

Radmila Choate, PhD, MPH

Research Assistant Professor, Department of Epidemiology
University of Kentucky College of Public Health
111 Washington Avenue, Suite 215B
Lexington, KY 40506
Phone (Office): 859-218-2237
E-mail: Radmila.choate@uky.edu

RESEARCH INTERESTS:

Chronic pulmonary diseases, chronic obstructive pulmonary disease (COPD), Alpha-1 antitrypsin deficiency, Non-cystic fibrosis bronchiectasis, nontuberculous mycobacterial (NTM) lung disease, disease burden, registry data

EDUCATION:

2016-2019	PhD , Epidemiology and Biostatistics University of Kentucky, College of Public Health Dissertation: "Estimating Disease Severity, Symptom Burden and Health- related Behaviors in Patients with Chronic Pulmonary Diseases" Advisor: Erin Abner, PhD, MPH
2012-2014	MPH , Concentration: Epidemiology University of Kentucky, College of Public Health
2012-2014	Graduate Certificate in Global Health
1993-2000	MD , General Practice Department of Medicine Tbilisi State Medical University Tbilisi, Georgia

PROFESSIONAL EXPERIENCE:

07/2019- Present	Research Assistant Professor Department of Epidemiology University of Kentucky, College of Public Health
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09/2015- 06/2019	Research Analyst Department of Preventive Medicine and Environmental Health University of Kentucky, College of Public Health
01/2015 – 09/2015	Research Analyst / Epidemiologist HIV/AIDS Surveillance Kentucky Department for Public Health/ University of Kentucky
09/2014 – 12/2014	Research Assistant Department of Epidemiology University of Kentucky, College of Public Health
05/2013 –06/2013	Research Triangle Institute (RTI) International Intern RTI International /USAID-funded Georgia HIV Prevention Project Tbilisi, Georgia
09/2002- 12/2006	Medical Insurance Manager/Medical Claims Audit American Hospital, Dubai UAE
10/2001- 09/2002	Medical Claims Review/Authorization Officer NEXtCARE, Dubai, UAE

TEACHING EXPERIENCE:

University of Kentucky, Lexington, KY

CPH 608 Guest lecturer: Fall 2014, Spring 2016 - Public Health Capstone

BST 230 Guest lecturer: Fall 2018 -Statistical Thinking in Public Health

PEER REVIEWED PUBLICATIONS:

2019 Radmila Choate, David Mannino, Kristen Holm, Robert Sandhaus “Comparing Patients with ZZ vs. SZ Alpha-1 Antitrypsin Deficiency: Findings from AlphaNet’s Disease Management Program”. *“Chronic Obstructive Pulmonary Diseases: Journal of the COPD Foundation”* <http://doi.org/10.15326/jcopdf.6.1.2018.0134>

- 2019 Edward Eden, **Radmila Choate**, Alan Barker. "The clinical features of Bronchiectasis associated with Alpha-1 antitrypsin deficiency, Common Variable Immunodeficiency, and Primary Ciliary Dyskinesia". *"Chronic Obstructive Pulmonary Diseases: Journal of the COPD Foundation"* <http://doi.org/10.15326/jcopdf.6.2.2018.0156>
- 2019 Cara Pasquale, Jeffrey Vietri, **Radmila Choate**, Angee McDaniel, Reiko Sato, Kimbal Ford, Elisha Malanga, Barbara Yawn. "Patient reported consequences of community-acquired pneumonia (CAP) in patients with chronic obstructive pulmonary disease". *"Chronic Obstructive Pulmonary Diseases: Journal of the COPD Foundation"* <http://doi.org/10.15326/jcopdf.6.2.2018.0144>
- 2018 Kristen E. Holm, David M. Mannino, **Radmila Choate**, Robert A. Sandhaus. "Genotype is Associated with Smoking and Other Key Health Behaviors among Individuals with Alpha-1 Antitrypsin Deficiency-Associated Lung Disease". *"Respiratory Medicine"* <https://doi.org/10.1016/j.rmed.2018.08.016>
- 2018 Mark L Metersky, Timothy R Aksamit, Alan Barker, **Radmila Choate**, Charles L. Daley, Leigh A Daniels, Angela DiMango, Edward Eden, David Griffith, Margaret Johnson, Michael Knowles, Anne E O'Donnell, Kenneth Olivier, Matthias Salathe, Byron Thomashow, Gregory Tino, Gerard Turino, Kevin L Winthrop, David Mannino "The Prevalence and Significance of Staphylococcus aureus in Patients with non-Cystic Fibrosis Bronchiectasis". *"Annals of the American Thoracic Society"*. <https://doi.org/10.1513/AnnalsATS.201706-426OC>
- 2018 Omar Ahmad, Alexis E. Shafii, David M. Mannino, **Radmila Choate**, Maher A. Baz. "Impact of Donor Lung Pathogenic Bacteria on Patient Outcomes in the Immediate Post-Transplant Period. *"Transplant Infectious Disease"* <http://dx.doi.org/10.1111/tid.12986>
- 2017 **Radmila Choate**, and David M. Mannino. "Chronic Obstructive Pulmonary Disease: Epidemiology, Clinical Presentation, and Evaluation." *"Journal of Clinical Outcomes Management"*. http://www.turner-white.com/pdf/jcom_apr17_COPD.pdf
- 2017 Melanie A Ruffner, Timothy R Aksamit, Byron Thomashow, **Radmila Choate**, Angela DiMango, Gerard M Turino, Anne E O'Donnell, Margaret M Johnson, Kenneth N Olivier, Kevin Fennelly, Charles L Daley, Kevin L Winthrop, Mark L Metersky, Matthias A Salathe, Michael R Knowles, M Leigh Anne Daniels, Peadar G Noone, Gregory Tino, David E Griffith, Kathleen E Sullivan. "Frequency of untreated hypogammaglobinemia in bronchiectasis". *"Annals of Allergy, Asthma & Immunology"* <https://doi.org/10.1016/j.anai.2017.04.020>

