

E. Kathryn Miller, M.D., MPH

PUBLICATIONS:

A. Original Investigations - Manuscripts

1. Livy, D.J., **Miller, E.K.**, Maier, S.E., West, J.R. Fetal alcohol exposure and temporal vulnerability: effects of binge-like alcohol exposure on the developing rat hippocampus. *Neurotoxicology and Teratology*. 2003; 25: 447-458.
2. **Miller, E.K.**, Poehling, K., Zhu, Y., Griffin, M., Hall, C.B., Erdman, D., Anderson, L., Hartert, T., Edwards, K.M. Rhinovirus hospitalizations in young children. *Journal of Infectious Diseases*. 2007 Mar; 195(6): 773-81.
3. **Miller, E.K.**, Griffin, M., Edwards, K.M., Grijalva, C., Zhu, Y., Weinberg, G.A., Szilagyi, P., Hall, C.B., Staat, M., Bernstein, D., Iwane, M.K., Bridges, C., Herrerra, G., Seither, R., Erdman, D., Poehling, K., and the New Vaccine Surveillance Network. Rates of Influenza medical visits among children with and without high-risk medical conditions. *Pediatrics*. 2008 Jan; 121:1-8.
4. **Miller E.K.**, Edwards K.M., Weinberg G.A., Iwane M.K., Griffin M.R., Hall C.B., Zhu Y., Szilagyi P.G., Morin L., Heil L.H., Lu X., Williams J.V. for the New Vaccine Surveillance Network A novel group of rhinoviruses is associated with asthma hospitalizations. *Journal of Allergy and Clinical Immunology*. 2009 Jan; 123(1):98-104.
5. **Miller E. K.**, Khuri-Bulos N., Williams J.V., Shehabi A.A., Faouri S., Al Jundi I., Chen Q., Heil L., Mohamed Y., Morin L.L., Ali A., Halasa N.B. Human rhinovirus C associated with wheezing in hospitalised children in the Middle East. *Journal of Clinical Virology*. 2009 Sep;46(1):85-9.
6. **Miller E.K.**, Williams J.V., Gebretsadik T., Carroll K.N., Dupont W.D., Mohamed Y.A., Morin L.L., Heil L., Minton P.A., Woodward K., Liu Z., Hartert T. V. Host and viral factors associated with severity of human rhinovirus-associated infant respiratory tract illness. *Journal of Allergy and Clinical Immunology*. 2011 Apr;127(4):883-91.
7. **Miller E.K.**, Dumitrescu L., Cupp C., Dorris S.L., Taylor S., Sparks, R., Fawkes D., Frontiero V., Rezendes A.M., Marchant C., Edwards K.M., Crawford D.C. Atopy history and the genomics of wheezing after Influenza vaccination in children 6-59 months of age. *Vaccine*. 2011 Apr 18;29(18):3431-7.
8. Ali S.A., Gern J.E., Hartert T.V., Edwards K.M., Griffin M.R., **Miller E.K.**, Gebretsadik T., Pappas T., Lee W.M., Williams J.V. Real-World Comparison of Two Molecular Methods for Detection of Respiratory Viruses. *Virology Journal*. 2011 Jun 29;8(1):332.
9. Iwane MK, Prill MM, Lu X, **Miller EK**, Edwards KM, Hall CB, Griffin MR, Staat MA, Anderson LJ, Williams JV, Weinberg GA, Ali A, Szilagyi PG, Zhu Y, Erdman DD. Human **rhinovirus** species associated with hospitalizations for acute respiratory illness in young US children. *Journal of Infectious Diseases*. 2011 Dec;204(11):1702-10.
10. **Miller, E.K.***, Bugna, J.*, Scalzo, P.M.*, Shepherd, B.E., Libster, R., Acosta, P.L., Hijano, D., Reynoso, N., Batalle, J.P., Coviello, S., Klein, M.I., Bauer, G., Benitez, A., Kleeberger, S.R., Polack, F.P. Human rhinoviruses in severe respiratory disease in very low birth weight infants. *Pediatrics*. 2012 January; 1(129):e60-7.(*authors contributed equally)
11. **Miller E.K.***, Zea-Hernandez J.*, Wimmenauer V.*, Shepherd B.E., Hijano D., Libster R., Serra M.E., Bhat N., Patelle J.P., Mohamed Y.A., Reynaldi A., Rodriguez A., Otello M., Pisapia B, Bugna J., Bellabarba M., Kraft D., Coviello S., Ferolla F.M., Chen A., London S.J., Siberry G.K., Williams J.V., Polack F.P. A mechanistic role for type III interferon- λ 1 in asthma exacerbations mediated by human rhinoviruses. *American Journal of Respiratory and Critical Care Medicine*. 2012 March; 5(185):508-16.

