Stanford



Haley Hedlin

Associate Director, Clinical Trials Program, Med/Quantitative Sciences Unit

Curriculum Vitae available Online

Bio

ACADEMIC APPOINTMENTS

- Associate Director, Clinical Trials Program, Med/Quantitative Sciences Unit

PROFESSIONAL EDUCATION

- PhD, Johns Hopkins School of Public Health , Biostatistics (2011)
- BA, St. Olaf College , Mathematics with minors in Statistics and Linguistics (2006)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

I am a senior biostatistician in the Quantitative Sciences Unit in the Department of Medicine. I am interested in developing and applying statistical methods to all areas of medicine and public health. I have worked closely with neuroscientists to improve statistical methods applied to neuroscience data and have contributed to public health research related to cancer screening, blood pressure control, disaster preparedness, and environmental health. My statistical research interests center around neurostatistics, time series analysis, and methods for longitudinal or clustered data. Last but not least, I enjoy mentoring clinicians, researchers, and students who are interested in learning statistics.

Publications

PUBLICATIONS

- **Cardiovascular Risk Prediction in Postmenopausal Women With and Without Chronic Kidney Disease: An Observational Cohort Study.** *Journal of general internal medicine*

  Gallo, R. J., Qin, F., Hedlin, H., Stefanick, M. L., Chertow, G. M., Manson, J. E., Allison, M., Franceschini, N., Shadyab, A. H., Saquib, N., Rhee, J. J., Bress, A. P., Maron, et al

  2026

- **Individual Participant Data Meta-Analysis (IPDMA) of long-term COVID-19 outcomes in a systematic review-informed, international, multidisciplinary database.** *Health and social care delivery research*

  Ali, M., Brady, M. C., Campbell, P., Rooney, S., Williams, L., Paul, L., Mason, H., Manoukian, S., Chung, C., Barber, M., McGoldrick, C., Smith, A., Basu, et al

  2026; 14 (29): 1-160

- **Systems Immunology of Long Covid: Insights from the STOP-PASC Clinical Trial**

  Maestri, E., Kwon, W., Zheng, H., Prestwood, T., Hedlin, H., Liang, J., McCann, H., Jones, B., Lu, R., Wiley, G., Haraguchi, E., Wirz, O., Afaghani, et al

  OXFORD UNIV PRESS.2026

- **Immunogenicity and reactogenicity of fractional vs. full booster doses of COVID-19 vaccines: A non-inferiority, randomized, double-blind, phase IV clinical trial in Pakistan.** *Vaccine*

Hussain, H. S., Yousafzai, M. T., Iqbal, J., Aslam, Z. M., Irum Fatima, M. S., Kehkashan Begum, M. S., Rabia Zuberi, M. S., Farheen Aftab, M. S., Mujahid, W., Irfan Ghaffar, M. S., Afshan Piyarali, M. S., Miqdad Ali, M. S., Charu, et al

2026; 88: 128918

- **Poverty and Social Deprivation in Patients With Pulmonary Arterial Hypertension-A PHAR Analysis.** *Pulmonary circulation*

  Bernardo, R. J., Lu, D., Hedlin, H., Grinnan, D., Machado, R. F., Melendres-Groves, L., Elwing, J. M., Sahay, S., Kawut, S. M., Robinson, J. C., de Jesus Perez, V. A., Zamanian, R. T.

  2026; 16 (3): e70373

- **Individual patient data meta-analysis and systematic review evaluating camostat mesilate to treat COVID-19.** *Journal of clinical and translational science*

  Hedlin, H., Tobback, E., Lee, J., Wang, Y., Dragoni, I., Anthony, D. C., Dhaliwal, K., Norrie, J., Halford, S., Gotes, J., Moctezuma, M., Olivas-Martinez, A., Khosla, et al

  2026; 10 (1): e110

- **EARLY WARNING SCORE PERFORMANCE IN PREDICTING FUTURE ORGAN SUPPORT NEEDS AT THE TIME OF ED ADMISSION**

  Chiacchia, S., Deng, Y., Gordon, A., Hedlin, H., Htet, N., Levin, N., Mishra, A., Wilson, J.

