Data on the use of dietary supplements in Danish patients with type 1 and type 2 diabetes


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Data on the use of dietary supplements in Danish patients with type 1 and type 2 diabetes

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Abstract

The data in this article describe the use of dietary supplements in Danish patients with type 1 diabetes (T1D) and type 2 diabetes (T2D). The data were collected from a web-based dietary survey on dietary habits in 774 patients with T1D (n = 426) and T2D (n = 348). The data demonstrate that 99% of the patients with diabetes use dietary supplements with no gender differences. In comparison, only 64% in the general population use dietary supplements [2].

A higher proportion of people in the general population use multivitamin/mineral supplementation as compared to patients with diabetes (48% vs. 34–37%) and a higher proportion of women than men with diabetes use multivitamin/mineral supplementation (T1D: 43% women vs. 26% men and T2D: 45% women vs. 34% men). More patients with diabetes than the general population use supplements such as calcium together with vitamin D, vitamin D,
vitamin B, vitamin C, vitamin E, magnesium, calcium, Q10, ginger, garlic, and other herbal supplements.

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Value of the data

- The data presented in this article provide new information about the use of dietary supplementation in patients with type 1 and type 2 diabetes.
- The data provide important new evidence for differences in use of dietary supplementation between men and women.
- The data can be used to identify differences in the use of different dietary supplementation in patients with diabetes and the general population.
- The data can be used by clinicians and academia for further research and as reference.

1. Data

The data article presents data on the intake of dietary supplementation in adult Danish patients with T1D and T2D. In Table 1, the percentage of dietary supplementation among male and female patients with T1D and T2D are presented. The supplementations are divided into all dietary supplements, multivitamin/mineral supplements, fish oil, calcium together with vitamin D, vitamin D and other supplements including herbal supplements. The data are compared with previous reported data on intake of dietary supplements in the general Danish population [2] based on the Danish National Survey of Dietary Habits in Denmark 2003–2008 [3].

2. Experimental design, materials and methods

Data on use of dietary supplementation were collected in a cross-sectional dietary study of patients with T1D and T2D [1]. Data on the type of diabetes and gender were extracted from an electronic medical
record in the outpatient clinic where the participants were recruited from. Participants were asked to report the use of all dietary supplements. Response to the use of the presented dietary supplements in Table 1 (yes/no) was mandatory. Furthermore, participants were asked to report the use of other dietary supplements (open-ended questions category). Data on the use of dietary supplements were compared between men and women with T1D and T2D by using the Chi-square test for differences in proportions. A two-sided significance level of \( p < 0.05 \) was used. All statistical analyses were performed with the SPSS software for Windows, version 22.0 (IBM Corp, Armonk, NY, USA).

### Acknowledgements

The authors thank the patients with T1D and T2D in the outpatient clinic who participated in the survey and provided data for this data article. We also thank the clinic at Steno Diabetes Center Copenhagen for funding.

### Transparency document. Supporting information

Transparency document associated with this article can be found in the online version at https://doi.org/10.1016/j.dib.2018.11.144.
References

