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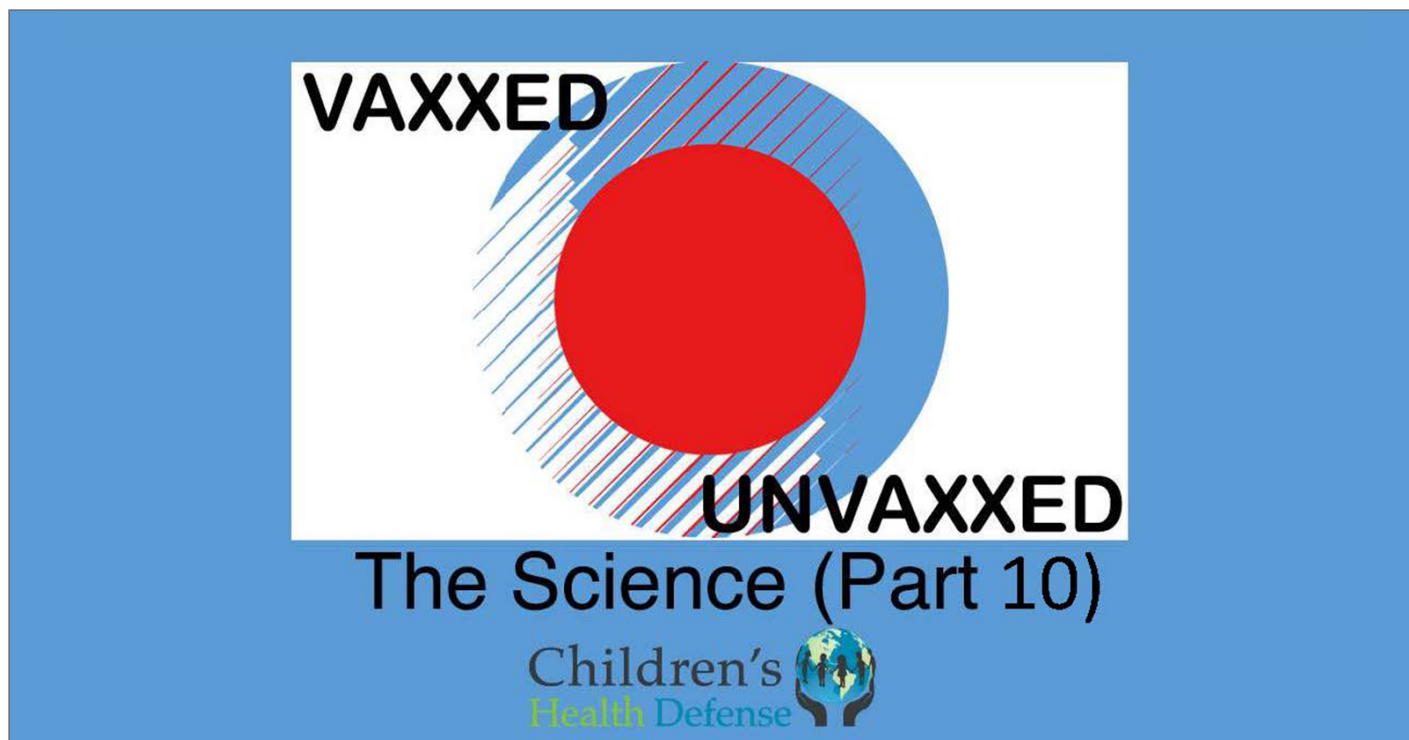
CHILDREN'S HEALTH DEFENSE NEWS & VIEWS

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06/04/20

## Vaccinated vs. Unvaccinated—Part 10

*A new peer-reviewed study by Hooker and Miller in the journal SAGE Open Medicine compares the health outcomes of vaccinated versus unvaccinated children from three large pediatric practices in the United States. The study concludes that unvaccinated children are healthier than their vaccinated peers.*



**By Robert F. Kennedy, Jr., Chairman, Children's Health Defense**

Vaccinated children are more likely to be diagnosed with developmental delays, asthma, and ear infections. A new peer-reviewed study by Hooker and Miller in the journal SAGE Open Medicine compares the health outcomes of vaccinated versus unvaccinated children from three large pediatric practices in the United States. The study concludes that unvaccinated children are healthier than their vaccinated peers. The researchers examined medical records for over 2000 children born between

