

Asst. Prof. TUĞBA AKKAYA HOCAGİL

Personal Information

Office Phone: [+90 312 595 8175](tel:+903125958175)

Email: tahocagil@ankara.edu.tr

Web: <https://avesis.ankara.edu.tr/tahocagil>

International Researcher IDs

ScholarID: _S6kD2UAAAAJ

ORCID: 0000-0003-3603-4491

ScopusID: 56479186500

Yoksis Researcher ID: 394316

Education Information

Post Doctorate, University of Waterloo, Canada 2019 - 2022

Post Doctorate, Harvard University, Harvard School of Public Health, United States Of America 2018 - 2019

Doctorate, State University of New York at Albany, United States Of America 2011 - 2017

Postgraduate, University of Massachusetts Amherst, United States Of America 2009 - 2011

Undergraduate, Ege University, Turkey 2001 - 2006

Research Areas

Health Sciences, Natural Sciences

Courses

Sampling and Experimental Design, Undergraduate, 2022 - 2023

Analysis of Categorical Data, Postgraduate, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Genetic admixture predictors of fetal alcohol spectrum disorders (FASD) in a South African population**
Carter R. C., Yang Z., AKKAYA HOCAGİL T., Jacobson S. W., Jacobson J. L., Dodge N. C., Hoyme H. E., Zeisel S. H., Meintjes E. M., Kizil C., et al.
Gene, vol.931, 2024 (SCI-Expanded)
- II. **Semi-parametric benchmark dose analysis with monotone additive models**
Stringer A., AKKAYA HOCAGİL T., Cook R. J., Ryan L. M., Jacobson S. W., Jacobson J. L.
Biometrics, vol.80, no.3, 2024 (SCI-Expanded)
- III. **Benchmark dose profiles for bivariate exposures.**
Akkaya Hocagil T., Ryan L. M., Cook R. J., Dang K., Carter R. C., Richardson G. A., Day N. L., Coles C. D., Carmichael Olson H., Jacobson S. W., et al.
Risk analysis : an official publication of the Society for Risk Analysis, 2024 (SCI-Expanded)
- IV. **A computationally efficient sequential regression imputation algorithm for multilevel data**

Akkaya Hocagil T., Yucel R. M.

Journal of Applied Statistics, vol.51, no.11, pp.2258-2278, 2024 (SCI-Expanded)