- 2016 Perkins J., **Choate R.**, Mannino D., Browning S., Sandhaus R. "Benefits among Patients with Alpha-1 Antitrypsin Deficiency Enrolled in a Disease Management and Prevention Program". *"Chronic Obstructive Pulmonary Diseases: Journal of the COPD Foundation"* <http://doi.org/10.15326/jcopdf.4.1.2016.0161>
- 2016 Fuller W., Cassity E., Kelly A., **Choate R.**, Kalema A., Montgomery A., Wieleczko A., Mannino D., Morris P. "Red Cell Transfusion and Mortality of MICU Patients Receiving Continuous Renal Replacement Therapy". *"Chest"* <https://doi.org/10.1016/j.chest.2016.08.236>

MANUSCRIPTS IN PREPARATION:

R. Choate, C. Pasquale, N. Parada, V. Prieto-Centurion, B. Yawn. "The Burden of Cough and Phlegm in People with COPD: A COPD PPRN Study" (*Chronic Obstructive Pulmonary Diseases: Journal of the COPD Foundation*, under review)

R. Choate, T. Aksamit, Bronchiectasis and NTM Research Registry Consortium. "Pseudomonas Aeruginosa impact on severity of bronchiectasis"

R. Choate, D. Mannino, R.A. Sandhaus, K. Holm. "Multicomponent Intervention Improves BMI and Exercise activities: Results of a Randomized Trial of Alpha-1 Antitrypsin Deficient Patients"

R. Choate, A. Young. "HIV transmission knowledge among youth in Tbilisi, Georgia: implications for school health education".

OTHER PUBLICATIONS:

- 2015 Chesnut LW, **Choate R**, Dunworth CE, Eden AR. (2015). Voices from the Front Line: Public Health Leaders speak out for Kentucky Families and Children – June 2015. Qualitative examination of four topics (substance abuse; child abuse & neglect; access to care; resources and services for children with special health care needs) raised as key issues by the 2014 Kentucky Patient Survey. The process included running eleven focus groups across Kentucky, theme coding and analysis, and document development. Created as a supplement to the Kentucky 2015 MCH Needs Assessment process.

CONTRIBUTIONS:

- 2014** Georgia HIV Prevention Project. Sustainable HIV Prevention in Georgia: Challenges, Opportunities, and Recommended Actions. Policy Paper. Prepared by RTI International for USAID/Georgia (acknowledged as a contributor)
https://pdf.usaid.gov/pdf_docs/PA00K2XB.pdf

PRESENTATIONS/ SCIENTIFIC CONFERENCES:

R. Choate, T. Aksamit, D. Mannino, G. Stone, Bronchiectasis and NTM Research Registry Consortium. "Pseudomonas Aeruginosa Associated with Severity of Non-cystic Fibrosis Bronchiectasis Measured by the Modified Bronchiectasis Severity Score (BSI) and the FACED: the US Bronchiectasis and NTM Research Registry (BRR) Study". *American Thoracic Society: ATS International Conference 2019. Dallas, TX. RAPiD: Rapid Abstract Poster Discussion. May 2019*

R. Choate, C. Pasquale, N. Parada, V. Prieto-Centurion, B. Yawn. "PROMIS-29 Scores Associated with Longitudinal Changes in Cough and Phlegm Severity in Patients with COPD within the Chronic Obstructive Pulmonary Disease Patient-Powered Research Network (COPD PPRN)". *American Thoracic Society: ATS International Conference 2019. Dallas, TX. May 2019*