12. Carroll K.N., Gebretsadik T., Minton P., Woodward K., Liu Z., **Miller E.K.**, Williams J.V., Dupont W.D., Hartert T.V. Influence of maternal asthma on the cause and severity of infant acute respiratory tract infections. *Journal of Allergy and Clinical Immunology*. 2012 May;129(5):1236-42.
13. Linder J.E.* , Kraft D.C.* , Mohamed Y.A., Lu Z., Heil L., Saville B.R., Wright P., Williams J.V., **Miller E.K.** HRV-C is not a new virus: age, season, and year are associated with HRV species in a 21-year prospective pediatric cohort study. *Journal of Allergy and Clinical Immunology*. 2013 Jan; 1(131):69-77.e6
14. **Miller E.K.**, Williams J.V., Gebretsadik T., Carroll K.N., Dupont W.D., Mohamed Y.A., Morin L.L., Heil L., Minton P.A., Woodward K., Liu Z., Hartert T. V. Viral etiologies of infant bronchiolitis, croup, and URI during four consecutive years. *Pediatric Infectious Diseases Journal*. 2013 Sep;32(9):950-5.

B. Reviews, Case Reports, Letters, Editorials

1. Poehling K.A., **Miller E.K.**, Weinberg G.A., Hall C.B., Fairbrother G. Letter to the Editor: Influenza Virus and Acute Asthma in Children: In Reply. *Pediatrics*. May 2008;121:5 1080.
2. Rosenthal L.A., Avila P.C., Heymann P.W., Martin R.J., **Miller E.K.**, Papadopoulos N.G., Peebles R.S. Jr, Gern J.E.; Infections and Asthma Committee, Environmental and Occupational Respiratory Diseases Interest Section, American Academy of Allergy, Asthma, and Immunology. Viral respiratory tract infections and asthma: the course ahead. *Journal of Allergy and Clinical Immunology*. 2010 Jun;125(6):1212-7.
3. **Miller E.K.** New human rhinovirus species and their significance in asthma exacerbation and airway remodeling. *Immunology and Allergy Clinics of North America*. 2010 Nov;30(4):541-52,vii.
4. **Miller E.K.** and Mackay I. From sneeze to wheeze: what we know about rhinovirus Cs. *Journal of Clinical Virology*. 2013 Aug;57(4):291-9.
5. **Miller E.K.**, Avila P.C., Khan Y.W., Word C. R., Pelz B.J., Papadopoulos N.G. Peebles S. R., Heymann P.W.:On behalf of the Microbes, Allergy, and Asthma Committee. Wheezing exacerbations in early childhood: evaluation, treatment, and recent advances relevant to the genesis of asthma. *Journal of Allergy and Clinical Immunology: In Practice*. Accepted for publication June 2014.

C. Books and Book Chapters

1. **Miller, E.K.** and Williams, J.V (2011). Rhinoviruses. In Robert M. Kliegman et al, *Nelson Textbook of Pediatrics, ed 19* (ch 255). Philadelphia: Elsevier.
2. **Miller, E.K.** and Williams, J.V (submitted May 2013). Rhinoviruses. In Robert M. Kliegman et al, *Nelson Textbook of Pediatrics, ed 20* (ch x). Philadelphia: Elsevier.
3. **Miller, E.K.** and Williams, J.V (submitted May 2013). The Common Cold. In Robert M. Kliegman et al, *Nelson Textbook of Pediatrics, ed 20* (ch x). Philadelphia: Elsevier.

D. Select Abstracts

1. **Miller, E.K.**, Poehling, K., Zhu, Y., Griffin, M., Hall, C.B., Erdman, D., Anderson, L., Hartert, T., Edwards, K.M. Rhinoviruses are frequently isolated from children hospitalized with respiratory illnesses. Poster presentation, PAS, Washington, D.C., May 2005.
2. **Miller, E.K.**, Poehling, K., Zhu, Y., Griffin, M., Hall, C.B., Erdman, D., Anderson, L., Hartert, T., Edwards, K.M. Rates of rhinovirus in young children hospitalized with acute respiratory illness or fever. Poster presentation, NRSA- AHRQ Conference, Boston, June 2005.

