel MM, Self WH; Influenza Vaccine Effectiveness in the Critically Ill (IVY) Investigators. Seroprevalence of SARS-CoV-2 Among Frontline Healthcare Personnel During the First Month of Caring for COVID-19 Patients - Nashville, Tennessee. *Clin Infect Dis*. 2020 Jul 6:ciaa936. doi: 10.1093/cid/ciaa936. Epub ahead of print. PMID: 32628750.

19. Carrell DS, Albertson-Junkans L, Ramaprasan A, Scull G, Mackwood M, Johnson E, Cronkite DJ, Baer A, Hansen K, Green CA, Hazlehurst BL, Janoff SL, Coplan PM, DeVeaugh-Geiss A, **Grijalva CG**, Liang C, Enger CL, Lange J, Shortreed SM, Von Korff M. Measuring problem prescription opioid use among patients receiving long-term opioid analgesic treatment: development and evaluation of an algorithm for use in EHR and claims data. *J Drug Assess*. 2020 Apr 28;9(1):97-105. doi: 10.1080/21556660.2020.1750419. PMID: 32489718; PMCID: PMC7241518.
20. Osmundson SS, Min JY, Wiese AD, Hawley RE, Mitchel E, Patrick SW, Samuels LR, Griffin MR, **Grijalva CG**. Opioid Prescribing After Childbirth and Risk for Serious Opioid-Related Events: A Cohort Study. *Ann Intern Med*. 2020 Jun 9. doi: 10.7326/M19-3805. Epub ahead of print. PMID: 32510992.
21. Chu PY, Hackstadt AJ, Chipman J, Griffin MR, Hung AM, Greevy RA Jr, **Grijalva CG**, Elasy T, Roumie CL. Hospitalization for Lactic Acidosis Among Patients With Reduced Kidney Function Treated With Metformin or Sulfonylureas. *Diabetes Care*. 2020 Jul;43(7):1462-1470. doi: 10.2337/dc19-2391. Epub 2020 Apr 23. PMID: 32327421; PMCID: PMC7305006.
22. Griffith HG, Dantuluri K, Thurm C, Williams DJ, Banerjee R, Howard L, **Grijalva CG**. Considerable variability in antibiotic use among US children's hospitals in 2017-2018 [published online ahead of print, 2020 Mar 6]. *Infect Control Hosp Epidemiol*. 2020;1-8. doi:10.1017/ice.2019.373
23. Liberman JS, D'Agostino McGowan L, Greevy RA, Morrow JA, Griffin MR, Roumie CL, **Grijalva CG**. Mental health conditions and the risk of chronic opioid therapy among patients with rheumatoid arthritis: a retrospective veterans affairs cohort study [published online ahead of print, 2020 Feb 8]. *Clin Rheumatol*. 2020;10.1007/s10067-020-04955-2. doi:10.1007/s10067-020-04955-2
24. Howard LM, Edwards KM, Zhu Y, **Grijalva CG**, Self WH, Jain S, Ampofo K, Pavia AT, Arnold SR, McCullers J, Anderson EJ, Wunderink R, Williams DJ. Clinical Features of Human Metapneumovirus-Associated Community-Acquired Pneumonia Hospitalizations [published online ahead of print, 2020 Feb 3]. *Clin Infect Dis*. 2020;ciaa088. doi:10.1093/cid/ciaa088
25. Zhang JB, Tamboli RA, Abaugh VL, Williams DB, Kilkelly DM, **Grijalva CG**, Shibao CA. The incidence of orthostatic intolerance after bariatric surgery. *Obes Sci Pract*. 2019;6(1):76-83. Published 2019 Dec 6. doi:10.1002/osp4.383
26. Howard LM, Zhu Y, Griffin MR, Edwards KM, Williams JV, Gil AI, Vidal JE, Klugman KP, Lanata CF, **Grijalva CG**. Nasopharyngeal Pneumococcal Density during Asymptomatic Respiratory Virus Infection and Risk for Subsequent Acute Respiratory Illness. *Emerg Infect Dis*. 2019 Nov;25(11):2040-2047. doi: 10.3201/eid2511.190157. PubMed PMID: 31625844; PubMed Central PMCID: PMC6810199.
27. Facer B, Wang F, **Grijalva CG**, Alvarez RD, Shu XO. Survival Outcomes for Robotic-Assisted Laparoscopy Versus Traditional Laparoscopy in Clinical Stage I Epithelial Ovarian Cancer. *Am J Obstet Gynecol*. 2019 Nov 9. pii: S0002-9378(19)32614-6. doi: 10.1016/j.ajog.2019.10.104. [Epub ahead of print] PubMed PMID: 31715149.
28. Lipsett SC, Hall M, Ambroggio L, Desai S, Shah SS, Brogan TV, Hersh AL, Williams DJ, **Grijalva CG**, Gerber JS, Blaschke AJ, Neuman MI. Predictors of Bacteremia in Children Hospitalized With Community-Acquired Pneumonia. *Hosp Pediatr*. 2019 Oct;9(10):770-778. doi: 10.1542/hpeds.2019-0149. Epub 2019 Sep 13. PubMed PMID: 31519736.
29. Min JY, **Grijalva CG**, Morrow JA, Whitmore CC, Hawley RE, Singh S, Swain RS, Griffin MR. A comparison of two algorithms to identify sudden cardiac deaths in computerized databases. *Pharmacoepidemiol Drug Saf*. 2019 Oct;28(10):1411-1416. doi: 10.1002/pds.4845. Epub 2019 Aug 7. PubMed PMID: 31390681; PubMed Central PMCID: PMC6810726.
30. Roumie CL, Chipman J, Min JY, Hackstadt AJ, Hung AM, Greevy RA Jr, **Grijalva CG**, Elasy T, Griffin MR. Association of Treatment With Metformin vs Sulfonylurea With Major Adverse Cardiovascular Events Among Patients With Diabetes and Reduced Kidney Function. *JAMA*. 2019 Sep 19:1-11. doi:

10.1001/jama.2019.13206. [Epub ahead of print] PubMed PMID: 31536102; PubMed Central PMCID: PMC6753652.

