



Family Medicine Faculty Secure \$5 Million HRSA Grant for Residency Training Technical Assistance Center, Boosting Health Workforce Funding to Nearly \$13 Million

Just prior to Thanksgiving break, [UNC was awarded a 3-year \\$5 million HRSA grant to create a Teaching Health Center Planning and Development Technical Assistance Center \(THCPD-TAC\)](#). The new funding is in addition to [\\$4.3 million awarded](#) in August 2021 and \$3.6 million awarded from 2018 through 2020 from the HRSA Federal Office of Rural Health Policy for the [Rural GME Center](#). UNC School of Medicine Executive Dean and Family Medicine Professor Cristy Page, MD, MPH, founded the Rural GME Center, a national consortium of experts in medical education, health workforce and rural health policy, in 2018 during her tenure as Chair of the Department of Family Medicine. Emily Hawes, PharmD, BCPS, CPP, an Associate Professor in the Department of Family Medicine and the UNC Eshelman School of Pharmacy, helps direct the national consortium and serves as Co-PI.



Page; Hawes; Erin Fraher, PhD, MPP, Associate Professor of Family Medicine and Director of the Carolina Health Workforce Research Center; Mark Holmes, MD, MPH, of The Cecil G. Sheps Center; and Family Medicine Professor Adam Zolotor, MD, DrPH, of NC AHEC; work in collaboration with the HRSA Office of Rural Health Policy and Bureau of Health Workforce to implement these

cooperative efforts. The consortium also includes the University of Washington, the

University of Wisconsin, and the UNC Adams School of Dentistry, among other community and academic partners across the country.

The consortium has produced extensive research on rural and underserved health workforce development, which has resulted in new policies that support increased access to rural and underserved care. In partnership with HRSA, they have directly supported the development of 283 new rural training positions accredited in the last 2 years, spanning internal medicine, family medicine, general surgery, and psychiatry and worked to create the next generation of rural health leaders. The new award reflects the continued successful partnership with HRSA, as well as the positive results generated by the Rural GME Center. Moving forward, Page and team will expand their existing rural efforts to additional underserved communities in partnership with community health centers across the nation. The team will support 47 new teaching health center programs in the specialties of family medicine, psychiatry, pediatrics, internal medicine, general dentistry and pediatric dentistry.

Congrats to our faculty Cristy Page, Emily Hawes, Erin Fraher, Adam Zolotor, and Dawn Morrison, MPH (Associate Director of Educational Programs) for securing support for such innovative and important work!

Standard Black Doula Program Awarded Duke Endowment

Congrats to assistant professor Venus Standard's Alliance for Black Doulas for Black Mamas (ABDBM), which was recently awarded a \$525,000 grant from The Duke Endowment for Black doula training to decrease maternal mortality rates in North Carolina! The program, led and entirely staffed by Black women, will continue its recruitment, support, and funding for Black doula training to decrease maternal mortality rates. Its unique strength is a holistic approach to addressing perinatal morbidity and mortality in the Black community. Families who receive care from a doula have been shown to have fewer medical interventions, infants with higher birth weights, fewer birth complications, and are more likely to breastfeed, all leading to decreased maternal and infant mortality and morbidity rates.

With initial support from the UNC C. Felix Harvey Award to Advance Institutional Priorities, ABDBM graduated its first class of nine Black doulas in July and eleven in September 2021. The 3-year grant from The Duke Endowment will support



the training of 120 new Black doulas from Alamance, Durham, Granville, Guilford, Orange, and Wake counties and has a goal of 2,000 total mothers and families served by the end of the grant period. Training these new doulas will increase access to doula services for Black pregnant persons by 300 to 600 families per month moving forward.

