



David Maahs

Lucile Salter Packard Professor of Pediatrics and Professor, by courtesy, of Epidemiology and Population Health

Pediatrics - Endocrinology and Diabetes

 NIH Biosketch available Online

CLINICAL OFFICES

- **Pediatric Endocrinology**

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ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

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Bio

BIO

Dr David M. Maahs is the Lucile Salter Packard Professor of Pediatrics, Division Chief of Pediatric Endocrinology, and Associate Chair for Academic Affairs in Pediatrics at Stanford University and the Lucile Packard Children's Hospital. He earned his MD followed by Pediatric Residency at the University of New Mexico. After 3 years on New Mexico's faculty, Dr. Maahs completed a Pediatric Endocrinology fellowship and a concurrent PhD in Epidemiology at the University of Colorado. He remained on Colorado's faculty for 10 years, advancing to Professor of Pediatrics before moving to Stanford. Prior to his medical career, Dr. Maahs received a BA and MA in English from the University of Kansas and was inspired to pursue a medical career after serving in the Peace Corps with assignments in Tunisia and the Central African Republic.

Dr. Maahs' leadership experiences include being a past co-Chair (2013-16) for Protocols and Publications with the Type 1 Diabetes Exchange for which he continues as Director of International Collaborations. This complements his role as President-elect for the International Society of Pediatric and Adolescent Diabetes (ISPAD, 2021-25) and Editor-in-Chief for the 2018 ISPAD Clinical Practice Consensus Guidelines. He served on the Professional Practice Committee for the American Diabetes Association (ADA, 2016-18), which writes the annual ADA Standards of Care. Previously, he served on the ADA Scientific Sessions committee representing the Council on Youth. He has also served on national committees for the American Heart Association, the Pediatric Endocrine Society, and multiple journal editorial boards and review committees.

His scholarly interest is improving care and preventing complications in people with type 1 diabetes (T1D). Along with Dr Peter Chase, he is author of the 12th and 13th editions of Understanding Diabetes, or 'Pink Panther,' which are the most widely used educational books for children newly diagnosed with T1D, distributed internationally by the Juvenile Diabetes Research Fund (JDRF). More specifically, he has conducted epidemiologic studies that help generate hypotheses for clinical studies, including trials to develop artificial pancreas systems to improve glucose control, lower disease burden, prevent the complications of diabetes, and reduce disparities in diabetes care. He is author or co-author of over 350 research publications. His multi-disciplinary research has been funded by the JDRF, the National Institutes of Diabetes and Digestive and Kidney Diseases (NIDDK), the Helmsley Charitable Trust, and the National Science Foundation (NSF).

Dr Maahs is Associate Director for the recently formed and NIDDK P30 funded Stanford University Diabetes Research Center (<https://sdrc.stanford.edu>). His collaborations extend to his role as Principal Investigator (PI) or steering committee member for NIH funded multi-center clinical trials including the FLEX, PERL, and ACTION studies as well as multiple Artificial Pancreas clinical trials. Education, mentorship, and training leadership includes being Program Director with Dr. Georgeanna Klingensmith on the Barbara Davis Center T32 and K12 training grants in Pediatric Endocrinology while at the University of Colorado. He is the PI on the Stanford NIH funded K12 "Training Research Leaders in Type 1 Diabetes." Dr Maahs is also the Associate Chair for Academic Affairs for the Department of Pediatrics.

While in the Peace Corps, David met his wife, Christine Walravens, who is also a Pediatrician at Stanford. They enjoy outdoor activities and traveling with their adult children.

CLINICAL FOCUS

- Pediatric Endocrinology

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Pediatrics - Endocrinology and Diabetes
- Professor - University Medical Line (By courtesy), Epidemiology and Population Health
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Associate Chair for Academic Affairs, Department of Pediatrics, Stanford University, (2021- present)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Associate Editor, Diabetes Technology and Therapeutics (2011 - 2013)
- Co-Chair for Protocols and Publications, Type 1 Diabetes Exchange (2013 - 2016)
- Steering Committee, Type 1 Diabetes Exchange (2013 - 2019)
- Editorial Board, Diabetes Technology and Therapeutics (2013 - 2020)
- Editor in Chief, ISPAD Guidelines 2018 (2016 - 2018)
- Secretary-General, International Society of Pediatric and Adolescent Diabetes (2016 - 2020)
- Faculty Fellow, Center for Innovation in Global Health, Stanford University (2016 - present)
- Associate Editor, Diabetic Medicine (2017 - 2019)
- Professional Practice Committee, American Diabetes Association (2017 - 2019)
- Editorial Board, Journal of Pediatrics (2017 - 2021)
- President elect, ISPAD (2021 - 2022)
- Associate Chair for Academic Affairs, Department of Pediatrics, Stanford University (2021 - present)
- President, International Society of Pediatric and Adolescent Diabetes (2022 - present)

