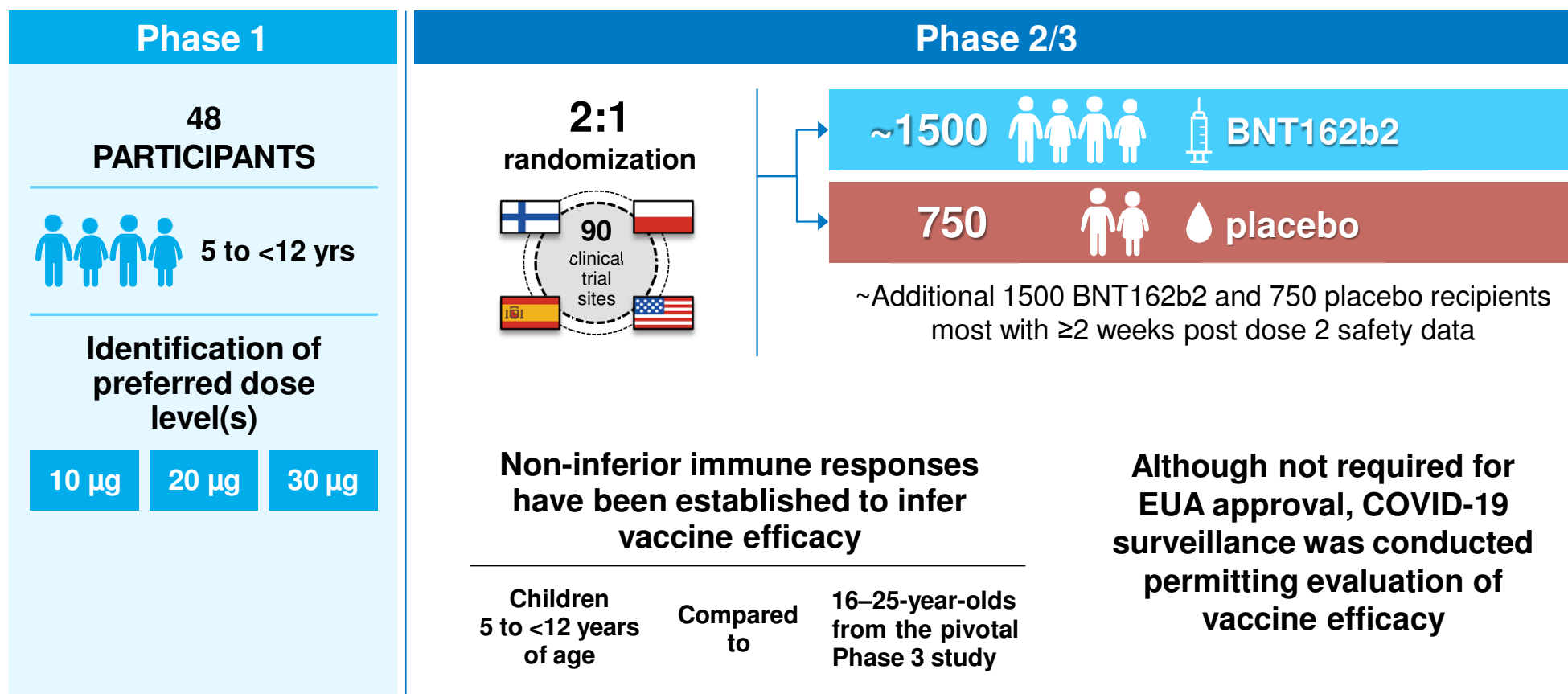


Pfizer-BioNTech Pre-licensure Data for 5-11 years of age

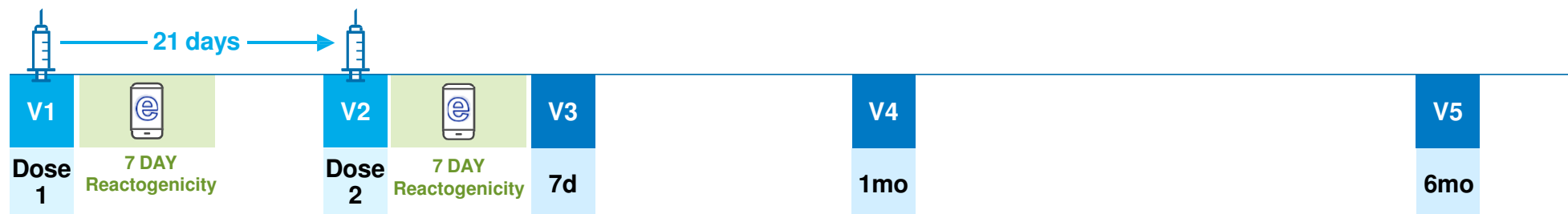
January 19, 2022

Pfizer-BioNTech Pediatric COVID-19 Vaccine BNT162b2: Study Overview: 5 to <12 Years



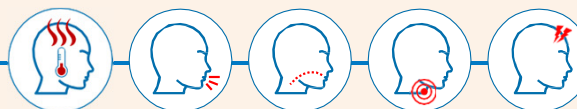
Slides presented to ACIP by Pfizer on November 2, 2021

Phase 2/3 Timelines of Participants 5 to <12 Years of Age Through 6 Months Post-dose 2



NON-SERIOUS AEs ICD to Visit 4 (1-Month follow-up)

SERIOUS AEs ICD to Visit 5 (6-Month follow-up)



UP TO 2-YEARS

COVID-19/MIS-C Visit: triggered if a participant reports experiencing a COVID-19/MIS-C Symptom reported on the Illness diary or reported directly by the participants → potential COVID-19 Illness visit (telehealth/in-person visit + nasal swab) must be scheduled (optimally within 3 Days after illness onset)

