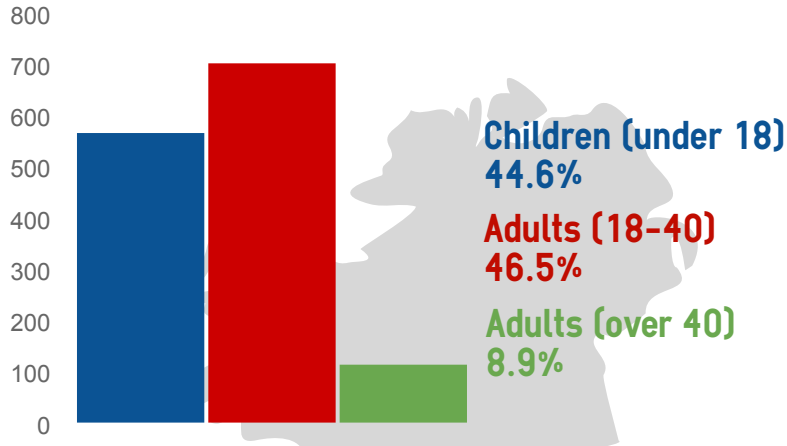
CYSTIC FIBROSIS

IRELAND STATISTICS

based on the 2016 CF Registry of Ireland Annual Data Report

In **2016** there were approximately 1,300 individuals living with CF



The median age of this population: **20.2** years

The median age of diagnosis: **0.33** years

WORLD STATISTICS

Nº 1 leading genetic disease in the world

70,000 people in the world have CF

CF has the highest prevalence in North America, Europe, and Australia

Ireland has the **HIGHEST** incidence of CF **per capita in the WORLD**

WHAT IS CYSTIC FIBROSIS?

An inherited, chronic disease that affects primarily the lungs and digestive tract

CAUSE: A molecular mutation in the CFTR gene

CFTR: Cystic Fibrosis Transmembrane Conductance Regulator

EFFECT: The thickening and build-up of mucus

Water does not diffuse through cells properly

RESULT: Improper digestion and respiratory inflammation

This is correlated with malabsorption and lung infection

DIAGNOSIS

1. Newborn Screening Test
2. Sweat Chloride Test
3. Blood Test

GENETICS

The mutation is an *autosomal, recessive mutation* meaning both of the parents' chromosomes must contain a CFTR mutation

In Ireland...

- 1/19 people are carriers of the CF mutation
- There is a *25% chance* of 2 carriers having a child with CF

SYMPTOMS