  LIPPINCOTT WILLIAMS & WILKINS.2026

- **Early Warning Score Performance at Time of Admission in the Prediction of Future Organ Support Needs.** *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*

  Chiacchia, S. R., Levin, N. M., Mishra, A., Deng, Y., Gordon, A. J., Htet, N., Hedlin, H., Wilson, J. G.

  2025

- **Digital Strategies for Recruitment to Improve Diversity and Inclusion in Prospective Cardiovascular Clinical Research.** *Cardiology and therapy*

  Jain, S. S., Rodriguez, F., Perez, M. V., Yu, J., Shashidhar, S., Swope, S., Nguyen, K., Desai, M., Hedlin, H., Shah, S. H., Hernandez, A. F., Turakhia, M. P., Mahaffey, et al

  2025

- **Longitudinal Patient-Reported Outcome Trajectories in Long COVID: Findings From the STOP-PASC Clinical Trial.** *Open forum infectious diseases*

  Jagannathan, P., Hedlin, H., Liang, J. W., Shaw, B., Maestri, E., Lin, M., Utz, P. J., Singh, U., Geng, L. N., Bonilla, H.

  2025; 12 (10): ofaf634

- **Testing the efficacy and mechanisms of an SMS intervention focused on motivating peer network support to reduce alcohol consumption in non-collegiate young adults: Protocol for a randomized trial.** *Contemporary clinical trials*

  Suffoletto, B., Mason, M., Lee, C. M., Hedlin, H.

  2025: 108070

- **Racial and Ethnic Representation and Study Engagement in a Siteless Digital Clinical Trial Using a Smartwatch: Findings From the Apple Heart Study.** *Mayo Clinic proceedings. Digital health*

  Nguyen, K. T., Yu, J., Hedlin, H., Phillips, A. T., Desai, S., Cheung, L., Kowey, P. R., Jain, S. S., Rumsfeld, J. S., Russo, A. M., Granger, C. B., Hills, M. T., Desai, et al

  2025; 3 (3): 100232

- **Obesity, demographic, and lifestyle risk factor patterns associated with endometrial cancer diagnosis and survival: insights from the Women's Health Initiative** *EUROPEAN JOURNAL OF GYNAECOLOGICAL ONCOLOGY*

  Somasegar, S., Hedlin, H., Kurian, A. W., Kroenke, C., Dorigo, O., Stefanick, M. L.

  2025; 46 (8): 11-25

- **Digital Biometric Measures in Long COVID: A Secondary Analysis of the STOP-PASC Randomized Clinical Trial.** *JAMA network open*

  Gunturkun, F., Hedlin, H., Botzheim, B., Deng, Y., Bonilla, H., Jagannathan, P., Quach, T. C., Kim, S., Lin, M., O'Riordan, G., Tzeng, H., Adamowicz, L., Demanuele, et al

  2025; 8 (8): e2526901

- **Antispike IgG antibody decay after immunisation with fractional versus full booster doses of COVID-19 vaccines: a 6-month longitudinal analysis of the FRACT-COV trial in Brazil.** *BMJ public health*

  Barros Verruck, J., Moreira Puga, M. A., de Oliveira, R. D., Vieira da Silva, P., Charu, V., Hedlin, H., Lu, D., Zhang, A., Ritter, V., Shaw, B., Rosser, J. I., Seidman, J. C., Carter, et al

