

CURRICULUM VITAE

EUGENE V. MILLAR, PH.D.

SUMMARY

Doctoral-level infectious disease epidemiologist with 12 years of leadership experience in academic and government clinical research organizations, specializing in the design, conduct and analysis of vaccine trials. Prior design, coordination and analysis of phase I, II and III treatment and prevention trials for *Haemophilus influenzae*, *Streptococcus pneumoniae*, Respiratory Syncytial Virus, Human Papilloma Virus, Influenza virus, and *Staphylococcus aureus*. Over a decade of experience in the design, conduct and analysis of hospital- and community-based observational studies for clinical infectious diseases, including case series, case-control, and cohort study designs. Proficiency in the conduct of human subjects research. Budget and personnel management experience in support of research protocols funded by the NIH, Gates Foundation, Thrasher Research Foundation, Armed Forces Health Surveillance Center/Global Emerging Infectious Disease Surveillance and Response System, and Military Vaccine Agency. Reviewer for medical journals, including *Clinical Infectious Diseases*, *Vaccine*, *Pediatric Infectious Disease Journal*, and *PLoS One*. Demonstrated track record of publication in peer-reviewed medical literature. Excellence in written and oral communication. Consistently recognized for the highly effective management of multi-disciplinary, multi-center investigative teams for clinical research protocols.

PERSONAL DATA

Office Address	Infectious Disease Clinical Research Program Preventive Medicine and Biometrics Department Uniformed Services University of the Health Sciences 4301 Jones Bridge Road Building 28, Room 201 Bethesda, MD 20814-5119 Direct: 301.816.8451 FAX: 301.816.8406 Email: emillar@idcrp.org
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PROFESSIONAL EXPERIENCE

Research Area Director, Skin and Soft Tissue Infections. April 2015-current. Infectious Disease Clinical Research Program (IDCRP), Department of Preventive Medicine and Biostatistics, Uniformed Services University of the Health Sciences. Research portfolio manager and coordinating Principal Investigator (PI) for a series of observational and interventional studies of skin and soft tissue infections (SSTI), particularly those attributed to methicillin-resistant *Staphylococcus aureus* (MRSA), among high-risk military populations. Development of protocol, sub-studies and operations manuals to achieve multi-disciplinary scientific objectives. Management of field- and laboratory-based personnel in time and resource allocation and decision-making regarding study procedures and protocol deviations. Preparation and submission of internal and external technical reports for monitoring project objectives and timelines.

Monitor project budget (\$2 million per year) and provide guidance to research administration team regarding allocation of funds to various project activities.

Co-investigator on a large-scale (~30,000 trainees), field-based, cluster-randomized trial to assess the effectiveness of personal hygiene-based measures for the prevention of SSTI among recruits at Fort Benning, Georgia (conducted from May 2010-January 2012). This project was funded by the Centers for Disease Control and Prevention as well as the IDCRP. Primary responsibilities included development and refinement of a statistical analysis plan and direct supervision of the data management/analysis team and PhD-level statistician to complete the primary data analysis of effectiveness. Served as the lead epidemiologist on multiple secondary objectives of the trial, including evaluation of chlorhexidine-resistance among *S. aureus* isolates, phenotypic and molecular concordance between clinical and colonizing *S. aureus* isolates, and examining putative serologic correlates of protection for *S. aureus*-associated SSTI.

Co-investigator on an observational, longitudinal study to describe the epidemiology, immunology, microbiome and risk factors for SSTI among US Army recruits (conducted from March 2012-December 2014). This project was funded by the Military Infectious Disease Research Program (MIDRP), the Uniformed Services University Program Project Grant, as well as the IDCRP. Primary responsibilities included development and refinement of a statistical analysis plan and direct supervision of a MS-level biostatistician to fulfill primary and secondary analysis objectives of the protocol. Additional responsibilities included collaboration with staff microbiologist to develop and seek external funding for laboratory-based activities to characterize key virulence determinants and genotypic variation of *S. aureus* isolates.

Co-investigator on an observational, longitudinal cohort study to describe the natural history of SSTI and the dynamics of *S. aureus* transmission and nasal acquisition among US Army recruits (initiated in June 2015). This project was funded by the Military Infectious Disease Research Program (MIDRP) and the IDCRP. Primary responsibilities to date include the development of the study protocol and submission for scientific and regulatory approval. This study will provide critical epidemiologic information for the development of future SSTI prevention trial, either through hygiene-based measures or active vaccination with candidate *S. aureus* vaccines.