[Read more at UNC Health and School of Medicine Newsroom.](#)

Coe Named to AAMC Board of Directors



Congrats to Catherine Coe, MD, who has been [named to the Association of American Medical Colleges \(AAMC\) Board of Directors](#)! Dr. Coe is the inaugural person to hold the junior faculty representative seat, chosen out of a pool of more than 60 nominees across the country. Coe has been heavily involved in medical student education during her time as faculty. She is on the Board of Directors for the Consortium of Accelerated Medical Pathway Programs, is the director of the FIRST program, and was recently named to the AMA Accelerating Change in Medical Education Consortium Executive Committee.

[Read more about this honor at the UNC Health and School of Medicine Newsroom.](#)

NC FIT Awarded Duke Endowment Award to Enhance Program

[David Rosen](#), MD, PhD, associate professor of medicine in the division of infectious diseases, is principal investigator of a study that will review the [North Carolina Formerly Incarcerated Transition \(NC FIT\) Program](#), funded by a three-



NC FIT
FORMERLY INCARCERATED
TRANSITION PROGRAM

year, \$580,000 Duke Endowment Award.

Founded in 2018 by [Evan Ashkin](#), MD, NC FIT connects formerly incarcerated individuals who have a chronic

disease, mental illness and/or substance use disorder with appropriate healthcare services and other reentry resources. The program is a partnership between UNC Family Medicine, the North Carolina Department of Public Safety (which administers the state prisons), the North Carolina Community Health Center Association, Federally Qualified Health Centers, County Departments of Public Health, community-based reentry organizations and local reentry councils.

“When Evan founded NC FIT, it was clear that this was a really important accomplishment because there is such a huge gap in our public health infrastructure for those being released,” Rosen said. “Since its founding, I have gradually become more involved in the NC FIT program’s evaluation efforts.” Ashkin said the project will help to determine the effectiveness of NC FIT to address these issues, and its impact on access and disparities if it were expanded further across the state.

“NC FIT is still the only statewide organization focused on connecting people to essential health services after release from jail or prison,” said Ashkin. “We struggle to provide funders, policymakers and others with regional data about our work to support expansion across the state. We are very excited about the Duke Endowment supporting our efforts to understand how to better serve this highly marginalized and vulnerable population.”

Thomas named "Community Star" for NC by National Organization of State Offices of Rural Health, Guest Lecturer for Farm Toxicology Course

Congratulations to Gayle Thomas, MD, who was named [North Carolina's 2021 Community Star](#) by The National Organization of State Offices of Rural Health (NOSORH) for her vital work as Medical Director of the NCDHHS Office of Rural Health's NC Farmworker Health Program! From the [NOSORH Community Stars publication](#):

"Gayle Thomas has been a Community Star Her whole career, dedicated to serving underserved populations," said Elizabeth Freeman Lambar, ORH Farmworker Health Program Manager. "However, during the pandemic, Dr. Thomas has gone above and beyond every day since March 2020, and she has been a champion of the Farmworker Vaccination Plan that vaccinated more than 27,000 farmworkers with an acceptance rate over 90%."

Dr. Thomas has been in the role of Medical Director of the Farmworker Health Program since 2013, running a mobile clinic where she manages a team of physicians, nurses, residents, and medical students who drive out to migrant farmworker labor camps to deliver care to migrant farmworkers, many of whom have traveled here from Mexico on a temporary agricultural guest worker visa program. Her efforts to educate others in the care of this population have led to the

creation of a medical student elective in Migrant Health at the UNC School of Medicine and a required two-week Vulnerable Populations rotation for the UNC Family Medicine Residency.

Dr. Thomas was born to missionary parents in the Republic of Congo, where she discovered aspirations to work in medicine. Her motivation to work with the farmworker community originated from her experience working with these unique health needs during a rotation as a resident in rural Oregon. She states, "It has been a privilege to bring attention to the needs of these men and women who play such an essential role in our society by growing and harvesting our food.

Farmworkers experience so many barriers to healthcare, including low wages, lack of transportation and health insurance, language barriers, and work hours that often last from sunrise to sunset, 6 days per week without any paid time off.

Unfortunately, our society prefers that we not know about the working and living conditions of the people who provide us with our food."