  2025; 3 (2): e002331

- **Randomised, placebo-controlled trial of oral hymecromone in adults with pulmonary hypertension.** *Thorax*
  Czepiel, K., Nagy, N., Panjalingam, T., Kalinowski, A., Frymoyer, A. R., Karmouty-Quintana, H., Gu, B., Hedlin, H., Kaber, G., Dobrota Lai, S., Rosser, J. I., Bollyky, P. L., de Jesus Perez, et al
  2025
- **Intimate Partner Violence Among Foreign Born Women: A Cross-Sectional Analysis of the National Intimate Partner and Sexual Violence Survey (2010)** *JOURNAL OF FAMILY VIOLENCE*
  Newberry, J. A., Garabedian, A., Qin, F., Gimenez, M. A., Anurudran, A. S., Hedlin, H., Strehlow, M. C.
  2025
- **Immunogenicity and reactogenicity of fractional vs. full booster doses of COVID-19 vaccines: a non-inferiority, randomised, double-blind, phase IV clinical trial in Brazil.** *Lancet regional health. Americas*
  Moreira Puga, M. A., Dias de Oliveira, R., Vieira da Silva, P., Charu, V., Hedlin, H., Lu, D., Zhang, A., Shaw, B., Rosser, J. I., Seidman, J. C., Carter, A. S., Qamar, F. N., Luby, et al
  2025; 44: 101031
- **Developing Benchmarks in the Diagnosis and Treatment of Pulmonary Arterial Hypertension in a Tertiary, Academic Medical Center.** *Pulmonary circulation*
  Kholdani, C. A., Lee, J. H., Swenson, K. E., Liu, J., Hsi, A., Kudelko, K. T., Sweatt, A. J., Spiekerkoetter, E. F., De Jesus Perez, V., Rigdon, J., Hedlin, H., Andruska, A. M., Lyn, et al
  2025; 15 (1): e70063
- **Mental health care-seeking and barriers: a cross-sectional study of an urban Latinx community.** *BMC public health*
  Newberry, J. A., Gimenez, M. A., Gunturkun, F., Villa, E., Maldonado, M., Gonzalez, D., Garcia, G., Espinosa, P. R., Hedlin, H., Kaysen, D.
  2024; 24 (1): 3091
- **Mitigating Alarm Fatigue and Improving the Bedside Experience by Reducing Non-actionable Alarms.** *The Journal of pediatrics*
  Yang, J. K., Su, F., Graber-Naidich, A., Hedlin, H., Madsen, N., DeSousa, C., Feehan, S., Graves, A., Palmquist, A., Cable, R., Kipps, A. K.
  2024: 114278
- **Safety, Feasibility, and Utility of Digital Mobile Six-Minute Walk Testing in Pulmonary Arterial Hypertension: The DynAMITE Study.** *medRxiv : the preprint server for health sciences*
  Schütz, N., Glinskii, V., Anderson, R., Del Rosario, P., Hedlin, H., Lee, J., Hess, J., Van Wormer, S., Lopez, A., Hershman, S. G., De Jesus Perez, V., Zamanian, R. T.
  2024
- **Nirmatrelvir-Ritonavir and Symptoms in Adults With Postacute Sequelae of SARS-CoV-2 Infection: The STOP-PASC Randomized Clinical Trial.** *JAMA internal medicine*
  Geng, L. N., Bonilla, H., Hedlin, H., Jacobson, K. B., Tian, L., Jagannathan, P., Yang, P. C., Subramanian, A. K., Liang, J. W., Shen, S., Deng, Y., Shaw, B. J., Botzheim, et al
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- **Association between non-melanoma skin cancer and risk of fractures.** *Skin health and disease*
  Mittal, V., Anderson, E. M., Kwon, G. P., Stefanick, M. L., Ransohoff, K. J., Hedlin, H. K., Wactascki-Wende, J., Wysong, A. S., Tang, J. Y.
  2024; 4 (1): e309
- **Clinical evaluation of code-based algorithms to identify patients with pulmonary arterial hypertension in healthcare databases.** *Pulmonary circulation*
  Didden, E. M., Lu, D., Hsi, A., Brand, M., Hedlin, H., Zamanian, R. T.
  2024; 14 (1): e12333
- **Sleep Characteristics are Associated with Risk of Treated Diabetes Among Postmenopausal Women.** *The American journal of medicine*
  LeBlanc, E. S., Zhang, S., Hedlin, H., Clarke, G., Smith, N., Garcia, L., Hale, L., Hery, C. B., Liu, S., Ochs-Balcom, H., Phillips, L., Shadyab, A. H., Stefanick, et al
  2023
- **Intravenous Calcium to Decrease Blood Loss During Intrapartum Cesarean Delivery: A Randomized Controlled Trial.** *Obstetrics and gynecology*
  Ansari, J. R., Yarmosh, A., Michel, G., Lyell, D., Hedlin, H., Cornfield, D. N., Carvalho, B., Bateman, B. T.
  2023

