



## Yair Bannett

Assistant Professor of Pediatrics (Developmental Behavioral Pediatrics)  
Developmental-Behavioral Pediatrics

### CLINICAL OFFICE (PRIMARY)

- **Pediatrics**

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### Bio

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#### BIO

Dr. Bannett completed his medical studies at Hebrew University in Israel, and completed pediatrics residency at Tel Aviv University, Asaf Harofeh Medical Center, in 2013. After practicing as a community-based primary care provider and developmental pediatrician in Israel, he came to Stanford in 2016 to complete a clinical fellowship in Developmental-Behavioral Pediatrics (DBP). In fellowship, he engaged in community-based health services research, under the mentorship of Dr. Lynne Huffman and Dr. Heidi Feldman. After fellowship, Dr. Bannett was selected to receive funding through the Department of Pediatrics "Bridge to K" program. In 2021, he completed a master's degree in Health Research and Policy at Stanford. In 2022, he received a career development award (K23) from the National Institute of Mental Health. Dr. Bannett is an assistant professor in the division of DBP and directs the Advanced Informatics for Mental Health Lab.

#### CLINICAL FOCUS

- Developmental Behavioral Pediatrics

#### ACADEMIC APPOINTMENTS

- Assistant Professor - University Medical Line, Developmental-Behavioral Pediatrics

#### HONORS AND AWARDS

- Career Development (K23) Award, National Institute of Mental Health (NIMH) (2022 - 2027)
- Bridge to K Instructor Support Program, Pediatrics Department, Stanford School of Medicine (2019 - 2022)
- Master's Tuition Program, Maternal & Child Health Research Institute, Stanford (2019 - 2021)
- Young Investigator Research Grant Award, Society for Developmental and Behavioral Pediatrics, USA (2018 - 2020)
- Charles B. Woodruff Endowed Fellow: Clinical Trainee Grant, Maternal & Child Health Research Institute, Stanford (2018 - 2019)

#### PROFESSIONAL EDUCATION

- Masters Degree, Stanford University, CA , Health Research and Policy (2021)
- Fellowship: Stanford University Developmental-Behavioral Pediatrics Fellowship (2019) CA

- Residency: Tel Aviv University, Asaf Harofe Medical Center (2013) Israel
- Internship: Rabin Medical Center Beilinson (2008) Israel
- Medical Education: Hebrew University Hadassah Medical School (2008) Israel

## LINKS

- Advanced Informatics for Mental Health Lab: <https://med.stanford.edu/ai-4-mental-health-lab.html>
- LinkedIn: <https://www.linkedin.com/in/yair-bannett-md-ms-444042323/>

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Yair Bannett, MD, MS, is a developmental-behavioral pediatrician and health services researcher interested in leveraging recent advances in AI technology to improve health care delivery in community-based primary care for children with developmental and mental health conditions. He seeks to develop reliable quality measures for assessing management of children with mental health conditions in primary care. Current projects include analysis of electronic health record (EHR) data, integrating natural language processing techniques and large language models, to accurately assess management of attention deficit hyperactivity disorder (ADHD). Dr. Bannett is passionate about using a team science approach, collaborating with data scientists and machine learning experts, to leverage AI technology to improve quality of care, with the ultimate goal of improving health care delivery and outcomes for children with developmental and mental health conditions.

## Publications

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### PUBLICATIONS

- **Time to Medication Initiation in School-age Children With ADHD in Developmental-Behavioral Pediatrics.** *Journal of developmental and behavioral pediatrics : JDBP*  
Kasinathan, S. S., Huffman, L. C., Luo, I., Bannett, Y.  
2026
- **Large Language Models Using Clinical Text in Pediatrics: A Scoping Review.** *JAMA network open*  
Huang, T., Tse, G., Pageler, N. M., Bannett, Y.  
2026; 9 (3): e262443
- **Holistic evaluation of large language models for medical tasks with MedHELM.** *Nature medicine*  
Bedi, S., Cui, H., Fuentes, M., Unell, A., Wornow, M., Banda, J. M., Kotecha, N., Keyes, T., Mai, Y., Oez, M., Qiu, H., Jain, S., Schettini, et al  
2026
- **Development and Feasibility Testing of the Project Standard (Structured Approach to Neurodevelopmental Care and Clinical Research Data) Approach to Documenting Developmental, Behavioral, and Functional Status**  
Barbarese, W., Aishworiya, R., Bannett, Y., Berg, J., Blum, N. J., Chong, S., Dall, M., Epstein, J. N., Fellingner, J., Froehlich, T. E., Hofer, J., Holzinger, D., Huang, et al  
LIPPINCOTT WILLIAMS & WILKINS.2026
- **Transparent AI-Powered Chart Review for Assessing Guideline-Concordant Treatment of Young Children With ADHD.**  
Bannett, Y., Pillai, M., Gunturkun, F., Luo, I., Huang, T., Feldman, H.  
LIPPINCOTT WILLIAMS & WILKINS.2026
- **Content and Complexity of New Patient Intake Questionnaires for Developmental-Behavioral Pediatrics Clinics in Project Standard (Structured Approach to Neurodevelopmental Clinical and Research Data).**  
Berg, J., Aishworiya, R., Bannett, Y., Barbarese, W., Blum, N. J., Chong, S., Clark, J., Dall, M., Epstein, J., Fellingner, J., Froehlich, T. E., Hofer, J., Holzinger, et al  
LIPPINCOTT WILLIAMS & WILKINS.2026
- **ADHD Diagnosis and Timing of Medication Initiation Among Children Aged 3 to 5 Years.** *JAMA network open*

Bannett, Y., Luo, I., Azuero-Dajud, R., Feldman, H. M., Brink, F. W., Froehlich, T. E., Harris, H. K., Kan, K., Wallis, K. E., Whelan, K., Spector, L., Forrest, C. B.

2025; 8 (8): e2529610

- **The Case for Structured Data in Developmental-Behavioral Pediatrics: Project STANDARD (Structured Approach to Neurodevelopmental Care and Clinical Research Data).** *Journal of developmental and behavioral pediatrics : JDBP*  
Barbarese, W., Bannett, Y., Blum, N. J., Chong, S. C., Clark, J., Dall, M., Epstein, J. N., Fellingner, J., Froehlich, T. E., Hofer, J., Holzinger, D., Huang, P., Kang, et al  
2025
- **Applying Large Language Models to Assess Quality of Care: Monitoring ADHD Medication Side Effects.** *Pediatrics*  
Bannett, Y., Gunturkun, F., Pillai, M., Herrmann, J. E., Luo, I., Huffman, L. C., Feldman, H. M.  
2025; 155 (1)
- **Natural Language Processing: Set to Transform Pediatric Research.** *Hospital pediatrics*  
Bannett, Y., Bassett, H. K., Morse, K. E.  
2024
- **Measuring quality-of-care in treatment of young children with attention-deficit/hyperactivity disorder using pre-trained language models.** *Journal of the American Medical Informatics Association : JAMIA*  
Pillai, M., Posada, J., Gardner, R. M., Hernandez-Boussard, T., Bannett, Y.  
2024
- **Primary Care Physician Identification of Developmental Delays in the COVID-19 Era: A Quantitative Review of Electronic Health Record Data**  
Frelinger, C., Bannett, Y., Gunturkun, F., Feldman, H. M., Huffman, L. C.  
LIPPINCOTT WILLIAMS & WILKINS.2024: E103-E104
- **Anxiety and Depression Treatment in Primary Care Pediatrics.** *Pediatrics*  
Lester, T. R., Herrmann, J. E., Bannett, Y., Gardner, R. M., Feldman, H. M., Huffman, L. C.  
2023
- **Detection of Speech-Language Delay in the Primary Care Setting: An Electronic Health Record Investigation.** *Journal of developmental and behavioral pediatrics : JDBP*  
Frelinger, C., Gardner, R. M., Huffman, L. C., Whitgob, E. E., Feldman, H. M., Bannett, Y.  
2023; 44 (3): e196-e203
- **Continuity of Care in Primary Care for Young Children with Chronic Conditions.** *Academic pediatrics*  
Bannett, Y., Gardner, R. M., Huffman, L. C., Feldman, H. M., Sanders, L. M.  
2022
- **Primary Care Diagnosis and Treatment of Attention-Deficit/Hyperactivity Disorder in School-Age Children: Trends and Disparities During the COVID-19 Pandemic.** *Journal of developmental and behavioral pediatrics : JDBP*  
Bannett, Y., Dahlen, A., Huffman, L. C., Feldman, H. M.  
2022
- **Behavioral Treatment Recommendation for Preschoolers with ADHD Symptoms: How Are Primary Care Pediatricians Doing?**  
Bannett, Y., Gardner, R. M., Posada, J. D., Huffman, L. C., Feldman, H. M.  
LIPPINCOTT WILLIAMS & WILKINS.2022: E123-E124
- **Medication Management of Anxiety and Depression by Primary Care Pediatrics Providers: A Retrospective Electronic Health Record Study.** *Frontiers in pediatrics*  
Lester, T. R., Bannett, Y., Gardner, R. M., Feldman, H. M., Huffman, L. C.  
2022; 10: 794722
- **Rate of Pediatrician Recommendations for Behavioral Treatment for Preschoolers With Attention-Deficit/Hyperactivity Disorder Diagnosis or Related Symptoms.** *JAMA pediatrics*  
Bannett, Y., Gardner, R. M., Posada, J., Huffman, L. C., Feldman, H. M.  
2021
- **Attention-Deficit/Hyperactivity Disorder in 2- to 5-Year-Olds: A Primary Care Network Experience.** *Academic pediatrics*

Bannett, Y. n., Feldman, H. M., Gardner, R. M., Blaha, O. n., Huffman, L. C.  
2020

- **Variation in Rate of Attention-Deficit/Hyperactivity Disorder Management by Primary Care Providers.** *Academic pediatrics*

Bannett, Y. n., Feldman, H. M., Bentley, J. P., Ansel, D. A., Wang, C. J., Huffman, L. C.  
2019

- **Amnesia for traumatic events among recent survivors: a pilot study.** *CNS spectrums*

Yovell, Y., Bannett, Y., Shalev, A. Y.  
2003; 8 (9): 676-80, 683-5