PROFESSIONAL EDUCATION

- Medical Education: University of New Mexico School of Medicine (1997) NM
- PhD, University of Colorado , Analytic Health Sciences/Epidemiology (2010)
- MA, University of Kansas , English (1990)
- BA, University of Kansas , English (1988)
- Board Certification: Pediatric Endocrinology, American Board of Pediatrics (2007)
- Fellowship: University of Colorado Childrens Hospital (2006) CO
- Board Certification: Pediatrics, American Board of Pediatrics (2000)

- Residency: University of New Mexico Pediatric Residency (2000) NM

COMMUNITY AND INTERNATIONAL WORK

- International Society of Pediatric and Adolescent Diabetes (ISPAD)

LINKS

- Stanford Diabetes Research Center: <https://sdrc.stanford.edu/>

Research & Scholarship

CLINICAL TRIALS

- Study of Latiglutenase in T1D/CD Patients, Recruiting
- Teamwork, Targets, Technology, and Tight Control in Newly Diagnosed Pediatric T1D - 4T Study, Recruiting
- Remote Monitoring of Diabetes in Young Children With Type 1 Diabetes, Not Recruiting

Teaching

STANFORD ADVISEES

Master's Program Advisor

Katie Czepiel

Publications

PUBLICATIONS

- **Teamwork, Targets, Technology, and Tight Control in Newly Diagnosed Type 1 Diabetes: Pilot 4T Study.** *The Journal of clinical endocrinology and metabolism*
Prahalad, P., Ding, V. Y., Zaharieva, D. P., Addala, A., Johari, R., Scheinker, D., Desai, M., Hood, K., Maahs, D. M.
2021
- **Improving Clinical Outcomes in Newly Diagnosed Pediatric Type 1 Diabetes: Teamwork, Targets, Technology, and Tight Control-The 4T Study.** *Frontiers in endocrinology*
Prahalad, P. n., Zaharieva, D. P., Addala, A. n., New, C. n., Scheinker, D. n., Desai, M. n., Hood, K. K., Maahs, D. M.
2020; 11: 360
- **Project ECHO Diabetes Cost Modeling to Support the Replication and Expansion of Tele-mentoring Programs in Non-research Settings.** *Diabetes therapy : research, treatment and education of diabetes and related disorders*
Lewit, E. M., Figg, L. E., Addala, A., Filipp, S. L., Lal, R., Gurka, M. J., Herndon, J. B., Haller, M. J., Maahs, D. M., Walker, A. F.
2023
- **Continuous glucose monitoring and metrics for clinical trials: an international consensus statement.** *The lancet. Diabetes & endocrinology*
Battelino, T., Alexander, C. M., Amiel, S. A., Arreaza-Rubin, G., Beck, R. W., Bergenstal, R. M., Buckingham, B. A., Carroll, J., Ceriello, A., Chow, E., Choudhary, P., Close, K., Danne, et al
2022
- **ISPAD Clinical Practice Consensus Guidelines 2022: Glycemic targets and glucose monitoring for children, adolescents, and young people with diabetes.** *Pediatric diabetes*
de Bock, M., Codner, E., Craig, M. E., Huynh, T., Maahs, D. M., Mahmud, F. H., Marcovecchio, L., DiMeglio, L. A.
2022; 23 (8): 1270-1276
- **Associations of disordered eating with the intestinal microbiota and short-chain fatty acids among young adults with type 1 diabetes.** *Nutrition, metabolism, and cardiovascular diseases : NMCD*
Igudesman, D., Crandell, J., Corbin, K. D., Zaharieva, D. P., Addala, A., Thomas, J. M., Bulik, C. M., Pence, B. W., Pratley, R. E., Kosorok, M. R., Maahs, D. M., Carroll, I. M., Mayer-Davis, et al
2022