3. **Miller, E.K.**, Poehling, K., Zhu, Y., Griffin, M., Hall, C.B., Erdman, D., Anderson, L., Hartert, T., Edwards, K.M. Rhinovirus infection in hospitalized children. Poster presentation, International Respiratory Viral Symposium, Hawaii, March 2006.
4. **Miller, E.K.**, Hartert, T.V., Poehling, K.A., Griffin, M.G., Edwards, K.E. Children with RSV Infection Who Sought Medical Care Had High Prevalence of Family History of Atopy. Poster presentation, AAAAI meeting, Miami, March 2006.
5. **Miller, E.K.**, Griffin, M., Edwards, K.M., Grijalva, C., Zhu, Y., Weinberg, G.A., Szilagyi, P., Hall, C.B., Staat, M., Bernstein, D., Iwane, M.K., Bridges, C., Herrerra, G., Seither, R., Erdman, D., Poehling, K., and the New Vaccine Surveillance Network. Influenza Medical Visits Among Children With and Without Asthma. Poster presentation, Vanderbilt Research Symposium, Nashville, April 2006.
6. **Miller, E.K.**, Griffin, M., Edwards, K.M., Grijalva, C., Zhu, Y., Weinberg, G.A., Szilagyi, P., Hall, C.B., Staat, M., Bernstein, D., Iwane, M.K., Bridges, C., Herrerra, G., Seither, R., Erdman, D., Poehling, K., and the New Vaccine Surveillance Network. Rates of Influenza Medical Visits Among Children With and Without High-Risk Medical Conditions. Poster presentation, NRSA-AHRQ conference, Seattle, June 2006.
7. **Miller, E.K.**, Griffin, M., Edwards, K.M., Grijalva, C., Zhu, Y., Weinberg, G.A., Szilagyi, P., Hall, C.B., Staat, M., Bernstein, D., Iwane, M.K., Bridges, C., Herrerra, G., Seither, R., Erdman, D., Poehling, K., and the New Vaccine Surveillance Network. Rates of Influenza in Children With and Without Asthma. Poster presentation, PAS, Toronto, May 2007.
8. **Miller E.K.**, Edwards K.M., Weinberg G.A., Iwane M.K., Griffin M.R., Hall C.B., Zhu Y., Szilagyi P.G., Morin L., Heil L.H., Lu X., Williams J.V. for the New Vaccine Surveillance Network. A novel group of rhinoviruses is associated with asthma hospitalizations. Featured Poster Presentation, American Academy of Allergy, Asthma, and Immunology Meeting, Philadelphia, March 2008.
9. **Miller E. K.**, Khuri-Bulos N., Chen Q., Faori S., Shehabi A., Al Jundi I., Williams J.V., Halasa, N. Novel Rhinovirus Clade Detected in Hospitalized Children in Amman, Jordan. Poster Presentation, 48th Annual ICAAC/Infectious Diseases Society of America (IDSA), October 2008.
10. **Miller E. K.**, Williams J.V., Gebretsadik T., Morin L.L., Heil L., Mohamed Y.A., Carroll K., Minton P.A., Woodward K., Liu Z., Hartert T.V. Human Rhinovirus Clades in Infant Bronchiolitis and Upper Respiratory Illness. Featured Poster Presentation, American Academy of Allergy and Immunology Annual Meeting, Washington, D. C. March 2009.
11. **Miller E.K.**, Dumitrescu L., Edwards K.M., Sparks R., Fawkes D., Dorris S.L., Crawford D.C. The Genomics of Variable Immune Response after Influenza Vaccination in Children: A Pilot Study. Poster Presentation, Genetics and Genomics of Infectious Diseases Conference, Singapore, March 2009.
12. Taylor, S., Dumitrescu L., Edwards K.M., Sparks R., Fawkes D., Dorris S.L., **Miller, E.K.**, Crawford D.C. Variable Immune Response after Influenza Vaccination in Children. Poster Presentation, Vanderbilt Human Genetics Forum, Nashville, October 2009.
13. Kraft D.C., Williams J.V., Mohamed Y.A., Edwards K.M., **Miller E.K.** Human Rhinovirus C infection in 21-year prospective cohort of children with upper and lower respiratory tract illness. Poster Presentation, American Academy of Asthma, Allergy and Immunology Annual Meeting, New Orleans, LA, Feb 2010.
14. Zea-Hernandez J., Serra M.E., Bhat N., Mohamed Y.A., Kraft D., Chen A., Siberry G.K., Williams J.V., Shepherd B.E., **Miller E.K.***, Polack F.P.* Type III Interferon- λ 1 Elevated in Rhinovirus-Associated Wheezing in Asthmatic Children. Poster Presentation, American Academy of Allergy and Immunology Annual Meeting, New Orleans, LA, Feb 2010. (*co-corresponding authors)
15. Dorris S.L., Dumitrescu L., Cupp C., Taylor S., Sparks R., Fawkes D., Frontiero V., Rezendes A.M.,

