

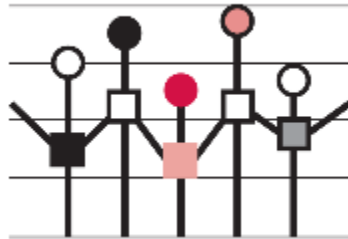
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Population Health Sciences

UW-Madison School of Medicine and Public Health

Winter 2021 Newsletter



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Winter 2021

As we survive another Winter in Wisconsin, we see glimmers of Spring on the horizon. I am pleased to share positive news throughout the Population Health Sciences department and want to congratulate Karen Cruickshanks on her recent retirement.



- Chair's Note: Karen Cruickshanks Retires
- Maureen Smith Awarded Strategic Education and Research Grant
- Tiffany Green Featured in New England Journal of Medicine
- SHOW Profiled in SMPH's Quarterly Magazine
- Dr. Remington Appears on Center Stage podcast
- Amy Trentham-Dietz Named Vilas Associate

Chair's Note: Karen Cruickshanks Retires



Dr. Karen Cruickshanks retired from the Department of Population Health Sciences in January and will continue her affiliation with PHS as an Emerita. As the principal investigator of numerous studies with the National Institute of Health, Karen has published more than 240 papers on the epidemiology of aging and spearheaded two NIH-funded population-based longitudinal cohort studies of sensory and cognitive aging. Her groundbreaking hearing research increased awareness for improved hearing care for aging adults. These multigenerational studies earned her a NIH MERIT award for her multisensory work. We thank Karen for the outstanding contributions she has made to Population Health Sciences for more than thirty years.



Maureen Smith Awarded Wisconsin Partnership Program's Strategic Education and Research Grant

[Understanding and Addressing Health Disparities in](#)

[Wisconsin through Statewide Partnerships](#) Principal Investigator: Maureen Smith, MD, PhD, MPH, Professor, Population Health Sciences Amount: \$1,500,000 The grant is jointly funded by the Advancing a Healthier Wisconsin Endowment at the Medical College of Wisconsin for a total of \$3 million from both programs over three years.

Tiffany Green co-authored article in New England Journal of Medicine



[Article](#) and [audio interview](#) with Green on how economics can help guide public health and policy.



SHOW Delivers Critical Data about COVID-19 Spread

In early 2020, the University of Wisconsin School of Medicine and Public Health's (SMPH) Survey of the Health of Wisconsin (SHOW) sought to leverage its extensive health data and bio-sample collection to assist the university and state in the face of the growing pandemic. SHOW investigators, led by the program's director, Kristen Malecki, PhD, MPH, an associate professor in the SMPH Department of Population Health Sciences, quickly mobilized their research team and [study](#) participants across Wisconsin to support the DHS's need for critical, timely data on COVID-19's spread.



Dr. Remington Showcased in WI State Journal podcast

Center Stage: A booster dose of Dr. Remington's Sage Advice as omicron takes over.

Amy Trentham- Dietz Named Vilas Associate



Office of the Vice Chancellor for
Research and Graduate Education
announced 26 faculty winners of the
Vilas Associates Competition.

Recent Publications:

- Lyu B, Chan MR, Yevzlin AS, Gardezi A, **Astor BC**. Arteriovenous Access Type and Risk of Mortality, Hospitalization, and Sepsis Among Elderly Hemodialysis Patients: A Target Trial Emulation Approach. Am J Kidney Dis. 2022Jan;79(1):69-78. doi: 10.1053/j.ajkd.2021.03.030. Epub 2021 Jun 9. PMID: 34118301.
- Garg N, Mandelbrot DA, Parajuli S, Aziz F, **Astor BC**, Chandraker A, Djamali A. The clinical value of donor-derived cell-free DNA measurements in kidney transplantation. Transplant Rev (Orlando). 2021 Dec;35(4):100649. doi:10.1016/j.trre.2021.100649. Epub 2021 Aug 21. PMID: 34507254.
- **Burns ME**, Cook S, Brown LM, Dague L, Tyska S, Hernandez Romero K, McNamara C, **Westergaard RP**. Association Between Assistance With Medicaid Enrollment and Use of Health Care After Incarceration Among Adults With a History of Substance Use JAMA Netw Open. 2022 Jan 4;5(1):e2142688. doi: 10.1001/jamanetworkopen.2021.42688. PMID: 34994791; PMCID: PMC8742194.
- **Kramer RD**, Higgins JA, **Burns ME**, Stulberg DB, Freedman LR. Expectations about availability of contraception and abortion at a hypothetical Catholic hospital: Rural-urban disparities among Wisconsin women. Contraception. 2021 Nov;104(5):506-511. doi: 10.1016/j.contraception.2021.05.014. Epub 2021 May 28. PMID: 34058222.
- Miller EB, Karlen SJ, Ronning KE, **Burns ME**. Tracking distinct microglia subpopulations with photoconvertible Dendra2 in vivo. J Neuroinflammation. 2021 Oct 15;18(1):235. doi: 10.1186/s12974-021-02285-x. PMID: 34654439; PMCID:PMC8520240.
- **Ying Jessica Cao, Dandi Chen, Yao Liu, Maureen Smith**, Disparities in the Use of In-Person and Telehealth Primary Care Among High- and Low-Risk Medicare Beneficiaries During COVID-19 2021 Dec 13;8:23743735211065274. doi:10.1177/23743735211065274. eCollection 2021.PMID: 34926805 PMCID: PMC8679021 DOI: 10.1177/23743735211065274
- **Kenneth J Nieser, Amy L Cochran** Addressing heterogeneous populations in latent variable settings through robust estimation PMID: **34694831** DOI: 10.1037/met0000413
- Gwen C Jacobsohn, Courtney M C Jones, Rebecca K Green, **Amy L Cochran**, Thomas V Caprio, Jeremy T Cushman, **Amy J H Kind**, Michael Lohmeier, Ranran Mi, Manish N Shah Effectiveness of a care transitions intervention for older adults discharged home from the emergency

department: A randomized controlled trial PMID: 34310796 PMCID: PMC8766871 Acad Emerg Med. 2022 Jan;29(1):51-63. doi: 10.1111/acem.14357