- V. **Bayesian modelling of effects of prenatal alcohol exposure on child cognition based on data from multiple cohorts**
Dang K., Ryan L. M., Hocagil T., Cook R. J., Richardson G. A., Day N. L., Coles C. D., Olson H. C., Jacobson S. W., Jacobson J. L.
AUSTRALIAN & NEW ZEALAND JOURNAL OF STATISTICS, vol.65, no.3, pp.167-186, 2023 (SCI-Expanded)
- VI. **Comparison of examination techniques of anterior and posterior compartments of the leg for the diagnosis of deep vein thrombosis: A new examination technique**
Hocagil A. C., Hocagil H., Coskun Sungur E., Yardimci Yar N., Akkaya Hocagil T.
VASCULAR, vol.31, no.3, pp.526-532, 2023 (SCI-Expanded)
- VII. **Electrical properties are strong predictors of post-yield mechanical properties of human cortical bone**
Unal M., Akkaya-Hocagil T.
JOURNAL OF BONE AND MINERAL RESEARCH, pp.116, 2023 (SCI-Expanded)
- VIII. **Bayesian outcome selection modeling**
Dang K., Ryan L. M., Cook R. J., Akkaya Hocagil T., Jacobson S. W., Jacobson J. L.
STAT, no.1, 2023 (SCI-Expanded)
- IX. **A hierarchical meta-analysis for settings involving multiple outcomes across multiple cohorts**
Akkaya Hocagil T., Ryan L. M., Cook R. J., Jacobson S. W., Richardson G. A., Day N. L., Coles C. D., Carmichael Olson H., Jacobson J. L.
STAT, vol.11, no.1, 2022 (SCI-Expanded)
- X. **Meta-analysis: Methods for health and experimental studies**
Akkaya-Hocagil T.
BIOMETRICS, no.1, pp.414, 2022 (SCI-Expanded)
- XI. **Propensity score analysis for a semi-continuous exposure variable: a study of gestational alcohol exposure and childhood cognition**
Hocagil T., Cook R. J., Jacobson S. W., Jacobson J. L., Ryan L. M.
JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES A-STATISTICS IN SOCIETY, vol.184, no.4, pp.1390-1413, 2021 (SCI-Expanded)
- XII. **Effects of prenatal alcohol exposure on cognitive and behavioral development: Findings from a hierarchical meta-analysis of data from six prospective longitudinal US cohorts**
Jacobson J. L., Akkaya-Hocagil T., Ryan L. M., Dodge N. C., Richardson G. A., Olson H. C., Coles C. D., Day N. L., Cook R. J., Jacobson S. W.
ALCOHOL-CLINICAL AND EXPERIMENTAL RESEARCH, vol.45, no.10, pp.2040-2058, 2021 (SCI-Expanded)
- XIII. **A Multicomponent Approach to Evaluating a Pre-exposure Prophylaxis (PrEP) Implementation Program in Five Agencies in New York**
Parisi D., Warren B., Leung S. J., Akkaya-Hocagil T., Qin Q., Hahn I., Stevens L.
JANAC-JOURNAL OF THE ASSOCIATION OF NURSES IN AIDS CARE, vol.29, no.1, pp.10-19, 2018 (SCI-Expanded)
- XIV. **Utility of Capture-Recapture Methodology to Estimate Prevalence of Congenital Heart Defects Among Adolescents in 11 New York State Counties: 2008 to 2010**
Akkaya-Hocagil T., Hsu W., Sommerhalter K., McGarry C., Van Zutphen A.
BIRTH DEFECTS RESEARCH, vol.109, no.18, pp.1423-1429, 2017 (SCI-Expanded)
- XV. **Proximity to Pediatric Cardiac Surgical Care among Adolescents with Congenital Heart Defects in 11 New York Counties**
Sommerhalter K. M., Insaf T. Z., Akkaya-Hocagil T., McGarry C. E., Farr S. L., Downing K. F., Lui G. K., Zaidi A. N., Van Zutphen A. R.
BIRTH DEFECTS RESEARCH, vol.109, no.18, pp.1494-1503, 2017 (SCI-Expanded)
- XVI. **İleriye yönelik bir çalışma: Taşınabilir micropower impulse radar teknolojisi (Pneumoscan) pnömotoraks tanısında umut veren bir metot mudur?**
Hocagil H., HOCAGIL A. C., KARACABEY S., AKKAYA T., ŞİMŞEK G., SANRI E.

Ulusal Travma ve Acil Cerrahi Dergisi, vol.21, no.5, pp.344-351, 2015 (SCI-Expanded)

