It is estimated that 542,000 children under the age of 15 have type 1 diabetes worldwide. In some countries where there is limited access to insulin, life expectancy for a child with type 1 diabetes is very short.

Unlike type 2 diabetes, type 1 diabetes is not related to lifestyle or being overweight, and there is no known way to prevent it. Insulin therapy is the only effective treatment for type 1 diabetes. People with type 1 diabetes cannot survive without daily doses of insulin. However, managing diabetes requires more than insulin. A person with diabetes must follow a structured self-management plan that includes insulin use, blood glucose monitoring, physical activity and a healthy diet.

In many low-resource countries, children lack access to insulin, blood glucose monitoring and appropriately trained health professionals. This can lead to poor blood glucose control and subsequent severe health complications and early death.

Changing Diabetes® in Children (CDiC) is a public–private partnership initiative launched by Novo Nordisk in 2009. Global partners include Roche, the International Society for Pediatric and Adolescent Diabetes (ISPAD) and the World Diabetes Foundation (WDF). In each country, the programme is implemented by a group of local partners, with the national ministry of health playing a key role to ensure that the programme is anchored within the existing healthcare system.

How the programme is set up in the individual countries varies according to the geography of the country and the infrastructure available within the existing healthcare system.

542,000
children have type 1 diabetes worldwide

86,000
children are estimated to develop type 1 diabetes worldwide each year

3% increase
in incidence each year

> 14,000
children enrolled in the CDiC programme

> 8,500
healthcare professionals trained

108
type 1 diabetes clinics established

Numbers are as per July 2016
CDIC PROGRAMME COMPONENTS

CDiC aims to bring all elements of necessary diabetes care closer to the children who need it and, at the same time, build capacity for the diagnosis and treatment of children with type 1 diabetes at both community and country level.

**Training and education of healthcare professionals** and diabetes educators to develop diagnostic skills and the expertise to manage type 1 diabetes in children.

**Provision of human insulin and blood glucose monitoring equipment and supplies** to the children for the duration of the programme.

**Advocacy and good practice sharing** of insights gained into developing healthcare interventions specific to minority populations such as children with diabetes in low-resource settings.

**Patient registry system** to facilitate systematic data collection and patient follow-up.

**Improvement of existing infrastructure** and supply of medical and laboratory equipment to establish dedicated centres for the treatment of children with type 1 diabetes.

**Patient education** material for children and their families, adapted to the local context.

CDIC COUNTRY PROJECT OVERVIEW

**Africa**

- **Senegal** 2017
- **Guinea** 2010
- **Ivory Coast** 2017
- **Cameroon** 2010
- **Democratic Republic of Congo** 2009

**Asia**

- **India** 2011
- **Bangladesh** 2009
- **Cambodia** 2017
- **Sudan** 2017
- **Ethiopia** 2011
- **Uganda** 2009
- **Kenya** 2012
- **Tanzania** 2010
- **Myanmar** 2017

Discover more about Changing Diabetes® in Children at novonordisk.com/cdic

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References: