

Stanford



Korey Hood

Professor of Pediatrics (Endocrinology) and of Psychiatry and Behavioral Sciences at the Lucile Salter Packard Children's Hospital

Pediatrics - Endocrinology and Diabetes

 NIH Biosketch available Online

CLINICAL OFFICES

- **Pediatric Endocrinology**

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Bio

BIO

Dr. Hood directs NIH- and foundation-funded clinical research aimed at promoting health and quality of life outcomes for people with diabetes. He has expertise and experience with diabetes epidemiology and interventions, study design, methodology, data management, and advanced statistical methods. There are two content threads to his work: 1) construct prevention and treatment programs to address modifiable psychological and family factors that create barriers to optimal diabetes management, and 2) optimize the use of devices and technologies to improve health outcomes. With regard to the first thread, Dr. Hood has successfully implemented depression screening programs in tertiary diabetes and GI clinics within a Quality Improvement framework, and recently completed a large scale clinical trial on a distress prevention program for teens with type 1 diabetes. Dr. Hood manages and analyzes all the data from these studies. From a device and technology standpoint, Dr. Hood coordinates the Human Factors assessments in Drs. Maahs' and Buckingham's closed loop studies and is recognized as one of the experts in this area nationally and internationally. In addition, he has implemented Human Factors assessments in national (e.g., T1D Exchange) studies and registries and is the lead psychologist on 2 of the 4 UC4 grants from NIDDK (Hovorka, PI; Bergenstal, PI). These assessments focus on uptake of devices and technologies, and determining strategies to promote uptake and optimize their use. Dr. Hood and his research team have published over 100 scientific articles on these topics and are active presenters at diabetes, behavioral medicine, and advocacy conferences.

Dr. Hood also works in clinical and service settings. Dr. Hood is a licensed clinical psychologist and is part of the diabetes care team at Stanford. He is the past chair of the American Diabetes Association's Behavioral Medicine and Psychology Interest Group and is currently a member of the Research Policy Committee. He was also a member of the ADA's Call to Congress in March 2017. Dr. Hood is an Associate Editor for both Diabetes Care and Pediatric Diabetes.

CLINICAL FOCUS

- Psychology

ACADEMIC APPOINTMENTS

- Professor - Med Center Line, Pediatrics - Endocrinology and Diabetes
- Professor - Med Center Line, Psychiatry and Behavioral Sciences
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Member, Stanford Diabetes Research Center, (2017- present)

PROFESSIONAL EDUCATION

- PhD Training: University of Florida College of Medicine (2003) FL
- Fellowship: Joslin Diabetes Center (2005) MA
- Internship: Children's Hospital Boston MA

Research & Scholarship

CLINICAL TRIALS

- Initiation of Continuous Glucose Monitoring at Diagnosis of Type 1 Diabetes, Not Recruiting
- Remote Monitoring of Diabetes in Young Children With Type 1 Diabetes, Not Recruiting

Publications

PUBLICATIONS

- **From Wary Wearers to d-Embracers: Personas of Readiness to Use Diabetes Devices.** *Journal of diabetes science and technology*
Tanenbaum, M. L., Adams, R. N., Iturralde, E., Hanes, S. J., Barley, R. C., Naranjo, D., Hood, K. K.
2018: 1932296818793756
- **Preventing Diabetes Distress in Adolescents With Type 1 Diabetes: Results One Year After Participation in the STePS Program.** *Diabetes care*
Hood, K. K., Iturralde, E., Rausch, J., Weissberg-Benchell, J.
2018
- **Psychosocial Care for People With Diabetes: A Position Statement of the American Diabetes Association.** *Diabetes Care* 2016;**39**:2126-2140 *DIABETES CARE*
Young-Hyman, D., de Groot, M., Hill-Briggs, F., Gonzalez, J. S., Hood, K., Peyrot, M.
2018; 41 (3): E33–E34
- **PsychDT Working Group: Report Psychosocial Aspects of Artificial Pancreas Systems.** *Journal of diabetes science and technology*
Barnard, K. D., Venkat, M. V., Close, K., Heinemann, L., Weissberg-Benchell, J., Hood, K. K., Kubiak, T., Kowalski, A. J., Laffel, L.
2015; 9 (4): 925-928
- **Psychosocial and Human Factors During a Trial of a Hybrid Closed Loop System for Type 1 Diabetes Management.** *Diabetes technology & therapeutics*
Adams, R. N., Tanenbaum, M. L., Hanes, S. J., Ambrosino, J. M., Ly, T. T., Maahs, D. M., Naranjo, D., Walders-Abramson, N., Weinzimer, S. A., Buckingham, B. A., Hood, K. K.
2018
- **Big Topics for Diabetes Care in 2018: Clinical Guidelines, Costs of Diabetes, and Information Technology** *DIABETES CARE*
Riddle, M. C., Bakris, G., Boulton, A. M., Blonde, L., D'Alessio, D., Greene, E. L., de Groot, M., Hood, K., Hu, F. B., Kahn, S. E., Kaul, S., LeRoith, D., Moses, et al
2018; 41 (7): 1327–29
- **Using Cluster Analysis to Understand Clinician Readiness to Promote Continuous Glucose Monitoring Adoption.** *Journal of diabetes science and technology*
Tanenbaum, M. L., Adams, R. N., Lanning, M. S., Hanes, S. J., Agustin, B. I., Naranjo, D., Hood, K. K.
2018: 1932296818786486
- **Mobile Momentary Assessment and Biobehavioral Feedback for Adolescents with Type 1 Diabetes: Feasibility and Engagement Patterns** *DIABETES TECHNOLOGY & THERAPEUTICS*
Mulvaney, S. A., Vaala, S., Hood, K. K., Lybarger, C., Carroll, R., Williams, L., Schmidt, D. C., Johnson, K., Dietrich, M. S., Laffel, L.
2018: 465–74
- **Psychometric Properties of the Problem Areas in Diabetes: Teen and Parent of Teen Versions** *JOURNAL OF PEDIATRIC PSYCHOLOGY*

Shapiro, J. B., Vesco, A. T., Weil, L. G., Evans, M. A., Hood, K. K., Weissberg-Benchell, J.

2018; 43 (5): 561–71

● **HARNESSING DESIGN THINKING TO ENHANCE BEHAVIORAL INTERVENTIONS**

Tanenbaum, M. L., Breland, J. Y., Altman, M., Krugman, S. F., Gibson, B., Yingling, L., Miller, L. S., Perski, O., Hood, K. K.

OXFORD UNIV PRESS INC.2018: S423

● **HUMAN FACTORS DURING TRIAL OF A HYBRID CLOSED LOOP SYSTEM FOR TYPE 1 DIABETES MANAGEMENT**

Adams, R. N., Tanenbaum, M. L., Hanes, S. J., Ambrosino, J. M., Ly, T. T., Maahs, D. M., Naranjo, D., Walders-Abramson, N., Weinzimer, S. A., Buckingham, B. A., Hood, K. K.

OXFORD UNIV PRESS INC.2018: S718

● **Automated Insulin Delivery Systems: Hopes and Expectations of Family Members** *DIABETES TECHNOLOGY & THERAPEUTICS*

Garza, K. P., Jedraszko, A., Weil, L. G., Naranjo, D., Barnard, K. D., Laffel, L. B., Hood, K. K., Weissberg-Benchell, J.

2018; 20 (3): 222–28

● **The dawn of automated insulin delivery: A new clinical framework to conceptualize insulin administration** *PEDIATRIC DIABETES*

Messer, L. H., Forlenza, G. P., Wadwa, R., Weinzimer, S. A., Sherr, J. L., Hood, K. K., Buckingham, B. A., Slover, R. H., Maahs, D. M.

2018; 19 (1): 14–17

● **Sharing and helping: predictors of adolescents' willingness to share diabetes personal health information with peers.** *Journal of the American Medical Informatics Association*

Vaala, S. E., Lee, J. M., Hood, K. K., Mulvaney, S. A.

2017

● **The Diabetes Strengths and Resilience Measure for Adolescents With Type 1 Diabetes (DSTAR-Teen): Validation of a New, Brief Self-Report Measure.** *Journal of pediatric psychology*

Hilliard, M. E., Iturralde, E., Weissberg-Benchell, J., Hood, K. K.

2017

● **Stabilization of glycemic control and improved quality of life using a shared medical appointment model in adolescents with type 1 diabetes in suboptimal control** *PEDIATRIC DIABETES*

Floyd, B. D., Block, J. M., Buckingham, B. B., Ly, T., Foster, N., Wright, R., Mueller, C. L., Hood, K. K., Shah, A. C.

2017; 18 (3): 204-212

● **Expectations and Attitudes of Individuals With Type 1 Diabetes After Using a Hybrid Closed Loop System** *DIABETES EDUCATOR*

Iturralde, E., Tanenbaum, M. L., Hanes, S. J., Suttiratana, S. C., Ambrosino, J. M., Ly, T. T., Maahs, D. M., Naranjo, D., Walders-Abramson, N., Weinzimer, S. A., Buckingham, B. A., Hood, K. K.

2017; 43 (2): 223-232

● **Avoidant Coping and Diabetes-Related Distress: Pathways to Adolescents' Type 1 Diabetes Outcomes** *HEALTH PSYCHOLOGY*

Iturralde, E., Weissberg-Benchell, J., Hood, K. K.

2017; 36 (3): 236-244

● **Avoidant coping and diabetes-related distress: Pathways to adolescents' Type 1 diabetes outcomes.** *Health psychology*

Iturralde, E., Weissberg-Benchell, J., Hood, K. K.

2017; 36 (3): 236-244

● **Diabetes Device Use in Adults With Type 1 Diabetes: Barriers to Uptake and Potential Intervention Targets.** *Diabetes care*

Tanenbaum, M. L., Hanes, S. J., Miller, K. M., Naranjo, D., Bensen, R., Hood, K. K.

2017; 40 (2): 181-187

● **Feasibility of Long-Term Closed-Loop Control: A Multicenter 6-Month Trial of 24/7 Automated Insulin Delivery** *DIABETES TECHNOLOGY & THERAPEUTICS*

Kovatchev, B., Cheng, P., Anderson, S. M., Pinsker, J. E., Boscari, F., Buckingham, B. A., Doyle, F. J., Hood, K. K., Brown, S. A., Breton, M. D., Chernavvsky, D., Bevier, W. C., Bradley, et al

2017; 19 (1): 18-?

● **Optimal Use of Diabetes Devices: Clinician Perspectives on Barriers and Adherence to Device Use** *Journal of Diabetes Science and Technology*

Tanenbaum, M. L., Adams, R. N., Hanes, S. J., Barley, R. C., Miller, K. M., Mulvaney, S. A., Hood, K. K.