Research Area Director, Acute Respiratory Infections. October 2010-April 2015. Infectious Disease Clinical Research Program (IDCRP), Department of Preventive Medicine and Biostatistics, Uniformed Services University of the Health Sciences. Research portfolio manager and coordinating Principal Investigator (PI) for a series of observational and interventional studies of Acute Respiratory Infections (ARI) among military members and beneficiaries. Development of protocol, sub-studies and operations manuals to achieve multi-disciplinary scientific objectives. Management of field-based personnel in time and resource allocation and decision-making regarding study procedures and protocol deviations. Preparation and submission of internal and external technical reports for monitoring project objectives and timelines. Monitor project budget (\$1.5 million per year) and provide guidance to research administration team regarding allocation of funds to various project activities.

Co-Principal Investigator on a multi-year, multi-disciplinary natural history study of respiratory infections to gather data on the diagnosis, etiology, epidemiology, and immunology of ARI (Acute Respiratory Infections Consortium [ARIC]). This project was funded by the NIAID, Armed Forces Health Surveillance Center Global Emerging Infections Surveillance and Response System, and the IDCRP. Responsibilities as Co-PI included protocol development, guidance on study operations, and resource/financial management and oversight of a five-hospital, multi-disciplinary clinical research network in the DoD. Direct supervision of the project's clinical research manager, as well as the programming and analysis team.

Co-investigator on a randomized controlled trial hyperimmune plasma for the treatment of severe influenza. This study was funded by the Navy Bureau of Medicine and Surgery and the IDCRP, and completed enrollment in March 2015. Primary responsibilities included the coordination of resource and personnel requirements to participate in this NIAID-sponsored, multi-center randomized controlled trial.

Co-investigator on a randomized controlled trial to evaluate the immunogenicity and acceptance of self-administration of live attenuated influenza vaccine (FluMist). This study was funded by the Military Vaccine Agency and the IDCRP. Primary responsibilities included the coordination of resource and personnel requirements to participate in this multi-center randomized controlled trial, development and execution of the statistical analysis plan, and writing and submission of the primary manuscript.

Principal Investigator of EpiCC, an observational study to describe the epidemiology and clinical characteristics of novel pathogens with pandemic potential. This protocol was developed in October 2014 in response to the West Africa outbreak of Ebola Virus Disease, but has since been modified to incorporate pandemic threats of ARI, namely avian influenza and Middle Eastern Respiratory Syndrome-Coronavirus (MERS-CoV). Data from these studies are critical for the development of novel diagnostic and treatment methods, as well as for planning of future treatment and prevention trials in military settings.

Co-Director, Clinical Research Operations. Infectious Disease Clinical Research Program, Department of Preventive Medicine and Biostatistics, Uniformed Services University of the Health Sciences (October 2012-current). Primary responsibility includes the coordination and standardization of analysis and reporting methods utilized by the programming and biostatistics personnel at IDCRP. Founded and moderated the Biostatistics Roundtable, a monthly meeting of programming and analysis personnel to present and discuss research in progress.

EDUCATION AND TRAINING

Doctor of Philosophy (2003). Johns Hopkins Bloomberg School of Public Health, International Health, Program Area: Disease Prevention and Control.

Master of Health Science (2000). Johns Hopkins School of Hygiene and Public Health, Infectious Disease Epidemiology.

Master of Science (1995). University of Wisconsin-Madison, Bacteriology.

Bachelor of Science (1994). Marquette University, Biochemistry and Molecular Biology.

PRIOR PROFESSIONAL EXPERIENCE

Position: Associate, Department of International Health
Institution: Center for American Indian Health, Johns Hopkins Bloomberg School of Public Health
Dates: June 2009 to current

- Co-investigator on a longitudinal, observational study of impact of conjugate pneumococcal vaccine on pneumococcal colonization among American Indian families. Submission and tracking of regulatory documentation to granting agencies and institutional review boards. Data analysis and preparation and submission of internal and external technical reports for monitoring project objectives and timelines. Preparation of manuscripts for publication. June 2009-current.

Position: Assistant Scientist, Department of International Health
Institution: Center for American Indian Health, Johns Hopkins Bloomberg School of Public Health
Dates: November 2003 to June 2009

- Co-investigator on an active, laboratory-based surveillance program for bacterial invasive disease among American Indian communities. Analysis and interpretation of surveillance data for internal reports and published manuscripts. Participation in the design of study protocol, research plan, standard operating procedures, and data collection forms. Design and development of a web-

based data management system for electronic data capture, management and reporting. Design and development of a barcode labeling system for identification, storage, shipping and tracking of study specimens to collaborating laboratories and facilities. November 2003-June 2009.

