

# Enterovirus infection linked to incidence of T1DM in children

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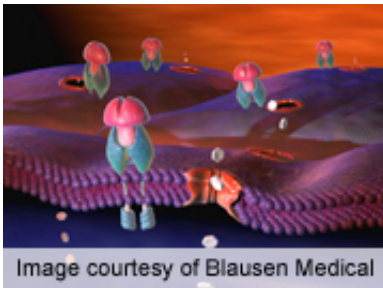


Image courtesy of Blausen Medical

(HealthDay)—The risk of type 1 diabetes is increased for children diagnosed with enterovirus infection, according to a study published online Oct. 17 in *Diabetologia*.

Hsiao-Chuan Lin, from China Medical University in Taiwan, and colleagues used insurance claims data from Taiwan's National Health Insurance Research database to examine the incidence of type 1 [diabetes](#). They compared the incidence rate in children aged up to 18 years with or without a diagnosis of enterovirus during 2000 to 2008.

The researchers found that the overall incidence of [type 1 diabetes](#) was 5.73 per 100,000 person-years in the enterovirus infection cohort and 3.89 per 100,000 person-years in the non-enterovirus infection cohort (incidence rate ratio, 1.48; adjusted hazard ratio, 1.48). With the

exception of children aged 5 to 10 years, the incidence increased with age at diagnosis of enterovirus infection. Children with [allergic rhinitis](#), bronchial asthma, or either one of these atopic diseases showed more variation in the hazard ratios of type 1 diabetes than children without these diseases.

"The results suggest that a preventive strategy, such as an effective vaccine against enterovirus infection, may lessen the incidence of type 1 diabetes in Taiwan," the authors write.

Several authors disclosed financial ties to the pharmaceutical industry.

**More information:** [Full Text](#)

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