31. Van Hoang T, Coletti P, Melegaro A, Wallinga J, **Grijalva CG**, Edmunds JW, Beutels P, Hens N. A Systematic Review of Social Contact Surveys to Inform Transmission Models of Close-contact Infections. *Epidemiology*. 2019 Jun 30. doi: 10.1097/EDE.0000000000001047. [Epub ahead of print] PubMed PMID: 31274572.
32. Min JY, **Grijalva CG**, Morrow JA, Whitmore CC, Hawley RE, Singh S, Swain RS, Griffin MR. A comparison of two algorithms to identify sudden cardiac deaths in computerized databases. *Pharmacoepidemiol Drug Saf*. 2019 Aug 7. doi: 10.1002/pds.4845. [Epub ahead of print] PubMed PMID: 31390681.
33. Min JY, Hackstadt AJ, Griffin MR, Greevy RA Jr, Chipman J, **Grijalva CG**, Hung AM, Roumie CL. Evaluation of Weight Change and Hypoglycemia as Mediators in the Association between Insulin Use and Death. *Diabetes Obes Metab*. 2019 Aug 2. doi: 10.1111/dom.13846. [Epub ahead of print] PubMed PMID: 31373104.
34. Li Y, Reeves RM, Wang X, Bassat Q, Brooks WA, Cohen C, Moore DP, Nunes M, Rath B, Campbell H, Nair H; RSV Global Epidemiology Network; **RESCEU investigators**. Global patterns in monthly activity of influenza virus, respiratory syncytial virus, parainfluenza virus, and metapneumovirus: a systematic analysis. *Lancet Glob Health*. 2019 Aug;7(8):e1031-e1045. doi: 10.1016/S2214-109X(19)30264-5. PubMed PMID: 31303294.
35. Fritz CQ, Edwards KM, Self WH, **Grijalva CG**, Zhu Y, Arnold SR, McCullers JA, Ampofo K, Pavia AT, Wunderink RG, Anderson EJ, Bramley AM, Jain S, Williams DJ. Prevalence, Risk Factors, and Outcomes of Bacteremic Pneumonia in Children. *Pediatrics*. 2019 Jun 19. pii: e20183090. doi: 10.1542/peds.2018-3090. [Epub ahead of print] PubMed PMID: 31217309.
36. Osmundson SS, Wiese AD, Min JY, Hawley RE, Patrick SW, Griffin MR, **Grijalva CG**. Delivery type, opioid prescribing, and the risk of persistent opioid use after delivery. *Am J Obstet Gynecol*. 2019 Apr;220(4):405-407. doi: 10.1016/j.ajog.2018.10.026. Epub 2018 Oct 25. PubMed PMID: 30955527.
37. Isturiz RE, Ramirez J, Self WH, **Grijalva CG**, Counselman FL, Volturo G, Ostrosky-Zeichner L, Peyrani P, Wunderink RG, Sherwin R, Overcash JS, Oliva SP, File T, Wiemken TL, McLaughlin JM, Pride MW, Gray S, Alexander R, Ford KD, Jiang Q, Jodar L. Pneumococcal epidemiology among us adults hospitalized for community-acquired pneumonia. *Vaccine*. 2019 May 6. pii: S0264-410X(19)30575-4. doi: 10.1016/j.vaccine.2019.04.087. [Epub ahead of print] PubMed PMID: 31072732.
38. Green CA, Perrin NA, Hazlehurst B, Janoff SL, DeVeugh-Geiss A, Carrell DS, **Grijalva CG**, Liang C, Enger CL, Coplan PM. Identifying and classifying opioid-related overdoses: A validation study. *Pharmacoepidemiol Drug Saf*. 2019 Apr 24. doi: 10.1002/pds.4772. [Epub ahead of print] PubMed PMID: 31020755.
39. Wiese AD, Huang X, Yu C, Mitchel EF, Kyaw MH, Griffin MR, **Grijalva CG**. Changes in otitis media episodes and pressure equalization tube insertions among young children following introduction of the 13-valent pneumococcal conjugate vaccine: A birth-cohort based study. *Clin Infect Dis*. 2019 Feb 16. pii: ciz142. doi: 10.1093/cid/ciz142. [Epub ahead of print] PubMed PMID: 30770533.
40. Min JY, Presley CA, Wharton J, Griffin MR, Greevy RA Jr, Hung AM, Chipman J, **Grijalva CG**, Hackstadt AJ, Roumie CL. Accuracy of a composite event definition for hypoglycemia. *Pharmacoepidemiol Drug Saf*. 2019 Mar 6. doi: 10.1002/pds.4712. [Epub ahead of print] PubMed PMID: 30843332.
41. Wiese AD, Roumie CL, Buse JB, Guzman H, Bradford R, Zalimeni E, Knoepp P, Morris HL, Donahoo WT, Fanous N, Epstein BF, Katalenich BL, Ayala SG, Cook MM, Worley KJ, Bachmann KN, **Grijalva CG**, Rothman RL, Chakkalakal RJ. Performance of a computable phenotype for identification of patients

- with diabetes within PCORnet: The Patient-Centered Clinical Research Network. *Pharmacoepidemiol Drug Saf.* 2019 Jan 24. doi: 10.1002/pds.4718. [Epub ahead of print] PubMed PMID: 30680840.
42. Wiese AD, Griffin MR, Schaffner W, Stein CM, Greevy RA, Mitchel EF Jr, **Grijalva CG**. Long-acting opioid use and the risk of serious infections: a retrospective cohort study. *Clin Infect Dis.* 2018 Sep 15. doi: 10.1093/cid/ciy809. [Epub ahead of print] PubMed PMID: 30239630.
 43. Presley CA, Chipman J, Min JY, **Grijalva CG**, Greevy RA, Griffin MR, Roumie CL. Evaluation of frailty as an unmeasured confounder in observational studies of antidiabetic medications. *J Gerontol A Biol Sci Med Sci.* 2018 Sep 26. doi: 10.1093/gerona/gly224. [Epub ahead of print] PubMed PMID: 30256914.
 44. Bellew S, **Grijalva CG**, Williams DJ, Anderson EJ, Wunderink RG, Zhu Y, Waterer GW, Bramley AM, Jain S, Edwards KM, Self WH. Pneumococcal and Legionella Urinary Antigen Tests in Community-acquired Pneumonia: Prospective Evaluation of Indications for Testing. *Clin Infect Dis.* 2018 Sep 28. doi: 10.1093/cid/ciy826. [Epub ahead of print] PubMed PMID: 30265290.
 45. Min JY, Griffin MR, Chipman J, Hackstadt AJ, Greevy RA, **Grijalva CG**, Hung AM, Roumie CL. Recent metformin adherence and the risk of hypoglycaemia in the year following intensification with a sulfonylurea. *Diabet Med.* 2018 Oct 30. doi: 10.1111/dme.13853. [Epub ahead of print] PubMed PMID: 30378161.
 46. Frush JM, Zhu Y, Edwards KM, **Grijalva CG**, Thomsen IP, Self WH, Jain S, Anderson EJ, Ampofo K, Pavia AT, Arnold SR, McCullers JA, Williams DJ. Prevalence of Staphylococcus aureus and Use of Antistaphylococcal Therapy in Children Hospitalized with Pneumonia. *J Hosp Med.* 2018 Dec 1;13(12):848-852. doi: 10.12788/jhm.3093. Epub 2018 Oct 31. PubMed PMID: 30379141.
 47. Pratt CQ, Zhu Y, **Grijalva CG**, Wunderink RG, Mark Courtney D, Waterer G, Levine MZ, Jefferson S, Self WH, Williams DJ, Finelli L, Bramley AM, Edwards KM, Jain S, Anderson EJ. Serological response to influenza vaccination among adults hospitalized with community-acquired pneumonia. *Influenza Other Respir Viruses.* 2018 Nov 28. doi: 10.1111/irv.12622. [Epub ahead of print] PubMed PMID: 30485702.
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Invited Review Articles