- Project lead on Medical Information Systems Development. Led a team of software engineers, programmers and project managers in the design and implementation of a web-based clinical research management system for use in randomized clinical trials and epidemiologic studies. Development of a user requirements document articulating use cases and functional specifications. Routine testing and evaluation of pilot systems, coordination with software engineers and programmers in systems optimization. Training of Center personnel on functions and applications of data management system. March 2006-June 2009.
- Project leader for a longitudinal, observational study of impact of conjugate pneumococcal vaccine on pneumococcal colonization among American Indian families. Design of study protocol, research plan, standard operating procedures, and data collection forms. Design, implementation and maintenance of a barcode labeling system for identification, storage, shipping and tracking of human biological specimens (nasal, serum and saliva) to collaborating laboratories and facilities, including the Centers for Disease Control and Prevention Pneumococcal Laboratory, the Institute of Child Health (London), and the Finnish Public Health Institute (Helsinki). Submission and tracking of regulatory documentation to granting agencies and institutional review boards. Management of field-based personnel in time and resource allocation and decision-making regarding study procedures and protocol deviations. Preparation and submission of internal and external technical reports for monitoring project objectives and timelines. Monitor project budget (\$2.5 million) and provide guidance to financial team members regarding allocation of funds to project activities. January 2006-June 2009.
- Co-investigator of a phase III clinical trial of RSV monoclonal antibody for the prevention of RSV hospitalization among infants. Provide project support with statistical analysis and generation of internal reports for project objectives and timelines. Design, implementation and maintenance of a web-based software application for entry, transmission, storage and dissemination of study data among study personnel. Develop and maintain an electronic library of documents for policies and study procedures. Train personnel on utilization of data system for enhancement of work flow processes. Management and technical assistance of field-based personnel in access to and utilization of clinical trials data management system. January 2004-June 2009.
- Co-investigator of a phase III clinical trial of 7-valent pneumococcal conjugate vaccine for the prevention of invasive pneumococcal disease among infants and children. Data coordinator for a sub-study of the impact of conjugate vaccine on pneumococcal colonization among vaccinated children and their household members. Communication with study personnel at the Centers for Disease Control and Prevention Pneumococcal Laboratory regarding entry, management and transmission of study data. Preparation of monthly progress reports and interim analyses. Performed statistical analysis and prepared manuscripts for publication in peer-reviewed medical journals. November 2003-June 2009.
- Technical advisor to the Vaccine Assessment and Monitoring Team at the World Health Organization in Geneva, Switzerland. Development of mathematical models to estimate the global burden of disease due to *Streptococcus pneumoniae*. Conducted literature review, developed data abstraction forms and software applications for data entry, and conducted statistical analyses of project data to generate disease burden estimates. October 2004-September 2005.

Position: Graduate Research Assistant
Institution: Center for Immunization Research, Johns Hopkins Bloomberg School of Public Health
Dates: September 1999 to December 2002

- Development and management of a clinical trials electronic data management system for a phase I clinical trial of Human Papilloma Virus (HPV) vaccine
 - Assisted in the development of a Clinical Vaccine Trials distance-education course for the Center for Immunization Research. Lecture topics included protocol development, recruitment strategies, informed consent, protection of human subjects, budget development, product management, good clinical practices (GCP), ethical issues of clinical trials, and overall trial conduct.
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Position: Project Intern

Institution: National Immunization Program, Centers for Disease Control and Prevention

Dates: May 1999 to September 1999

- Analysis and reporting of the epidemiology of hospitalization due to *Bordetella pertussis* infection among children. Participation in a multi-state investigation of intussusception among infants who received a recently licensed rotavirus vaccine.

HONORS AND AWARDS

Secretary's Award for Distinguished Service, United States Department of Health and Human Services, 2000. Awarded for participation in a multi-state investigation of intussusception among infants who received a recently licensed rotavirus vaccine

Delta Omega Society – Honorary Society in Public Health, 2004
Alpha Chapter, Johns Hopkins Bloomberg School of Public Health

TEACHING

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Instructor, Center for American Indian Health Summer Institute, Department of International Health, Johns Hopkins Bloomberg School of Public Health

Classes: Research Methods Training, Data Management (Summer 2004, 2006, 2008)

Teaching Assistant, Department of International Health, Johns Hopkins Bloomberg School of Public Health

Class: Infectious Diseases and Child Survival (Spring 2003)

Teaching Assistant, Department of International Health, Johns Hopkins Bloomberg School of Public Health

Class: Clinical Vaccine Trials (Fall 1999, 2000)

ACADEMIC SERVICE

Academic Advisor

September 2008-June 2009

Ms. Dominique Karas, Master of Health Science degree candidate

Department of International Health

Johns Hopkins Bloomberg School of Public Health

Student Representative

September 2000 – December 2003

Committee for Standards in Distance Education

Johns Hopkins Bloomberg School of Public Health

Student Representative

September 2001

Department of International Health Curriculum Review Committee

Johns Hopkins Bloomberg School of Public Health

EDITORIAL ACTIVITIES

Reviewer *Clinical Infectious Disease, International Journal of Epidemiology, Pediatric Infectious Diseases Journal, Vaccine*

PUBLICATIONS (52)

Coles C, **Millar EV**, Burgess T, Ottolini MG. The Acute Respiratory Infection Consortium: A Multi-Site, Multi-Disciplinary Clinical Research Network in the Department of Defense. *Mil Med.* 2019 Nov 1;184(Supplement_2):44-50. doi: 10.1093/milmed/usz174.

Millar EV, Schlett CD, Law NN, Whitman TJ, Ellis MW, Tribble DR, Bennett JW. Opportunities and Obstacles in the Prevention of Skin and Soft-Tissue Infections Among Military Personnel. *Mil Med.* 2019 Nov 1;184(Supplement_2):35-43. doi: 10.1093/milmed/usz105.

Millar EV, Rice GK, Schlett CD, Ellassal EM, Cer RZ, Frey KG, Hamilton T, Ellis MW, Tribble DR, Bishop-Lilly KA, Bennett JW. Genomic epidemiology of MRSA infection and colonization isolates among military trainees with skin and soft tissue infection. *Infection.* 2019 Feb 22.

Merrell DS, McAvoy TJ, King MC, Sittig M, **Millar EV**, Nieroda C, Metcalf JL, Blum FC, Testerman TL, Sardi A. Pre- and post-operative antibiotics in conjunction with cytoreductive surgery and heated intraperitoneal chemotherapy (HIPEC) should be considered for pseudomyxoma peritonei (PMP) treatment. *Eur J Surg Oncol.* 2019 Jan 30.

LaBreck PT, Rice GK, Paskey AC, Ellassal EM, Cer RZ, Law NN, Schlett CD, Bennett JW, **Millar EV**, Ellis MW, Hamilton T, Bishop-Lilly KA, Merrell DS. Conjugative Transfer of a Novel Staphylococcal Plasmid Encoding the Biocide Resistance Gene, *qacA*. *Front Microbiol.* 2018 Nov 19;9:2664.

Millar EV, St Clair KJ, Schlett CD, Bennett JW, Virgilio GR, Kronmann KC, Lalani T. Brief report: Pre- and post-deployment prevalence of *Staphylococcus aureus* colonization among U.S. Navy submariners. *MSMR.* 2018 Aug;25(8):5-7.

Powers JH 3rd, Bacci ED, Leidy NK, Poon JL, Stringer S, Memoli MJ, Han A, Fairchok MP, Coles C, Owens J, Chen WJ, Arnold JC, Danaher PJ, Lalani T, Burgess TH, **Millar EV**, Ridore M, Hernández A, Rodríguez-Zulueta P, Ortega-Gallegos H, Galindo-Fraga A, Ruiz-Palacios GM, Pett S, Fischer W, Gillor D, Moreno Macias L, DuVal A, Rothman R, Dugas A, Guerrero ML. Performance of the inFLUenza Patient-Reported Outcome (FLU-PRO) diary in patients with influenza-like illness (ILI). *PLoS One.* 2018 Mar 22;13(3):e0194180.

Bouvier M, Chen WJ, Arnold JC, Fairchok MP, Danaher PJ, Lalani T, Malone L, Mor D, Ridoré M, Burgess TH, **Millar EV**. Species-specific clinical characteristics of human coronavirus infection among otherwise healthy adolescents and adults. *Influenza and Other Respiratory Viruses.* 2018 Mar;12(2):299-303.

Powers JH 3rd, Bacci ED, Guerrero ML, Leidy NK, Stringer S, Kim K, Memoli MJ, Han A, Fairchok MP, Chen WJ, Arnold JC, Danaher PJ, Lalani T, Ridoré M, Burgess TH, **Millar EV**, Hernández A, Rodríguez-Zulueta P, Smolskis MC, Ortega-Gallegos H, Pett S, Fischer W, Gillor D, Macias LM, DuVal A, Rothman R, Dugas A, Ruiz-Palacios GM. Reliability, Validity, and Responsiveness of InFLUenza Patient-Reported Outcome (FLU-PRO®) Scores in Influenza-Positive Patients. *Value in Health.* 2018 Feb;21(2):210-218.

Stahlman S, Williams VF, Oh GT, **Millar EV**, Bennett JW. Skin and soft tissue infections, active component, U.S. Armed Forces, 2013-2016. *Medical Surveillance Monthly Report.* 2017 Jul;24(7):2-11.

Millar EV, Rice GK, Elassal EM, Schlett CD, Bennett JW, Redden CL, Mor D, Law NN, Tribble DR, Hamilton T, Ellis MW, Bishop-Lilly KA. Genomic Characterization of USA300 MRSA to Evaluate Intra-class Transmission and Recurrence of SSTI among High Risk Military Trainees. Clinical Infectious Diseases. 2017 Aug 1;65(3):461-8.

