

CURRICULUM VITAE

Nicholas Antos MD

Associate Professor
Department of Pediatrics
Division of Pulmonary

OFFICE ADDRESS:

CHW Specialty Clinics Building
9000 W Wisconsin Ave
Milwaukee, WI 53226

EDUCATION:

07/1999 - 06/2003 B.S. in Biology, Cum Laude, University of Illinois, Urbana-Champaign
07/2003 - 06/2007 M.D., Rush Medical College, Chicago, IL

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

07/2007 - 06/2010 Resident, Pediatrics, Advocate Christ Medical Center, Hope Children's Hospital, Oak Lawn, IL
07/2010 - 06/2013 Fellow, Pediatric Pulmonary Medicine, Department of Pediatrics, Medical College of Wisconsin, Children's Hospital of Wisconsin, Milwaukee, WI

FACULTY APPOINTMENTS:

07/2010 - 06/2013 Instructor, Department of Pediatrics, Medical College of Wisconsin, Milwaukee, WI
07/2013 - 06/2021 Assistant Professor, Department of Pediatrics, Medical College of Wisconsin, Milwaukee, WI
07/2021 - Present Associate Professor, Department of Pediatrics, Medical College of Wisconsin, Milwaukee, WI

ADMINISTRATIVE APPOINTMENTS:

07/2016 - Present Medical Director, Southeast Wisconsin School-based Asthma Management Program (SAMPRO™), Wisconsin Asthma Coalition, Children's Health Alliance, Milwaukee, WI
07/2017 - Present Director, Cystic Fibrosis Center, Medical College of Wisconsin, Milwaukee, WI

HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:

07/2013 - 06/2017 Associate Director, Pediatric Cystic Fibrosis Program, Medical College of Wisconsin and Children's Hospital of Wisconsin, Milwaukee, WI
07/2017 - Present Director, Pediatric Cystic Fibrosis Program, Medical College of Wisconsin and Children's Hospital of Wisconsin, Milwaukee, WI

RESEARCH ADMINISTRATIVE APPOINTMENTS:

06/2017 - Present Site Director, Cystic Fibrosis Therapeutics Development Network (TDN) Research Center Site, Medical College of Wisconsin, Milwaukee, WI through the TDN coordinating site, Seattle, WA

HOSPITAL STAFF PRIVILEGES:

07/2013 - Present Children's Wisconsin, 8915 W. Connell Ct, Milwaukee, WI

SPECIALTY BOARDS AND CERTIFICATION:

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
American Board of Pediatrics	10/2010	12/2021

Pediatric Pulmonary 11/2014 12/2021

<u>Certificates</u>	<u>Issued By</u>	<u>Issue Date</u>	<u>Expiration</u>
Six Sigma Green	Belt	09/2013	None
Advanced Improvement	Methods	05/2015	None

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
Wisconsin License	54265-20	03/2010	10/2021

AWARDS AND HONORS:

1999 - 2003 James Scholar Honors Program at the University of Illinois
2003 Cum Laude at the University of Illinois
2007 Harvey H. Grodzin M.D. Pediatric Grant , Rush University
2013 Fellow Research Day, Third Place Top Research Project Awards, Medical College of Wisconsin
2014 - 2015 2016, 2017, 2018, 2019 Best Doctors in America
2018 Top Junior Faculty Presentation Research Day, Medical College of Wisconsin
2020 Health Informatics, Technology & Education (HITE) Abstract award - Inaugural honoree of this award, American Academy of Allergy, Asthma & Immunology (AAAAI)

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

1997 - Present American Academy of Pediatrics
2011 - Present American Thoracic Society
2012 - Present American College of Chest Physicians
2014 - Present Member, Steering Committee (Medical College of Wisconsin Maintenance of Certification (QI) Portfolio Program Steering Committee)
2015 - Present Co-Leader, Clinician Workgroup, American Academy of Allergy (Asthma & Immunology (AAAAI) Presidential Office of School-Based Management of Asthma)
2015 - Present Taskforce Member; AAAAI Office of School-Based Management of Asthma
2016 - Present Value Champion for Pulmonary & Sleep (Medical College of Wisconsin)
2016 - 2020 Member, EHR Provider Committee (Children's Wisconsin)
2016 - 2018 Member (Wisconsin Newborn Screening Program Cystic Fibrosis (CF) & Molecular Subcommittee)
2017 - 2021 Member (CF Therapeutic Development Network Protocol Review Committee - Competitive appointment)
2019 - Present Chair (Wisconsin Newborn Screening Program CF & Molecular Subcommittee)
2019 - Present Member (Wisconsin Newborn Screening Program Umbrella Committee)
2020 - Present Member, Ambulatory Core Team (Children's Wisconsin)
2021 - Present Advisory Board Member (Cystic Fibrosis Foundation & IUSM CF Online Education Program)
2021 - Present Quality Improvement Abstract Review Committee, North American Cystic Fibrosis Conference (Cystic Fibrosis Foundation)
2021 - Present Member, CF Related Metabolic Disorder/CF Screen Positive Inconclusive Diagnosis (CRMS/CFSPID) Guidelines Committee (Cystic Fibrosis Foundation - Competitive appointment)