- **A model to design financially sustainable algorithm-enabled remote patient monitoring for pediatric type 1 diabetes care.** *Frontiers in endocrinology*
Dupenloup, P., Pei, R. L., Chang, A., Gao, M. Z., Prahallad, P., Johari, R., Schulman, K., Addala, A., Zaharieva, D. P., Maahs, D. M., Scheinker, D.
2022; 13: 1021982
- **The Intestinal Microbiota and Short-Chain Fatty Acids in Association with Advanced Metrics of Glycemia and Adiposity Among Young Adults with Type 1 Diabetes and Overweight or Obesity.** *Current developments in nutrition*
Igudesman, D., Crandell, J., Corbin, K. D., Muntis, F., Zaharieva, D. P., Casu, A., Thomas, J. M., Bulik, C. M., Carroll, I. M., Pence, B. W., Pratley, R. E., Kosorok, M. R., Maahs, et al
2022; 6 (10): nzac107
- **Weight Management in Young Adults with Type 1 Diabetes: The Advancing Care for Type 1 Diabetes and Obesity Network Sequential Multiple Assignment Randomized Trial Pilot Results.** *Diabetes, obesity & metabolism*
Igudesman, D., Crandell, J., Corbin, K. D., Zaharieva, D. P., Addala, A., Thomas, J. M., Casu, A., Kirkman, M. S., Pokaparakarn, T., Riddell, M. C., Burger, K., Pratley, R. E., Kosorok, et al
2022
- **The COVID-19 Pandemic Affects Seasonality, With Increasing Cases of New-Onset Type 1 Diabetes in Children, From the Worldwide SWEET Registry.** *Diabetes care*
Reschke, F., Lanzinger, S., Herczeg, V., Prahallad, P., Schiaffini, R., Mul, D., Clapin, H., Zabeen, B., Pelicand, J., Phillip, M., Limbert, C., Danne, T.
2022
- **Consensus Recommendations for the Use of Automated Insulin Delivery (AID) Technologies in Clinical Practice.** *Endocrine reviews*
Phillip, M., Nimri, R., Bergenstal, R. M., Barnard-Kelly, K., Danne, T., Hovorka, R., Kovatchev, B. P., Messer, L. H., Parkin, C. G., Ambler-Osborn, L., Amiel, S. A., Bally, L., Beck, et al
2022
- **Relationship Between Moderate-to-Vigorous Physical Activity and Glycemia Among Young Adults with Type 1 Diabetes and Overweight or Obesity: Results from the Advancing Care for Type 1 Diabetes and Obesity Network (ACTION) Study.** *Diabetes technology & therapeutics*
Muntis, F. R., Igudesman, D., Cristello Sarteau, A., Thomas, J., Arrizon-Ruiz, N., Hooper, J., Addala, A., Crandell, J. L., Riddell, M. C., Maahs, D. M., Pratley, R. E., Corbin, K., Mayer-Davis, et al
2022
- **Increased prevalence of cardiovascular risk factors in children and adolescents with type 1 diabetes and hypertension: The SWEET international database.** *Diabetes, obesity & metabolism*
Vazeou, A., Tittel, S. R., Kordonouri, O., Birkebaek, N. H., Iotova, V., Piccini, B., Seget, S., Guiness, P. K., Maahs, D. M., Stergiou, G. S.
2022
- **Transatlantic Comparison of Pediatric Continuous Glucose Monitoring use in the DPV Initiative and T1D Exchange Quality Improvement Collaborative.** *Diabetes technology & therapeutics*
DeSalvo, D. J., Lanzinger, S., Noor, N., Steigleder-Schweiger, C., Ebekozién, O., Sengbusch, S. v., Jones, N. Y., Laubner, K., Maahs, D. M., Holl, R. W.
2022
- **Advancements and future directions in the teamwork, targets, technology, and tight control-the 4T study: improving clinical outcomes in newly diagnosed pediatric type 1 diabetes.** *Current opinion in pediatrics*
Zaharieva, D. P., Bishop, F. K., Maahs, D. M., 4T study research team
2022; 34 (4): 423-429
- **"Much more convenient, just as effective:" Experiences of starting continuous glucose monitoring remotely following Type 1 diabetes diagnosis.** *Diabetic medicine : a journal of the British Diabetic Association*
Tanenbaum, M. L., Zaharieva, D. P., Addala, A., Prahallad, P., Hooper, J. A., Leverenz, B., Cortes, A. L., Arrizon-Ruiz, N., Pang, E., Bishop, F., Maahs, D. M.
2022: e14923
- **Temporal changes in hemoglobin A1c and diabetes technology use in DPV, NPDA and T1DX pediatric cohorts from 2010 to 2018.** *Diabetes technology & therapeutics*
Lal, R. A., Robinson, H., Lanzinger, S., Miller, K., Perez, S. P., Kovacic, R., Calhoun, P., Campbell, F., Naeke, A., Maahs, D. M., Holl, R. W., Warner, J.
2022
- **More hypoglycemia not associated with increasing estimated adiposity in youth with type 1 diabetes.** *Pediatric research*
Sarteau, A. C., Kahkoska, A. R., Crandell, J., Igudesman, D., Corbin, K. D., Kichler, J. C., Maahs, D. M., Muntis, F., Pratley, R., Seid, M., Zaharieva, D., Mayer-Davis, E.
2022