Fairchok MP, Schofield C, Chen WJ, Pugh M, Bigg H, Arnold JC, **Millar EV**. Inverse Correlation between 25-OH Vitamin D Levels and Severity of Viral Respiratory Illness in Infants. Journal of Infectious Diseases and Epidemiology. 2017 April 17; 3:30.

Johnson RC, Ellis MW, Schlett CD, **Millar EV**, LaBreck PT, Mor D, Elassal EM, Lanier JB, Redden CL, Cui T, Teneza-Mora N, Bishop DK, Hall ER, Bishop-Lilly KA, Merrell DS. Bacterial Etiology and Risk Factors Associated with Cellulitis and Purulent Skin Abscesses in Military Trainees. PLoS One. 2016 Oct 25;11(10):e0165491.

Singh J, Johnson RC, Schlett CD, Elassal EM, Crawford KB, Mor D, Lanier JB, Law NN, Walters WA, Teneza-Mora N, Bennett JW, Hall ER, **Millar EV**, Ellis MW, Merrell DS. Multi-Body-Site Microbiome and Culture Profiling of Military Trainees Suffering from Skin and Soft Tissue Infections at Fort Benning, Georgia. mSphere. 2016 Oct 5;1(5).

Millar EV, Schlett CD, Law NN, Chen WJ, D'Onofrio MJ, Bennett JW, Tribble DR, Ellis MW. Reduction in Acute Respiratory Infection Among Military Trainees: Secondary Effects of a Hygiene-Based Cluster-Randomized Trial for Skin and Soft-Tissue Infection Prevention. Infection Control and Hospital Epidemiology. 2016 Jul 8:1-3.

Koren MA, Arnold JC, Fairchok MP, Lalani TN, Danaher PJ, Schofield CM, Rajnik M, Hansen EA, Mor D, Chen WJ, Ridoré M, Burgess TH, **Millar EV**. Type-specific Clinical Characteristics of Adenovirus-associated Influenza-like Illness at Five US Military Medical Centers, 2009-2014. Influenza and Other Respiratory Viruses. 2016 Apr 11. doi: 10.1111/irv.12392. [Epub ahead of print] PubMed PMID: 27062998.

Powers JH, Guerrero ML, Leidy NK, Fairchok MP, Rosenberg A, Hernández A, Stringer S, Schofield C, Rodríguez-Zulueta P, Kim K, Danaher PJ, Ortega-Gallegos H, Bacci ED, Stepp N, Galindo-Fraga A, Clair KS, Rajnik M, McDonough EA, Ridoré M, Arnold JC, **Millar EV**, Ruiz-Palacios GM. Development of the Flu-PRO: a patient-reported outcome (PRO) instrument to evaluate symptoms of influenza. BMC Infectious Diseases. 2016 Jan 5;16(1):1.

Millar EV, Chen WJ, Schlett CD, Cui T, Crawford KB, Lanier JB, Tribble DR, Ellis MW. Frequent use of chlorhexidine-based body wash associated with a reduction in methicillin-resistant *Staphylococcus aureus* nasal colonization among military trainees. Antimicrobial Agents and Chemotherapy. 2015 Feb;59(2):943-9.

Deiss RG, Arnold JC, Chen WJ, Echols S, Fairchok MP, Schofield C, Danaher PJ, McDonough E, Ridoré M, Mor D, Burgess TH, **Millar EV**. Vaccine-associated reduction in symptom severity among patients with influenza A/H3N2 disease. Vaccine. 2015 Dec 16;33(51):7160-7.

O'Brien KL, Chandran A, Weatherholtz R, Jafri HS, Griffin MP, Bellamy T, **Millar EV**, Jensen KM, Harris BS, Reid R, Moulton LH, Losonsky GA, Karron RA, Santosham M; Respiratory Syncytial Virus (RSV) Prevention study group. Efficacy of motavizumab for the prevention of respiratory syncytial virus disease in healthy Native American infants: a phase 3 randomised double-blind placebo-controlled trial. Lancet Infectious Diseases. 2015 Dec;15(12):1398-408.

Burgess TH, Murray CK, Bavaro MF, Landrum ML, O'Bryan TA, Rosas JG, Cammarata SM, Martin NJ, Ewing D, Raviprakash K, Mor D, Zell ER, Wilkins KJ, **Millar EV**. Self-administration of intranasal influenza vaccine: Immunogenicity and volunteer acceptance. Vaccine. 2015 Jun 24. pii: S0264-410X(15)00862-2. doi: 10.1016/j.vaccine.2015.06.061.

Fairchok MP, Chen WJ, Arnold JC, Schofield C, Danaher PJ, McDonough EA, Ottolini M, Mor D, Ridoré M, Burgess TH, **Millar EV**. Neuraminidase inhibitor therapy in a military population. Journal of Clinical Virology. 2015 Jun;67:17-22.