2017; 11 (3): 484-492

- **Implementation of Depression Screening and Global Health Assessment in Pediatric Subspecialty Clinics.** *The Journal of adolescent health : official publication of the Society for Adolescent Medicine*
Iturralde, E., Adams, R. N., Barley, R. C., Bensen, R., Christofferson, M., Hanes, S. J., Maahs, D. M., Milla, C., Naranjo, D., Shah, A. C., Tanenbaum, M. L., Veeravalli, S., Park, et al
2017
- **Quality of Life of College Students Living With Type 1 Diabetes: A Qualitative View.** *Western journal of nursing research*
Fredette, J., Mawn, B., Hood, K., Fain, J.
2016; 38 (12): 1595-1610
- **Psychosocial Care for People With Diabetes: A Position Statement of the American Diabetes Association** *DIABETES CARE*
Young-Hyman, D., de Groot, M., Hill-Briggs, F., Gonzalez, J. S., Hood, K., Peyrot, M.
2016; 39 (12): 2126-2140
- **Diabetes Technology: Uptake, Outcomes, Barriers, and the Intersection With Distress.** *Journal of diabetes science and technology*
Naranjo, D., Tanenbaum, M. L., Iturralde, E., Hood, K. K.
2016; 10 (4): 852-858
- **A randomized clinical trial aimed at preventing poor psychosocial and glycemic outcomes in teens with type 1 diabetes (T1D).** *Contemporary clinical trials*
Weissberg-Benchell, J., Rausch, J., Iturralde, E., Jedraszko, A., Hood, K.
2016; 49: 78-84
- **Whose quality of life is it anyway? Discrepancies between youth and parent health-related quality of life ratings in type 1 and type 2 diabetes** *QUALITY OF LIFE RESEARCH*
Yi-Frazier, J. P., Hilliard, M. E., Fino, N. F., Naughton, M. J., Liese, A. D., Hockett, C. W., Hood, K. K., Pihoker, C., Seid, M., Lang, W., Lawrence, J. M.
2016; 25 (5): 1113-1121
- **Toward Development of Psychosocial Measures for Automated Insulin Delivery.** *Journal of diabetes science and technology*
Weissberg-Benchell, J., Hood, K., Laffel, L., Heinemann, L., Ball, D., Kowalski, A., Peters, A., Damiano, E., Schiller, M., Davis, A., Beck, S., Barnard, K.
2016; 10 (3): 799-801
- **Stabilization of glycemic control and improved quality of life using a shared medical appointment model in adolescents with type 1 diabetes in suboptimal control.** *Pediatric diabetes*
Floyd, B. D., Block, J. M., Buckingham, B. B., Ly, T., Foster, N., Wright, R., Mueller, C. L., Hood, K. K., Shah, A. C.
2016
- **Resilience in Youth and Families Living With Pediatric Health and Developmental Conditions: Introduction to the Special Issue on Resilience.** *Journal of pediatric psychology*
Hilliard, M. E., McQuaid, E. L., Nabors, L., Hood, K. K.
2015; 40 (9): 835-839
- **From Individuals to International Policy: Achievements and Ongoing Needs in Diabetes Advocacy** *CURRENT DIABETES REPORTS*
Hilliard, M. E., Oser, S. M., Close, K. L., Liu, N. F., Hood, K. K., Anderson, B. J.
2015; 15 (9)
- **Depressive Symptoms in a Trial Behavioral Family Systems Therapy for Diabetes: A Post Hoc Analysis of Change** *DIABETES CARE*
Riley, A. R., Duke, D. C., Freeman, K. A., Hood, K. K., Harris, M. A.
2015; 38 (8): 1435-1440
- **Perceptions about professionally and non-professionally trained hypoglycemia detection dogs** *DIABETES RESEARCH AND CLINICAL PRACTICE*
Petry, N. M., Wagner, J. A., Rash, C. J., Hood, K. K.
2015; 109 (2): 389-396
- **Technology Use for Diabetes Problem Solving in Adolescents with Type 1 Diabetes: Relationship to Glycemic Control** *DIABETES TECHNOLOGY & THERAPEUTICS*
Kumah-Crystal, Y. A., Hood, K. K., Ho, Y., Lybarger, C. K., O'Connor, B. H., Rothman, R. L., Mulvaney, S. A.
2015; 17 (7): 449-454
- **Psychosocial Assessment of Artificial Pancreas (AP): Commentary and Review of Existing Measures and Their Applicability in AP Research** *DIABETES TECHNOLOGY & THERAPEUTICS*
Barnard, K. D., Hood, K. K., Weissberg-Benchell, J., Aldred, C., Oliver, N., Laffel, L.

