

The incidence of type 1 diabetes in the pediatric population in Pomeranian region in Poland

Brandt Agnieszka, Derkowska Ilona, Myśliwiec Małgorzata
Clinic of Pediatrics, Diabetology and Endocrinology
Medical University of Gdansk, Poland

BACKGROUND

It is observed from nearly 50 years that the incidence of diabetes worldwide is increasing.

Also the incidence of type 1 diabetes, which is most common in paediatric population, rises across Europe.

AIM

The aim of the study was to analyze the incidence of type 1 diabetes in Poland in Pomeranian province in the years 2005, 2010 and 2015.

The hypothesis was an increased incidence of type 1 diabetes.

METHODS

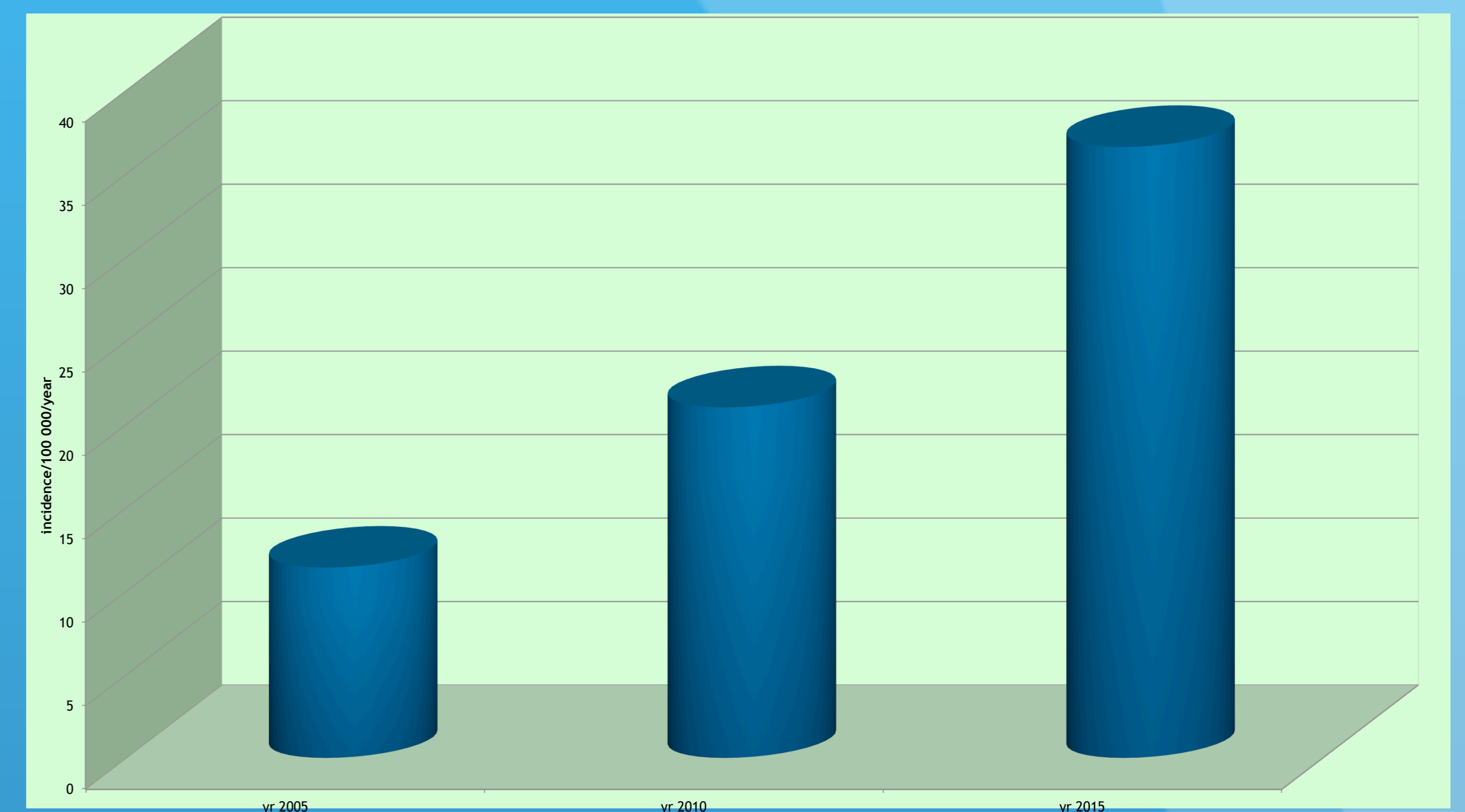
Data from the years 2005, 2010 and 2015 was analysed and the number of new cases of diabetes diagnosed in children in Pomerania was calculated.