Chen WJ, Arnold JC, Fairchok MP, Danaher PJ, McDonough EA, Blair PJ, Garcia J, Halsey ES, Schofield C, Ottolini M, Mor D, Ridoré M, Burgess TH, **Millar EV**. Epidemiologic, clinical, and virologic characteristics of human rhinovirus infection among otherwise healthy children and adults: Rhinovirus among adults and children. Journal of Clinical Virology. 2015 Mar;64:74-82.

D'Onofrio MJ, Schlett CD, **Millar EV**, Cui T, Lanier JB, Law NN, Tribble DR, Ellis MW. Reduction in Acute Gastroenteritis among Military Trainees: Secondary Effects of a Hygiene-based Cluster-Randomized Trial for Skin and Soft Tissue Infection Prevention. Infection Control and Hospital Epidemiology. 2015 Mar;36(3):358-360.

Ellis MW, Schlett CD, **Millar EV**, Crawford KB, Cui T, Lanier JB, Tribble DR. Prevalence of nasal colonization and strain concordance in patients with community-associated *Staphylococcus aureus* skin and soft-tissue infections. Infection Control and Hospital Epidemiology. 2014 Oct; 35(10):1251-6.

Lloyd BA, Weintrob AC, Rodriguez C, Dunne J, Weisbrod AB, Hinkle M, Warkentien T, Murray CK, Oh J, **Millar EV**, Shah J, Shaikh F, Gregg S, Lloyd G, Stevens J, Carson ML, Aggarwal D, Tribble DR and the IDCRP TIDOS Group. Effect of Early Screening for Invasive Fungal Infections in U.S. Service Members with Explosive Blast Injuries. Surgical Infections. Oct 2014; 15(5):619-626.

Schlett CD, **Millar EV**, Crawford KB, Cui T, Lanier JB, Tribble DR, Ellis MW. "Prevalence of Chlorhexidine-resistant Methicillin-resistant *Staphylococcus aureus* Following Prolonged Exposure". Antimicrobial Agents and Chemotherapy. 2014 Aug;58(8):4404-4410.

Ellis MW, Schlett CD, **Millar EV**, Wilkins KJ, Crawford KB, Morrison-Rodriguez SM, Pacha LA, Gorwitz RJ, Lanier JB, Tribble DR. "Hygiene Strategies to Prevent Methicillin-Resistant *Staphylococcus aureus* Skin and Soft Tissue Infections: A Cluster-Randomized Controlled Trial Among High-Risk Military Trainees". Clinical Infectious Diseases. 2014 Jun;58(11):1540-8.

Lloyd BA, Weintrob AC, Rodriguez C, Dunne J, Weisbrod AB, Hinkle M, Warkentien T, Murray CK, Oh J, **Millar EV**, Shah J, Shaikh F, Gregg S, Lloyd G, Stevens J, Carson ML, Aggarwal D, Tribble DR and the IDCRP TIDOS Group. "Effect of Early Screening for Invasive Fungal Infections in U.S. Service Members with Explosive Blast Injuries". Surgical Infections. Epub ahead of print May 13, 2014.

Lloyd BA, Weintrob AC, Hinkle M, Fortuna G, Murray CK, Bradley W, **Millar EV**, Shaikh F, Vanderzant K, Gregg S, Lloyd G, Stevens J, Carson ML, Aggarwal D, and Tribble DR. "Adherence to Published Antimicrobial Prophylaxis Guidelines for Wounded Service Members in the Ongoing Conflicts in Southwest Asia". Military Medicine. 2014; 179(3):324-328.

Mosser JF, Grant LR, **Millar EV**, Weatherholtz RC, Jackson DM, Beall B, Craig MJ, Reid R, Santosham M, O'Brien KL. "Nasopharyngeal carriage and transmission of *Streptococcus pneumoniae* in American Indian households after a decade of pneumococcal conjugate vaccine use". PLoS One. 2014 Jan 17;9(1):e79578.

Morrison SM, Blaesing CR, **Millar EV**, Chukwuma U, Schlett CD, Wilkins KJ, Tribble DR, Ellis MW. "Evaluation of Methicillin-Resistant *Staphylococcus aureus* Skin and Soft-Tissue Infection Prevention Strategies at a Military Training Center". Infection Control and Hospital Epidemiology 2013 Aug;34(8):841-3.

Defang GN, Martin NJ, Burgess TH, **Millar EV**, Pecenka LA, Danko JR, Arnold JC, Kochel TJ, Luke TC. "Comparative analysis of hemagglutination inhibition titers generated using temporally matched serum and plasma samples". PLoS One. 2012;7(12):e48229.