- **Psychosocial Needs for Newly Diagnosed Youth with Type 1 Diabetes and Their Families.** *Current diabetes reports*
Patton, S. R., Maahs, D., Pahalad, P., Clements, M. A.
2022
- **Algorithm-Enabled, Personalized Glucose Management for Type 1 Diabetes at the Population Scale: Prospective Evaluation in Clinical Practice.** *JMIR diabetes*
Scheinker, D., Gu, A., Grossman, J., Ward, A., Ayerdi, O., Miller, D., Leverenz, J., Hood, K., Lee, M. Y., Maahs, D. M., Pahalad, P.
2022; 7 (2): e27284
- **A collaborative comparison of international pediatric diabetes registries.** *Pediatric diabetes*
Lanzinger, S., Zimmermann, A., Ranjan, A. G., Gani, O., Pons Perez, S., Akesson, K., Majidi, S., Witsch, M., Hofer, S., Johnson, S., Pilgaard, K. A., Kummernes, S. J., Robinson, et al
2022
- **A New Technology-Enabled Care Model for Pediatric Type 1 Diabetes.** *NEJM catalyst innovations in care delivery*
Scheinker, D., Pahalad, P., Johari, R., Maahs, D. M., Majzun, R.
2022; 3 (5)
- **The Importance of Office Blood Pressure Measurement Frequency and Methodology in Evaluating the Prevalence of Hypertension in Children and Adolescents With Type 1 Diabetes: The SWEET International Database.** *Diabetes care*
Vazeou, A., Tittel, S. R., Birkebaek, N. H., Kordonouri, O., Iotova, V., Piccini, B., Saboo, B., Pundziute Lycka, A., Seget, S., Maahs, D. M., Stergiou, G.
2022
- **Design of the advancing care for type 1 diabetes and obesity network energy metabolism and sequential multiple assignment randomized trial nutrition pilot studies: An integrated approach to develop weight management solutions for individuals with type 1 diabetes.** *Contemporary clinical trials*
Corbin, K. D., Igudesman, D., Addala, A., Casu, A., Crandell, J., Kosorok, M. R., Maahs, D. M., Pokrapakarn, T., Pratley, R. E., Souris, K. J., Thomas, J., Zaharieva, D. P., Mayer-Davis, et al
2022: 106765
- **Diabetes Technology and Therapy in the Pediatric Age Group.** *Diabetes technology & therapeutics*
Maahs, D. M., Addala, A., Shalitin, S.
2022; 24 (S1): S107-S128
- **Trends in Glycemic Control Among Youth and Young Adults With Diabetes: The SEARCH for Diabetes in Youth Study.** *Diabetes care*
Malik, F. S., Sauder, K. A., Isom, S., Reboussin, B. A., Dabelea, D., Lawrence, J. M., Roberts, A., Mayer-Davis, E. J., Marcovina, S., Dolan, L., Igudesman, D., Pihoker, C., SEARCH for Diabetes in Youth Study:, et al
1800
- **Closing Disparities in Pediatric Diabetes Telehealth Care: Lessons From Telehealth Necessity During the COVID-19 Pandemic.** *Clinical diabetes : a publication of the American Diabetes Association*
Pahalad, P., Leverenz, B., Freeman, A., Grover, M., Shah, S., Conrad, B., Morris, C., Stafford, D., Lee, T., Pageler, N., Maahs, D. M.
2022; 40 (2): 153-157
- **Adding glycemic and physical activity metrics to a multimodal algorithm-enabled decision-support tool for type 1 diabetes care: Keys to implementation and opportunities.** *Frontiers in endocrinology*
Zaharieva, D. P., Senanayake, R., Brown, C., Watkins, B., Loving, G., Pahalad, P., Ferstad, J. O., Guestrin, C., Fox, E. B., Maahs, D. M., Scheinker, D.
2022; 13: 1096325
- **Tele-education model for primary care providers to advance diabetes equity: Findings from Project ECHO Diabetes.** *Frontiers in endocrinology*
Addala, A., Filipp, S. L., Figg, L. E., Anez-Zabala, C., Lal, R. A., Gurka, M. J., Haller, M. J., Maahs, D. M., Walker, A. F., Project ECHO Diabetes Research Team, Haller, M., Sheehan, E., Bernier, A., et al
2022; 13: 1066521
- **Overcoming Barriers to Diabetes Technology in Youth with Type 1 Diabetes and Public Insurance: Cases and Call to Action.** *Case reports in endocrinology*
Lee, M. Y., Tanenbaum, M. L., Maahs, D. M., Pahalad, P.
2022; 2022: 9911736
- **Using Peer Power to Reduce Health Disparities: Implementation of a Diabetes Support Coach Program in Federally Qualified Health Centers.** *Diabetes spectrum : a publication of the American Diabetes Association*
Walker, A. F., Addala, A., Sheehan, E., Lal, R., Haller, M., Cuttriss, N., Filipp, S., Baer, L., Gurka, M., Bernier, A., Figg, L., Westen, S., Hood, et al
2022; 35 (3): 295-303

