




DEFEATING COVID - 19

Key things to
know about
the Covid
Vaccine and
Kids

Financial Disclosure

I work for Horizon Pharmaceuticals



**Total pediatric
cases in the US**

15,518,851

As of Sept 16, 2021



60,440

Total hospitalizations since 8/1/2020

544

Deaths

Data from [cdc.gov](https://www.cdc.gov)



COVID-19 Vaccine Pfizer Brand

**Currently available for 12 and up
Soon for 5- 12 year olds**

12 and older

Same dose as adults
2 shots, 3 weeks apart
Side effect profile similar to adult
except for increased incidence of
myocarditis



5 - 12 year olds

1/3 dose of the adult version
Same immune response
2 shots, 3 weeks apart
Decreased side effect profile; not
enough data about myocarditis

FORGO VACCINE: REASON #1

TOO FAST/NOT TESTED

Expedited process due to removal of barriers:

- **Financial**
- **Ease of finding enrollees**
- **Same number of people in the studies**
- **Same scrutiny by FDA/CDC**
- **Same approval process**



COVID IS MILD

- **Lost school time**
- **School/classroom closures**
- **MIS-C**
- **Cardiac issues seen in moderate cases**
- **Unknown Long Term Issues**
- **Risk to others**
- **Over 60,000 hospitalizations**



FORGO VACCINE: REASON #3

FERTILITY AND MENSTRUAL CONCERNS

- **Question was raised because the COVID spike protein resembles a placental protein. Concern that antibodies would disrupt that protein leading to miscarriage.**
- **No increase in the rate of miscarriage following vaccination.**

THIS BECAME THE SPARK FOR THE WILD FIRE OF FERTILITY ISSUES.

- **Heavy bleeding following vaccine is being studied now.**

FORGO VACCINE: REASON #5

MYOCARDITIS

- Occurs with other viral illnesses, COVID, and following vaccine
- Frequency of vaccine related myocarditis increases with lower age.
- Dose of vaccine for 5-12 year olds is 1/3 of that of adults to help reduce this risk while still providing equal immune response.



TABLE 2. Individual-level estimated number of COVID-19 cases and COVID-19–associated hospitalizations, intensive care unit admissions, and deaths prevented after use of 2-dose mRNA COVID-19 vaccine for 120 days and number of myocarditis cases expected per million second mRNA vaccine doses administered, by sex and age group* — United States, 2021



Sex/Benefits and harms from mRNA vaccination	No. per million vaccine doses administered in each age group (yrs) [†]				
	12-29	12-17	18-24	25-29	≥30
Male					
Benefit					
COVID-19 cases prevented [§]	11,000	5,700	12,100	15,200	15,300
Hospitalizations prevented [‡]	560	215	530	936	4,598
ICU admissions prevented	138	71	127	215	1,242
Deaths prevented	6	2	3	13	700
Harms					
Myocarditis cases expected [¶]	39-47	56-69	45-56	15-18	3-4

TABLE. Frequency of and risk for myocarditis among patients with and without COVID-19 and adjusted* myocarditis risk differences and risk ratios comparing patients with and without COVID-19 — Premier H Database Special COVID-19 Release, United States, March 2020–January 2021

Characteristic	No. of patients with COVID-19	No. of patients without COVID-19	No. of patients with myocarditis	Myocarditis among patients with COVID-19		Myocarditis among patients without COVID-19		Adjusted myocarditis risk difference (95% CI)
				No. (% of patients with myocarditis)	Risk, %	No. (% of patients with myocarditis)	Risk, %	
Overall	1,452,773	34,552,521	5,069	2,116 (41.7)	0.146	2,953 (58.3)	0.009	0.126 (0.112–0.140)
Sex								
Male	680,722	14,339,356	3,008	1,274 (42.4)	0.187	1,734 (57.6)	0.012	0.165 (0.146–0.183)
Female	772,051	20,213,165	2,061	842 (40.9)	0.109	1,219 (59.1)	0.006	0.100 (0.087–0.113)
Age group, yrs								
<16	64,898	3,670,762	218	86 (39.4)	0.133	132 (60.6)	0.004	0.122 (0.065–0.179)
16–24	123,865	3,067,575	511	121 (23.7)	0.098	390 (76.3)	0.013	0.088 (0.061–0.115)

- MYOCARDITIS RATE FOR CHILDREN <16y INFECTED WITH COVID NEARLY 37X HIGHER THAN WOULD BE EXPECTED
- RATE OF MYOCARDITIS ASSOCIATED WITH VACCINE IS DRAMATICALLY LOWER (56-69 VS 1325 PER MILLION)

TRUSTED ADVISOR

- Remember all parents have their child's best interest at heart.
- Acknowledge their fears and concerns.
- Approach the conversation not to convince but to inform.



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