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Invited Editorials

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2. Wiese AD, **Grijalva CG.** To boost or not to boost? Lessons from the Australian pneumococcal conjugate vaccination program. *Clin Infect Dis.* 2019 Aug 7. ciz735. doi: 10.1093/cid/ciz735. [Epub ahead of print] PubMed PMID: 31388668.
3. **Grijalva CG,** de St Maurice A. Timing is Everything: Pneumococcal Immunization in Inflammatory Bowel Disease. *Clin Infect Dis.* 2019 Mar 22. pii: ciz231. doi: 10.1093/cid/ciz231. [Epub ahead of print] PubMed PMID: 30899960.
4. Howard LM, **Grijalva CG.** The central role of pneumococcal colonization in the pathogenesis and control of pneumococcal diseases. *Future Microbiol.* 2018 Oct;13:1453-1456. doi: 10.2217/fmb-2018-0198. Epub 2018 Oct 12. PubMed PMID: 30311793.
5. **Grijalva CG.** Countrywide demonstration of adult protection derived from infant immunisation. *Thorax.* 2018 Jan 9. pii: thoraxjnl-2017-211099. doi: 10.1136/thoraxjnl-2017-211099. [Epub ahead of print] PubMed PMID: 29317547.
6. **Grijalva CG,** O'Donnell M, Talbot HK. Incorporating Markers of Disease Severity into Near Real-Time Influenza Surveillance. *Ann Am Thorac Soc.* 2017 Dec;14(12):1766-1767. doi: 10.1513/AnnalsATS.201709-719ED. PubMed PMID: 29192823.
7. Griffin MR, **Grijalva CG.** Restraining the pneumococcus. *Lancet Infect Dis.* 2015 May;15(5):491-2
8. **Grijalva CG.** Is Pneumonia a Risk Factor or a Risk Marker for Long-Term Mortality? *Am J Respir Crit Care Med.* 2015 Sep 1;192(5):532-4
9. **Grijalva CG.** Decrease in antibiotic use, an added benefit of PCVs. *Lancet Infect Dis.* 2014 Mar;14(3):175-7.
10. **Grijalva CG,** Griffin MR. Prevention of invasive pneumococcal diseases: beyond cultures. *Lancet Respir Med.* 2014 Sep;2(9):676-7
11. Griffin MR, **Grijalva CG.** Distribution of Pneumococcal Serotypes in Adult Pneumococcal Pneumonia Cases: Filling the Evidence Gap to Inform Vaccination Policies. *J Infect Dis.* 2013 Dec 1;208(11):1734-6.
12. **Grijalva CG,** Griffin MR. Unveiling the burden of influenza associated pneumococcal pneumonia. *J Infect Dis.* 2012 Feb;205(3):355-7
13. **Grijalva CG,** Moore MR, Griffin MR. Assessing the effect of pneumococcal conjugate vaccines: what is the value of routinely collected surveillance data? *Lancet Infect Dis.* 2011 Oct;11(10):724-6.

14. **Grijalva CG**, Edwards KM. Promises and challenges of the Pneumococcal conjugate vaccines for the developing world. *Clin Infect Dis*. 2006 Sep 15;43(6):680-2

Letters

1. Wiese AD, Greevy RA, **Grijalva CG**. Response to Boettiger [published online ahead of print, 2019 Nov 19]. *Clin Infect Dis*. 2019;ciz1136. doi:10.1093/cid/ciz1136
2. Wiese AD, Griffin MR, Schaffner W, Stein CM, **Grijalva CG**. Opioid Analgesic Use and Risk for Invasive Pneumococcal Diseases. *Ann Intern Med*. 2018 Sep 4;169(5):355. doi: 10.7326/L18-0295. PubMed PMID: 30178014.
3. Self WH, Wunderink RG, Jain S, Edwards KM, **Grijalva CG**; Etiology of Pneumonia in the Community (EPIC) Study Investigators. Procalcitonin as a Marker of Etiology in Adults Hospitalized With Community-Acquired Pneumonia. *Clin Infect Dis*. 2018 Jan 18. doi: 10.1093/cid/cix1090. [Epub ahead of print] PubMed PMID: 29360954.
4. Self WH, Wunderink RG, Williams DJ, Waterer GW, Jain S, Edwards KM, **Grijalva CG**. Reply to Chalmers, et al. *Clin Infect Dis*. 2016 Jul 8. pii: ciw466. [Epub ahead of print] PubMed PMID: 27402823.
5. Griffin MR, **Grijalva CG**. Hospitalizations after a decade of pneumococcal vaccination. *N Engl J Med*. 2013 Oct 24;369(17):1662-3
6. Niesner K, Murff HJ, Griffin MR, Wasserman B, Greevy R, **Grijalva CG**, Roumie CL. Validation of VA Administrative Data Algorithms for Identifying Cardiovascular Disease Hospitalization. *Epidemiology*. 2013 Mar;24(2):334-335.
7. **Grijalva CG**, Nuorti, JP, Edwards, KM, Griffin, MR. Herd immunity after pneumococcal conjugate vaccination - Authors' reply. *Lancet*, 370(9583), 219-220, 2007.
8. **Grijalva CG**, Arbogast PG, Griffin MR. Statins and Influenza/COPD Mortality. *Chest*. 2007 Oct; 132(4):1407.