- **Response to Letter to the Editor from Justin M. Gregory: Age and Hospitalization Risk in People With Type 1 Diabetes and COVID-19: Data From the T1D Exchange Surveillance Study.** *The Journal of clinical endocrinology and metabolism*
Demeterco-Berggren, C., Ebekozien, O., Levy, C. J., Maahs, D. M.
2021
- **Renal Complications and Duration of Diabetes: An International Comparison in Persons with Type 1 Diabetes.** *Diabetes therapy : research, treatment and education of diabetes and related disorders*
Dena, M., Svensson, A., Olofsson, K. E., Young, L., Carlson, A., Miller, K., Grimsmann, J., Welp, R., Mader, J. K., Maahs, D. M., Holl, R. W., Lind, M.
2021
- **Automation of a multiplex agglutination-PCR (ADAP) type 1 diabetes (T1D) assay for the rapid analysis of islet autoantibodies.** *SLAS technology*
Cortez, F. d., Gebhart, D., Tandel, D., Robinson, P. V., Seftel, D., Wilson, D. M., Maahs, D. M., Buckingham, B. A., Miller, K. W., Tsai, C.
1800
- **Demographic Correlates of Short-Term Mortality Among Youth and Young Adults With Youth-Onset Diabetes Diagnosed From 2002 to 2015: The SEARCH for Diabetes in Youth Study.** *Diabetes care*
Lawrence, J. M., Reynolds, K., Saydah, S. H., Mottl, A., Pihoker, C., Dabelea, D., Dolan, L., Henkin, L., Liese, A. D., Isom, S., Divers, J., Wagenknecht, L., SEARCH for Diabetes in Youth Study Group, et al
2021
- **Changes in HbA1c between 2011-2017 in Germany/Austria, Sweden, and the United States: A Lifespan Perspective.** *Diabetes technology & therapeutics*
Albanese-O'Neill, A., Grimsmann, J., Svensson, A., Miller, K. M., Raile, K., Akesson, K., Calhoun, P., Biesenbach, B., Eeg-Olofsson, K., Holl, R. W., Maahs, D. M., Hanas, R.
2021
- **Ultra-Fast Insulin-Pramlintide Co-Formulation for Improved Glucose Management in Diabetic Rats.** *Advanced science (Weinheim, Baden-Wuerttemberg, Germany)*
Maikawa, C. L., Chen, P. C., Vuong, E. T., Nguyen, L. T., Mann, J. L., d'Aquino, A. I., Lal, R. A., Maahs, D. M., Buckingham, B. A., Appel, E. A.
2021; e2101575
- **Disparities in Hemoglobin A1c Testing During the Transition to Adulthood and Association With Diabetes Outcomes in Youth-Onset Type 1 and Type 2 Diabetes: The SEARCH for Diabetes in Youth Study.** *Diabetes care*
Sauder, K. A., Stafford, J. M., Ehrlich, S., Lawrence, J. M., Liese, A. D., Marcovina, S., Mottl, A. K., Pihoker, C., Saydah, S., Shah, A. S., D'Agostino, R. B., Dabelea, D., SEARCH for Diabetes in Youth Study Group, et al
2021
- **Population-level management of Type 1 diabetes via continuous glucose monitoring and algorithm-enabled patient prioritization: Precision health meets population health.** *Pediatric diabetes*
Ferstad, J. O., Vallon, J. J., Jun, D., Gu, A., Vitko, A., Morales, D. P., Leverenz, J., Lee, M. Y., Leverenz, B., Vasilakis, C., Osmanliu, E., Prahalad, P., Maahs, et al
2021
- **50 Years Ago in The Journal of Pediatrics: Neonatal Hypoglycemia: Progress and Predicaments.** *The Journal of pediatrics*
Ikle, J. M., Prince, L. S., Maahs, D. M.
2021; 235: 82
- **Neonatal Hypoglycemia: Progress and Predicaments** *JOURNAL OF PEDIATRICS*
Ikle, J. M., Prince, L. S., Maahs, D. M.
2021; 235: 82
- **Hemoglobin A1c Patterns of Youth With Type 1 Diabetes 10 Years Post Diagnosis From 3 Continents.** *Pediatrics*
Sherr, J. L., Schwandt, A., Phelan, H., Clements, M. A., Holl, R. W., Benitez-Aguirre, P. Z., Miller, K. M., Woelfle, J., Dover, T., Maahs, D. M., Frohlich-Reiterer, E., Craig, M. E.
2021
- **Engineering Insulin Cold Chain Resilience to Improve Global Access.** *Biomacromolecules*
Maikawa, C. L., Mann, J. L., Kannan, A., Meis, C. M., Grosskopf, A. K., Ou, B. S., Autzen, A. A., Fuller, G. G., Maahs, D. M., Appel, E. A.
2021
- **Democratizing type 1 diabetes specialty care in the primary care setting to reduce health disparities: project extension for community healthcare outcomes (ECHO) T1D.** *BMJ open diabetes research & care*

