

Diabetes Care

THE JOURNAL OF CLINICAL AND APPLIED RESEARCH AND EDUCATION

July 2025 Volume 48, Number 7

The Art of Diabetes Care

- 1055** About the Artist: Maren R. Laughlin, PhD
B. Page

About the Editors

- 1056** About the Editor: Naveed Sattar, MBChB, PhD—Reducing the Obesity Risk Factor and Management of Type 2 Diabetes
B. Page

Consensus Report

- **1057** Metabolic Dysfunction–Associated Steatotic Liver Disease (MASLD) in People With Diabetes: The Need for Screening and Early Intervention. A Consensus Report of the American Diabetes Association
K. Cusi, M.F. Abdelmalek, C.M. Apovian, K. Balapattabi, R.R. Bannuru, D. Barb, J.K. Bardsley, E.A. Beverly, K.D. Corbin, N.A. ElSayed, S. Isaacs, F. Kanwal, E.J. Pekas, C.R. Richardson, M. Roden, A.J. Sanyal, J.H. Shubrook, Z.M. Younossi, and M. Bajaj

Special Collection: NIDDK 75th Anniversary

- 1083** NIDDK at 75 Years of Age: Great Triumphs but Concerns for Its Longevity
S.E. Kahn, C.A.M. Anderson, J.B. Buse, E. Selvin, and D.A. D'Alessio
- **1085** NIDDK: Celebrating 75 Years of Advancing Diabetes Research
W.T. Cefalu, R.J. Cerio, C.M. Silva, J.A. Wallace, and G.P. Rodgers
- 1089** The NIDDK Takes on the Complications of Type 1 Diabetes: The Diabetes Control and Complications Trial/Epidemiology of Diabetes Interventions and Complications (DCCT/EDIC) Study
*B.H. Braffett, I. Bebu, G.M. Lorenzi, C.L. Martin, B.A. Perkins, R. Gubitosi-Klug, and D.M. Nathan, for the DCCT/EDIC Research Group**
- 1101** The Diabetes Prevention Program and Its Outcomes Study: NIDDK's Journey Into the Prevention of Type 2 Diabetes and Its Public Health Impact
J.P. Crandall, D. Dabelea, W.C. Knowler, D.M. Nathan, and M. Temprosa, on behalf of the DPP Research Group
- 1112** Type 1 Diabetes TrialNet: Leading the Charge in Disease Prediction, Prevention, and Immunotherapeutic Mechanistic Understanding
L.M. Jacobsen, J.L. Felton, B.M. Nathan, C. Speake, J. Krischer, and K.C. Herold
- 1125** Unfolding the Mystery of Autoimmunity: The Environmental Determinants of Diabetes in the Young (TEDDY) Study
M. Rewers, D. Agardh, S. Bennett Johnson, E. Bonifacio, H. Elding Larsson, P. Gesualdo, W. Hagopian, M.J. Haller, H. Hyöty, R. Johnson, R. McIndoe, E. McKinney, J. Melin, Å. Lernmark, R.E. Lloyd, K.F. Lynch, J.M. Norris, S.S. Rich, R. Roth, D. Schatz, J. Toppari, E. Triplett, K. Vehik, S.M. Virtanen, A.-G. Ziegler, B. Akolkar, and J.P. Krischer, on behalf of the TEDDY Study Group
- 1136** Youth-Onset Type 2 Diabetes: What We've Learned From Key Youth-Onset Type 2 Diabetes Studies, What We Still Don't Know, and Why It Is Important
K.J. Nadeau, E.J. Mayer-Davis, R. Gubitosi-Klug, P.S. Zeitler, S.E. Kahn, and D. Dabelea, on behalf of the SEARCH, TODAY, RISE, and DISCOVERY study groups

Commentaries

- 1150** The U.S. National Diabetes Prevention Program (NDPP) Shows Promise as a Cost-effective Implementation Strategy
R.T. Ackermann
- 1152** The Dilemma of Moderate Alcohol Consumption and Type 2 Diabetes Risk: Drinking Frequency Versus Quantity
C. Zhang and T. Li

