



Introduction to Research: **BMHP5005**

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LITERATURE REVIEW FOCUS

- ▶ Literature focus

This literature review is about diabetes type 2 affecting children and adolescents in recent years.

- ▶ Research Question:

Why is there a rise in children with type 2 diabetes, and what are the causing factors in children and young people?

- ▶ Secondary research utilizing quantitative and qualitative articles and journals which emphasized on type 2 diabetes in children and adolescents.

METHODS

► **KEY WORDS:**

Hereditary, Diabetes type 2, Children, adolescence, eating habits, diet, insulin and weight gain.

► **DATA SOURCES:**

Google scholar, PubMed, ScienceDirect, University library, Published medical journals

► **INCLUSION CRITERIA:**

The research is based on articles on children with diabetes type 2 aged between 0-19 years.

► **EXCLUSION CRITERIA:** Articles regarding adults with type 2 diabetes, non-English written articles and journals or articles above ten years were excluded.

AIMS AND OBJECTIVES

AIM

- ▶ To identify the factors contributing to type 2 diabetes in young people and exploring the different causes including dietary habits and lifestyle.

OBJECTIVES

- ▶ To perform a literature review on varieties of literature from a variety of sources in order to find out the prevalence of type 2 diabetes within that age group(0- 19 years).

FINDINGS

1. Children need the support of their parents in managing their diabetes (Turner et al., 2014).
2. The high prevalence of type 2 diabetes in children and adolescents is worldwide(Reinehr, 2013).
3. With appropriate intervention, Type 2 diabetes in children can be reversible (Temneanu, Trandafir and Purcarea, 2016).
4. Most children and adolescents affected by type 2 diabetes are obese (Pulgaron and Delamater,2014; Diabetes UK,2019).
5. The causes of diabetes in children is comparable to that in adults (Brufani et al., 2010).

KEY THEMES

1. Insulin resistance
2. Incidence and prevalence among children and adolescents
3. Risk factors of diabetes in children
4. Asymptomatic and diagnosis of type 2 diabetes in children
5. Glucose tolerance