REGIONAL APPOINTED/ELECTED LEADERSHIP AND COMMITTEE POSITIONS:

LOCAL APPOINTED/ELECTED LEADERSHIP AND COMMITTEE POSITIONS:

NATIONAL/INTERNATIONAL APPOINTED/ELECTED LEADERSHIP AND COMMITTEE POSITIONS:

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Active

Peer Review

Title:	A Harmonized Protocol Across Sponsors
Source:	Various
Role:	Investigator (Site)

Dates: 07/2013 - 06/2022
 Title: Genetic and Genomic Analysis of Cystic Fibrosis Lung Disease
 Source: Various
 Role: Principal Investigator (Site)
 PI: Hara Levy
 Dates: 07/2016 - Present

Title: Epidemiology of Cystic Fibrosis in Children Diagnosed Through a Statewide Neonatal Screening Program
 Source: NIH
 Role: Principal Investigator (Site)
 PI: HuiChuan Lai
 Dates: 07/2016 - 11/2020

Title: Early Childhood Diet, Growth, Gut Microbiome and Lung Health in Cystic Fibrosis - Feeding Infants Right from the Start (FIRST) CF Study
 Source: NIH R01
 Role: Principal Investigator (Site)
 PI: HuiChuan Lai
 Dates: 07/2016 - 08/2021

Title: Cystic Fibrosis Center Grant - For Milwaukee Adult and Pediatric CF Center
 Source: NIH & CF Foundation Therapeutics (CFFT)
 Role: Principal Investigator
 Dates: 07/2017 - Present
 Direct Funds: \$140,855 (renewed yearly)

Title: CF Therapeutic Development Network Participating Site
 Source: CF Foundation Therapeutics (CFFT)
 Role: Principal Investigator
 Dates: 07/2017 - Present
 Direct Funds: \$117,765 (renewed yearly, competitive renewal)

Title: FIRST CF Study - Whole Genome Sequencing in relation to Early Childhood Diet, Growth, Gut Microbiome and Lung Health in Cystic Fibrosis
 Source: Legacy of Angels and CF Foundation (CFF)
 Role: Principal Investigator (Site)
 PI: Phil Farrell
 Dates: 09/2017 - 12/2021

Title: Feeding Infants Right...from the STart (FIRST) Study Chest CT and Lung Clearance Index Ancillary Study

Source: CF Foundation Therapeutics (CFFT)
Role: Principal Investigator (Site)
PI: Mike Rock
Dates: 09/2017 - 12/2021

Title: CHaractErizing CFTR Modulated
Changes in Sweat Chloride and their
Association with Clinical Outcomes (the
CHEC-SC Study)

Source: CF Foundation Therapeutics (CFFT)
Role: Co-Investigator (Site)
PI: Nicole Hamblett
Dates: 01/2018 - 10/2021

Title: A prospective study to evaluate
biological and clinical effects of
significantly corrected CFTR function
(the PROMISE Study)

Source: CF Foundation Therapeutics (CFFT)
Role: Investigator (Site)
PI: Steven Rowe
Dates: 08/2018 - 04/2022

Title: Pharmacist and Pharmacy Technician
Source: CF Foundation (CFF)
Role: Principal Investigator
Dates: 04/2019 - 03/2022
Direct Funds: \$186,000 (total for all years)

Title: Cystic Fibrosis Learning Network
(CFLN) Collaborative Site - Wave 3;
Children's Wisconsin CF Center
Source: CF Foundation (CFF)
Role: Principal Investigator
Dates: 01/2020 - 12/2020
Direct Funds: \$26,961 (per year)

