

COVID-19 VACCINATION

IN PEOPLE (12+ YEARS) WITH DOWN SYNDROME: THE TRISOMY 21 RESEARCH SOCIETY SURVEY



Take home messages

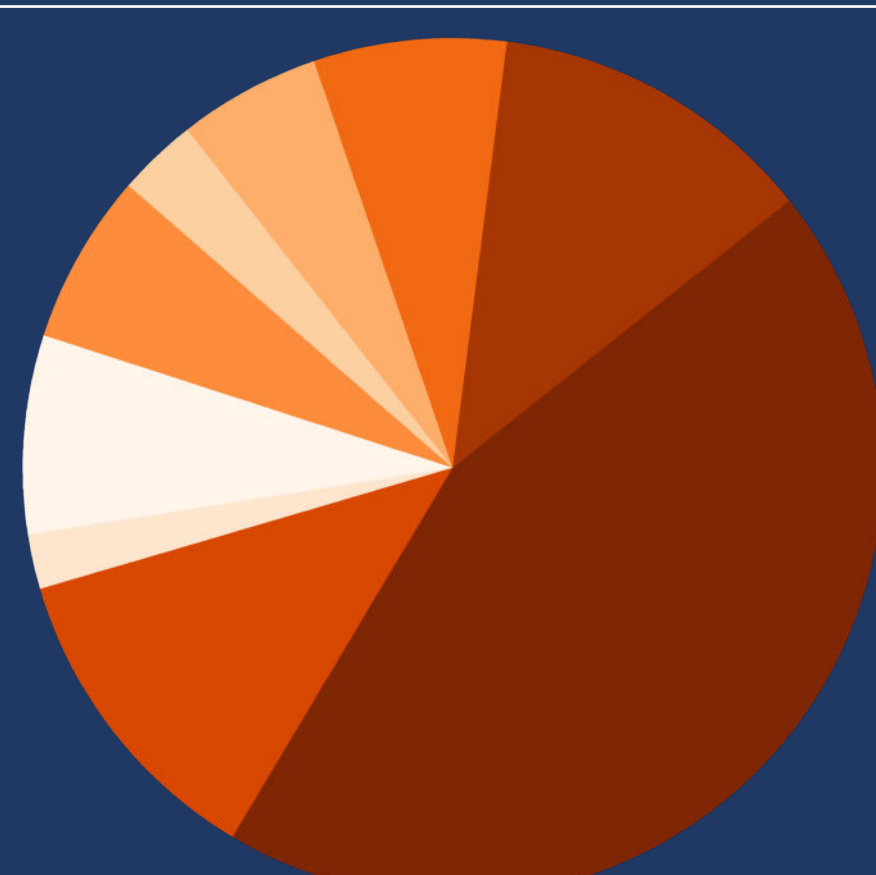
In line with data from the general population, our survey of 1708 vaccinated individuals with Down syndrome shows that the COVID-19 vaccine is safe and effective for individuals with Down syndrome:

- Most people had either no or very mild reactions after vaccination
- Less than 1% of the vaccinated individuals with Down syndrome contracted COVID-19 after vaccination
- All individuals with Down syndrome who had COVID-19 after vaccination fully recovered

1895 participants

age 12+ years

- 1708 (90.1%) have had at least 1 dose
- 1482 (86.7%) have had a second dose
- 187 (9.8%) have not received the vaccine
 - 36 (20%) because vaccine not available yet
 - 15 (9%) for medical reasons
 - 129 (70%) for other reasons



United States : 751
Brazil : 209
United Kingdom : 202
Canada : 123
Italy : 109
France : 91
India : 51
Spain : 35
Other : 127

