

Rotavirus vaccination, type 1 diabetes not linked in children

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(HealthDay)—Rotavirus vaccination seems not to be associated with

type 1 diabetes in children, according to a study published online March 9 in *JAMA Pediatrics*.

Jason M. Glanz, Ph.D., from Kaiser Permanente Colorado in Aurora, and colleagues examined the potential association between rotavirus vaccination and incidence of type 1 diabetes in [children](#) aged 8 months to 11 years in a [retrospective cohort study](#) involving 386,937 children born between Jan. 1, 2006, and Dec. 31, 2014.

Of the participants, 93.1, 4.1, and 2.8 percent were fully exposed to rotavirus vaccination (received all recommended doses), partially exposed to rotavirus vaccination (received some recommended doses), and unexposed (did not receive any doses), respectively. The researchers identified 464 cases of type 1 diabetes in the cohort (incidence rate, 20.6 cases per 100,000 person-years). The adjusted hazard ratio was 1.03 (95 percent confidence interval, 0.62 to 1.72) for children fully exposed to rotavirus vaccination and 1.50 (95 percent confidence interval, 0.81 to 2.77) for children partially exposed to rotavirus vaccination compared with children unexposed to vaccination.

"Although rotavirus vaccination may not prevent type 1 [diabetes](#), these results should provide additional reassurance to the public that rotavirus vaccination can be safely administered to infants," the authors write.

One author disclosed financial ties to the biopharmaceutical industry.

More information: [Abstract/Full Text \(subscription or payment may be required\)](#)

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