- **Case validation in electronic health records linked with a disease-specific clinical database: Use case in pulmonary arterial hypertension**
  Didden, E., Lu, D., Hedlin, H., Hsi, A., Brand, M., Zamanian, R. T.
  WILEY.2023: 59-60

- **The evolving role of data & safety monitoring boards for real-world clinical trials.** *Journal of clinical and translational science*
  Bunning, B. J., Hedlin, H., Chen, J. H., Ciolino, J. D., Ferstad, J. O., Fox, E., Garcia, A., Go, A., Johari, R., Lee, J., Maahs, D. M., Mahaffey, K. W., Opsahl-Ong, et al
  2023; 7 (1): e179

- **The evolving role of data & amp; safety monitoring boards for real-world clinical trials** *JOURNAL OF CLINICAL AND TRANSLATIONAL SCIENCE*
  Bunning, B. J., Hedlin, H., Chen, J. H., Ciolino, J. D., Ferstad, J., Fox, E., Garcia, A., Go, A., Johari, R., Lee, J., Maahs, D. M., Mahaffey, K. W., Opsahl-Ong, et al
  2023; 7 (1)

- **Quantifying structural racism in cohort studies to advance prospective evidence.** *SSM - population health*
  Follis, S., Breathett, K., Garcia, L., Jimenez, M., Cené, C. W., Whitsel, E., Hedlin, H., Paskett, E. D., Zhang, S., Thomson, C. A., Stefanick, M. L.
  2023; 22: 101417

- **Evaluation of acebilustat, a selective inhibitor of leukotriene B4 biosynthesis, for treatment of outpatients with mild-moderate COVID-19 disease: A randomized, double-blind, placebo- controlled Phase 2 trial.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
  Levitt, J. E., Hedlin, H., Duong, S., Lu, D., Lee, J., Bunning, B., Elkarra, N., Pinsky, B. A., Heffernan, E., Springman, E., Moss, R. B., Bonilla, H. F., Parsonnet, et al
  2023

- **The development of a mobile app-focused deduplication strategy for the Apple Heart Study that informs recommendations for future digital trials.** *Stat (International Statistical Institute)*
  Garcia, A., Lee, J., Balasubramanian, V., Gardner, R., Gummidipundi, S. E., Hung, G., Ferris, T., Cheung, L., Desai, S., Granger, C. B., Hills, M. T., Kowey, P., Nag, et al
  2022; 11 (1): e470

- **Effectiveness of a Community-Based Structured Physical Activity Program for Adults With Type 2 Diabetes: A Randomized Clinical Trial.** *JAMA network open*
  Mukherji, A. B., Lu, D., Qin, F., Hedlin, H., Johannsen, N. M., Chung, S., Kobayashi, Y., Haddad, F., Lamendola, C., Basina, M., Talamoa, R., Myers, J., Palaniappan, et al
  2022; 5 (12): e2247858

- **Contemplative Practices Behavior Is Positively Associated with Well-Being in Three Global Multi-Regional Stanford WELL for Life Cohorts.** *International journal of environmental research and public health*
  Rich, T., Chrisinger, B. W., Kaimal, R., Winter, S. J., Hedlin, H., Min, Y., Zhao, X., Zhu, S., You, S. L., Sun, C. A., Lin, J. T., Hsing, A. W., Heaney, et al
  2022; 19 (20)

- **Early immune markers of clinical, virological, and immunological outcomes in patients with COVID-19: a multi-omics study.** *eLife*
  Hu, Z., van der Ploeg, K., Chakraborty, S., Arunachalam, P. S., Mori, D. A., Jacobson, K. B., Bonilla, H., Parsonnet, J., Andrews, J. R., Holubar, M., Subramanian, A., Khosla, C., Maldonado, et al
  2022; 11

- **Lessons learned in the Apple Heart Study and implications for the data management of future digital clinical trials.** *Journal of biopharmaceutical statistics*
  Garcia, A., Balasubramanian, V., Lee, J., Gardner, R., Gummidipundi, S., Hung, G., Ferris, T., Cheung, L., Granger, C., Kowey, P., Rumsfeld, J., Russo, A., Hills, et al
  2022: 1-15