RESULTS

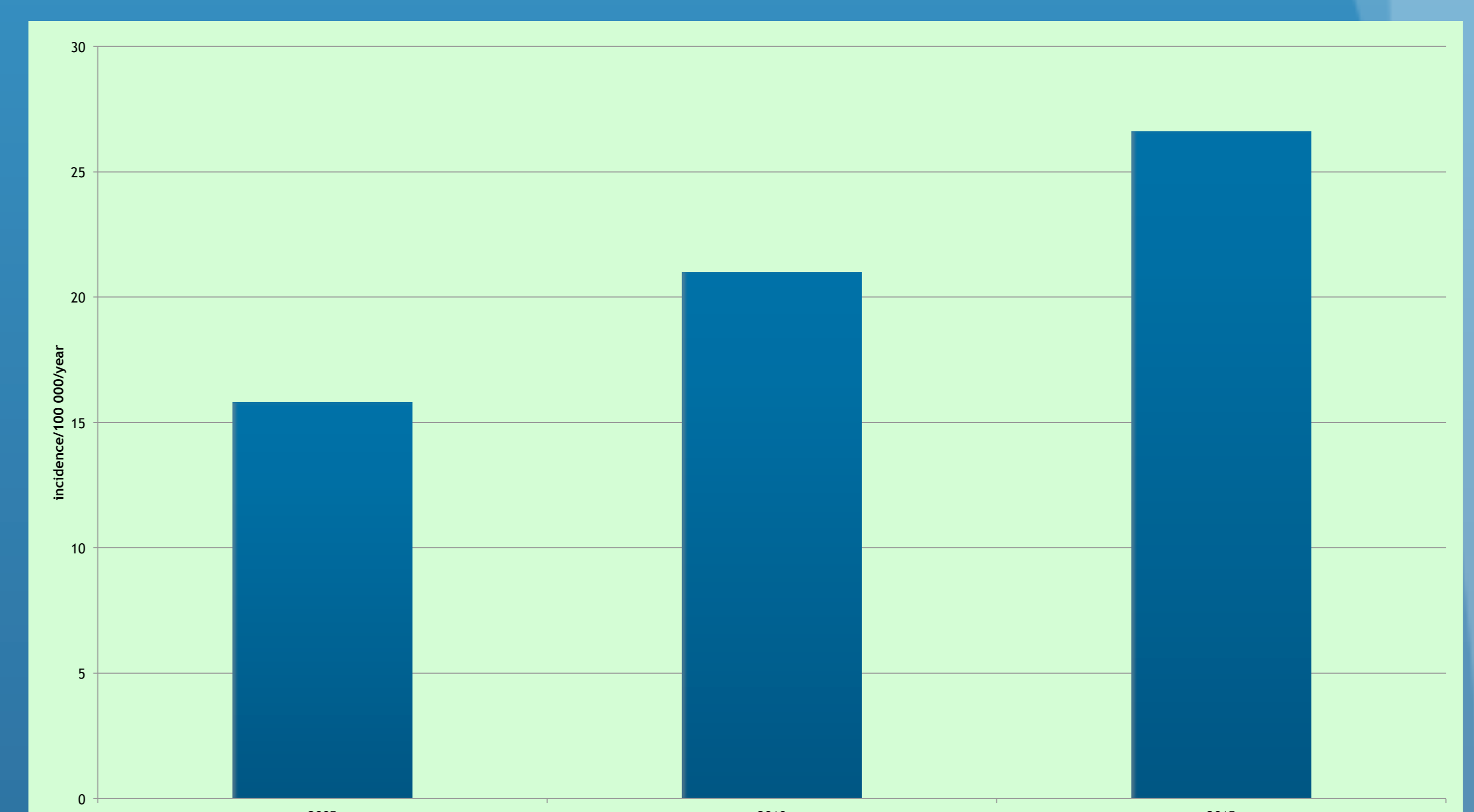
In 2005, type 1 diabetes was diagnosed in 67, in 2010 in 85 and in 2015 in 115 children in Pomerania Province.

Age group/ year	2005	2010	2015
0-4	13	25	17
5-9	22	24	49
10-14	25	29	33
15-18	7	7	15

New cases of diabetes in Pomerania Region, Poland.



Incidence of diabetes in group aged between 5 and 9 yrs.
The highest increase in incidence was reported in group aged 5-9 years from 11.4/100 000 in 2005 and 21/100 000 in 2010 to 36.8/100 000 in 2015.



Incidence of diabetes in group aged between 0-14 yrs.
In the group aged 0-14 years, the incidence of diabetes has changed from 15.8/100 000 in 2005 and 21/100 000 in 2010 to 26.6/100 000 in 2015.

CONCLUSION

The incidence of type 1 diabetes increased in the last 10 years in Pomeranian Province in Poland. The increase was noted particularly in the group aged 5 to 9 years old.

E-mail: abrandt@gumed.edu.pl