A. Basavaraj, **R. Choate**, Bronchiectasis and NTM Research Registry Consortium. "Airway Clearance in Bronchiectasis: Analysis from the United States Bronchiectasis Research Registry". *American Thoracic Society: ATS International Conference 2019. RAPiD: Rapid Abstract Poster Discussion. May 2019*

B. Yawn, **R. Choate**, E. Malanga, C. Pasquale, N. Parada, V. Prieto-Centurion, R. Mularski. "COPD Patients' Perspective of the Burden of Cough and Phlegm: A COPD PPRN Study". *PCORI Annual Meeting. Washington D.C. November 2018*

R. Choate, E. Eden, A. Barker. "The clinical features of bronchiectasis associated with Alpha-1 Antitrypsin Deficiency, Common Variable Immunodeficiency, and Primary Ciliary Dyskinesia". *3rd Annual Worldwide Bronchiectasis Conference. Washington, DC. July 2018*

C. Pasquale, J. Vietri, **R. Choate**, E. Malanga, K. Ford, A. McDaniel, R. Sato, B. Yawn. "COPD Assessment Test (CAT) to monitor recovery from Community Acquired Pneumonia in COPD Patients". *COPD11, Birmingham, UK. June 2018*

C. Pasquale, J. Vietri, **R. Choate**, E. Malanga, K. Ford, A. McDaniel, R. Sato, B. Yawn. "Impact of Community-Acquired Pneumonia (CAP) on Patients with Chronic Obstructive Pulmonary Disease (COPD)". *COPD11, Birmingham, UK. June 2018*

B. Yawn, **R. Choate**, C. Pasquale, N. Parada, V. Prieto-Centurion. "The Burden of Cough and Phlegm in People with COPD: A COPD PPRN Study". *COPD11, Birmingham, UK-Winner of the first place among posters at COPD11. June 2018*

R. Choate, D. Mannino, K. Holm, R.A. Sandhaus. "Analysis of Factors associated with FEV1 decline in Alpha-1 Antitrypsin Deficient patients: a comparison of statistical approaches". *American Thoracic Society: ATS International Conference 2018. San Diego, CA. Thematic poster session. May 2018*

R. Choate, E. Eden, A. Barker. "The clinical features of bronchiectasis associated with Alpha-1 Antitrypsin Deficiency, Common Variable Immunodeficiency, and Primary Ciliary Dyskinesia". *American Thoracic Society: ATS International Conference 2018. San Diego, CA. RAPID: Rapid Abstract Poster Discussion. May 2018*

C. Pasquale, J. Vietri, **R. Choate**, E. Malanga, K. Ford, A. McDaniel, R. Sato. "Consequences of Community Acquired Pneumonia (CAP) in patients with COPD. *American Thoracic Society: ATS International Conference 2018. San Diego, CA. Thematic poster session. May 2018*

R. Choate, D. Mannino, T. Aksamit, Bronchiectasis and NTM Research Registry Consortium, G. Stone. "Pseudomonas Aeruginosa Impact on Severity of Bronchiectasis". *Center for Clinical and Translational Science conference, College of Public Health Research Day", Lexington, KY. Oral presentation. April 2018*

R. Choate, D. Mannino, R.A. Sandhaus, K. Holm. "Multicomponent Intervention Improves BMI in a Randomized Trial of Alpha-1 Antitrypsin Deficient Patients". *American Thoracic Society: ATS International Conference 2017. Poster discussion. May 2017*

R. Choate, D. Mannino, R.A. Sandhaus, K. Holm. "Increase in Exercise Activities in Alpha-1 Antitrypsin Deficient Patients: Results of a Randomized Trial". *American Thoracic Society: ATS International Conference 2017. Washington, DC. Poster discussion. May 2017*

R. Choate, D. Mannino, R.A. Sandhaus, K. Holm. "Factors associated with FEV1 decline in Alpha-1 Antitrypsin Deficient Patients". *American Thoracic Society: ATS International Conference 2017. Washington, DC. Poster discussion. May 2017*

D.M. Mannino, **R. Choate**, J. Walsh, R.A. Mularski, C. Pasquale, W. Clark, E. Malanga, S. Gillespie, M.A. McBurnie, P. Crawford. "Longitudinal Follow-Up Data from Enrollees in the COPD Foundation Patient-Powered Research Network: Methods and Outcomes". *American Thoracic Society: ATS International Conference 2017. Washington, DC. Poster discussion. May 2017*

T.R. Aksamit, **R. Choate**, A.E. O'Donnell, A.F. Barker, C.L. Daley, L.A. Daniels, E. DiMango, E. Eden, K.P. Fennelly, D.E. Griffith, M. Johnson, M. Knowles, P. Noone, K.N. Olivier, M.L. Metersky, M. Salathe, B. Thomashow, G. Tino, G. Turino, K.L. Winthrop, D.M. Mannino. "United States Bronchiectasis Registry Longitudinal Follow Up at Two Years". *American Thoracic Society: ATS International Conference 2017. Washington, DC. Presenter- T.R. Aksamit. Oral presentation. May 2017*