Study participants

Vaccine manufacturer

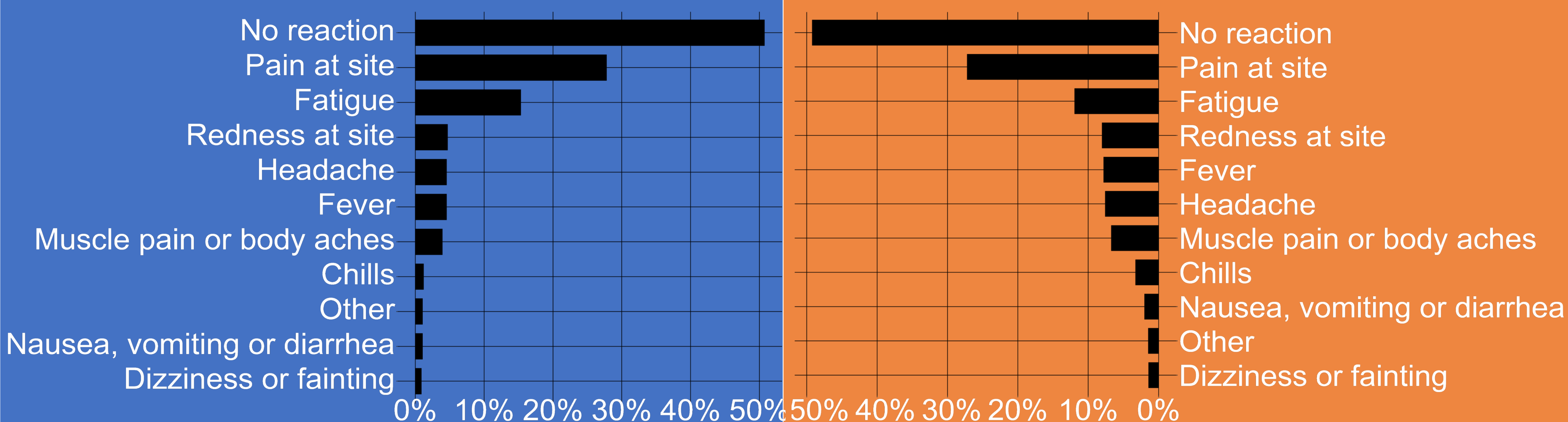
58.1% Pfizer-BioNTech
19.1% Moderna
Oxford-
19.5% AstraZeneca /
Covishield
1.3% Johnson &
Johnson
2% Other

Results stratified by age

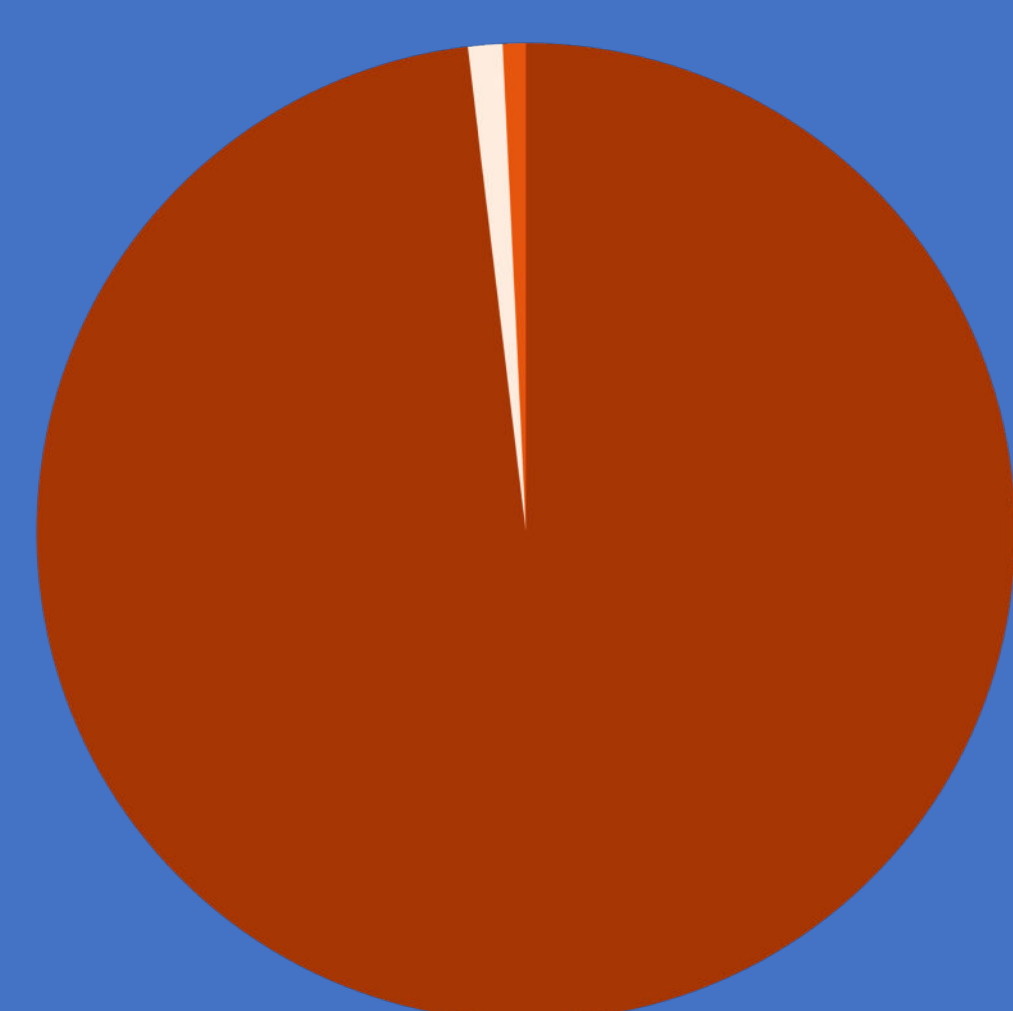
Age 12 – 17 (n=329)