Book chapter and others

1. **Grijalva CG**, Chung CP, Arbogast PG, Stein CM, Mitchel EF, Gideon PS, Dyer SM, Griffin MR. Relative effectiveness and safety of treatments for rheumatoid arthritis. DEcIDE network website. Agency for Healthcare Research and Quality.
2. Pachas P, **Grijalva CG**, Suarez LA. Severe Acute Respiratory Infection: SARS. Technical document. Blue book series. General Office of Epidemiology. Ministry of Health. Peru. 2003

Abstracts (list available upon request)

RESEARCH SUPPORT

Title: *Mentoring in transmission of influenza and strategies for prevention*

Role: Principal Investigator

Amount: \$893,007

Funding Agency: NIH – NIAID. 1K24AI148459

Dates: 2/3/2020-1/31/2025

Title: ***Learning Health System training program: PROGRESS--Patient/ pRactice Outcomes and Research in Effectiveness and Systems Science***

Role: Co-Principal Investigator (with Christianne Roumie)

Amount: \$1,780,795

Funding Agency: AHRQ. 1T32HS026122

Dates: 7/1/2018-6/30/2023

Title: ***Mentored Career Development Program – Learning Healthcare System***

Role: Investigator

Amount: \$1,855,910

Funding Agency: AHRQ. 1K12HS026395

Dates: 9/30/2018 – 9/29/2023

Title: **Risk Stratification and Decision Support to Improve Care and Outcomes in Children with Pneumonia**

Role: Investigator

Amount: \$3,878,929

Funding Agency: NIH – NIAID. 5R01AI125642

Dates: 02/01/2017-01/31/2022

Title: ***Enhanced Surveillance for new vaccine preventable diseases***

Role: Investigator

Amount: \$5,226,934

Funding Agency: CDC. 5U01IP001063

Dates: 09/01/2016 - 08/31/2021

Title: ***Vanderbilt Initiative for the Study of Antimicrobial Resistance Drivers***

Role: Co-Principal Investigator (with Leigh Howard)

Amount: \$200,000

Funding Agency: Vanderbilt University. Trans-Institutional Program (TIPS)

Dates: 7/1/2018-6/30/2021

Title: ***Household Transmission of Influenza Viruses in the Community***

Role: Co-Principal Investigator (with Keipp Talbot)

Amount: \$1,498,431

Funding Agency: CDC. 1U01IP001083

Dates: 09/01/2017-08/31/2021

Title: ***Sexually Transmitted Disease Testing in Medicaid Populations***

Role: Principal Investigator

Amount: \$45,000

Funding Agency: Academy Health / CDC

Dates: 6/1/2020 - 5/31/2021

Title: ***Maintenance and Operation for Medication Exposure in Pregnancy Risk Evaluation Program (MEPREP)***

Role: Investigator

Amount: \$19,858

Funding Agency: FDA. VUMC 60397

Dates: 09/01/2016 – 03/01/2021

Title: ***Innovative Methods to Evaluate the Role of Influenza Vaccines in Attenuating Severe Disease in Adults***
Role: Investigator –Epidemiologist
Amount: \$ 4,999,809
Funding Agency: CDC
Dates: 07/01/2020 - 06/30/2021

Title: ***The Household Sars-CoV-2 Transmission Evaluation Study***
Role: Co-Principal Investigator (with Keipp Talbot)
Amount: \$125,000 (redirected from 1U01IP001083 as public health priority)
Funding Agency: CDC
Dates: 4/15/2020-8/31/2020

Title: ***The Household Sars-CoV-2 Transmission Evaluation Study***
Role: Co-Principal Investigator (with Keipp Talbot)
Amount: \$500,000 (supplement to 1U01IP001083 as public health priority)
Funding Agency: CDC
Dates: 5/08/2020-8/31/2020

Title: ***Multicenter study of the risk of opioid overdose and death using claims data and vital records***
Role: Principal Investigator
Amount: \$728,179
Funding Agency: Syneos Health
Dates: 8/1/2019 - 3/30/2021

Title: ***Influenza Vaccine Effectiveness for Preventing Laboratory-Confirmed Severe Influenza-Associated Illness in US Adults***
Role: Investigator – Epidemiologist
Amount: \$1,906,532
Funding Agency: CDC
Dates: 07/01/2019 - 06/30/2020

Title: ***Assessment of changes in the incidence of acute otitis media episodes associated with the introduction of the 13-valent pneumococcal conjugate vaccine in the United States***
Role: Principal Investigator
Amount: \$248,044
Funding Agency: Sanofi-Pasteur. VUMC 59908
Dates: 4/4/2017-11/30/2020

Title: ***Emerging Infections Program***
Role: Investigator
Amount: \$128,062
Funding Agency: CDC. VUMC 07131 (U50CK000198)
Dates: 01/01/2012 – 12/31/2020

Title: ***Evaluation of the Risk of Neural Tube Defects Among Live Births Exposed to Maternal Prescription Opioids***
Role: Investigator
Amount: \$152,021
Funding Agency: FDA. VUMC 60868/ HHS2232014000421
Dates: 09/29/2016-09/28/2019

Title: ***Opioid Selection and the Risk of Serious Infections in Older Adults***

Role: Principal Investigator

Amount: \$2,275,384

Funding Agency: NIH – NIA. 1R01AG043471

Dates: 8/1/2013-11/31/2019 (NCE)

Title: ***Diabetes Incidence Prevalence and Medication***

Role: Investigator

Amount: \$559,271

Funding Agency: PCORI. VUMC42609(CDRN-1306-04869)

Dates: 03/11/2014 - 09/09/2019

Title: **Incidence and Predictors of Opioid Overdose and Death among ER/LA Opioid Analgesics Users as Measured by Diagnoses and Death Records - A Retrospective Database Study**

Role: Principal Investigator

Amount: \$1,374,372

Funding Agency: Campbell Alliance. VUMC52910

Dates: 12/1/2015-7/31/2019

Title: ***Salivary cortisol as a marker of community-acquired pneumonia severity in adults***

Role: Investigator

Amount: \$682,965

Funding Agency: NIH – NIGMS. 5K23GM110469

Dates: 4/1/2015 – 3/30/2019

Title: ***Comparative Effectiveness & Safety of Oral Antidiabetic Drugs***

Role: Investigator

Amount: \$1,842,626

Funding Agency: AHRQ. HHSA2902010000161–DEcIDE 2

Dates: 9/30/2010-9/29/2017 (NCE)

Title: ***Global Health Challenges – Acute and Long term consequences of RSV infections***