- Walker, A. F., Cuttriss, N., Haller, M. J., Hood, K. K., Gurka, M. J., Filipp, S. L., Anez-Zabala, C., Yabut, K., Roque, X., Wong, J. J., Baer, L., Figg, L., Bernier, et al
2021; 9 (1)
- **Multi-Clinic Quality Improvement Initiative Increases Continuous Glucose Monitoring Use Among Adolescents and Young Adults With Type 1 Diabetes.** *Clinical diabetes : a publication of the American Diabetes Association*
Prahalad, P., Ebekozien, O., Alonso, G. T., Clements, M., Corathers, S., DeSalvo, D., Desimone, M., Lee, J. M., Lorincz, I., McDonough, R., Majidi, S., Odugbesan, O., Obrynba, et al
2021; 39 (3): 264-271
 - **Diabetes Technology and Therapy in the Pediatric Age Group.** *Diabetes technology & therapeutics*
Maahs, D. M., Ekhlaspour, L., Shalitin, S.
2021; 23 (S2): S113-S130
 - **Progress in Pediatric Diabetes Prediction, Management, and Outcomes** *JOURNAL OF PEDIATRICS*
Ikle, J. M., Maahs, D. M.
2021; 233: 131
 - **50 Years Ago in TheJournalofPediatrics: Progress in Pediatric Diabetes Prediction, Management, and Outcomes.** *The Journal of pediatrics*
Ikle, J. M., Maahs, D. M.
2021; 233: 131
 - **Improved individual and population-level HbA1c estimation using CGM data and patient characteristics.** *Journal of diabetes and its complications*
Grossman, J., Ward, A., Crandell, J. L., Prahalad, P., Maahs, D. M., Scheinker, D.
2021: 107950
 - **Cognitive Function in Adolescents and Young Adults With Youth-Onset Type 1 Versus Type 2 Diabetes: The SEARCH for Diabetes in Youth Study.** *Diabetes care*
Shapiro, A. L., Dabelea, D., Stafford, J. M., D'Agostino, R. J., Pihoker, C., Liese, A. D., Shah, A. S., Bellatorre, A., Lawrence, J. M., Henkin, L., Saydah, S., Wilkening, G., SEARCH for Diabetes in Youth Study Group, et al
2021
 - **Provider Implicit Bias Impacts Pediatric Type 1 Diabetes Technology Recommendations in the United States: Findings from The Gatekeeper Study.** *Journal of diabetes science and technology*
Addala, A., Hanes, S., Naranjo, D., Maahs, D. M., Hood, K. K.
2021: 19322968211006476
 - **Advances in Neonatal Thyrotoxicosis** *JOURNAL OF PEDIATRICS*
Riveros, L., Maahs, D. M.
2021; 231: 199+
 - **"IT'S LIKE LEARNING TO DRIVE A MANUAL CAR": EXPERIENCES OF CONTINUOUS GLUCOSE MONITORING ADOPTION IN ADULTS WITH TYPE 1 DIABETES**
Wu, C. A., Tanenbaum, M. L., Ngo, J., Hood, K., Hanes, S., Basina, M., Buckingham, B. A., Maahs, D. M.
OXFORD UNIV PRESS INC.2021: S27
 - **50 Years Ago in TheJournalofPediatrics: Advances in Neonatal Thyrotoxicosis.** *The Journal of pediatrics*
Valenzuela Riveros, L. F., Maahs, D. M.
2021; 231: 199
 - **Full closed loop open-source algorithm performance comparison in pigs with diabetes.** *Clinical and translational medicine*
Lal, R. A., Maikawa, C. L., Lewis, D., Baker, S. W., Smith, A. A., Roth, G. A., Gale, E. C., Stapleton, L. M., Mann, J. L., Yu, A. C., Correa, S., Grosskopf, A. K., Liong, et al
2021; 11 (4): e387
 - **50 Years Ago in TheJournalofPediatrics: Association of Type 1 Diabetes Mellitus and Celiac Disease: Then and Now.** *The Journal of pediatrics*
Ni, J., Khosla, C., Maahs, D. M.
2021; 230: 70
 - **Association of Type 1 Diabetes Mellitus and Celiac Disease: Then and Now** *JOURNAL OF PEDIATRICS*
Ni, J., Khosla, C., Maahs, D. M.