Dr. Thomas will be retiring at the end of the year, with Family Medicine Assistant Professor Modjolie Moore, MD, assuming the role at that time. Her efforts to train and support future leaders working with underserved populations will leave the program prepared to continue delivering high-quality care to our most vulnerable.



COMMUNITY

Gayle Beth Thomas

Me

North Carolina's 2021 Community Star is a shining example of a rural health professional who profoundly understands the need for programs that support migrant farmworkers.

NC Farmworker Health Program, NC Office of Rural Health

Carrboro, North Carolina

How does Dr. Gayle Thomas, Medical Director of the Carolina Farmworker Health Program, a federally funded program within the Office of Rural Health, know what farmworkers need? The answer is simple: she serves as the Medical Director and provider for the Farmworkers Project mobile medical clinic. The late-night traveling clinic takes care directly to farmworker camps during the agricultural season in Sampson and Wayne counties and surrounding areas.



Recognizing how critical it is to ensure the program's future and with her retirement coming at the end of the year, Dr. Thomas has been committed to educating medical students on the dynamics of farmworker health. "Through my experience as Associate Professor of Family Medicine at UNC School of Medicine, I bring medical students and family medicine residents with me on this clinic," she said. She also developed a medical student elective in Migrant Health and a research project on farmworker health.

Dr. Thomas is also an invited lecturer for the course "**Farm Toxicology for Primary Care: Recognition and Management of Pesticide Poisonings.**" This course is available to physicians, physician assistants, nurse practitioners, and nurses.

Farm Toxicology for Primary Care
Recognition and Management of Pesticide Poisonings

Online Self-Paced Learning,
Available November 1, 2021 -
August 31, 2024

NC Agromedicine Institute and Eastern Area Health Education Center (Eastern AHEC) are pleased to announce the availability of 'Farm Toxicology for Primary Care: Recognition and Management of Pesticide Poisonings.'

Management of Pesticide Poisoning'. This online self-paced course focuses on the recognition and management of pesticide poisonings, including critical information sources and the long-term consequences of pesticide exposure. Insecticides, herbicides, rodenticides, fungicides, and poisonous gases are explored through cases, mechanisms of toxicity, acute and chronic clinical effects, differential diagnosis, and management. Emphasis is placed on the importance of occupational and environmental history.

To register for the course, go to [Farm Toxicology for Primary Care - Recognition and Management of Pesticide Poisoning \(easternahec.net\)](http://easternahec.net)

Zeitler to lead Reach Out and Read (ROAR), Moore to lead Farmworkers Program

In light of Gayle Thomas's retirement, two of our faculty will now lead programs she has led with compassion and skill.



Matt Zeitler, MD, will step into the role as Program Director for Family Medicine's Reach Out and Read (ROAR) chapter. ROAR is a nonprofit organization that incorporates books into pediatric care and encourages families to read out loud together, facilitating language acquisition among young patients and helping to establish positive patient-physician relationships.

Modjolie Moore, MD, will take over the role as Medical Director for the NC Farmworker Health Program, a statewide Migrant Health Voucher Program within the NC Office of Rural Health that works with local agencies to respond to gaps in health care that would otherwise prevent farmworkers from accessing needed care.



Mieses Malchuk Featured on New US Department of Health & Human Services PSA

Alexa Mieses Malchuk, MD, MPH, is featured in the new U.S. Department of Health and Human Services PSA "[Protection for You and Your Baby: An Expert on COVID-19 Vaccines and Pregnancy](#)." From the video, "If you are pregnant, doctors strongly recommend you get vaccinated for COVID-19. I'm telling you this not only as a doctor but as a fully vaccinated, expectant mother."

View the video here:



We appreciate "Dr. Alexa" for her work combatting misinformation by effectively communicating facts about COVID-19 and COVID-19 vaccinations in the public sphere!

Baca-Atlas, Zeitler in LA Filming for HippoEd Primary Care Bootcamp Series

Michael Baca-Atlas, MD, & Matt Zeitler, MD, were in Los Angeles in mid-November filming video content for a primary care boot camp curriculum series to be featured on [Hippo Education](#). Baca-Atlas and Zeitler are contributors to the Hippo Ed podcast “[PC-RAP](#)” provided to our residents and were asked to come to California and film



videos and content for the boot camp course. Their segment discusses topics ranging from tobacco, alcohol, and drug use to low testosterone, testicular complaints, prostatitis, hospital to outpatient transitions of care, BPH, and male sexual dysfunction.

Sources state they had a blast 😊!

EMBRACe Recognized as Collaborative Using Innovative Strategies to Tackle Infant Mortality Inequities

The Equity for Moms and Babies Realized Across Chatham (EMBRACe) Coalition, which UNC Family Medicine faculty work closely with as leaders at Chatham Maternity Care Center and Chatham Hospital, was recently highlighted in a [recent article in the *Journal of Public Health Management and Practice*](#). The article, “The Power of Community in Addressing Infant Mortality Inequities” refers to the program, along with MAHEC’s Mothering Asheville Coalition to SistasCaring4Sistas as examples of counties are tackling infant mortality inequities with innovative strategies. Both collaborative efforts at opposite ends of North Carolina are focused on decreasing maternal and infant health inequities by

addressing structural racism. The collaboratives are part of the Cross-sector Innovation Initiative (CSII), which comprises 10 partnerships working toward sustainable collaboration to advance equity and improve population health.



EMBRACe is a grant-funded project aimed at achieving equitable birth outcomes in Chatham County. The program is a product of collaboration between Chatham County Public Health Department, Chatham Hospital, UNC Family Medicine, Piedmont Health

Services, Chatham County Department of Social Services and the Chatham Health Alliance. Through partnerships to share leadership, decision-making and data, the project specifically focuses on advancing policies, practices and programs that strengthen a community where mothers receiving prenatal and perinatal care are treated with dignity and respect.

Watch the New Video "Why Family Medicine?"

A new recruitment video "Why Family Medicine?" was recently released by Dwalt Media, highlighting the diversity and robust, high-level nature of the Family Medicine specialty. Featuring faculty Amir Barzin, DO, MS, Medical Director for Virtual Care Services and the UNC Clinical Contact Center for UNC Health, Dana Iglesias, MD, MPH, Medical Director of Chatham Hospital Maternity Care Center, and Kelly Bossenbroek Fedoriw, MD, Director of Medical Student Programs and UNC lead of ECHO MAT for Opioid Use Disorder. [Watch the video here!](#)



Why Family Medicine?

Faculty Collaborate on Study Linking Global Health Electives in Med School to Future Work With Underserved Populations

UNC Family Medicine faculty Nadja Vielot, Sylvia Becker-Dreps, Don Pathman, and Martha Carlough collaborated with Global Health’s Shay Slifko and Emergency Medicine’s Justin Myers on a study resulting in a recent research article published in BMC Medical Education. The article, [“Students with global experiences during medical school are more likely to work in settings that focus on the underserved,”](#) discusses their findings assessing the association of global electives in medical school on subsequently working in global health and with

underserved populations in the U.S., additionally considering students' interests and experiences prior to medical school.



The study surveyed medical school graduates from classes 2011-2015 to describe current practice settings and previous global health experience. It evaluated work, volunteer, and educational experiences preceding medical school, socioeconomic status, race,

and ethnicity using American Medical College Application Service (AMCAS) data, and assessed the association between students' backgrounds, completing global health electives in medical school, and current work in global health or with underserved populations in the U.S.

The study found that medical school graduates who participated in global electives as students were more likely than their peers to pursue careers with underserved populations, independent of experiences prior to medical school.

Baca-Atlas on WRAL Discussing Record Increase in Overdose Deaths

Michael Baca-Atlas, MD, who works as an addiction fellow at UNC WakeBrook behavioral health facility, was recently on WRAL TV discussing how illicit fentanyl is contributing to the record 37% increase in overdose deaths in the past year in North Carolina, and how expanded access to healthcare and insurance coverage can have a positive impact on those suffering from addiction.

[Watch the segment on the WRAL website.](#)



Fraher-led NC Nursecast Website Addresses Nursing Shortage



Erin Fraher, PhD, has been busy with her work with our healthcare workforce, specifically addressing the nursing workforce shortage in our state. Fraher is the PI of the group that created the [NC Nursecast](#) website that has been getting lots of traffic as of late and has received a good deal of press. **NC Nursecast** is an interactive, web-based tool that forecasts the

future supply and demand for Registered Nurses (RNs) and Licensed Practical Nurses (LPNs) in various practice settings in North Carolina.

Press:

- “As the nation faces nursing shortages, the Triad is no exception.” [Triad City Beat](#). November 24, 2021.
- “New tool forecasts nursing needs.” [The Well – UNC Chapel Hill](#). November 24, 2021.

- “Tool developed by Carolina researchers forecasts the future supply and demand of nurses.” [UNC Communications](#). November 17, 2021.
- “NC faces shortage of up to 21,000 nurses in coming decade.” [WUNC](#). November 10, 2021
- “UNC Report: Nursing Shortage Projected Even Before Pandemic Stressors.” [Chapelboro.com](#). Radio run and print article. November 9, 2021.
- “Population growth fuels hospital competition across NC’s Triangle region.” [WUNC](#). November 9, 2021.
- “Before the pandemic, NC faced nursing shortage.” [UNC Communications](#). November 8, 2021
- “The Triangle’s Afternoon News with Rick and Donna Martinez.” Radio interview on [WPTF](#). November 5, 2021.
- “NC Nursing Shortage Likely to Worsen; Lack of Nursing Instructors Partly to Blame.” [WCCB Charlotte, the CW](#). November 4, 2021.
- “Se avecina una escasez de enfermeras en Carolina de Norte mucho peor en los proximos 12 anos.” [La Noticia](#). November 3, 2021
- “North Carolina Nurse Shortage.” [WCNC](#). November 3, 2021.
- “NC’s nursing shortage could exceed 20,000 in next 12 years.” [WBTV](#) – Charlotte. November, 3, 2021.
 - Same story on [WITN](#) – Greenville
- “NC’s nursing shortage could exceed 20,000 in next 12 years.” [CBS 17](#). November 1, 2021
 - Same story run on [Fox8](#)
 - Story linked from [Our Community Now](#)
- WUNC Morning Addition ran two quick pieces on NC Nursecast – audio only – November 1, 2021. (Sheps Center has audio files)
- “UNC model predicts North Carolina will face extreme nursing shortage.” Triangle Business Journal. November 1, 2021

UNC Program in Nicaragua Active at Annual Meeting of the American Society of Tropical Medicine and Hygiene

The [UNC Program in Nicaragua](#), based within the Department, made a big showing at the **Annual Meeting of the American Society of Tropical Medicine and Hygiene**, including the following virtual oral and poster presentations:

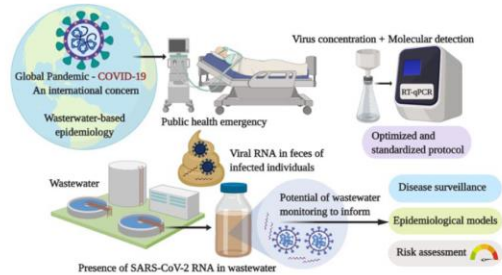
- Martinez E, Zepeda O, Corea N, Centeno E, Reyes Y, **Becker-Dreps S**, Nordgren J, Bucardo

F. Prevalence of circulating SARS-CoV-2 in wastewater from Nicaragua.

- Gutierrez L, Blandon P, Reyes Y, Gonzalez F, Toval-Ruiz C, **Vielot N**, Bucardo F, Bartelt L, **Becker-Dreps S**, Vilchez S. *Symptomatic Giardia lamblia infections in Nicaragua, Epidemiology and impact on the growth of young children during the first three years of life.*

- Gonzalez F, Toval-Ruiz C, Matute A, **Becker-Dreps S**, Lakshmanane P, De Silva A, Bucardo F. *Antibody response to SARS-CoV-2 infection for six months among Nicaraguan outpatients.*
- Perez CM, Zambrana LE, Gutierrez L, **Vielot NA**, Gonzalez F, Toval-Ruiz C, Blandon P, Herrera R, Bucardo F, **Becker-Dreps S**, Vilchez. *Gut microbiome composition prior to Campylobacter gastroenteritis among Nicaraguan infants.*
- Zepeda O, Espinoza D, Martinez E, **Becker-Dreps S**, Stringer E, Collins MH, Bucardo F. *Transfer and decay of maternal Zika EDIII antibodies in a birth cohort from Nicaragua.*

SARS-CoV-2 release in wastewater and wastewater epidemiology



Kitajima M, Ahmed W, Bibby K, et al. SARS-CoV-2 in wastewater: State of the knowledge and research needs. Sci Total Environ. 2020;739:139076. doi:10.1016/j.scitotenv.2020.139076



- Toval-Ruiz C, Brandt K, Reyes Y, Gutierrez L, Blandon P, Centeno E, Gonzalez F, Vilchez S, **Vielot N**, **Becker-Dreps S**, Bucardo F, Emch and the SAGE Team. *Spatial and temporal patterns of sapovirus gastroenteritis in children under three years of age in León, Nicaragua (SAGE)*.
- **Becker-Dreps S**, Reyes Y, Blette B, **Vielot N**, Fonzalez F, Hudgens M, Toval-Ruiz C, Gutierrez L, Vilchez S, Diez-Valcarce, Vinje J, Bucardo F. *Protective efficacy of first norovirus and sapovirus gastroenteritis episodes on future episodes*.

UNC Pre-Med Student Authors National Skin Cancer Study with Goldstein, Jarman as Co-authors

Adam Goldstein, MD, MPH, & Kristen Jarman, MSPH, were co-authors on a recent study by lead author & Pre-Med UNC undergraduate student Gabrielle Adams. The study, “Attitudes and Behaviors That Impact Skin Cancer Risk among Men,” was published in the *International Journal of Environmental Research and Public Health*. Men are much more at risk of



skin cancer because of their skin protective behavior. The authors believe this study may help raise awareness among men and providers that serious “misalignment exists among many men between risk, perception of risk, and behaviors to reduce risk” moving forward.

[Read more at the UNC Health and School of Medicine Newsroom.](#)

Byron Receives NIH Loan Repayment Program award in Health Disparities Research



Justin Byron, PhD, MHS, received a NIH Loan Repayment Program award in Health Disparities Research. This will support the extension of his K01 training grant to include LGBT tobacco product users. The project will develop health communication campaign messages for LGBT dual users of cigarettes and e-cigarettes, encouraging and supporting them in quitting tobacco products. This is intended to reduce the high smoking and vaping rates among LGBT adults.

Nurse Practitioner Week Celebrated November 7-13

We were happy to celebrate Nurse Practitioner Week November 7-13. Our Nurse Practitioners provide high-quality, compassionate care for a diverse population of patients. We're so proud of each of these skilled clinicians!

HAPPY NURSE PRACTITIONER WEEK!

UNC FAMILY MEDICINE



Family Medicine Center at Chapel Hill & Urgent Care (Main picture, from left to right):

Siobhan Wulff, MSN, FNP, Alexandra Solomon-Romshe, AGNP, Stacy Scott, FNP, Laura Downey, FNP, Joshua Deal, FNP

(Top right): Rachael Joyner, DNP, FNP

Family Medicine Center at Durham (Bottom right): Ami Goldstein, CNM, FNP

Town of Chapel Hill (Not pictured): Liska Lackey, FNP, Robin Motley, FNP

Thank you all for your stellar work!