Schlett CD, Grandits GA, **Millar EV**, Whitman TJ, Tribble DR. "Marine recruit adherence in a skin and soft tissue infection prevention trial: implications for recruit research and public health application". Military Medicine 2012 Nov;177(11):1335-42.

Warkentien T, Rodriguez C, Lloyd B, Wells J, Weintrob A, Dunne JR, Ganesan A, Li P, Bradley W, Gaskins LJ, Seillier-Moiseiwitsch F, Murray CK, **Millar EV**, Keenan B, Paolino K, Fleming M, Hospenthal DR, Wortmann GW, Landrum ML, Kortepeter MG, Tribble DR; Infectious Disease Clinical Research Program Trauma Infectious Disease Outcomes Study Group. "Invasive mold infections following combat-related injuries". Clinical Infectious Diseases 2012 Dec;55(11):1441-9.

Whitman TJ, Schlett CD, Grandits GA, **Millar EV**, Mende K, Hospenthal DR, Murray PR, Tribble DR. "Chlorhexidine gluconate reduces transmission of methicillin-resistant Staphylococcus aureus USA300 among Marine recruits". Infection Control and Hospital Epidemiology 2012 Aug;33(8):809-16.

Scott JR, Hinds J, Gould KA, **Millar EV**, Reid R, Santosham M, O'Brien KL, Hanage WP. "Nontypeable pneumococcal isolates among Navajo and white mountain Apache communities: are these really a cause of invasive disease?" Journal of Infectious Diseases 2012 Jul 1;206(1):73-80.

Scott JR, **Millar EV**, Lipsitch M, Moulton LH, Weatherholtz R, Perilla MJ, Jackson DM, Beall B, Craig MJ, Reid R, Santosham M, O'Brien KL. "Impact of more than a decade of pneumococcal conjugate vaccine use on carriage and invasive potential in Native American communities". Journal of Infectious Diseases 2012 Jan 15;205(2):280-8.

Scott JR, Hanage WP, Lipsitch M, **Millar EV**, Moulton LH, Hinds J, Reid R, Santosham M, O'Brien KL. "Pneumococcal sequence type replacement among American Indian children: a comparison of pre- and routine-PCV7 eras". Vaccine 2012 Mar 16;30(13):2376-81.

Tribble DR, Lloyd B, Weintrob A, Ganesan A, Murray CK, Li P, Bradley W, Fraser S, Warkentien T, Gaskins LJ, Seillier-Moiseiwitsch F, **Millar EV**, Hospenthal DR; IDCRP TIDOS group. "Antimicrobial prescribing practices following publication of guidelines for the prevention of infections associated with combat-related injuries". Journal of Trauma 2011 Aug;71(2 Suppl 2):S299-306.

Tribble DR, Conger NG, Fraser S, Gleeson TD, Wilkins K, Antonille T, Weintrob A, Ganesan A, Gaskins LJ, Li P, Grandits G, Landrum ML, Hospenthal DR, **Millar EV**, Blackbourne LH, Dunne JR, Craft D, Mende K, Wortmann GW, Herlihy R, McDonald J, Murray CK. "Infection-associated clinical outcomes in hospitalized medical evacuees after traumatic injury: trauma infectious disease outcome study". Journal of Trauma 2011 Jul;71(1 Suppl):S33-42.

Crum-Cianflone NF, Iverson E, Defang G, Blair PJ, Eberly LE, Maguire J, Ganesan A, Faix D, Duplessis C, Lalani T, Whitman T, Brandt C, Macalino G, **Millar EV**, Burgess T. "Durability of antibody responses after receipt of the monovalent 2009 pandemic influenza A (H1N1) vaccine among HIV-infected and HIV-uninfected adults". Vaccine 2011 Apr 12;29(17):3183-91.

Millar EV, Pimenta FC, Roundtree A, Jackson D, Carvalho Mda G, Perilla MJ, Reid R, Santosham M, Whitney CG, Beall BW, O'Brien KL. "Pre- and post-conjugate vaccine epidemiology of pneumococcal serotype 6C invasive disease and carriage within Navajo and White Mountain Apache communities". Clinical Infectious Diseases 2010 Dec 1;51(11):1258-65.

Weatherholtz R, **Millar EV**, Moulton LH, Reid R, Rudolph K, Santosham M, O'Brien KL. "Invasive pneumococcal disease a decade after pneumococcal conjugate vaccine use in an American Indian population at high risk for disease". Clinical Infectious Diseases 2010 May 1;50(9):1238-46.

da Gloria Carvalho M, Pimenta FC, Jackson D, Roundtree A, Ahmad Y, **Millar EV**, O'Brien KL, Whitney CG, Cohen AL, Beall BW. "Revisiting pneumococcal carriage by use of broth enrichment and PCR techniques for enhanced detection of carriage and serotypes". Journal of Clinical Microbiology 2010 May;48(5):1611-8.

