

HEALTH OUTCOME DIABETES

Below is a comprehensive list of evidence based literature that our team has compiled to show what social determinants of health affect your selected health outcome (Diabetes).

SDoH: Food Insecurity (Households with low access to healthy foods, Households receiving SNAP benefits far from a supermarket, Households without access to a vehicle far from a supermarket)

Young, C. F., Yun, K., Kang, E., Shubrook, J. H., & Dugan, J. A. (2018). Correlations Between A1C and Diabetes Knowledge, Diabetes Numeracy, and Food Security in a Vulnerable Type 2 Diabetes Population. *Diabetes spectrum: a publication of the American Diabetes Association*, 31(2), 177–183. doi:10.2337/ds17-0036

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5951226/>

Seligman, H. K., Jacobs, E. A., López, A., Tschann, J., & Fernandez, A. (2012). Food insecurity and glycemic control among low-income patients with type 2 diabetes. *Diabetes care*, 35(2), 233–238. doi:10.2337/dc11-1627

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3263865/>

Holben, D. H., & Taylor, C. A. (2015). Food insecurity and its association with central obesity and other markers of metabolic syndrome among persons aged 12 to 18 years in the United States. *J Am Osteopath Assoc*, 115(9), 536-43.

<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.930.7136&rep=rep1&type=pdf>

Moy, M., Fazli, J., Myrie, A., Lembrikova, K., Yang, G., & Markell, M. (2019). Food Security and Use of SNAP Benefits in Inner-City Patients with Diabetes: Associations with Gender, Social Support and Stress (P04-064-19).

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Myers, C. A. (2019). Understanding the importance of Food Insecurity among populations with diabetes. *Journal of diabetes and its complications*, 33(4), 340.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6615549/>

Jennings, V., Baptiste, A. K., Osborne Jelks, N., & Skeete, R. (2017). Urban Green Space and the Pursuit of Health Equity in Parts of the United States. *International journal of environmental research and public health*, 14(11), 1432. doi:10.3390/ijerph14111432

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5708071/>

Christine, P. J., Auchincloss, A. H., Bertoni, A. G., Carnethon, M. R., Sánchez, B. N., Moore, K., ... & Roux, A. V. D. (2015). Longitudinal associations between neighborhood physical and social environments and incident type 2 diabetes mellitus: the Multi-Ethnic Study of Atherosclerosis (MESA). *JAMA internal medicine*, 175(8), 1311-1320.

<https://jamanetwork.com/journals/jamainternalmedicine/article-abstract/2337256>

Boone-Heinonen, J., Diez-Roux, A. V., Goff, D. C., Loria, C. M., Kiefe, C. I., Popkin, B. M., & Gordon-Larsen, P. (2013). The neighborhood energy balance equation: does neighborhood food retail environment+ physical activity environment= obesity? The CARDIA study. *PLoS One*, 8(12), e85141.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0085141>

Nianogo, R. A., & Arah, O. A. (2018). Impact of public health interventions on obesity and type 2 diabetes prevention: a simulation study. *American journal of preventive medicine*, 55(6), 795-802.

<https://www.sciencedirect.com/science/article/abs/pii/S0749379718321275>

Wetherill, M. S., Williams, M. B., White, K. C., & Seligman, H. K. (2019). Characteristics of Households of People With Diabetes Accessing US Food Pantries: Implications for Diabetes Self-management Education and Support. *The Diabetes Educator*, 0145721719857547.

<https://journals.sagepub.com/doi/abs/10.1177/0145721719857547>

Walker, R. J., Campbell, J. A., & Egede, L. E. (2019). Differential Impact of Food Insecurity, Distress, and Stress on Self-care Behaviors and Glycemic Control Using Path Analysis. *Journal of General Internal Medicine*, 34(12), 2779-2785.

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Berkowitz, S. A., Baggett, T. P., Wexler, D. J., Huskey, K. W., & Wee, C. C. (2013). Food insecurity and metabolic control among US adults with diabetes. *Diabetes care*, 36(10), 3093-3099.