Title: Study to evaluate stopping inhaled
hypertonic saline or dornase alfa in
people with CF who are taking the triple-
combination modulator,
elexacaftor/tezacaftor/ivacaftor
(SIMPLIFY-IP-19)
Source: CF Foundation Therapeutics (CFFT)
Role: Principal Investigator (Site)
PI: Steven Rowe
Dates: 08/2020 - 07/2022

Non-Peer Review

Title: VX15-661-116; A Phase 3, Open-label,
Rollover Study to Evaluate the Safety
and Efficacy of Long term Treatment
with Tezacaftor in Combination with
Ivacaftor in Subjects with CF Aged 6
and older, with F508del-CFTR Mutation
Source: Vertex Pharmaceuticals, Inc
Role: Principal Investigator (Site)

Dates: 04/2018 - 03/2022

Pending

Peer Review

Title: Long non-coding RNA epigenetic control of immune response to Pseudomonas infection in cystic fibrosis

Source: NIH

Role: Principal Investigator (Site)

PI: Hara Levy

Dates: 04/2021 - 03/2026

Direct Funds: \$90,000 (total for all years)

Prior

Peer Review

Title: Using Quality Improvement Methodology and an Admission Road Map to Improve Patient Care and Increase Family Involvement in the Treatment of Cystic Fibrosis Pulmonary Exacerbations

Source: Cystic Fibrosis Foundation

Role: Principal Investigator

Dates: 11/2011 - 10/2013

Direct Funds: \$25,000

Title: Improving Asthma Care by Bolstering Communication Among Providers and School Nurses

Source: Centers for Disease Control (CDC) via Wisconsin Asthma Coalition

Role: Principal Investigator

PI: Nicole Hamblett

Dates: 09/2014 - 08/2015

Direct Funds: \$5,000 (total for project period)

Title: Implementing a Cystic Fibrosis Additional Research Coordinator

Source: CF Foundation Therapeutics (CFFT)

Role: Principal Investigator starting 07/2017

Dates: 12/2014 - 03/2021

Direct Funds: \$94,783 (total for all years)

Title: Improving the Outpatient Care of Cystic Fibrosis Exacerbations Using a Home Care Road Map

Source: Cystic Fibrosis Foundation (CFF)

Role: Principal Investigator

Dates: 12/2014 - 11/2017

Direct Funds: \$75,000

Title: Two-Part Multicenter Prospective Longitudinal Study of CFTR-dependent Disease Profiling in Cystic Fibrosis

Source: CF Foundation Therapeutics (CFFT)

Role: Principal Investigator (Site)
PI: Steven Rowe
Dates: 04/2015 - 08/2018

Title: Improving Asthma Management by Bolstering Communication Among Providers and School Nurses

Source: Centers for Disease Control (CDC) via Wisconsin Asthma Coalition

Role: Principal Investigator
Dates: 10/2015 - 08/2016
Direct Funds: \$10,000 (total for project period)

Title: Testing the Effect of Adding Chronic Azithromycin to Inhaled Tobramycin.

Source: NIH & CF Foundation Therapeutics (CFFT)

Role: Principal Investigator (Site)
PI: David Nichols
Dates: 04/2016 - 04/2020

Title: A Multi-Center, Placebo-Controlled, Double-Blind, Randomized Study Evaluating the Role of Oral Glutathione on Growth Parameters in Children with Cystic Fibrosis

Source: CF Foundation Therapeutics (CFFT)

Role: Investigator (Site)
PI: Sarah Schwarzenberg
Dates: 04/2017 - 04/2019

Non-Peer Review

Title: A Phase 3, Randomized, Double Blind, Placebo Controlled, Parallel Group Study to Evaluate the Efficacy and Safety of Lumacaftor in Combination With Ivacaftor in Subjects Aged 12 Years and Older With Cystic Fibrosis, Homozygous for the F508del CFTR Mutation.