Marchant C., Edwards K.M., Crawford D.C., **Miller, E.K.**, Atopy History and the Genomics of Adverse Events and Lack of Efficacy After Live Influenza Vaccine in Children. Poster presentation, Pediatric Academic Societies, Vancouver, Canada, May 2010.

16. **Miller E.K.***, Zea-Hernandez J. *, Serra M.E., Bhat N., Mohamed Y.A., Kraft D., Chen A., Siberry G.K., Williams J.V., Shepherd B.E., Polack F.P. The Role of Human Rhinovirus (HRV) in Pediatric Asthma Exacerbations. Oral presentation, Pediatric Academic Societies, Vancouver, Canada, May 2010. (*co-first authors, presented by EKM)
17. **Miller, E.K.**, Bugna J., Libster R., Klein M.I., Shepherd B., Polack F.P. Human Rhinoviruses are Important in Premature Infant Respiratory Illness. Oral presentation, Pediatric Academic Societies, Vancouver, Canada, May 2010.
20. Linder J.E.* , Kraft D.C.* , Mohamed Y.A., Lu Z., Heil L., Saville B.R., Edwards K.M., Williams J.V., **Miller E.K.** HRV-C is not a new virus: age, season, and year are associated with HRV species in a 21-year prospective pediatric cohort study. Poster Presentation, American Academy of Asthma, Allergy, and Immunology Annual Meeting, Orlando 2012.
21. Plachco T., Bauer G., Castro S., Alvarez M., Brundi M., Kasten L., Borroni R., Cuneo Libarona L., Fiorentio A., Schapira I., Aspres N., Libster R., Jackson J., Polack F.P., **Miller E.K.** Rinovirus Humano: Virus Predominante en las enfermedades Respiratorias de los Niños Prematuros de Alto Riesgo. Oral presentation, 2° Congreso Argentino de Neonatología, 8° Jornadas Interdisciplinarias de Seguimiento del Recién Nacido de Alto Riesgo, 2° Jornada Nacional de Perinatología, 2° Jornadas Argentinas de Enfermería Neonatal y Jornada de Formación de Instructores de Reanimación Cardiopulmonar Neonatal, Buenos Aires, Argentina, June 2013.
22. Plachco T., Bauer G., Castro S., Alvarez M., Brundi M., Kasten L., Borroni R., Cuneo Libarona L., Fiorentio A., Schapira I., Aspres N., Libster R., Jackson J., Polack F.P., **Miller E.K.** Rinovirus Humano: Virus Predominante en las enfermedades Respiratorias de los Niños Prematuros de Alto Riesgo. Oral presentation, Congreso de la Sociedad Iberoamericana de Neonatología (SIBEN) Cartagena, Colombia, September 2013.
23. Libster R., **Miller E.K.**, Plachco T., Bauer G., Jackson J., Perotta C., Ortigoza A., Aspres N., Polack F.P. Targeting passive prophylaxis: gender and breastfeeding as determinants of susceptibility for severe RSV infection and effectiveness of palivizumab in very low birthweight infants in a developing country. Poster presentation, European Society for Pediatric Research, October 2013.
24. Fadugba O., **Miller E.K.**, Khuri-Bulos N., Halasa N. Association of wheezing illness with respiratory viruses in hospitalized Jordanian children. Poster presentation, American Academy of Asthma, Allergy, and Immunology Annual Meeting, San Diego 2014.
25. Linder J., Plachco T., Bossi L., Bauer G., Polack F.P., Saville B., Lu P., Libster R., **Miller E.K.** Human rhinovirus and bronchiolitis prominent in very low birthweight infants in Argentina. Poster presentation, American Academy of Asthma, Allergy, and Immunology Annual Meeting, San Diego 2014.