- Allison M Letkiewicz, **Amy L Cochran**, Josh M Cisler Frontoparietal network activity during model-based reinforcement learning updates is reduced among adolescents with severe sexual abuse PMID: 33199053 PMCID: PMC8195295 (available on 2023-01-01) DOI: 10.1016/j.jpsychires.2020.10.046
- Ellis Weismer S, Tomblin JB, **Durkin MS**, Bolt D, **Palta M**. A preliminary epidemiologic study of social (pragmatic) communication disorder in the context of developmental language disorder. Int J Lang Commun Disord. 2021 Nov;56(6):1235-1248. doi: 10.1111/1460-6984.12664. Epub 2021 Aug 12. PMID: 34383380.
- **Maenner MJ**, Shaw KA, Bakian AV, Bilder DA, **Durkin MS**, Esler A, **Furnier SM**, Hallas L, Hall-Lande J, Hudson A, Hughes MM, Patrick M, Pierce K, Poynter JN, Salinas A, Shenouda J, Vehorn A, Warren Z, Constantino JN, DiRienzo M, Fitzgerald RT, Grzybowski A, Spivey MH, Pettygrove S, Zahorodny W, Ali A, Andrews JG, Baroud T, Gutierrez J, Hewitt A, Lee LC, Lopez M, Mancilla KC, McArthur D, Schwenk YD, Washington A, Williams S, Cogswell ME. Prevalence and Characteristics of Autism Spectrum Disorder Among Children Aged 8 Years - Autism and Developmental Disabilities Monitoring Network, 11 Sites, United States, 2018. MMWR Surveill Summ. 2021 Dec 3;70(11):1-16. doi: 10.15585/mmwr.ss7011a1. PMID: 34855725; PMCID: PMC8639024.
- Shaw KA, **Maenner MJ**, Bakian AV, Bilder DA, **Durkin MS**, **Furnier SM**, Hughes MM, Patrick M, Pierce K, Salinas A, Shenouda J, Vehorn A, Warren Z, Zahorodny W, Constantino JN, DiRienzo M, Esler A, Fitzgerald RT, Grzybowski A, Hudson A, Spivey MH, Ali A, Andrews JG, Baroud T, Gutierrez J, Hallas L, Hall-Lande J, Hewitt A, Lee LC, Lopez M, Mancilla KC, McArthur D, Pettygrove S, Poynter JN, Schwenk YD, Washington A, Williams S, Cogswell ME. Early Identification of Autism Spectrum Disorder Among Children Aged 4 Years - Autism and Developmental Disabilities Monitoring Network, 11 Sites, United States, 2018. MMWR Surveill Summ. 2021 Dec 3;70(10):1-14. doi: 10.15585/mmwr.ss7010a1. PMID: 34855727; PMCID: PMC8639027.
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- **Gorzelitz JS**, **Trentham Dietz A**, **Hampton JM**, Spencer RJ, Costanzo E, Koltyn K, **Gangnon RE**, Newcomb PA, **Cadmus-Bertram LA**. Mortality risk and physical activity across the lifespan in endometrial cancer survivors. Cancer Causes Control. 2022 Jan 17. doi: 10.1007/s10552-021-01540-z. Epub ahead of print. PMID: 35040017.
- Chapman CH, Schechter CB, Cadham CJ, **Trentham-Dietz A**, **Gangnon RE**, Jagsi R, Mandelblatt JS. Identifying Equitable Screening Mammography Strategies for Black Women in the

United States Using Simulation Modeling. Ann Intern Med. 2021 Dec;174(12):1637-1646. doi: 10.7326/M20-6506. Epub 2021 Oct 19. PMID: 34662151.

- **Eggers S, Safdar N, Kates A, Sethi AK, Peppard PE, Kanarek MS, Malecki KMC.** Urinary lead level and colonization by antibiotic resistant bacteria: Evidence from a population-based study. Environ Epidemiol. 2021 Nov 3;5(6):e175. doi: 10.1097/EE9.000000000000175. PMID: 34909555; PMCID: PMC8663876.
- Sun J, Zheng Q, Madhira V, Olex AL, Anzalone AJ, Vinson A, Singh JA, French E, Abraham AG, **Mathew J, Safdar N**, Agarwal G, Fitzgerald KC, Singh N, Topaloglu U, Chute CG, Mannon RB, Kirk GD, Patel RC; National COVID Cohort Collaborative (N3C) Consortium. Association Between Immune Dysfunction and COVID-19 Breakthrough Infection After SARS-CoV-2 Vaccination in the US. JAMA Intern Med. 2021 Dec 28:e217024. doi:10.1001/jamainternmed.2021.7024. Epub ahead of print. PMID: 34962505; PMCID: PMC8715386.
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610 Walnut St, Madison, WI | 608.263.2880 | pophealth@mailplus.wisc.edu