<https://care.diabetesjournals.org/content/36/10/3093.full>

Berkowitz, S. A., Meigs, J. B., DeWalt, D., Seligman, H. K., Barnard, L. S., Bright, O. J. M., ... & Wexler, D. J. (2015). Material need insecurities, control of diabetes mellitus, and use of health care resources: results of the Measuring Economic Insecurity in Diabetes study. *JAMA internal medicine*, 175(2), 257-265.

<https://jamanetwork.com/journals/jamainternalmedicine/article-abstract/2038987>

Seligman, H. K., & Schillinger, D. (2010). Hunger and socioeconomic disparities in chronic disease. *N Engl J Med*, 363(1), 6-9.

<https://championprovider.ucsf.edu/sites/champion.ucsf.edu/files/Seligman%20%26%20Schillinger%2C%202010.pdf>

SDoH: Neighborhood Walkability

Booth, G. L., Creatore, M. I., Luo, J., Fazli, G. S., Johns, A., Rosella, L. C., ... & Austin, P. C. (2019). Neighbourhood walkability and the incidence of diabetes: an inverse probability of treatment weighting analysis. *J Epidemiol Community Health*, 73(4), 287-294.

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Den Braver, N. R., Lakerveld, J., Rutters, F., Schoonmade, L. J., Brug, J., & Beulens, J. W. J. (2018). Built environmental characteristics and diabetes: a systematic review and meta-analysis. *BMC medicine*, 16(1), 12.

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Lê-Scherban, F., Ballester, L., Castro, J. C., Cohen, S., Melly, S., Moore, K., & Buehler, J. W. (2019). Identifying neighborhood characteristics associated with diabetes and hypertension control in an urban African-American population using geo-linked electronic health records. *Preventive medicine reports*, 15, 100953.

<https://www.sciencedirect.com/science/article/pii/S2211335519301251>

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Glazier, R. H., Creatore, M. I., Weyman, J. T., Fazli, G., Matheson, F. I., Gozdyra, P., ... & Booth, G. L. (2014). Density, destinations or both? A comparison of measures of walkability in relation to transportation behaviors, obesity and diabetes in Toronto, Canada. *PloS one*, 9(1), e85295.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0085295>

Creatore, M. I., Glazier, R. H., Moineddin, R., Fazli, G. S., Johns, A., Gozdyra, P., ... & Booth, G. L. (2016). Association of neighborhood walkability with change in overweight, obesity, and diabetes. *Jama*, 315(20), 2211-2220.

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Saelens, B. E., & Handy, S. L. (2008). Built environment correlates of walking: a review. *Medicine and science in sports and exercise*, 40(7 Suppl), S550.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2921187/>

Shalowitz, M. U., Eng, J. S., McKinney, C. O., Krohn, J., Lapin, B., Wang, C. H., & Nodine, E. (2017). Food security is related to adult type 2 diabetes control over time in a United States safety net primary care clinic population. *Nutrition & diabetes*, 7(5), e277.

<https://www.nature.com/articles/nutd201718>

Müller-Riemenschneider, F., Pereira, G., Villanueva, K., Christian, H., Knuiiman, M., Giles-Corti, B., & Bull, F. C. (2013). Neighborhood walkability and cardiometabolic risk factors in Australian adults: an observational study. *BMC public health*, 13(1), 755.

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Shah, R., Luo, J., Gerstein, H. C., & Booth, G. (2018). Neighborhood Walkability and Diabetes-Related Complications.

https://diabetes.diabetesjournals.org/content/67/Supplement_1/309-OR.abstract

Sallis, J. F., Cerin, E., Conway, T. L., Adams, M. A., Frank, L. D., Pratt, M., ... & Davey, R. (2016). Physical activity in relation to urban environments in 14 cities worldwide: a cross-sectional study. *The Lancet*, 387(10034), 2207-2217.

<https://www.sciencedirect.com/science/article/pii/S0140673615012842>

Gucciardi, E., Vahabi, M., Norris, N., Del Monte, J. P., & Farnum, C. (2014). The intersection between food insecurity and diabetes: a review. *Current nutrition reports*, 3(4), 324-332.

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