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Debunking Medical Myths: The Truth about Vaccines

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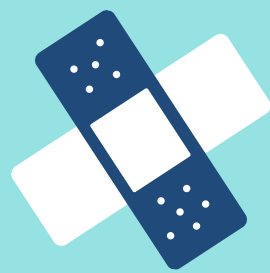
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THE TRUTH ABOUT VACCINES

Vaccine hesitancy is at an all-time high. Here are reasons why you **SHOULD** get vaccinated.



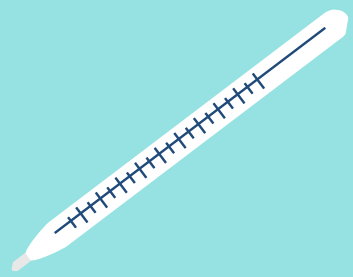
1 VACCINES SAVE MILLIONS OF LIVES

Before vaccines were discovered, millions of people around the world would die from communicable diseases. For example, before the measles vaccine was founded in 1963, 2.6 million people died from it each year. Now that number is down to about 140,000 according to the World Health Organization.



2 VACCINES ARE SAFE IN PREGNANT WOMEN

Flu and Tdap vaccines are very safe during pregnancy. Studies show there was no evidence of increased risk of maternal encephalitis/encephalopathy, autism, birth defects, or febrile seizures in infants.



3 VACCINES DO NOT CAUSE AUTISM

Contradictory to popular belief, no study has found a successful link to vaccines and autism. In a meta-analysis study involving more than 1 million children, there was no link found between the MMR vaccine and autism.



4 SERIOUS ADVERSE EVENTS ARE EXTREMELY RARE

There is no evidence supporting an association between the MMR vaccine and cognitive delay, type 1 diabetes, asthma, dermatitis/eczema, hay fever, leukemia, multiple sclerosis, gait disturbance, and bacterial or viral infections.



5 NOT GETTING VACCINATED PUTS OTHER PEOPLE AT RISK

Parent refusal of vaccines has contributed to outbreaks of vaccine-preventable diseases such as measles and pertussis.



References

Di Pietrantonj C, Rivetti A, Marchione P, Debalini MG, Demicheli V. Vaccines for measles, mumps, rubella, and varicella in children. *Cochrane Database of Systematic Reviews* 2020, Issue 4. Art. No.: CD004407. DOI: 10.1002/14651858.CD004407.pub4.

Gidengil C, Goetz MB, Newberry S, et al. Safety of vaccines used for routine immunization in the United States: An updated systematic review and meta-analysis. *Vaccine*. Published May 25, 2021; 39(28):3696-3716. <https://doi.org/10.1016/j.vaccine.2021.03.079>

Maglione MA, Das L, Raaen L, et al. Safety of vaccines used for routine immunization of US Children: A systematic review. *PEDIATRICS*. 2014;134(2):325-337. doi:10.1542/peds.2014-1079

Taylor LE, Swerdfeger AL, Eslick GD. Vaccines are not associated with autism: an evidence-based meta-analysis of case-control and cohort studies. *Vaccine*. 2014 Jun 17;32(29):3623-9. doi: 10.1016/j.vaccine.2014.04.085.