Source: Vertex Pharmaceuticals, Inc
Role: Investigator (Site)
Dates: 06/2013 - 12/2015

Title: Vertex VX12-809-105 A Phase 3, Rollover Study to Evaluate the Safety and Efficacy of Long-Term treatment With Lumacaftor in Combination With Ivacaftor in Subjects Aged 12 Years and Older With Cystic Fibrosis, Homozygous or Heterozygous for the F508del CFTR Mutation

Source: Vertex Pharmaceuticals, Inc
Role: Investigator (Site)
Dates: 10/2013 - 08/2016

Title: Vertex VX13-809-011 A Phase 3, Open-

Label Study to Evaluate the Pharmacokinetics, Safety and Tolerability of Lumacaftor in Combination With Ivacaftor in Subjects 6 Through 11 Years of Age With Cystic Fibrosis, Homozygous for the F508del-CFTR

Source: Vertex Pharmaceuticals, Inc
Role: Investigator (Site)
Dates: 01/2015 - 11/2016

Title: VX14-661-108 A Phase 3, Randomized, Double-Blind, Placebo-Controlled, Crossover Study to Evaluate the Efficacy and Safety of Ivacaftor and VX-661 in Combination With Ivacaftor in Subjects Aged 12 Years and Older With Cystic Fibrosis, Heterozygous for the F508del-CFTR Mutation, and a Second Allele With a CFTR Mutation Predicted to Have Residual Function

Source: Vertex Pharmaceuticals, Inc
Role: Investigator (Site)
Dates: 04/2015 - 08/2016

Title: VX14-661-106 A Phase 3, Randomized, Double-Blind, Placebo Controlled, Parallel-Group Study to Evaluate the Efficacy and Safety of VX-661 in Combination With Ivacaftor in Subjects Aged 12 Years and Older With Cystic Fibrosis, Homozygous for the F508del-CFTR Mutation

Source: Vertex Pharmaceuticals
Role: Investigator (Site)
Dates: 04/2015 - 04/2017

Title: VX14-809-109 A Phase 3, Double Blind, Placebo Controlled, Parallel Group Study to Evaluate the Efficacy and Safety of Lumacaftor in Combination With Ivacaftor in Subjects Aged 6 Through 11 Years With Cystic Fibrosis, Homozygous for the F508del CFTR Mutation

Source: Vertex Pharmaceuticals, Inc
Role: Investigator (Site)
Dates: 07/2015 - 12/2016

Title: A Phase 3 Extension Study of Ataluren (PTC124) In Patients with Nonsense Mutation Cystic Fibrosis

Source: PTC Therapeutics
Role: Investigator (Site) 12/2015 - 06/2017
Site Principal Investigator (Site)
07/2017-09/2017

Dates: 12/2015 - 09/2017

Title:	VX15-661-113 A Phase 3, Open-label Study to Evaluate the Pharmacokinetics, Safety, and Tolerability of VX-661 in Combination With Ivacaftor in Subjects 6-11 years old with Cystic Fibrosis, F508del-CFTR Mutation
Source:	Vertex Pharmaceuticals, Inc
Role:	Investigator (Site) 11/2016 - 06/2017
PI:	01/2019
Dates:	11/2016 - 01/2019
Title:	A Phase 3, randomized, double-blind, placebo-controlled study of AeroVanc for the treatment of persistent MRSA lung infection in cystic fibrosis patients
Source:	Savara
Role:	Principal Investigator (Site)
Dates:	10/2017 - 12/2019

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

Local

What Happens Next?: CF Pulmonary Exacerbation Hospital Care. Cystic Fibrosis Family Education Night, Milwaukee, Wisconsin, 02/2012 - Present

Improving Time To Treatment in Cystic Fibrosis Inpatient Admissions. Medical College of Wisconsin Pediatric Research Poster Session, Milwaukee, Wisconsin, 04/2012 - Present

Drawing a Cystic fibrosis (CF) Road Map: Improving CF Inpatient Care with an Admission Plan. Medical College of Wisconsin Pediatric Research Poster Session, Milwaukee, Wisconsin, 04/2013 - Present

Drawing a Cystic fibrosis (CF) Road Map: Improving CF Inpatient Care with an Admission Plan. Grand Rounds, MCW Pediatric Fellows Best Research Posters Event Milwaukee, Wisconsin, 04/2013 - Present

Quality Improvement, Patient Safety, and Medical Errors. Children's Hospital of Wisconsin, Joint Fellowship Curriculum Workshop, 09/2013 - Present

Asthma in Schools, and You! National to Local Improvements. Children's Hospital of Wisconsin, Pediatric Grand Rounds, 04/2016 - Present

Southeastern Wisconsin School-based Management of Asthma Program (SAMPRO™). American Lung Association Asthma Partnership Phase I Program, 09/2016 - Present