Millar EV, Bronsdon MA, Zell ER, Reid R, Santosham M, O'Brien KL. "Nasopharyngeal Carriage of *Streptococcus pneumoniae* in Navajo and White Mountain Apache Children Before the Introduction of Pneumococcal Conjugate Vaccine". The Pediatric Infectious Disease Journal. 2009 Aug; 28(8):711-716.

Millar EV, Watt JP, Bronsdon MA, Dallas J, Reid R, Santosham M, O'Brien KL. "Indirect effect of 7-valent pneumococcal conjugate vaccine (Pnc7-CRM) on pneumococcal colonization among unvaccinated household members" Clinical Infectious Diseases. 2008 Oct 15;47(8):989-996.

O'Brien KL, **Millar EV**, Zell ER, Bronsdon M, Weatherholtz R, Reid R, Becenti J, Kvamme S, Whitney CG, Santosham M. "Effect of pneumococcal conjugate vaccine on nasopharyngeal colonization among immunized and unimmunized children in a community-randomized trial." Journal of Infectious Diseases 2007 Oct 15;196(8):1211-20.

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PRESENTATIONS

Geographic Variability in the Etiology of Influenza-like Illness (ILI): The Acute Respiratory Infection Consortium, a multi-state longitudinal study of ILI among Department of Defense (DoD) beneficiaries [Oral Presentation]. John Arnold MD, Jason Maguire MD MPH, Tahaniyat Lalani MBBS MHS, Deena Sutter MD, Mary Fairchok MD, Michael Rajnik MD, Amy Weintrob MD, Michael Landrum MD, Sara Echols RN, Erin McDonough BS, Patrick Blair PhD, Gabriel Defang PhD, Adrian Vancea PhD, Francoise Seillier-Moiseiwitsch PhD, Michelande Ridoré BA, Martin Ottolini MD, Timothy Burgess MD MPH, Mark Kortepeter MD MPH and **Eugene Millar PhD**. International Conference on Emerging Infectious Diseases, Atlanta, GA, 2012.

Clinical Characteristics of Pandemic H1N1 Infection Do Not Differ from Seasonal H3N2 Infection in a Military Beneficiary Population [Oral Presentation]. John Arnold MD, Mary Fairchok MD, Jason Maguire MD MPH, Tahaniyat Lalani MBBS MHS, Patrick Danaher MD, Michael Rajnik MD, Amy Weintrob MD,

Michael Landrum MD, Erin McDonough BS, Patrick Blair PhD, Adrian Vancea PhD, Michelande Ridoré BA, Martin Ottolini MD, Timothy Burgess MD MPH and **Eugene Millar PhD**. ID Week, San Diego, CA, 2012.

Severe Influenza-like Illness Due to Human Rhinovirus Infection in a Military Beneficiary Population [Poster Presentation]. John Arnold MD, Mary Fairchok MD, Jason Maguire MD MPH, Patrick Danaher MD, Michael Rajnik MD, Erin McDonough BS, Patrick Blair PhD, Deepika Mor MS, Michelande Ridoré BA, Martin Ottolini MD, Timothy Burgess MD MPH and **Eugene Millar PhD**. ID Week, San Diego, CA, 2012.

“Near elimination of vaccine-type pneumococcal carriage by pneumococcal conjugate vaccine in a community at high risk of carriage and disease”. Sixth International Symposium on Pneumococci and Pneumococcal Diseases (ISPPD-6), Reykjavik, Iceland, 2008

“Preventing Pneumococcal Spread with Pneumococcal Conjugate Vaccine: The Long-Term NP Study”. 2007 Annual Native American Research Centers for Health (NARCH) Meeting at the National Institutes of Health, Bethesda, Maryland, 2007.

“Anti-capsular serum antibody concentration and protection against pneumococcal colonization induced by 7-valent conjugate pneumococcal vaccine”. Fifth International Symposium on Pneumococci and Pneumococcal Diseases (ISPPD-5), Alice Springs, Australia, 2006

“Effect of conjugate pneumococcal vaccine on invasive pneumococcal disease (IPD) among Navajo”. Fourth International Symposium on Pneumococci and Pneumococcal Diseases (ISPPD-4), Helsinki, Finland, 2004

“Relative Invasiveness of pneumococcal (Pnc) serotypes among American Indian children”. Fourth International Symposium on Pneumococci and Pneumococcal Diseases (ISPPD-4), Helsinki, Finland, 2004

“Duration of Protection against Pneumococcal Nasopharyngeal Carriage by 7-Valent Pneumococcal Conjugate Vaccine (PnCRM7) in Navajo and Apache Children”, Third International Symposium on Pneumococci and Pneumococcal Diseases (ISPPD-3), Anchorage, Alaska, 2002