- XVII. **Routine HIV Testing Capacity, Practices, and Perceptions Among School-Based Health Center Providers in New York State After Enactment of the 2010 Amended HIV Testing Law**
Ortega-Peluso C., Akkaya-Hocagil T., Leung S. J., Rowe K. A., Zielinski M., Tallon T., Smith L. C.
JAIDS-JOURNAL OF ACQUIRED IMMUNE DEFICIENCY SYNDROMES, vol.68, 2015 (SCI-Expanded)
- XVIII. **Correlates of Routine HIV Testing Practices: A Survey of New York State Primary Care Physicians, 2011**
Zielinski M., Leung S. J., Akkaya-Hocagil T., Rowe K. A., Ortega-Peluso C., Smith L. C.
JAIDS-JOURNAL OF ACQUIRED IMMUNE DEFICIENCY SYNDROMES, vol.68, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **Use of Generalized Propensity Scores for Assessing Effects of Multiple Exposures**
Li K., Akkaya-Hocagil T., Cook R. J., Ryan L. M., Carter R. C., Dang K., Jacobson J. L., Jacobson S. W.
STATISTICS IN BIOSCIENCES, vol.16, no.2, pp.347-376, 2024 (ESCI)
- II. **A dose-response analysis of the effects of prenatal alcohol exposure on cognitive development.**
Jacobson J. L., Akkaya Hocagil T., Jacobson S. W., Coles C. D., Richardson G. A., Olson H. C., Day N. L., Carter R. C., Dodge N. C., Dang K., et al.
Alcohol, clinical & experimental research, vol.48, no.4, pp.623-639, 2024 (Scopus)
- III. **Meta-analysis on studies with heterogeneous and partially observed covariates.**
Akkaya Hocagil T., Hwang H., Jacobson J. L., Jacobson S. W., Ryan L. M.
JBI evidence synthesis, vol.22, no.3, pp.413-433, 2024 (ESCI)
- IV. **Detection of rhabdomyolysis in patients admitted to emergency department due to drug overdose as a suicide attempt: A prospective original clinical study İntihar Amaçlı İlaç Alimi Nedeni ile Acil Servise Başvuran Hastalarda Rabdomiyolizin Araştırılması: Prospektif Orijinal Klinik çalışma**
Hocagil H., Izci F., Hocagil A. C., Tatli M., Sözen S., Akkaya Hocagil T.
Turkiye Klinikleri Journal of Medical Sciences, vol.39, no.3, pp.237-244, 2019 (Scopus)
- V. **The Knowledge Levels of Emergency Physicians: Whom to Care About? Physicians or Patients?**
HOCAGİL A. C., Hocagil H., AKKAYA T.
Eurasian Journal of Emergency Medicine, vol.13, no.4, pp.187-193, 2014 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Benchmark dose profiles for bivariate exposures**
Akkaya Hocagil T., Ryan L., Cook R., Jacobson S., Jacobson J.
26th International Conference on Computational Statistics, Giessen, Germany, 27 - 30 August 2024, pp.1
- II. **Benchmark dose contours for bivariate exposures via generalized additive models**
Akkaya Hocagil T., Cook R., Carter C., Jacobson S., Jacobson J., Ryan L.
ENAR Spring Meeting 2023, Tennessee, United States Of America, 19 - 23 March 2023, pp.5-6
- III. **Propensity score analysis for a semi-continuous exposure variable: a study of gestational alcohol exposure and childhood cognition**
Akkaya Hocagil T., Cook R., Jacobson S., Jacobson J., Ryan L.
Canadian Society for Epidemiology and Biostatistics, Toronto, Canada, 1 - 03 June 2021, pp.7
- IV. **Handling missing and mis-specified covariates in an epidemiological cohort study**
Akkaya Hocagil T., Ryan L., Jacobson S., Jacobson J.
International Society of Clinical Biostatistics, Melbourne, Australia, 26 - 30 August 2019, pp.1
- V. **Multiple Imputation Inference for Ordinal Clustered Data Using the Computationally Efficient Sequential Regression Imputation Method**
Akkaya Hocagil T., Yucel R.

Supported Projects

Akkaya Hocagil T., Dang K., Jacobson J. L., Carter R. C., Jacobson S. W., Ryan L. M., Cook R. J., Other International Funding Programs, The development and application of innovative biostatistical methodology for the study of prenatal alcohol exposure and its effect on cognitive and behavioural deficits in children, 2023 - 2026

Memberships / Tasks in Scientific Organizations

The International Statistical Institute, Member, 2024 - Continues, Netherlands
International Biometric Society, Member, 2018 - Continues, United States Of America

Scientific Refereeing

Turkish Journal of Physical Medicine and Rehabilitation, National Scientific Refreed Journal, September 2024
JBI evidence synthesis, Journal Indexed in ESCI, January 2023
RESEARCH SYNTHESIS METHODS, Journal Indexed in SCI-E, March 2022
STATISTICS IN MEDICINE, Journal Indexed in SCI-E, February 2021

Metrics

Publication: 28
Citation (WoS): 90
Citation (Scopus): 98
H-Index (WoS): 5
H-Index (Scopus): 5

Invited Talks

Handling missing and misspecified covariates in the Detroit longitudinal cohort study , Seminar, University of Technology Sydney, Australia, September 2018

Awards

Akkaya Hocagil T., The Canadian Society of Epidemiology & Biostatistics Highest Ranking Abstract, Canadian Society For Biostatistics And Epidemiology, July 2021

Non Academic Experience

State Agency, New York State Department of Health, Bureau of Environmental and Occupational Health
State Agency, New York State Department of Health, AIDS Institute, Office of Program Evaluation and Research