- **Modifiable Resources and Resilience in Racially and Ethnically Diverse Older Women: Implications for Health Outcomes and Interventions.** *International journal of environmental research and public health*
  Springfield, S., Qin, F., Hedlin, H., Eaton, C. B., Rosal, M. C., Taylor, H., Staudinger, U. M., Stefanick, M. L.
  2022; 19 (12)

- **Favipiravir for treatment of outpatients with asymptomatic or uncomplicated COVID-19: a double-blind randomized, placebo-controlled, phase 2 trial.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*

Holubar, M., Subramanian, A., Purington, N., Hedlin, H., Bunning, B., Walter, K. S., Bonilla, H., Boumis, A., Chen, M., Clinton, K., Dewhurst, L., Epstein, C., Jagannathan, et al

2022

- **Gastrointestinal symptoms and fecal shedding of SARS-CoV-2 RNA suggest prolonged gastrointestinal infection.** *Med (New York, N.Y.)*

  Natarajan, A., Zlitni, S., Brooks, E. F., Vance, S. E., Dahlen, A., Hedlin, H., Park, R. M., Han, A., Schmidtke, D. T., Verma, R., Jacobson, K. B., Parsonnet, J., Bonilla, et al

  2022

- **Early immune responses have long-term associations with clinical, virologic, and immunologic outcomes in patients with COVID-19.** *Research square*

  Hu, Z., van der Ploeg, K., Chakraborty, S., Arunachalam, P., Mori, D., Jacobson, K., Bonilla, H., Parsonnet, J., Andrews, J., Hedlin, H., de la Parte, L., Dantzler, K., Ty, et al

  2022

- **Low-fat dietary pattern reduces urinary incontinence in postmenopausal women: post hoc analysis of the Women's Health Initiative Diet Modification Trial.** *AJOG global reports*

  Rogo-Gupta, L. J., Yang, L., Stefanick, M. L., Hedlin, H., Wallace, R., Woods, N., Breyer, B. N., Sorensen, M. D., Chen, B.

  2022; 2 (1): 100044

- **Hispanic Ethnicity and Social Determinants of Health in Pulmonary Arterial Hypertension: The Pulmonary Hypertension Association Registry.** *Annals of the American Thoracic Society*

  Bernardo, R. J., Lu, D., Ramirez, R. L., Hedlin, H., Kawut, S. M., Bull, T., De Marco, T., Ford, H. J., Grinnan, D., Klinger, J. R., McConnell, J. W., Berman-Rosenzweig, E., Shlobin, et al

  2022

- **Pregnancy success rates for lesbian women undergoing intrauterine insemination.** *F&S reports*

  Johal, J. K., Gardner, R. M., Vaughn, S. J., Jaswa, E. G., Hedlin, H., Aghajanova, L.

  2021; 2 (3): 275-281

- **DXA Versus Clinical Measures of Adiposity as Predictors of Cardiometabolic Diseases and All-Cause Mortality in Postmenopausal Women.** *Mayo Clinic proceedings*

  Laddu, D. R., Qin, F., Hedlin, H., Stefanick, M. L., Manson, J. E., Zaslavsky, O., Eaton, C., Martin, L. W., Rohan, T., Assimes, T. L.

  2021

- **The COVID-19 Outpatient Pragmatic Platform Study (COPPS): Study design of a multi-center pragmatic platform trial.** *Contemporary clinical trials*

  Bunning, B., Hedlin, H., Purington, N., Sundaram, V., Kapphahn, K., Weng, Y., Cunanan, K., Maldonado, Y., Singh, U., Khosla, C., O'Hara, R., Nicolls, M., Springman, et al

  2021: 106509

- **A fructo-oligosaccharide prebiotic is well-tolerated in adults undergoing allogeneic hematopoietic stem cell transplantation: a phase I dose-escalation trial.** *Transplantation and cellular therapy*

  Andermann, T. M., Fouladi, F., Tamburini, F. B., Sahaf, B., Tkachenko, E., Greene, C., Buckley, M. T., Brooks, E. F., Hedlin, H., Arai, S., Mackall, C. L., Miklos, D., Negrin, et al

