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ENG 1020

Anotated Bibliography

Holzmann, H., Hengel, H., Tenbusch, M., Doerr, H. W. (2016) Eradication of measles: remaining challenges. *Med Microbiol Immunol,* 205(3), 201-208.

I’ll be using this article to provide context for where we are today in terms of our next goals for eradication of measles. This article has displayed promising statistics to prove the effectiveness of vaccinations and the number of lives it has saved. Through the vaccination projects to eradicate measles, we have been able to prevent 400,000 deaths per year as of the year 2014. This numbers are gradually increasing as the data in this article shows. This article also presents the case where vaccination has to be a global effort. This further contextualizes the issues of vaccinations today. The conflicts of the various nations and outbreaks of other diseases have dampened the efforts of the world’s goals to eradicate vaccination. As this article suggests these values across the world can achieve very promising results if efforts were to continue. These reassuring statistics give hope to the benefits of vaccination in today’s world.

Offit, Paul A., Jew, Rita K. (2003). Addressing Parents’ Concerns: Do Vaccines Contain Harmful Preservatives, Adjuvants, Additives, or Residuals? *PEDIATRICS,* 112 (6), 1394-1401.

I’ll be using this article to assess the claims that the adjuvants and additives of vaccines are not at toxic levels in the vaccines. This article emphasizes the strict regulations that are enforced to ensure the safety of vaccinations. The various results and test from animals have revealed how much of these adjuvants were safe for exposure. Studies have determined that mice could be fed 62 mg/kg/day of aluminum with damaging results. As these levels were confirmed, scientists ensured that even lower levels of that adjuvant is used in vaccines to further improve safety of their exposure and administration. Scientists, with cautionary standards, approved the minimum level of exposure to be 2 mg/kg/day. This safety ensures that vaccines don’t contain too high levels of aluminum. The studies also revealed that hypersensitivity to gelatin was accompanied by allergies a patient has more than the direct effects of a vaccine. This article will assist me in supporting my argument of the safety of vaccinations.

ReinHardt, Bob H. (2010). The Global Great Society and the US commitment to smallpox eradication. *Endeavour*, 34 (4), 162-172.

This article will be used to strengthen my argument by displaying the success of vaccination thus far. The struggles in West Africa with the outbreak of measles and smallpox severely impacted the population. The deaths were increasing until the smallpox vaccination program was introduced. The data gathered demonstrated the rather quick decline of deaths as the rates of vaccinations went up. Reinhardt further expresses that vaccination has to be a global effort as it contributes to containing and eventually eradicating the disease. If remnants of the population refuse the vaccination this success of the eradication of smallpox wouldn’t have been possible. The eradication of smallpox was a success that is still seen as an inspiring triumph today. This success has been the motivation to further the efforts of humanity to eradicate more diseases that have caused many unnecessary deaths. The struggle that saved over 800,000 lives has given the reason for the advancing agenda for vaccination to now eradicate measles. However, the conflict across nations and the outbreaks of other diseases has slowed our progress. This process of eradication has to be a global effort.

Fefferman, Nina H., Naumova, Elena N. (2015). Dangers of vaccine refusal near the herd immunity threshold: a modelling study. Lancent Infectious Diseases, 15 (8), 922-926.

This article will help me in establishing support for my argument that vaccines result in safer communities. Through thorough analysis, studies have found that the possibility of an outbreak is much smaller as the rate of vaccinations in the population increases. Dr. Fefferman explains that when a larger percentage of the population is vaccinated, the outbreaks that may occur are contained to those that are not vaccinated and controlled easily. The mathematical analysis performed by Dr. Fefferman and Dr. Naumova revealed that the relative probability of the spread outbreak dramatically decreases as the rate of vaccinations increases.

Cook, Larry D. (2015). The dangers of vaccines and vaccination. Retrieved from: <http://www.stopmandatoryvaccination.com/vaccine-dangers/>

This article counters the positive efforts for the vaccinations done in the modern world. Cook expresses his views on vaccinations and attributes the eradication of smallpox and decrease in the presence of other diseases to better hygiene and sanitary conditions. Through his discussion, Cook deliberates his opinion that vaccines don’t work, aren’t safe, and impede the immunological development of infants. According to Cook, this impediment occurs since infants are introduced to the world filled with bacteria and diseases that are warded off by vaccinations rather than their own immune system. He also explains that the toxic levels of mercury and aluminum in vaccines cause autism and other neurological defects. Another message Cook advocates is that vaccines cause anaphylactic shock, fevers, and death. These accusations are loosely supported by Cook as he goes on to exclaim his distrust of the doctors by saying that they dismiss any negative consequences of vaccines even if clearly apparent in patients.