- 1155** Let Us Make Diabetes Care Greener
L. Heinemann

- 1158** Mind the Gap: Discordance Between Cystatin C and Creatinine eGFR and Diabetes Complications
R.J. MacIsaac

- 1161** Intersystem Accuracy in Continuous Glucose Monitoring: When Does This Matter?
S.J. Kim and I.B. Hirsch

Original Research

- **1164** Economic Costs Attributed to Diagnosed Diabetes in Each U.S. State and the District of Columbia: 2021
O.A. Khavjou, M. Sun, S.R. D'Angelo, S.J. Neuwahl, T.J. Hoerger, P. Cho, K. Myers, and P. Zhang
- 1172** Metformin Use and Risk of Delirium in Older Adults With Type 2 Diabetes
M. Sun, X. Wang, Z. Lu, Y. Yang, S. Lv, M. Miao, W.-M. Chen, S.-Y. Wu, and J. Zhang
- **1180** Cost-effectiveness of the National Diabetes Prevention Program: A Real-world, 2-Year Prospective Study
S. Kuo, W. Ye, D. Wang, L.N. McEwen, C. Villatoro Santos, and W.H. Herman
- **1189** Alcohol Intake, Drinking Pattern, and Risk of Type 2 Diabetes in Three Prospective Cohorts of U.S. Women and Men
X. Li, J. Hur, S.A. Smith-Warner, M. Song, L. Liang, K.J. Mukamal, E.B. Rimm, and E.L. Giovannucci
- 1198** Quantifying Environmental Waste From Diabetes Devices in the U.S.
T. Tian, C.N. Ho, A.T. Ayers, R.E. Aaron, D.C. Klonoff, D.T. Ahn, D. Kerr, A.L. Peters, A. Philis-Tsimikas, V.N. Shah, E.G. Herndon, Y. Yang, C. Li, and J. Wang
- **1204** Comparison of Serum Creatinine– and Cystatin C–Based eGFR at Baseline and Their Prediction of Incident Moderate Albuminuria in Individuals With Type 1 Diabetes
V. Harjutsalo, L.M. Thorn, and P.-H. Groop
- **1213** A Comparative Analysis of Glycemic Metrics Derived From Three Continuous Glucose Monitoring Systems
G. Freckmann, S. Wehrstedt, M. Eichenlaub, S. Pleus, M. Link, N. Jendrike, S. Öter, D. Brandt, C. Haug, and D. Waldenmaier
- 1218** Trends and Disparities in Rates of Hypoglycemia Among Hospitalized Patients With Type 2 Diabetes
P.A. Heidenreich, S. Lin, R.J. Gallo, A. Sahay, M. Burkhardt, P. Glassman, D. Fang, and V. Moore
- 1225** Diet, Gut Microbiota, and Histidine Metabolism Toward Imidazole Propionate Production in Relation to Type 2 Diabetes
H. Yang, K. Luo, B.A. Peters, Y. Wang, Y. Zhang, M. Daviglus, A. Pirzada, C. Cordero, B. Yu, R.D. Burk, R. Kaplan, and Q. Qi
- 1233** High Transepidermal Water Loss at the Site of Wound Closure Is Associated With Increased Recurrence of Diabetic Foot Ulcers: The NIDDK Diabetic Foot Consortium TEWL Study
C.K. Sen, G.M. Gordillo, S. Roy, J. Jahnke, M. Sinha, L. Timsina, S.S. Mathew-Steiner, M.S. Conte, C. Holmes, T.L.Z. Jones, R. Pop-Busui, G. Kolenic, C. Spino, and G.C. Gurtner, on behalf of the NIDDK Diabetic Foot Consortium TEWL Study
- 1241** Associations of Concurrent Hypertension and Type 2 Diabetes With Mortality Outcomes: A Prospective Study of U.S. Adults
Y. Yuan, C.R. Isasi, T. Al-Rousan, A.K. Ghosh, P.H. Mullaichery, P. Palta, and N. Makarem

Keep up with the latest information for *Diabetes Care* and other ADA titles via Facebook (/ADAPublications) and X (@ADA_Pubs and @DiabetesCareADA).