November 2005 and June 2015. The scientists followed the children continuously for a minimum of 3 years from birth. The research team determined each child's vaccination status based on any vaccination received prior to one year of age. The unvaccinated group represented 30.9% of the total. Results show that vaccination before one year of age led to significantly increased odds of medical diagnoses for developmental delays, asthma and ear infections. Read the full press release with links to the study at [ChildrensHealthDefense.org](http://ChildrensHealthDefense.org). I have now posted over 60 vaccinated/unvaccinated studies on this site. All of them show dramatically better health in unvaccinated children. We have found no studies that show superior health outcomes in vaccinated children.

(See [full-sized Part 10 slides](#) or see the complete [Vaxxed-Unvaxxed presentation, Parts 1-10](#).)

## Slides and Summaries from Part 10:

### Slide 1 and Summary:

Vaccination during the first year of life increases the odds of developmental delays by 2.18x.

## Vaccination During the First Year of Life Increases the Odds of Developmental Delays by 2.18X

Original Article

SAGE Open Medicine  
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### Analysis of health outcomes in vaccinated and unvaccinated children: Developmental delays, asthma, ear infections and gastrointestinal disorders

Brian S Hooker<sup>1</sup> and Neil Z Miller<sup>2</sup>

**Abstract**  
Objective: The aim of this study was to compare the health of vaccinated versus unvaccinated pediatric populations. Methods: Using data from three medical practices in the United States with children born between November 2005 and June 2015, vaccinated children were compared to unvaccinated children during the first year of life for later incidence of developmental delays, asthma, ear infections and gastrointestinal disorders. All diagnoses utilized International Classification of Diseases-9 and International Classification of Diseases-10 codes through medical chart review. Subjects were a minimum of 3 years of age, stratified based on medical practice, year of birth and gender and compared using a logistic regression model. Results: Vaccination before 1 year of age was associated with increased odds of developmental delays (OR=2.18, 95% CI 1.47–3.24), asthma (OR=4.49, 95% CI 2.04–9.88) and ear infections (OR=2.13, 95% CI 1.63–2.78). In a quartile analysis, subjects were grouped by number of vaccine doses received in the first year of life. Higher odds ratios were observed in Quartiles 3 and 4 (where more vaccine doses were received) for all four health conditions considered, as compared to Quartile 1. In a temporal analysis, developmental delays showed a linear increase as the age cut-offs increased from 6 to 12 to 18 to 24 months of age (ORs = 1.95, 2.18, 2.92 and 3.51, respectively). Slightly higher ORs were also observed for all four health conditions when time permitted for a diagnosis was extended from ≥ 3 years of age to ≥ 5 years of age. Conclusion: In this study, which only allowed for the calculation of unadjusted observational associations, higher ORs were observed within the vaccinated versus unvaccinated group for developmental delays, asthma and ear infections. Further study is necessary to understand the full spectrum of health effects associated with childhood vaccination.

### Incidence of Developmental Delays in Vaccinated versus Unvaccinated Children

Group	Incidence per 100 Patients
Vaccinated	10.9
Unvaccinated	5.4

**Hooker and Miller, SAGE Open Medicine 2020**  
<https://doi.org/10.1177/2050312120925344>

**“Vaccination before 1 year of age was associated with increased odds of developmental delays (odds ratio, OR= 2.18, 95% CI 1.47–3.24), asthma (OR = 4.49, 95% CI 2.04–9.88) and ear infections (OR=2.13, 95% CI 1.63–2.78).”**

### Slide 2 and Summary:

Vaccination during the first year of life increases the odds of asthma by 4.49x.