Role: Investigator

Amount: \$1,000,000

Funding Agency: Bill and Melinda Gates Foundation

Dates: 8/21/2013-8/31/2016

Title: ***The population impact of the new PCV13 vaccination program***

Role: Principal Investigator

Amount: \$99,888

Funding Agency: AHRQ. R03 HS022342

Dates: 8/1/2014-7/31/2016

Title: ***Opioid Analgesics and the Risk of Serious Infections in Seniors***

Role: Principal Investigator

Amount: \$151,692

Funding Agency: NIH – NIA. 5R03 AG042981

Dates: 8/1/2012-7/31/2015

Title: ***Role of Influenza Virus and Streptococcus Pneumoniae Co-infection in Severe Acute Respiratory Infections in Young Children***

Role: Principal Investigator

Amount: \$499,788

Funding Agency: Thrasher Research Fund

Dates: 5/1/2011-10/30/2015

Title: ***Vanderbilt Multidisciplinary Clinical Research Center***

Role: Investigator

Amount: \$6,210,633

Funding Agency: NIH NIAMS. 1P60 AR056116

Dates: 9/18/2008-7/31/2015

Title: ***Effectiveness of vaccination of children with PCV13 in Tennessee***

Role: Principal Investigator

Amount: \$130,000

Funding Agency: CDC. 12-IPA1210402

Dates: 8/1/2012-8/31/2014

Title: ***The Incidence and Etiology of Influenza-Associated Pneumonia in Hospitalized Persons***

Role: Investigator

Amount: \$3,605,606

Funding Agency: CDC. U18 1P000488

Dates: 9/1/2011-8/31/2013

Title: ***Annual Estimates of Influenza Vaccine Effectiveness: Davidson County TN***

Role: Investigator

Amount: \$1,356,458

Funding Agency: CDC. U18 P000184

Dates: 8/1/2010-7/31/2012

Title: ***Effectiveness and Safety of Orthostatic Hypotension Drugs***

Role: Investigator

Amount: \$65,000

Funding Agency: American Heart Association. 10CRP4310026

Dates: 7/1/2010-6/30/2012

Title: ***Assessing the Role of Viral Infections in the Acquisition of S. Pneumoniae***

Role: Principal Investigator

Amount: \$300,000

Funding Agency: Wyeth/Pfizer. 0667x1-4492

Dates: 8/4/2009-12/31/2011

Title: ***Evaluating the Impact of a Large School-based Influenza Immunization Campaign***

Role: Principal Investigator

Amount: \$448,296

Funding Agency: CDC. K01 OP0001631

Dates: 9/30/2007-9/30/2010

Title: ***Knox County Retrospective Analyses***

Role: Investigator

Amount: \$161,013
Funding Agency: MedImmune, Inc
Dates: 3/20/2008-3/19/2010

Title: ***Monitoring Pneumonia and Other Diseases in United States***

Role: Investigator
Amount: \$96,281
Funding Agency: APTR/CDC. TS-1454
Dates: 10/1/2008-9/30/2010

Title: ***The Impact of the Pneumococcal Conjugate Vaccine on Pneumonia Hospitalizations***

Role: Principal Investigator
Amount: \$56,849
Funding Agency: AHRQ. R03 HS016784
Dates: 3/1/2007-2/28/2009

Title: ***A multidisciplinary approach to reduce pneumonia among young Peruvian children***

Role: Principal Investigator
Amount: \$25,000
Funding Agency: NIH – Vanderbilt CTSA
Dates: 09/02/2008-09/02/2009

Title: ***International Incubator: Reducing pneumonia-related deaths in Peruvian Children: A multidisciplinary approach***

Role: Principal Investigator
Amount: \$10,000
Funding Agency: Vanderbilt Center for the Americas (CFA)
Dates: 08/01/07-04/31/2008

Title: ***Nationwide Impact of the Pneumococcal Vaccination Program***

Role: Investigator
Amount: \$116,719
Funding Agency: APTR/CDC
Dates: 9/30/2006-9/29/2007

Title: ***The DEcIDE Network***

Role: Investigator
Amount: \$242,577
Funding Agency: AHRQ. HHSA290200500421
Dates: 9/30/2005-6/30/2006

LICENSURE AND CERTIFICATION

Educational Commission for Foreign Medical Graduates (ECFMG) Certificate # 0-668-597-8. United States Medical Licensing Examination (USMLE), Steps 1, 2CK & 2CS

Medical College of Peru, MCP # 37654

PROFESSIONAL ACTIVITIES

INTRAMURAL ACTIVITIES

- 2020-present Member. Vanderbilt Health Policy COVID-19 Advisory Panel
- 2020-present PhD Health Policy Admissions Committee. Vanderbilt University School of Medicine
- 2020 MPH Director Search Committee. Vanderbilt University School of Medicine
- 2019-present Faculty Search Committee. Department of Health Policy. Vanderbilt University School of Medicine
- 2015-present MPH Admissions Committee. Vanderbilt University School of Medicine
- 2015-present Grant reviewer – Edge for Scholars (CTSA)
- 2013-2014 Vanderbilt University School of Medicine – Research 2 Curriculum Advisory Committee, Member
- 2013- present Vanderbilt University Master of Public Health (MPH) Program – Diversity Committee, Member
- 2010- 2018 The Vanderbilt Developing Evidence to Inform Decisions about Effectiveness (DEcIDE) network. Department of Health Policy. Vanderbilt University School of Medicine. Co-Director.

EXTRAMURAL ACTIVITIES

Ad-Hoc Journal Review (in Alphabetical order)

American Journal of Epidemiology, American Journal of Respiratory and Critical Care Medicine, Annals of Internal Medicine, Annals of the American Thoracic Society, Arthritis & Rheumatism, Arthritis Care & Research, Arthritis Research and Therapy, BMC Infectious Diseases, BMJ, BMJ Open, Bulletin of the World Health Organization, Canadian Medical Association Journal (CMAJ), Clinical Infectious Diseases, Clinical microbiology and infection, Clinical Therapeutics, Epidemiology and Infection, Expert Reviews of Anti-Infective therapy, Expert Reviews of Vaccines, Influenza and other respiratory viruses, Journal of Infection, Journal of the American Medical Association (JAMA), JAMA Pediatrics, Journal of Infectious Diseases, Journal of the Pediatric Infectious Diseases Society, Lancet Infectious Diseases, Lancet Respiratory Medicine, Medical Care, Nature Clinical Practice Rheumatology, New England Journal of Medicine (NEJM), Pan American Journal of Public Health, Pediatrics, Pediatric Infectious Diseases Journal, Pharmacoepidemiology and Drug safety, PLOS One, PLOS Computational Biology, PLOS Medicine, Respiratory Medicine, Vaccine