  2021

- **The ARREST Pneumonia (Arrest Respiratory Failure due to Pneumonia) Trial: Rationale and Design.** *Annals of the American Thoracic Society*

  Levitt, J. E., Festic, E., Desai, M., Hedlin, H., Mahaffey, K. W., Rogers, A. J., Gajic, O., Matthay, M. A., ARREST Pneumonia Clinical Trial Investigators

  2021

- **Clinical trials in a COVID-19 pandemic: Shared infrastructure for continuous learning in a rapidly changing landscape.** *Clinical trials (London, England)*

  Hedlin, H. n., Garcia, A. n., Weng, Y. n., He, Z. n., Sundaram, V. n., Bunning, B. n., Balasubramanian, V. n., Cunanan, K. n., Kapphahn, K. n., Gummidipundi, S. n., Purington, N. n., Boulos, M. n., Desai, et al

  2021: 1740774520988298

- **Peginterferon Lambda-1a for treatment of outpatients with uncomplicated COVID-19: a randomized placebo-controlled trial.** *Nature communications*

  Jagannathan, P. n., Andrews, J. R., Bonilla, H. n., Hedlin, H. n., Jacobson, K. B., Balasubramanian, V. n., Purington, N. n., Kamble, S. n., de Vries, C. R., Quintero, O. n., Feng, K. n., Ley, C. n., Winslow, et al

2021; 12 (1): 1967

- **Prescription Patterns for Pulmonary Vasodilators in the Treatment of Pulmonary Hypertension Associated With Chronic Lung Diseases: Insights From a Clinician Survey.** *Frontiers in medicine*
  Thomas, C. A., Lee, J., Bernardo, R. J., Anderson, R. J., Glinskii, V., Sung, Y. K., Kudelko, K., Hedlin, H., Sweatt, A., Kawut, S. M., Raj, R., Zamanian, R. T., de Jesus Perez, et al
  1800; 8: 764815

- **Arrhythmias Other Than Atrial Fibrillation in Those With an Irregular Pulse Detected With a Smartwatch: Findings From the Apple Heart Study.** *Circulation. Arrhythmia and electrophysiology*
  Perino, A. C., Gummidipundi, S. E., Lee, J., Hedlin, H., Garcia, A., Ferris, T., Balasubramanian, V., Gardner, R. M., Cheung, L., Hung, G., Granger, C. B., Kowey, P., Rumsfeld, et al
  2021: CIRCEP121010063

- **Inflammatory but not respiratory symptoms are associated with ongoing upper airway viral shedding in outpatients with uncomplicated COVID-19.** *Diagnostic microbiology and infectious disease*
  Jacobson, K. B., Purington, N., Parsonnet, J., Andrews, J., Balasubramanian, V., Bonilla, H., Edwards, K., Desai, M., Singh, U., Hedlin, H., Jagannathan, P.
  2021; 102 (3): 115612

- **Peginterferon Lambda-1a for treatment of outpatients with uncomplicated COVID-19: a randomized placebo-controlled trial.** *Nature communications*
  Jagannathan, P. n., Andrews, J. R., Bonilla, H. n., Hedlin, H. n., Jacobson, K. B., Balasubramanian, V. n., Purington, N. n., Kamble, S. n., de Vries, C. R., Quintero, O. n., Feng, K. n., Ley, C. n., Winslow, et al
  2021; 12 (1): 1967

- **Reproductive history and osteoarthritis in the Women's Health Initiative.** *Scandinavian journal of rheumatology*
  Wang, A., Zawadzki, N., Hedlin, H., LeBlanc, E., Budrys, N., Van Horn, L., Gass, M., Westphal, L., Stefanick, M. L.
  2020: 1–10

- **Resilience and CVD-protective Health Behaviors in Older Women: Examining Racial and Ethnic Differences in a Cross-Sectional Analysis of the Women's Health Initiative.** *Nutrients*
  Springfield, S., Qin, F., Hedlin, H., Eaton, C. B., Rosal, M. C., Taylor, H., Staudinger, U. M., Stefanick, M. L.
  2020; 12 (7)