# Vaccination During the First Year of Life Increases the Odds of Asthma by 4.49X

Original Article

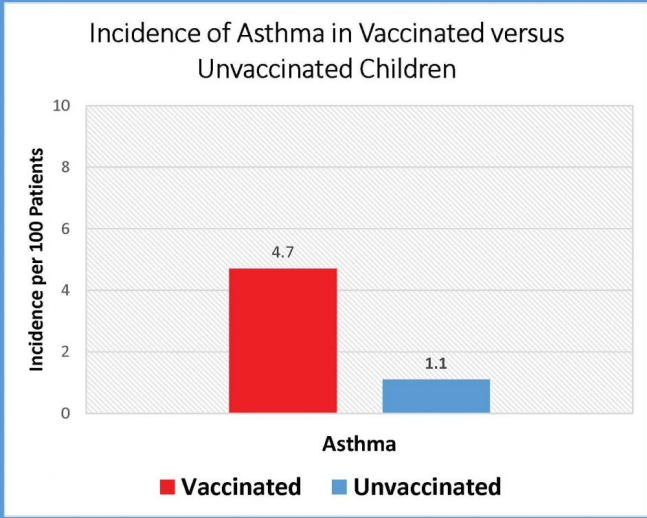
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Conclusion: In this study, which only allowed for the calculation of unadjusted observational associations, higher ORs were observed within the vaccinated versus unvaccinated group for developmental delays, asthma and ear infections. Further study is necessary to understand the full spectrum of health effects associated with childhood vaccination.



Hooker and Miller, SAGE Open Medicine 2020  
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Slide 3 and Summary:

Vaccination during the first year of life increases the odds of ear infections by 2.13x.

## Vaccination During the First Year of Life Increases the Odds of Ear Infections by 2.13X

Original Article

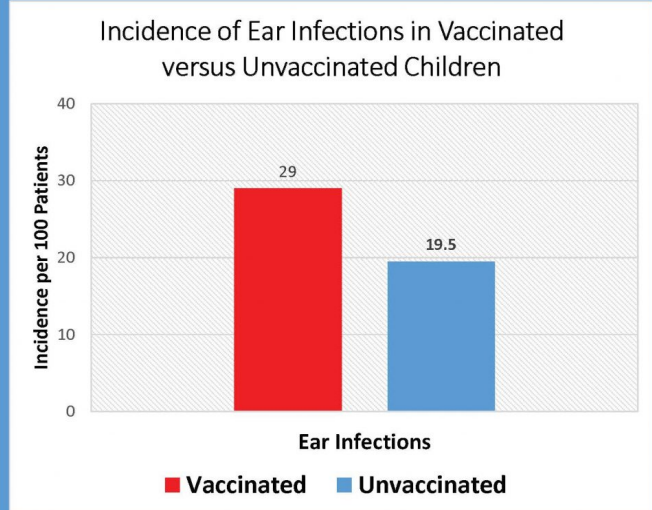
SAGE Open Medicine

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**Conclusion:** In this study, which only allowed for the calculation of unadjusted observational associations, higher ORs were observed within the vaccinated versus unvaccinated group for developmental delays, asthma and ear infections. Further study is necessary to understand the full spectrum of health effects associated with childhood vaccination.

Hooker and Miller, SAGE Open Medicine 2020  
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Slide 4 and Summary:



Vaccination during the first year of life increases the odds of gastrointestinal disorder by 2.48x.



## SUGGEST A CORRECTION

Asthma

Developmental disorders

Ear Infections

Gastrointestinal disorders

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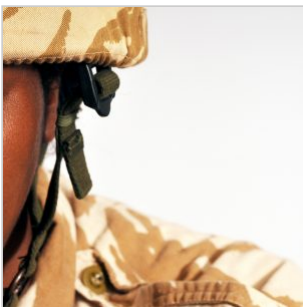
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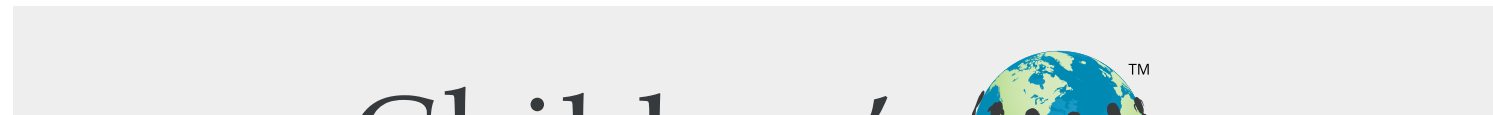


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