Ad-Hoc Grant Review

- 2020 Centers for Disease Control and Prevention (CDC) Special Emphasis Panel (Network of Modeling Centers to Improve Evidence Base for Seasonal and Pandemic Influenza Prevention and Control)
- 2020 PCORI – COVID-19 review cycle
- 2019 Thrasher Research Fund
- 2019 Centers for Disease Control and Prevention (CDC) Special Emphasis Panel (Influenza Vaccination)
- 2018 Centers for Disease Control and Prevention (CDC) Special Emphasis Panel (Influenza Vaccination)

- 2018 Thrasher Research Fund
- 2018 National Institutes of Health (NIH). Biomedical Computing and Health Informatics [BCHI] Study Section
- 2018 National Institutes of Health (NIH). The Infectious, Reproductive, Asthma and Pulmonary Conditions (IRAP) Study Section
- 2017 Centers for Disease Control and Prevention (CDC) Special Emphasis Panel (Influenza Vaccination)
- 2016 Patient-Powered Research Network Demonstration projects – Patient-Centered Outcomes Research Institute (PCORI)
- 2016 Centers for Disease Control and Prevention (CDC) Special Emphasis Panel (Influenza Vaccination)
- 2015 Centers for Disease Control and Prevention (CDC) Special Emphasis Panel (Influenza Vaccination)
- 2014 National Institutes of Health (NIH). The Infectious, Reproductive, Asthma and Pulmonary Conditions (IRAP) Study Section
- 2014 Centers for Disease Control and Prevention (CDC) Special Emphasis Panel (Influenza Vaccination)
- 2013 Centers for Disease Control and Prevention (CDC) Special Emphasis Panel (Influenza)
- 2013 Health Resources and Services Administration (HRSA), Preventive Medicine and Public Health Training Program
- 2012 Patient-Centered Outcomes Research Institute (PCORI)
- 2010 Centers for Disease Control and Prevention (CDC) Special Emphasis Panel (Influenza and interventions to improve vaccination coverage)
- 2009 Thrasher Research Fund
- 2009 Centers for Disease Control and Prevention (CDC) Special Emphasis Panel (Influenza)
- 2008 Centers for Disease Control and Prevention (CDC) Special Emphasis Panel (School-based Influenza Vaccination Programs – Feasibility)

Review and Selection of Abstracts

- 2021 The Association of American Physicians (AAP), American Society for Clinical Investigation (ASCI) and The American Physician-Scientist Association (APSA). AAP/ASCI/APSA Joint Meeting.
- 2020 International Symposium of Pneumococci and Pneumococcal Diseases 12
- 2020 36th International Conference on Pharmacoepidemiology and Therapeutic Risk Management
- 2019 35th International Conference on Pharmacoepidemiology and Therapeutic Risk Management
- 2018 34th International Conference on Pharmacoepidemiology and Therapeutic Risk Management
- 2017 33th International Conference on Pharmacoepidemiology and Therapeutic Risk Management
- 2016 32th International Conference on Pharmacoepidemiology and Therapeutic Risk Management

- 2015 31th International Conference on Pharmacoepidemiology and Therapeutic Risk Management
- 2014 30th International Conference on Pharmacoepidemiology and Therapeutic Risk Management
- 2012 International Symposium of Pneumococci and Pneumococcal Diseases 8
- 2012 28th International Conference on Pharmacoepidemiology and Therapeutic Risk Management

ADVISORY ACTIVITIES

National

- 2019 Consultant. Project: Pandemic Influenza Household transmission studies. Sponsored by the Centers for Disease Control and Prevention (CDC)
- 2017 Consultant. Project: Estimating the National Burden of Pneumococcal Disease. Sponsored by the Centers for Disease Control and Prevention (CDC)
- 2015 Invited presentation to the Advisory Committee on Immunization Practices (ACIP). Sub Committee on Pneumococcal Diseases. Presentation on Interference of in-hospital vaccination with pneumococcal polysaccharide vaccine with detection of pneumococcal infections through serotype-specific urinary antigen detection assays.
- 2011 Invited presentation to the Advisory Committee on Immunization Practices (ACIP). Sub Committee on Pneumococcal Diseases. Presentation on The National impact of routine vaccination of infants with a 7-valent pneumococcal conjugate vaccine.
- 2008 Consultant. Project: Estimating the National Burden of Pneumococcal Disease. Sponsored by the Centers for Disease Control and Prevention (CDC) through the Association for Prevention, Teaching and Research

International

- 2020 Invited Speaker and Faculty. International Symposium of Pneumococci and Pneumococcal Diseases 12 (Canada)
- 2017 Invited Speaker. Household Air Pollution Intervention Trial (HAPIN) Pneumonia Workshop. Sponsored by The Bill and Melinda Gates Foundation. Johns Hopkins Bloomberg School of Public Health. Baltimore, MD
- 2016 Invited Panelist. Biomarkers and Transcriptomics Meeting. The Bill and Melinda Gates Foundation. Seattle, WA
- 2015 Invited Speaker. Pneumonia Investigators Meeting. The Bill and Melinda Gates Foundation. Washington, DC
- 2012 Scientific Committee Member and Faculty. The Global action plan for the prevention and control of pneumonia (GAPP): Tactics and Tools for a Global Campaign Against Pneumonia. International Symposium of Pneumococci and Pneumococcal Diseases 8 (Brazil)
- 2009 Consultant. World Health Organization (WHO). H1N1 Critical Care Training Workgroup. Epidemiology of influenza section
- 2008 Faculty. First Master Class on Childhood Bacterial Respiratory Diseases. Université Libre de Bruxelles (ULB), Brussels, Belgium
- 2007 Expert Group Corresponding Member. ARI Meningitis Sepsis Expert Group. Burden of Diseases, Injuries, and Risk Factors Study (GBD Study). Chairman: Robert Black. Department of International Health - Johns Hopkins Bloomberg School of Public Health.