Diabetes Care is available online at diabetesjournals.org/care. All articles are freely available 12 months after publication, with featured articles (➡) and select content always free to read. Accessible formats are available for articles published July 2025 and later. Request an accessible version of earlier content at diabetesjournals.org/pages/accessibility.

ADA's *Diabetes Core Update* and *Diabetes Care "On Air"* podcasts are available at diabetesjournals.org/journals/pages/podcasts.

Icons shown below appear on the first page of an article if more information is available online.



Video



Podcast



Supplementary Data



Companion Article

1251 Trends in Cystic Fibrosis–Related Diabetes Epidemiology Between 2003 and 2018 From the U.S. Cystic Fibrosis Foundation Patient Registry

C.L. Kohler, T. Vigers, L. Pyle, K. Miller, E.T. Zemanick, A. Moran, S.D. Sagel, and C.L. Chan

1260 Human Physiologic Responses to Insulin in Indigenous Americans Identify a Metabolic Susceptibility Profile Linked to Diabetes

V.L. Murthy, P. Piaggi, P. Lin, S. Zhao, L.K. Stolze, A.S. Perry, R.L. Hanson, J.J. Carr, J.G. Terry, L.J. Baier, C. Bogardus, C. Clish, E.R. Gamazon, J. Krakoff, and R.V. Shah

1273 One-Hour Plasma Glucose Predicts the Progression From Normal Glucose Tolerance to Prediabetes

M. Abdul-Ghani, M. Abu-Farha, T. Abdul-Ghani, A. Chavez-Velazquez, A. Merovci, R.A. DeFronzo, F. Alajmi, M. Stern, and F. Al-Mulla

1280 GLP-1R Polymorphisms Modify the Relationship Between Exposure to Gestational Diabetes Mellitus and Offspring BMI Growth: The EPOCH Study

K.K. Harrall, D.H. Glueck, L.A. Lange, E.M. Litkowski, L.A. Vanderlinden, I.R. Konigsberg, M.G. Cree, W. Perng, and D. Dabelea

1288 Association of Hospitalizations With Randomized Glycemia-Lowering Treatment in GRADE

D.S. Hsia, N. Younes, A. Ghosh, E.J. Kazemi, H. Krause-Steinrauf, J.B. Buse, C. Baker, J. Brown-Friday, E. Diaz, J. Diner, E.J. Groessl, E.A. Legowski, C.N. Mariash, A.H. Waltje, D.J. Wexler, and C.L. Martin, for the GRADE Research Group

e-Letters – Observations

- e88** Assessing Neighborhood Deprivation Reveals Rural-Urban Disparities in CGM Access Among Children With Type 1 Diabetes
D.R. Tilden, C.A. Befort, B. Lockee, A. Wagemode, D. Williams, and M.A. Clements

e-Letters – Comments and Responses

- e91** Comment on Pasanisi et al. Metformin Treatment With or Without Mediterranean Diet for the Prevention of Age-Related Diseases in People With Metabolic Syndrome: The MeMeMe Randomized Trial. *Diabetes Care* 2025;48:265–272
M.B. Davidson
- e92** Response to Comment on Pasanisi et al. Metformin Treatment With or Without Mediterranean Diet for the Prevention of Age-Related Diseases in People With Metabolic Syndrome: The MeMeMe Randomized Trial. *Diabetes Care* 2025;48:265–272
A. Oliverio, I. Baldassari, and P. Pasanisi
- e93** Comment on Komé et al. One Size Does Not Fit All: Understanding Microdosing Semaglutide for Diabetes in Multidose Pens
C. Tejera-Pérez
- e94** Comment on Abdelgani et al. Empagliflozin Reduces Liver Fat in Individuals With and Without Diabetes. *Diabetes Care* 2024;47:668–675
M. Kudomi and Y. Kataoka

Issues and Events

- 1295** Issues and Events