

COVID-19 Vaccine Resources / Information Sources

Article Title	Description	Link
CDC Children/Teenagers Recommendation	<ul style="list-style-type: none"> • Everyone 12 years and older should get a vaccine • Vaccines are safe and effective • Pfizer vaccine has an estimated efficacy of 100% in preventing symptomatic COVID-19 in 12 - 15 year olds 	COVID-19 Vaccines for Children and Teens CDC
New York Times Article	<ul style="list-style-type: none"> • FDA has given emergency authorization only to Pfizer-BioNTech vaccine for children 12-17 year olds • Moderna Vaccine likely to be given emergency authorization in coming weeks and recently finished stage III clinical trails for children aged 12-17 year olds • Johnson and Johnson began 2a clinical trials in April • Pfizer seeking emergency authorization for children 2 to 11 by end of September; Moderna is hoping for authorization by the end of the year • COVID vaccine may be administered without regard to timing 	Children and the Covid Vaccine: What Parents Need to Know - The New York Times (nytimes.com) https://www.nytimes.com/article/kids-covid-vaccine.html
Pfizer Press Release for Vaccine Administration in Adolescents	<ul style="list-style-type: none"> • 2,260 participants aged 12-15 • 18 cases of COVID-19 in placebo group (n=1,129) versus 0 in vaccinated group (n=1,131) <p>Update on Phase 1/2/3 Study for Children 6 months to 11 years old</p> <ul style="list-style-type: none"> • Evaluation of safety, tolerability and immunogenicity on 2 dose schedule • Study began in late March, data looking promising but no press release has been posted by Pfizer 	Pfizer-BioNTech Announce Positive Topline Results of Pivotal COVID-19 Vaccine Study in Adolescents pfpfizeruscom
Moderna COVID-19 Vaccine in Adolescents Press Release	<ul style="list-style-type: none"> • Phase 2/3 study has met primary endpoint and plans to submit data to regulators • 3,732 participants aged 12 to 18 years old • After 2 doses, no COVID019 cases were detected in the vaccine group compared to 4 cases in placebo group • 100% efficacy after 2 doses, 93% efficacy after 1 dose • No significant safety concerns have been identified date 	Moderna Announces TeenCOVE Study of its COVID-19 Vaccine in Adolescents Meets Primary Endpoint and Plans to Submit Data to Regulators in Early June Moderna, Inc. (modernatx.com)

	<ul style="list-style-type: none"> Majority of adverse affected were mild to moderate and included headache, fatigue, myalgia and chills Safety data will continue to be monitored with participants 	
Possible explanation for rare COVID-19 response in children	<ul style="list-style-type: none"> One in 1,000 children who experience symptomatic COVID-19 infection experience multi system inflammatory response (MIS-c) four to six weeks after infection Children who experienced MIS-c had high levels of alarmins, a part of the innate immune system Authors speculate that high levels of alarmins during initial COVID-19 infection lead to tissue damage and increased immune response which can lead to autoimmune symptoms 	Rare COVID-19 response in children explained -- ScienceDaily
Children's Immune Response more effective against COVID-19	<ul style="list-style-type: none"> Higher levels of cytokines Interleukin 17 and Interferon gamma were seen in younger patients Adults had more vigorous adaptive immune response including higher neutralizing antibody levels Children who experienced MIS-c also had high levels of IL-17 and Interferon gamma Source of IL-17 and interferon gamma is still unknown Article suggest that children's stronger innate immune response may protect from COVID progressing to severe pulmonary disease 	Children's immune response more effective against COVID-19 -- ScienceDaily
CDC Expects Vaccines for Younger Children by end of year of early 2022	<ul style="list-style-type: none"> Vaccine authorization and completion of phase 1/2/3 clinical trials expected to be completed by late 2021 and early 2022 	Fauci Says He Expects Vaccines For Younger Children By The End Of Year Or Early 2022 : Coronavirus Updates : NPR
Vaccine Rate Disparities Among Zip Codes	<ul style="list-style-type: none"> Underserved and disadvantages communities have lower vaccination rates 	Counties work to lessen vaccine rate disparities among zip codes abc10.com
Graphic of Vaccine Rates by Zip Code, age and race	<ul style="list-style-type: none"> 95448 (Healdsburg) has 82.6% with at least one dose and 69.3% with two doses 95492 (Windsor) has 77% with at least one dose and 63.4% with two doses Neighboring zip codes are generally lower vaccine rates Black and Latino are the lowest vaccinated group with only around 37% having at least one dose 	Tracking California COVID-19 vaccine distribution - Los Angeles Times (latimes.com) https://socoemergency.org/emergency/novel-coronavirus/vaccine-information/vaccine-data/

	<ul style="list-style-type: none">• Asian or Pacific Islander highest vaccination rate with 64% having one dose	
Coronavirus Variants of Concern	<ul style="list-style-type: none">• List of COVID-19 variants and associated vaccine efficacy• Great graphic and easy to understand article regarding COVID variants	Pfizer, Moderna vaccines effective against Indian variants: study - France 24