TEACHING ACTIVITIES

GRADUATE SCHOOL COURSES

- 2015- present Vanderbilt University School of Medicine – Office of Medical Students Research. (taught twice per year, March and September) PLAN, Instructor
- 2015- present Vanderbilt University School of Medicine – Office of Medical Students Research. (taught twice per year, March and September) PLAN, Course Director
- 2014- 2015 Vanderbilt University School of Medicine – Research 2 Didactic Component (taught throughout academic year, 1 session per month), Course Director
- 2014-present Course Director, Protocol Development I and II (1 Credit Core Course for MPH, taught every May). Master of Public Health Program. Vanderbilt University School of Medicine.
- 2014-present Course Director, Thesis Research I and II (1 Credit Core Course for MPH, taught every February). Master of Public Health Program. Vanderbilt University School of Medicine.
- 2013- 2015 Vanderbilt University School of Medicine – Research 2 Didactic Component (taught throughout academic year, 1 session per month), Instructor
- 2010-present Course Director, Epidemiology I (4 Credit Core Course for MPH, taught every September). Master of Public Health Program. Vanderbilt University School of Medicine.
- 2008-2009 Co-Director, Epidemiology I, Master of Public Health Program. Vanderbilt University School of Medicine
- 2004-2008 Teaching Assistant, Epidemiology I, Master of Public Health Program. Vanderbilt University School of Medicine
- 2002-2003 Small group instructor, Outbreak investigation. Ministry of Health, General Office of Epidemiology and the US Naval Medical Research Center Detachment, Lima, Peru

RESEARCH MENTORING

- James Antoon, MD, PhD (2019-Present). Assistant Professor – Pediatric Hospital Medicine – Department of Pediatrics, Vanderbilt University School of Medicine.
- Sarah Osmundson, MD MPH (2017-Present). Assistant Professor, Obstetrics and Gynecology. Vanderbilt University School of Medicine
- Hannah Griffith, MPH(c) (2019-2020). Undergraduate Student – Master of Public Health program, Vanderbilt University School of Medicine
- Keerti Dantuluri, MD (2018-2020). Clinical Research Fellow. Pediatric Infectious Diseases. Vanderbilt University School of Medicine.
- Sarah Homman, MD (2018-Present). Assistant Professor, Rheumatology. Vanderbilt University School of Medicine
- Arlyn Horn, Pharm D (2019-Present). Graduate Student – Master of Public Health program, Vanderbilt University School of Medicine
- Andrew Wiese, PhD, MPH (2019-Present). Assistant Professor – Health Policy, Vanderbilt University School of Medicine
- Matthew Semler, MD MSCI (2017-2018). Assistant Professor, Pulmonary and Critical Care – Medicine. Vanderbilt University School of Medicine
- Justin Liberman, MD (2017-2020). Assistant Professor, Anesthesiology. Vanderbilt University School of Medicine

Andrew Wiese, MPH (2014-2018). Student / Fellow - Epidemiology PhD Program, Vanderbilt University School of Medicine

Leigh Howard, MD MPH (2015-Present). Assistant Professor, Pediatric Infectious Diseases – Pediatrics. Vanderbilt University School of Medicine

Roger Fan, MD (2015-2016). Current position: Resident Internal Medicine. University of Texas – Southwestern.

Annabelle de St. Maurice, MD MPH (2014-2016). Current position: Assistant Professor, Pediatric Infectious Diseases – Pediatrics. University of California Los Angeles (UCLA)

Andrew G. Wu, MD MPH (2014-2015). Current position: Resident Internal Medicine-Pediatrics. University of Minnesota

Phillip Budge, MD PhD (2012-2014). Current position: Assistant Professor, Infectious Diseases – Medicine. Washington University School of Medicine

Romina Libster, MD (2011-2012). Current position: Investigator INFANT Foundation – Buenos Aires, Argentina

Derek Williams, MD MPH (2010-2015). Current position: Assistant Professor, Pediatrics. Vanderbilt University School of Medicine

Wesley Self, MD MPH (2010-2015). Current position: Associate Professor, Emergency Medicine. Vanderbilt University School of Medicine

Astride Jules, MD MPH (2010-2012). Current position: Adjunct Faculty, Preventive Medicine. Vanderbilt University School of Medicine

Christina Fiske, MD MPH (2009-2010). Current position: Assistant Professor, Infectious Diseases - Medicine. Vanderbilt University School of Medicine

Vivian Kawai, MD MPH (2009-2011). Current position: Instructor, Medicine. Vanderbilt University School of Medicine

Jillian Tsai, MD PhD (2006-2008). Current position: Radiation Oncologist. Memorial Sloan Kettering Cancer Center - New York

INVITED PRESENTATIONS AT SCIENTIFIC MEETINGS

LOCAL

- | | |
|------|---|
| 2020 | Emerging Infectious Program (EIP) – Day. “The Transmission of SARS-CoV-2 infections in households” |
| 2017 | Invited Speaker. Vanderbilt University. Department of Medicine. Mini-Research Retreat: Translational Epidemiology: From Scientific Discovery to Disease Prevention and Patient Care. ”Opioid analgesics and the risk of serious infections” |
| 2014 | Invited Speaker. Vanderbilt University. Rheumatology Grand Rounds. Department of Medicine. Division of Rheumatology. “Assessing the safety of TNF-alpha antagonist in patients with autoimmune diseases”. |
| 2013 | Invited Speaker. Vanderbilt University Department of Medicine. Dinner and Data. “Safety of biologic disease modifying anti-rheumatic drugs”. |

- 2013 Invited Speaker. Vanderbilt Health Services Research Center - Biostatistics Seminar. "Self-controlled case-series in pharmacoepidemiology"
- 2013 Invited Speaker. Vanderbilt University. Pediatric Research conference. Department of Pediatrics. Monroe Carell Jr. Children's Hospital at Vanderbilt. "Epidemiology of acute respiratory infections among young Andean Children".
- 2012 Invited Speaker. International Symposium on Respiratory Virus Pathogenesis and Immunity. Vanderbilt University. "Epidemiology of acute respiratory infections in young Andean Children".
- 2012 Invited Plenary Speaker. 11th Annual Retreat at the Frist. Vanderbilt University. "Opioid use and the risk of serious infections".
- 2011 Invited Speaker. Rheumatology Grand Rounds. Department of Medicine. Division of Rheumatology. "Medications used for rheumatoid arthritis and the risk of serious infections".
- 2007 Invited Speaker. Epidemiology Conference. Tennessee Department of Health. "The National Impact of routine vaccination with pneumococcal conjugate vaccine"
- 2005 Invited Speaker. Faculty Research conference. Department of Pediatrics. Monroe Carell Jr. Children's Hospital at Vanderbilt. "Impact of Pneumococcal Conjugate Vaccine".