Southeastern Wisconsin School-based Management of Asthma Program (SAMPRO™). American Lung Association Asthma Partnership Phase II Program, 08/2017 - Present

Pulmonary and Sleep Division Value Efforts, Grand Rounds, Children's Wisconsin, 01/2020 - Present

The Quality Improvement Toolbox & Cystic Fibrosis Pre-visit Planning, Pulmonary Conference, Children's Wisconsin, 02/2021 - Present

Cystic Fibrosis for the Pediatric Boards, SURFBoards Board Review course, Medical College of Wisconsin, 03/2021 - Present

- Awarded among the top Fellow's Presentations

Regional

Back to school: Improving Asthma Orders in Milwaukee Public Schools. Wisconsin Asthma Coalition Annual Meeting, Fond du Lac, Wisconsin, 09/2015 - Present

A Road Map for Improving the Hospital Experience. CF Family Education Day, American Family Children's Hospital CF Center, Madison, Wisconsin, 11/2015 - Present

Are we failing School Nurses?. Wisconsin Association of School Nurses Annual Conference, Madison, Wisconsin, 04/2016 - Present

Recommendations from the AAAAI Office of School Based Management of Asthma. Wisconsin Lung Force Expo, Brookfield, Wisconsin, 04/2016 - Present

Improving Clinic to School Communication and the Burden of Asthma Orders. Wisconsin Association of

School Nurses Annual Conference, Madison, Wisconsin, 04/2017 - Present
Cystic Fibrosis: New Matters in Newborn Screening, New Advanced Process in WI, New CFTR Specific Therapies. American Lung Association Lung Force Expo, Milwaukee, WI, 07/2017 - Present
Getting Better All the Time...CF Center and Treatment Updates. Milwaukee Area Cystic Fibrosis Foundation Annual Benefactors Meeting, Milwaukee, WI, 02/2018 - Present
CF Center Team Support. Milwaukee Area Cystic Fibrosis Foundation Annual Benefactors Meeting, Milwaukee, WI, 02/2020 - Present
Every Day is Grandparents Day: CF Introduction for Grandparents. CF Foundation Grandparent Group. Cystic Fibrosis Foundation, Wisconsin Chapter, Web-based, 07/2020 - Present
Acting on the "ACT" score: What an asthma control test can do for you!, Inaugural Asthma Quality Webinar, Wisconsin Collaborative for Healthcare Quality, Web-based, 08/2020 - Present
School-based Asthma Management Program and How we can work together, Milwaukee Public School Nurse Seminar, Web-based, 03/2021 - Present
School based asthma management and Acting on the ACT score, Asthma Quality Webinar, Wisconsin Collaborative for Healthcare Quality, Web-based, 03/2021 - Present

National

Creating a School Asthma Plan. School-based Management of Asthma Summit, Office of the President of AAAAI, Washington, D.C., 10/2015 - Present
A Lottery of CF Organs & North American CF Conference (NACFC) Updates. 2nd Annual CF Education Night, Children's Hospital of Illinois CF Center, Peoria, Illinois, 11/2016 - Present
Successful Approaches to Implement SAMPRO in School Districts in Wisconsin. Association of Asthma Educators Annual National Conference, Milwaukee, WI, 07/2017 - Present
Wisconsin Cystic Fibrosis Showcase. Cystic Fibrosis Foundation Learning and Leadership Collaborative, Benchmarking Visit, Milwaukee, WI, 05/2018 - Present
Wisconsin Cystic Fibrosis Improvements. Cystic Fibrosis Foundation Learning and Leadership Collaborative, Benchmarking Visit, Milwaukee, WI, 05/2019 - Present
Bringing CF Pre-visit Planning to the Family; Successes and Barriers. Cystic Fibrosis Learning Network Virtual Community Conference, Web-based, 11/2020 - Present
- Keynote Speaker
- Summit Group Co-Leader

International

The Role of the Allergist in a School-based Asthma Management Program (SAMPRO). Workshop: Bridging the Pediatric Asthma Gap: Using School-Based Partnerships to Promote Change, AAAAI Annual Meeting, Atlanta, GA, 03/2017 - Present
The 'Next Generation' of CF Newborn Screening? Our Novel Program in Wisconsin. Genetic Counseling Annual Discipline Session, North American Cystic Fibrosis Conference, Nashville, TN, 10/2019 - Present

PEER REVIEWED WORKSHOPS/PRESENTATIONS:

Local

Improving the Treatment of Pulmonary Exacerbations with Home IV Antibiotic Therapy. Medical College of Wisconsin Research Day, Milwaukee, WI, 06/2018 - Present

Regional

CF Education Nights: Family Engagement in a CF Center. Poster Presentation, Children's Specialty Group Best Practices Conference, Wisconsin Dells, Wisconsin, 03/2012 - Present
Using a Written Plan of Care to Improve Communication and Patient Satisfaction for Inpatient Care: A CF Center Approach. Poster Presentation, Children's Specialty Group Best Practices Conference, Wisconsin Dells, Wisconsin, 03/2013 - Present

International

Improving Time to Treatment in Cystic Fibrosis Inpatient Admissions. Thematic Poster Session at the annual American Thoracic Society (ATS) Conference, San Francisco, California, 05/2012 - Present
Drawing a Cystic fibrosis (CF) Road Map: Improving CF Inpatient Care with an Admission Plan. Oral

presentation at Practical Approaches to Improve CF Outcomes Workshop, North American Cystic Fibrosis Conference (NACFC), Orlando, Florida, 10/2012 - Present

Improving Antibiotic Timeliness for Cystic Fibrosis Inpatient Admissions. Oral presentation at Challenges to the Implementation of Drug Therapy in CF Care - The Team Approach Workshop, NACFC, Orlando, Florida, 10/2012 - Present

Barriers to Initial Administration of Airway Clearance Therapy in Pediatric Cystic Fibrosis Hospitalizations. Poster Discussion Session at the annual American Thoracic Society (ATS) Conference, Philadelphia, Pennsylvania, 05/2013 - Present

Implementing Inpatient Cystic Fibrosis Related Diabetes Screening: Successes and a Resultant Epidemic. Poster Presentation, NACFC, Salt Lake City, Utah, 10/2013 - Present

Improving Cystic Fibrosis Hospital Care Using Patient-Centered Goal Based Treatment and an Admission Road Map, Oral presentation at Inpatient Behavior & Adherence Workshop, NACFC, Atlanta, Georgia, 10/2014 - Present

Time to See the Dentist: Oral Health Status of Pediatric Cystic Fibrosis Patients. Poster Presentation at NACFC, Orlando, Florida, 10/2016 - Present

The Pulmonary Exacerbation Road Map for the Digital Age: Sustaining Improvements into the Electronic Health Record. Poster Presentation at NACFC, Indianapolis, IN, 10/2017 - Present

Care Transitions from Clinic to Hospital to Home: A Cystic Fibrosis Communication Story. Oral Session Presenter, Epic User's Group Meeting, Verona, WI, 08/2018 - Present

Improving Care of Pulmonary Exacerbations Treated with Home IV Antibiotic Therapy. Poster Presentation at NACFC, Denver, Colorado, 10/2018 - Present

Using the Electronic Health Record and a School-based Education Program to Increase Asthma Management Plan Compliance, Oral presentation, AAAAI Annual Conference, Virtual, 03/2020 - Present

Sustainably Implementing Impactful Pre-visit Planning Using the Electronic Health Record, Oral Presentation, NACFC, Virtual, Upcoming 2021

COMMITTEE SERVICE:

Medical College of Wisconsin

2013 - 2020 Member, Epic Provider Champion Workgroup, Children's Specialty Group

2014 - 2017 Member, Pharmacy & Therapeutics Committee, Children's Hospital. of Wisconsin

2014 - Present Member, Clinical Competency Committee, Pediatric Pulmonary Fellowship

2015 - 2017 Member, Documentation Standards Committee, Children's Hospital of Wisconsin

Children's Wisconsin

MEDICAL COLLEGE TEACHING ACTIVITIES:

Medical Student Education

2010 - Present Inpatient Pulmonary Service and Outpatient Pulmonary Clinic

2010 - 2016 "Pulmonary Embryology", Medical College of Wisconsin Applied Respiratory Physiology Course

2017 - Present Lead medical student education on cystic fibrosis during Pulmonary Rotation

2017 - Present "Cystic Fibrosis", Medical College of Wisconsin Applied Respiratory Physiology Course

Resident and Fellow Education

2010 - Present Inpatient Pulmonary Service and Outpatient Pulmonary Clinic

2013 - Present Lead education on Quality Improvement for Pulmonary Fellows

2016 - Present Lead pediatric resident CF education, including monthly "Introduction to Cystic Fibrosis" for Inpatient Resident Team