- **Comparing enhanced versus standard Diabetes Prevention Program among indigenous adults in an urban setting: a randomized controlled trial.** *BMC public health*
  Rosas, L. G., Vasquez, J. J., Hedlin, H. K., Qin, F. F., Lv, N. n., Xiao, L. n., Kendrick, A. n., Atencio, D. n., Stafford, R. S.
  2020; 20 (1): 139

- **Organizational Characteristics Associated With ICU Liberation (ABCDEF) Bundle Implementation by Adult ICUs in Michigan.** *Critical care explorations*
  Barr, J. n., Ghaferi, A. A., Costa, D. K., Hedlin, H. K., Ding, V. Y., Ross, C. n., Pun, B. T., Watson, S. R., Asch, S. M.
  2020; 2 (8): e0169

- **The EffectiveNess of LIfestyle with Diet and Physical Activity Education ProGram Among Prehypertensives and Stage 1 HyperTENsives in an Urban Community Setting (ENLIGHTEN) Study.** *Journal of community health*
  Gabiola, J., Morales, D., Quizon, O., Cadiz, R. I., Feliciano, K., Ruiz, R. L., Aguatis, C. J., Mararac, T., Rojina, J., Garcia, A., Hedlin, H., Cullen, M., Palaniappan, et al
  2019

- **CONTAMINATION IN ADULT MIDSTREAM CLEAN-CATCH URINE CULTURES IN THE EMERGENCY DEPARTMENT: A RANDOMIZED CONTROLLED TRIAL** *JOURNAL OF EMERGENCY NURSING*
  Lough, M. E., Shradar, E., Hsieh, C., Hedlin, H.
  2019; 45 (5): 488–501

- **Multiple listing in lung transplant candidates: A cohort study** *AMERICAN JOURNAL OF TRANSPLANTATION*
  Mooney, J. J., Yang, L., Hedlin, H., Mohabir, P., Dhillon, G. S.
  2019; 19 (4): 1098–1108

- **Discovery of Distinct Immune Phenotypes Using Machine Learning in Pulmonary Arterial Hypertension** *CIRCULATION RESEARCH*

Sweatt, A. J., Hedlin, H. K., Balasubramanian, V., Hsi, A., Blum, L. K., Robinson, W. H., Haddad, F., Hickey, P. M., Condliffe, R., Lawrie, A., Nicolls, M. R., Rabinovitch, M., Khatri, et al
2019; 124 (6): 904–19

- **Fibrinogen Concentrate as an Alternative to Cryoprecipitate in a Postcardiopulmonary Transfusion Algorithm in Infants Undergoing Cardiac Surgery: A Prospective Randomized Controlled Trial.** *Anesthesia and analgesia*
  Downey, L. A., Andrews, J. n., Hedlin, H. n., Kamra, K. n., McKenzie, E. D., Hanley, F. L., Williams, G. D., Guzzetta, N. A.
  2019
- **Development of a comprehensive health-risk prediction tool for postmenopausal women.** *Menopause (New York, N.Y.)*
  Hedlin, H. n., Weitlauf, J. n., Crandall, C. J., Nassir, R. n., Cauley, J. A., Garcia, L. n., Brunner, R. n., Robinson, J. n., Stefanick, M. L., Robbins, J. n.
  2019
- **Large-Scale Assessment of a Smartwatch to Identify Atrial Fibrillation.** *The New England journal of medicine*
  Perez, M. V., Mahaffey, K. W., Hedlin, H., Rumsfeld, J. S., Garcia, A., Ferris, T., Balasubramanian, V., Russo, A. M., Rajmane, A., Cheung, L., Hung, G., Lee, J., Kowey, et al
  2019; 381 (20): 1909–17
- **Discovery of Distinct Immune Phenotypes Using Machine Learning in Pulmonary Arterial Hypertension.** *Circulation research*
  Sweatt, A. J., Hedlin, H. K., Balasubramanian, V. n., Hsi, A. n., Blum, L. K., Robinson, W. H., Haddad, F. n., Hickey, P. M., Condliffe, R. A., Lawrie, A. n., Nicolls, M. R., Rabinovitch, M. n., Khatri, et al
  2019
- **Rationale and design of a large-scale, app-based study to identify cardiac arrhythmias using a smartwatch: The Apple Heart Study** *AMERICAN HEART JOURNAL*
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