NATIONAL

- 2021 Invited Speaker. American Geriatrics Society 2021 Annual Meeting. "Pneumococcal Vaccines: Direct and Indirect Effects of Importance to Seniors". Chicago, IL (Forthcoming)
- 2018 Invited Speaker. Robert Austrian Memorial Lecture. "Pneumococcal Conjugate Vaccines: Successes and Challenges". Annual Conference on Vaccinology Research. National Foundation on Infectious Diseases. Washington DC
- 2017 Invited Speaker. Pediatric Grand Rounds. University of Tennessee Health Science Center. "The changing epidemiology of pneumococcal diseases". Le Bonheur Children's Hospital, Memphis, TN
- 2016 Invited Speaker and Panelist. ASM (American Society for Microbiology) – Microbe.. Hot Topics in Vaccines. Boston, MA.
- 2016 Invited Panelist. The Bill and Melinda Gates Foundation: Biomarkers and transcriptomics Meeting. "Validating biomarkers/transcriptomics, the role of pneumonia etiology studies". Seattle, WA.
- 2015 Invited Speaker. The Bill and Melinda Gates Foundation: Pneumonia Investigators Meeting. "Methodology of the Etiology of Pneumonia in the Community (EPIC) study"; and "Detection of respiratory pathogens in asymptomatic subjects: implications for pneumonia etiology assessments". Washington DC.
- 2011 Invited Speaker. 10th Research Conference on Recent Advances in Otitis Media. "Effectiveness of pneumococcal conjugate vaccines in the prevention of otitis media". New Orleans, LA.
- 2010 Invited Speaker. AHRQ Annual Conference. Session: HCUP: Celebrating 20 Years of Powerful Data. Agency for Healthcare Research and Quality (AHRQ). "Use of Nationwide Inpatient Sample for the evaluation of vaccination programs: The case of the pneumococcal conjugate vaccine". Washington, DC

- 2007 Selected presentation for the Presidential Plenary - American Academy of Pediatrics. The Pediatric Academic Societies' Annual Meeting (PAS). "Decline in pneumonia admissions after routine childhood immunization with pneumococcal conjugate vaccine in the USA". Toronto, Canada.
- 2007 Invited Speaker. Respiratory Diseases Epidemiology Section meeting, National Center for Immunizations and Respiratory Diseases. Centers for Disease Control and Prevention (CDC). "The national impact of routine vaccination with pneumococcal conjugate vaccines". Atlanta, GA.

INTERNATIONAL

- 2021 Invited Plenary Speaker. International Symposium of Pneumococci and Pneumococcal Diseases 12. "Emerging populations at risk for pneumococcal diseases". Toronto, Canada. (Forthcoming)
- 2018 Invited Speaker. I-MOVE+: Integrated monitoring of vaccines in Europe & SpIDnet: Assessing the impact of vaccination with conjugate vaccines on the epidemiology of invasive pneumococcal disease in Europe. Malaga, Spain
- 2018 Invited Speaker. Fondation Merieux. Vaccinology 2018 : XI International Symposium for Latin American experts: Adult immunization strategies and challenges. Panama City - Panama
- 2017 Invited Speaker. National Congress of Medical Students. "Pharmacoepidemiology, and the study of medications safety"; "Uncertainties on the etiology of community-acquired pneumonia"; "The experience of a research protocol development course in a US School of Medicine". Ica – Peru.
- 2017 Invited Speaker. Household Air Pollution Intervention Trial (HAPIN) Pneumonia Workshop. Sponsored by The Bill and Melinda Gates Foundation. "Household-weekly surveillance for Acute Respiratory Illnesses in Rural Communities". Johns Hopkins Bloomberg School of Public Health. Baltimore, MD.
- 2015 Invited Speaker. 2015 Asia Pneumococcal Disease Conference (PDC). "The continuous population-based impact of vaccination of USA infants with pneumococcal conjugate vaccines". Fukuoka, Japan
- 2015 Invited Speaker. National Institute of Children's Health. I Jornada Nacional de Investigacion Pediatrica 2015. "The Epidemiology of Acute Respiratory Infections among young Andean children". Lima – Peru.
- 2015 Invited Speaker. Pneumonia Investigators Meeting. The Bill and Melinda Gates Foundation. "Etiology ascertainment in the Etiology of Pneumonia in the Community (EPIC) Study". Washington, DC.
- 2014 Invited Speaker. 5th International Workshop on Simulation Models of Infectious Diseases. "A household-based study of contact networks in the highlands of Peru relevant for the spread of infectious diseases". Hasselt University. Belgium.
- 2011 Invited Speaker. 11th Simpósio Brasileiro de Vacinas (11th Brazilian Symposium of Vaccines). "The burden of pneumococcal diseases in the era of pneumococcal conjugate vaccines", and "The interaction between influenza and Streptococcus pneumoniae". Aracaju, Brazil.
- 2011 Invited Speaker. International Symposium: Pharmacoepidemiology: spanning the spectrum from research to policy. Queen's University. "Opioid use and the risk of serious infections among patients with Rheumatoid Arthritis". Belfast. Northern Ireland, United Kingdom.

- 2010 Invited Speaker. XVI Congresso Brasileiro de Infectologia Pediátrica. “The National Impact of vaccination with PCV7 on pneumonia hospitalizations”. Florianopolis, Brazil.
- 2008 Invited Speaker. Faculty. 1st Global “Master Class” on Childhood Bacterial Respiratory diseases. Université libre de Bruxelles. “Quantifying the population-based impact of pneumococcal conjugate vaccination programs”. Belgium.
- 2008 Invited Speaker. Symposium: Correlates of Protection and Prevention of Pneumococcal Diseases. International Symposium of Pneumococci and Pneumococcal Diseases 6. “The National Impact of routine vaccination of infants with pneumococcal conjugate vaccines on pneumonia hospitalizations”. Reykjavik, Iceland.
- 2007 Invited Speaker. 10th Annual Scientific Meeting. The Hong Kong Society of Paediatric Respiriology. “Declines in pneumonia hospitalizations after introduction of pneumococcal conjugate vaccines”. Hong Kong, China.
- 2007 Invited Speaker. Scientific meeting on pneumococcal vaccines. Lessons learned since launch. “The US experience: Impact of infant vaccination with pneumococcal conjugate vaccines”. Jakarta, Indonesia.
- 2007 Invited Speaker. 3rd Pneumococcal Disease Conference. “Pneumococcal Disease Global Perspectives with implications for Asia Pacific”. Bangkok, Thailand.
- 2007 Invited Speaker. Symposium. “Assessing the Impact of pneumococcal conjugate vaccines”. Taipei, Taiwan.
- 2005 Invited Speaker. Symposium Pneumococcal Conjugate Vaccine. 23rd Annual Meeting of the European Society for Paediatric Infectious Diseases. ESPID. “The Impact on Invasive Pneumococcal Disease in Children”. Valencia, Spain.