2017 - Present Lead curriculum for teaching Cystic Fibrosis Care for Pulmonary Fellows

Continuing Medical Education

2017 - 2018 Monthly in Person Provider Educational Sessions entitled "School Nurses and Asthmatics Students are Counting on you! Using the EHR Efficiently for Asthma & Asthma Management Plans", CHW EHR Provider Efficiency Course

2019 - Present Webinar Based "School Nurses and Asthmatics Students are Counting on you! Using the EHR Efficiently for Asthma & Asthma Management Plans", EHR Provider Efficiency Course Created

EXTRAMURAL TEACHING:

Continuing Medical Education

- 2013 - Present CF Clinical Care Introduction. Yearly event for Cystic Fibrosis Foundation Milwaukee's Finest Campaign
- 2013 - Present CF Clinical Care Introduction. Yearly event for Cystic Fibrosis Foundation Milwaukee's Finest Campaign
- 2015 - 2017 The School-Based Asthma Management Program: How you can help in Wisconsin. In office and workshop session 3-4 times a year throughout SE Wisconsin through the Wisconsin Asthma Coalition.
- 2015 - 2017 The School-Based Asthma Management Program: How you can help in Wisconsin. In office and workshop session 3-4 times a year throughout SE Wisconsin through the Wisconsin Asthma Coalition.
- 03/2018 - Present Creating, Using, and Teaching Asthma Management Plans. American Lung Association Asthma Educator Course, Milwaukee, WI
- 03/2018 - Present Creating, Using, and Teaching Asthma Management Plans. American Lung Association Asthma Educator Course, Milwaukee, WI

PROGRAMMATIC DEVELOPMENTS:

Educational Programs

Fellow

- 06/2015 - Present Instituted structured Quality Improvement (QI) mentoring for pulmonary fellows, including Quality Specific Pulmonary Lectures and projects
- 06/2017 - Present Primary CF mentor for pulmonary fellows
- 07/2017 - Present Instituted a novel CF curriculum for pulmonary fellows
Includes the fellow being paired up with a CF infant longitudinally for their entire fellowship

Faculty

- 2016 - Present Devised an educational program on asthma management plans and their importance in schools for provider education.
- 2017 - 2018 Asked to lead the inaugural CHW EHR Proficiency Course.
- 2019 - Present Created Webinar of the EHR Asthma Proficiency Course Seminar
The combination of these educational interventions and support of Children's Medical Group resulted in an increase in AMP usage from ~40% to 90% which is now sustained for more than a year
Created a group lecture and demonstration on Asthma, Asthma Management Plans (AMP), School Forms and efficient usage of the EHR for Asthma.
Created while mentoring residents in QI. Session given in office by the residents.
Providers view program then come for at the elbow support

Clinical Programs

- 2015 - Present Co-Instituted Cystic Fibrosis Patient and Family Advisory Board
- 2016 - Present Co-led development of a bi-annual CF Introduction Day for families of new CF infants
- 2017 - 2019 Oversaw the creation and implementation of a dedicated Clinical CF Nurse Role in our CF Center
- 2019 - Present Devised a novel Quality Improvement education program. Teaches about Asthma Management Plans and School via Webinar, with subsequent workbook to teach QI techniques and measurements
- 2019 - 2021 Overseeing the implementation of an Ambulatory CF Pharmacist and CF Pharmacy Tech into our CF Center
- 2019 - Present Implemented program to have a member of our CF patient and Family Advisory Board attend the North American Cystic Fibrosis Conference
Community & Lay Public
Novel partnership at Children's Wisconsin

COMMUNITY SERVICE ACTIVITIES:

- 1995 - 2015 Czechoslovak Society of America
- 1999 - 2003 Illini Emergency Medical Services, University of Illinois, Urbana-Champaign, IL
- 2003 - 2007 Rush Children's Hospital Buddies Program, Rush University, Chicago, IL
- 2019 - Present Member, St. Luke Catholic Church Special Needs Resource Fair Committee, Brookfield, WI
- 2019 - Present Member, Leadership Committee, Cub Scout Pack 140, New Berlin, WI
- 2019 - Present Den Leader, Cub Scout Pack 140, New Berlin, WI