Age 18 + (n=1379)

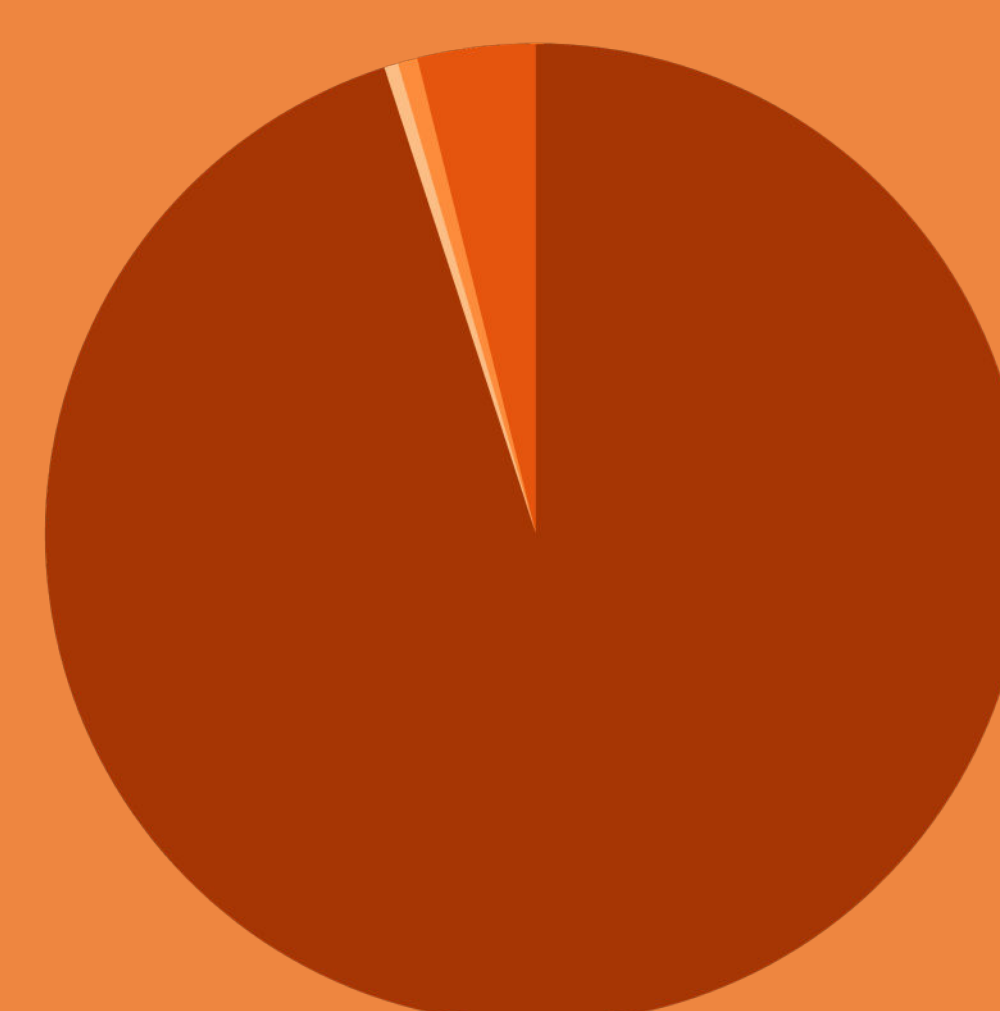
Reactions similar to those reported by people without Down syndrome



Very few reactions required clinical care



Reaction did not require medical care: 98.1%
Doctor or clinic visit needed: 0.8%
Emergency department or urgent care visit: 0.0%
Other: 0.0%
Don't know: 1.1%



Reaction did not require medical care: 95.0%
Doctor or clinic visit needed: 3.9%
Emergency department or urgent care visit: 0.6%
Other: 0.5%
Don't know: 0.0%

0.8% of vaccinated people contracted COVID-19 infections after vaccination

0.3% of those 12 – 17 years

1 case after 2nd dose

- More than 60 days after 2nd dose
- Not admitted to hospital
- Symptoms for 10 days
- Fully recovered

0.9% of those 18+ years

8 cases after 1st dose

- 2 hospitalized
- All recovered

5 cases after 2nd dose

- All after 60 days
- None admitted to hospital
- All recovered

Limitations

- Participants were from different countries with different health care systems and resources; thus conclusions may not extend to each setting
- The majority of participants were adults (81%)
- The average time between 2nd dose and participation in the survey was 112 days and therefore does not address long-term protection

Acknowledgments

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