Research and Scholarship

Publications:

Byron, M. J. & Hughes, J. H. (2021) [Wikipedia and nicotine and tobacco: Meeting people where they are](#). *Nicotine & Tobacco Research*. 23(11): 1977-1979

Lam Y, Hwang DS, **Mounsey A**. [Tips and tools to help refine your approach to chest pain](#). *J Fam Pract*. 2021 Nov;70(9):420-430. doi: 10.12788/jfp.0301.PMID: 34818149

Jonas DE, Barclay C, Grammer D, Weathington C, Birken SA, Dewalt DA, **Shoenbill KA**, Boynton MH, Mackey M, Riley S, and Cykert S. [The STUN \(STop UNhealthy\) Alcohol Use Now trial: study protocol for an adaptive randomized trial on dissemination and implementation of screening and management of unhealthy alcohol use in primary care](#). *Trials*. 2021;22(810):1-16. doi: 10.1186/s13063-021-05641-7.

Davidson KW, Mangione CM, Barry MJ, Cabana MD, Caughey AB, Davis EM, **Donahue KE**, Doubeni CA, Krist AH, Kubik M, Li L, Ogedegbe G, Pbert L, Silverstein M, Simon M, Stevermer J, Tseng CW, Wong JB. [Actions to Transform US Preventive Services Task Force Methods to Mitigate Systemic Racism in Clinical Preventive Services](#). *JAMA*. 2021; online ahead of print Nov 8.

Michelfelder AJ, **Myerholtz L**, Cuba J, Vlasses F. [Say This Instead](#). *Fam Med*. 2021;53(10):904-905.

Russ E, Puglisi, L, Eber G, Morse D, Taxman F, Dupuis M, **Ashkin E**, Ferguson M, [Prison And Jail Reentry And Health](#). *Health Affairs Health Policy Brief*. October 28, 2021. DOI: 10.1377/hpb20210928.343531

Rosen D, **Ashkin E**. [Medical-Legal Partnerships' Role In Improving Health Among People Released From Incarceration](#). *Health Affairs Blog*. October 28, 2021. DOI: 10.1377/hblog20211025.455529

Chetwynd EM. [The WHO Code for Marketing of Breast Milk Substitutes: Private Sector Power and Industry Accountability](#). *J Hum Lact*. 2021 Nov 11:8903344211057481. doi: 10.1177/08903344211057481. Online ahead of print.PMID: 34763563

Peketi P, Zimmerman S, Palmertree S, Wretman CJ, Preisser JS, **Sloane PD**. [Melatonin Prescribing in Assisted Living](#). *J Am Med Dir Assoc*. 2021 Nov 8:S1525-8610(21)00908-7. doi: 10.1016/j.jamda.2021.10.005. Online ahead of

print.PMID: 34762846

Kane SF. [2020 Paper of the Year](#). *Curr Sports Med Rep*. 2021 Nov 1;20(11):565. doi: 10.1249/JSR.0000000000000909.PMID: 34752424 No abstract available.

Sonis J, Pathman DE, Read S, Gaynes BN, Canter C, Curran P, Jones CB, Miller T. (in press). Effects of healthcare organization actions and policies related to COVID-19 on perceived organizational support among U.S. internists: a national study. *Journal of Healthcare Management*.

Baca-Atlas, M, Pitts, K, **Zeitler, MR.** [Hepatitis C in Pregnancy](#). *Primary Care Reviews and Perspectives*, Episode 89, Chapter 4. Hippo Education, December 2021.

Zeitler M, Rayala B. Neonatal Circumcision. *Prim Care*. 2021 Dec;48(4):597–611.

Zeitler M, Rayala B. Outpatient Vasectomy: Safe, Reliable, and Cost-effective. *Prim Care*. 2021 Dec;48(4):613–625.

Upcoming manuscripts:

Vielot, N., Becker-Dreps, S. Association between breastfeeding, host genetic factors, and calicivirus gastroenteritis in a Nicaraguan birth cohort. *Journal of Pediatric Gastroenterology and Nutrition*.