2021; 230: 70

- **The Evolution of Hemoglobin A1c Targets for Youth With Type 1 Diabetes: Rationale and Supporting Evidence.** *Diabetes care*
Redondo, M. J., Libman, I., Maahs, D. M., Lyons, S. K., Saraco, M., Reusch, J., Rodriguez, H., DiMeglio, L. A.
2021
- **Health-Related Quality of Life and Treatment Satisfaction in Parents and Children with Type 1 Diabetes Using Closed-Loop Control.** *Diabetes technology & therapeutics*
Cobry, E., Kanapka, L., Cengiz, E., Carria, L., Ekhlaspour, L., Buckingham, B. A., Hood, K., Hsu, L. J., Messer, L., Schoelwer, M., Emory, E., Ruedy, K. J., Beck, et al
2021
- **Comment on Gregory et al. COVID-19 Severity Is Tripled in the Diabetes Community: A Prospective Analysis of the Pandemic's Impact in Type 1 and Type 2 Diabetes.** *Diabetes Care* 2021;44:526-532. *Diabetes care*
Maahs, D. M., Alonso, G. T., Gallagher, M. P., Ebekoziem, O.
2021; 44 (5): e102
- **Barriers to Technology Use and Endocrinology Care for Underserved Communities With Type 1 Diabetes.** *Diabetes care*
Walker, A. F., Hood, K. K., Gurka, M. J., Filipp, S. L., Anez-Zabala, C. n., Cuttriss, N. n., Haller, M. J., Roque, X. n., Naranjo, D. n., Aulisio, G. n., Addala, A. n., Konopack, J. n., Westen, et al
2021
- **Predicting Success with a First-Generation Hybrid Closed Loop Artificial Pancreas System among Children, Adolescents, and Young Adults with Type 1 Diabetes: a Model Development and Validation Study.** *Diabetes technology & therapeutics*
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