A. Otekeiwebia, E. Cassity, A. Kelly, **R. Choate**, D. Mannino, P. Morris, M. Khosravi. "Performance of the Respiratory Shock Index, a New Derived Outcome Prediction Measure for Adults with Sepsis". *American Thoracic Society: ATS International Conference 2017. Washington, DC. Poster presentation. May 2017*

R. Choate, D. Mannino, R.A. Sandhaus, K. Holm. "Increase in Exercise Activities in Alpha-1 Antitrypsin Deficient Patients: Results of a Randomized Trial". *Center for Clinical and Translational Science conference, College of Public Health Research Day, Lexington, KY. Poster presentation. April 2017*

R. Choate, D. Mannino, R.A. Sandhaus, K. Holm. "Multicomponent Intervention Improves BMI in a Randomized Trial of Alpha-1 Antitrypsin Deficient Patients". *COPD10USA Conference. Chicago, IL. Poster presentation. July 2017*

R. Choate, D. Mannino, R.A. Sandhaus, K. Holm. "Increase in Exercise Activities in Alpha-1 Antitrypsin Deficient Patients: Results of a Randomized Trial". *COPD10USA Conference. Chicago, IL. Poster presentation. July 2017*

R. Choate, D. Mannino, R.A. Sandhaus, K. Holm. "Factors associated with FEV1 decline in Alpha-1 Antitrypsin Deficient Patients". *COPD10USA Conference. Chicago, IL. Poster presentation. July 2017*

D. Mannino, **R. Choate**, J. Walsh, R. Mularski, C. Pasquale, W. Clark, E. Malanga S. Gillespie, P. Crawford, M. McBurnie. "Longitudinal Follow-Up Data from Enrollees in the COPD Foundation Patient-Powered Research Network: Methods and Outcomes". *COPD10USA Conference. Chicago, IL. Poster presentation. July 2017*

R. Choate, D. Mannino, T. Aksamit, Bronchiectasis and NTM Research Registry Consortium, G. Stone. "Pseudomonas Aeruginosa Impact on Severity of Bronchiectasis". *COPD10USA Conference*. Chicago, IL. Poster presentation. July 2017

R. Choate, D. Mannino, D. Barber, R.A. Sandhaus, K. Holm. "Differences between ZZ and SZ patients in the AlphaNet Program". *American Thoracic Society: ATS Conference 2016*. San Francisco, CA. Poster presentation. May 2016

R. Choate, D. Mannino, R.A. Sandhaus, D. Barber, K. Holm. "Improving survival among ZZ patients in the AlphaNet Program". *American Thoracic Society: ATS Conference 2016*. San Francisco, CA. Poster presentation. May 2016

A. Rajagopal, **R. Choate**, A. Montgomery, D. Mannino. "Central Venous Catheter Patient Safety: A Quality Improvement Initiative". *American Thoracic Society: ATS Conference 2016*. San Francisco, CA. Poster presentation. May 2016

W. Fuller, E. Cassity, A. Kelly, **R. Choate**, A. Kalema, A. Montgomery-Yates, A. Wieleczko, D. Mannino, P. Morris. "Red cell transfusion and mortality of MICU patients receiving continuous renal replacement therapy." *CHEST Conference 2016*. Los Angeles, California. Poster presentation. October 2016

R. Choate, D. Mannino, D. Barber, R.A. Sandhaus, K. Holm. "Differences between ZZ and SZ patients in the AlphaNet Program". *Center for Clinical and Translational Science conference, College of Public Health Research Day, Lexington, KY*. Poster presentation. April 2016

R. Choate. "Factors associated with HIV transmission knowledge among youth in Tbilisi, Georgia: Results of the youth behavioral surveillance survey." *Center for Clinical and Translational Science conference, College of Public Health Research Day*, Lexington, KY. Oral presentation. March 2014

AWARDS AND HONORS:

2019 2019 American Thoracic Society (ATS) Abstract Scholarship
2018 Winner of the 1st place for oral presentation at the Center for Clinical and Translational Science Conference, Lexington, KY

- 2018** Epidemiology/ Biostatistics PhD program 2018 Book Award for High Score in Comprehensive Examination
- 2017** 2017 American Thoracic Society (ATS) Abstract Scholarship
- 2014** University of Kentucky International Service Award
- 2014** Winner of the 1st place and “Masters Research Division Outstanding Presentation Award” at the Center for Clinical and Translational Science Conference, Lexington, KY

PROFESSIONAL MEMBERSHIPS:

- 2017-present** American Thoracic Society
- 2014-present** Beta Gamma Chapter of the Delta Omega Honorary Society in Public Health
- 2013-2015** Phi Kappa Phi, University of Kentucky