Posters:

All from Annual Meeting of the American Society of Tropical Medicine and Hygiene:

Martinez E, Zepeda O, Corea N, Centeno E, Reyes Y, **Becker-Dreps S,** Nordgren J, Bucardo F. Prevalence of circulating SARS-CoV-2 in wastewater from Nicaragua. *Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Nov 17-21 2021.

Gutierrez L, Blandon P, Reyes Y, Gonzalez F, Toval-Ruiz C, **Vielot N**, Bucardo F, Bartelt L, **Becker-Dreps S**, Vilchez S. Symptomatic Giardia lamblia infections in Nicaragua, Epidemiology and impact on the growth of young children during the first three years of life. *Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Nov 17-21 2021.

Gonzales F, Toval-Ruiz C, Matute A, **Becker-Dreps S**, Lakshmanane P, De Silva A, Bucardo F. Antibody response to SARS-CoV-2 infection for six months among Nicaraguan outpatients. *Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Nov 17-21 2021.

Perez CM, Zambrana LE, Gutierrez L, **Vielot NA**, Gonzalez F, Toval-Ruiz C, Blandon P, Herrera R, Bucardo F, **Becker-Dreps S**, Vilchez. Gut microbiome composition prior to Campylobacter gastroenteritis among Nicaraguan infants. *Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Nov 17-21 2021.

Zepeda O, Espinoza D, Martinez E, **Becker-Dreps S**, Stringer E, Collins MH, Bucardo F. Transfer and decay of maternal Zika EDIII antibodies in a birth cohort from Nicaragua. *Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Nov 17-21 2021.

Toval-Ruiz C, Brandt K, Reyes Y, Gutierrez L, Blandon P, Centeno E, Gonzalez F, Vilchez S, **Vielot N**, **Becker-Dreps S**, Bucardo F, Emch and the SAGE Team. Spatial and temporal patterns of sapovirus gastroenteritis in children under three years of age in León, Nicaragua (SAGE). *Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Nov 17-21 2021.

Becker-Dreps S, Reyes Y, Blette B, **Vielot N**, Fonzalez F, Hudgens M, Toval-Ruiz C, Gutierrez L, Vilchez S, Diez-Valcarce, Vinje J, Bucardo F. Protective efficacy of first norovirus and sapovirus gastroenteritis episodes on future episodes. *Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Nov 17-21 2021.

Presentations:

Byron, M. J., Jarman, K. L., Ranney, L., Brewer, N., & Goldstein, A. (2021,

October) *Using MaxDiff and a national RCT to determine the most promising campaign themes for correcting public misperceptions about nicotine reduction*. Oral presentation at the 2021 NIH Tobacco Regulatory Science Meeting, Virtual.

Dew, K. R., Clark, S., Goldstein A. O., Cappella, J. N., Brewer, N. T., Sheeran, P. & **Byron, M. J.** (2021, October) *Cigarette and e-cigarette dual users' beliefs about quitting and their perspectives on cessation campaign ads*. Poster presented at the 2021 NIH Tobacco Regulatory Science Meeting, Virtual.

Baler, G., **Clark, S., Jarman, K. L., Byron, M. J., & Ranney, L.** (2021, October) *Nicotine pouches: A new "socially acceptable" smokeless tobacco?* Poster presented at the 2021 NIH Tobacco Regulatory Science Meeting, Virtual.

Dew, K. R., Goldstein A. O., Cappella, J. N., Brewer, N. T., Sheeran, P. & **Byron, M. J.** (2021, October) *Investigating beliefs about and barriers to quitting among dual users of cigarettes and e-cigarettes*. Poster presented at the American Public Health Association annual meeting, Denver, CO.

Standard V, Pollard A, Lima H. Carolina BEBES Women's Healthcare Professionals Panel. Nov 17 2021.

Standard V, Weeks S. Medical Microaggressions: A Case of Life and Death. Wellness @ Work Lunch and Learn. Nov 18 2021.
