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

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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.

<table>
<thead>
<tr>
<th>Age group/year</th>
<th>2005</th>
<th>2010</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4</td>
<td>13</td>
<td>25</td>
<td>17</td>
</tr>
<tr>
<td>5-9</td>
<td>22</td>
<td>24</td>
<td>49</td>
</tr>
<tr>
<td>10-14</td>
<td>25</td>
<td>29</td>
<td>33</td>
</tr>
<tr>
<td>15-18</td>
<td>7</td>
<td>7</td>
<td>15</td>
</tr>
</tbody>
</table>

New cases of diabetes in Pomerania Region, Poland.

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.

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.

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