International Diabetes Federation Europe

DIABETES IN WOMEN

A heavy toll across the life course



4.5 years

later diagnosis than men for diabetes and other metabolic diseases [9]



A **13%**

greater risk of all-cause mortality compared to men living with diabetes [6]

Women with abnormal HbA1c values were



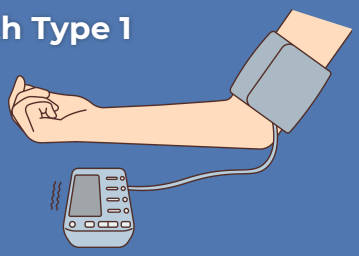
3x

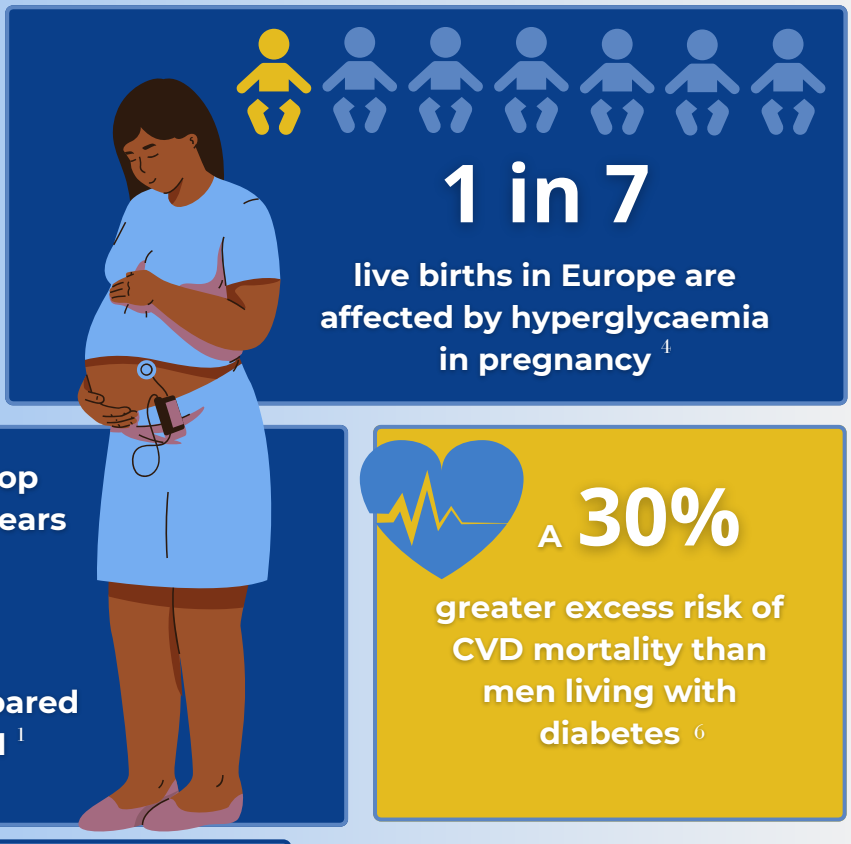
more likely to develop yeast infections than women with normal values [7]

Women living with Type 1 Diabetes are

4x

more likely to develop pre-eclampsia than women without diabetes [3]





1 in 7

live births in Europe are affected by hyperglycaemia in pregnancy [4]

1/2 of women with GDM* will develop Type 2 Diabetes (T2D) within 5 years of giving birth. [1]

Their children are **6x** more likely to develop T2D and childhood obesity compared to children born to mothers without GDM [1]

*Gestational Diabetes Mellitus

A **30%**

greater excess risk of CVD mortality than men living with diabetes [6]



2x

more likely to develop eating disorders than if they didn't live with diabetes [5]

Women living with diabetes have a **1/3**

higher likelihood of developing depression compared to men living with diabetes [2]





Women living with T2D have a

19%

greater risk to develop vascular dementia than men living with T2D [8]

Non-European/Global Studies

Sources

1. Women and Diabetes in the EU; European Institute of Women's Health (EIWH); Policy Brief Eurohealth
2. Sartorius, N. (2018). Depression and diabetes. Dialogues in Clinical Neuroscience, 20(1), 47–52. https://doi.org/10.31887/dcns.2018.20.1/nsartorius
3 Callesen, N., Vestgaard, M., Nørgaard, S. K., Damm, P., Mathiesen, E. R., & Ringholm, L. (2023). Prediction and prevention of preeclampsia in women with preexisting diabetes: the role of home blood pressure, physical activity, and aspirin. Frontiers in Endocrinology, 14. https://doi.org/10.3389/fendo.2023.1166884
4 MEPs Mobilising for Diabetes; IDF Atlas factsheet – Diabetes in Europe 2021
5 Gagnon C, Aimé A, Bélanger C. Predictors of Comorbid Eating Disorders and Diabetes in People with Type 1 and Type 2 Diabetes. Can J Diabetes. 2017 Feb;41(1):52-57. doi: 10.1016/j.jcjd.2016.06.005. Epub 2016 Sep 7. PMID: 27614805.
6 Wang, Y., O'Neil, A., Jiao, Y. et al. Sex differences in the association between diabetes and risk of cardiovascular disease, cancer, and all-cause and cause-specific mortality: a systematic review and meta-analysis of 5,162,654 participants. BMC Med 17, 136 (2019). https://doi.org/10.1186/s12916-019-1355-0
7 De Leon, E. M., Jacober, S. J., Sobel, J. D., & Foxman, B. (2002). Prevalence and risk factors for vaginal Candidacolonization in women with type 1 and type 2 diabetes. BMC Infectious Diseases, 2(1). https://doi.org/10.1186/1471-2334-2-1
8 Chatterjee S, Peters SA, Woodward M, Mejia Arango S, Batty GD, Beckett N, Beiser A, Borenstein AR, Crane PK, Haan M, Hassing LB, Hayden KM, Kiyohara Y, Larson EB, Li CY, Ninomiya T, Ohara T, Peters R, Russ TC, Seshadri S, Strand BH, Walker R, Xu W, Huxley RR. Type 2 Diabetes as a Risk Factor for Dementia in Women Compared With Men: A Pooled Analysis of 2.3 Million People Comprising More Than 100,000 Cases of Dementia. Diabetes Care. 2016 Feb;39(2):300-7. doi: 10.2337/dc15-1588. Epub 2015 Dec 17. PMID: 26681727; PMCID: PMC4722942.
9. Westergaard, D., Moseley, P. L., Sørup, F. K. H., Baldi, P., & Brunak, S. (2019). Population-wide analysis of differences in disease progression patterns in men and women. Nature Communications, 10(1). https://doi.org/10.1038/s41467-019-08475-9