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. Antos N, Quintero D, Walsh-Kelly C, Noe J, Schechter M. Improving Inpatient Cystic Fibrosis Pulmonary Exacerbation Care - Two Success Stories. *BMJ Qual Saf.* 2014 Apr;23 Suppl 1:i33-i41. doi: 10.1136/bmjqs-2013-002367.
2. Lemanske R, Kakumanu S, Shanovich K, Antos N, Cloutier M, et al. The Creation and Implementation of SAMPRO: A School-Based Asthma Management Program. *J Allergy Clin Immunol.* 2016 Sep;138(3):711-723. doi: 10.1016/j.jaci.2016.06.015
3. Kakumanu S, Antos, N, Szeffler S, Lemanske R. Building School Health Partnerships to Improve Pediatric Asthma Care: The School-based Asthma Management Program (SAMPRO). *Curr Opin Allergy Clin Immunol.* 2017 Apr;17(2):160-166.
4. doi: 10.1097/ACI.0000000000000347.
5. Abu-Zahra R, Antos N, Kump T, Angelopoulou MV. Oral health of cystic fibrosis patients at a North American center: A pilot study. *Med Oral Patol Oral Cir Bucal.* 2019 May 1;24(3):e379-e384. doi: 10.4317/medoral.22756
6. Kroll K, Antos N, Grace M, Balge J, Simpson P. Feasibility of a Group Telepsychological Intervention for Adolescents with Cystic Fibrosis. *J. technol. behav. sci.* 2020 March;5,47-50. <https://doi.org/10.1007/s41347-019-00115-9>
7. Miller T, Antos N, Brock L, Wade T, Goday P. Lactation Consultation Sustains Breast Milk Intake in Infants with Cystic Fibrosis. *J Ped Gastroenterol Nutr.* 2019 Sep;69(3):358-362. doi: 10.1097/MPG.0000000000002415
8. Moheet A, Beisangb B, Zhanc L, Sageld S, VanDalfsene J, Heltshee S, Frederickg C, Mannh M, Antos N, Billings J, Rowe S, Moran A, et al. Lumacaftor/Ivacaftor Therapy Fails to Increase Insulin Secretion in F508del/F508del CF Patients. *Journal of Cystic Fibrosis,* 2020 Sep; doi: 10.1016/j.jcf.2020.09.001.
9. Sprecher A, Malin K, Finley D, Lembke P, Keller S, Grippe A, Hornung G, Antos N, Uhing M. Quality improvement approach to reducing admission hypothermia among preterm and term infants admitted to a level IV NICU. *Hospital Pediatrics;* 2021 Mar;11(3):270-276. doi: 10.1542/hpeds.2020-003269.
10. Antos, N, Savant, A. Cystic fibrosis year in review 2020: Section 2 pulmonary disease, infections, and inflammation. *Pediatr Pulmonol.* 2021 May 25. doi: 10.1002/ppul.25459. PMID: 34033706.
11. Antos N, Encalada S, Rohloff R, Traner A, Fortuna N, Meuer M, Proper S, Dokken P, Jansky J, Reineking I, Farrell B. Using a School-based Education Program and the Electronic Health Record to Increase Asthma Management Plan Usage. *Pediatrics;* In Revision
12. EDITORIALS, NON-PEER REVIEWED, AND OTHER
13. Antos N. Care Center Develops New Tool to Improve Inpatient Care. *Cystic Fibrosis Foundation Network News,* 2012 Winter ed.
14. SELECT PEER REVIEWED ABSTRACTS
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 42. EDUCATIONAL PRODUCTS

43. Illinois American Academy of Pediatrics. "Bright Smiles from Birth; Fluoride Varnish Training Video."
Appeared as training physician in video. Published online Aug 2010.
(<http://illinoisap.org/2010/08/bright-smiles-from-birth-training-video/>)
44. "School-Based Asthma Management Program (SAMPRO) Quality Improvement MOC Program", Dr. Antos
led and created online course, supported by MCW and the Wisconsin Asthma Coalition,
<http://bit.ly/WISAMPRO>
45. Editor, Cystic Fibrosis Newborn Screening & Diagnosis Online Course, Indiana University and the Cystic
Fibrosis Foundation
46. RADIO INTERVIEWS
47. Cystic Fibrosis - Transition from Pediatric to Adult Care. 2019 August; CTSI Discovery Radio. Episode 64.
48. Outdoor Wood Boilers and Keeping Your Lungs Safe. 2020 March; The Mid-West Farm Report.