Demographics for 5 to <12 Year Olds

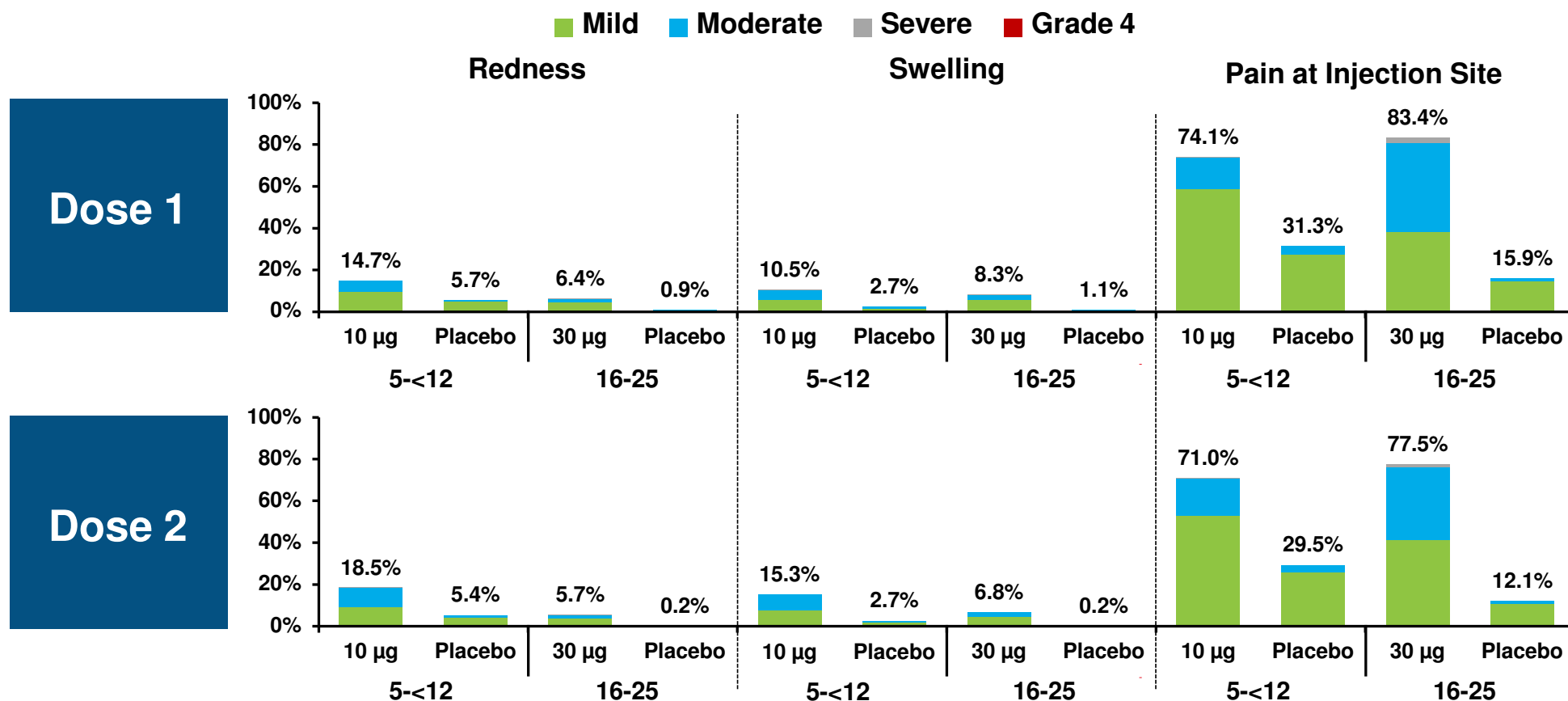
Phase 2/3 Safety Population Initial Enrollment Group (N=2268)

| | | BNT162b2 (10µg) N=1518 | Placebo N=750 |
|------------------------------------|---|---------------------------|------------------|
| Sex, n (%) | Male | 799 (52.6) | 383 (51.1) |
| | Female | 719 (47.4) | 367 (48.9) |
| Race, n (%) | White | 1204 (79.3) | 586 (78.1) |
| | Black or African American | 89 (5.9) | 58 (7.7) |
| | American Indian or Alaska native | 12 (0.8) | 3 (0.4) |
| | Native Hawaiian or other Pacific Islander | <1% | <1% |
| | Asian | 90 (5.9) | 47 (6.3) |
| | Multiracial | 109 (7.2) | 49 (6.5) |
| | Not reported | <1% | <1% |
| Ethnicity, n (%) | Hispanic/Latino | 319 (21.0) | 159 (21.2) |
| | Non-Hispanic/non-Latino | 1196 (78.8) | 591 (78.8) |
| | Not reported | <1% | <1% |
| Age at vaccination | Mean (SD) | 8.2 (1.93) | 8.1 (1.97) |
| | Min, Max | (5, 11) | (5, 11) |
| Obese, n (%) | Yes | 174 (11.5) | 92 (12.3) |
| Comorbidities ^a , n (%) | Yes | 312 (20.6) | 152 (20.3) |

- a. Participants who had at least one of the prespecified comorbidities based on MMWR 69(32);1081-1088 and/or obesity (BMI ≥ 95th percentile)
- b. Obese is defined as a body mass index (BMI) at or above the 95th percentile according to the growth chart. Refer to the CDC growth charts at https://www.cdc.gov/growthcharts/html_charts/bmiagerev.htm.

Slides presented to ACIP by Pfizer
on November 2, 2021

Local Reactions, by Maximum Severity, Within 7 Days After Each Dose in 5 to <12 and 16-25 Year Olds



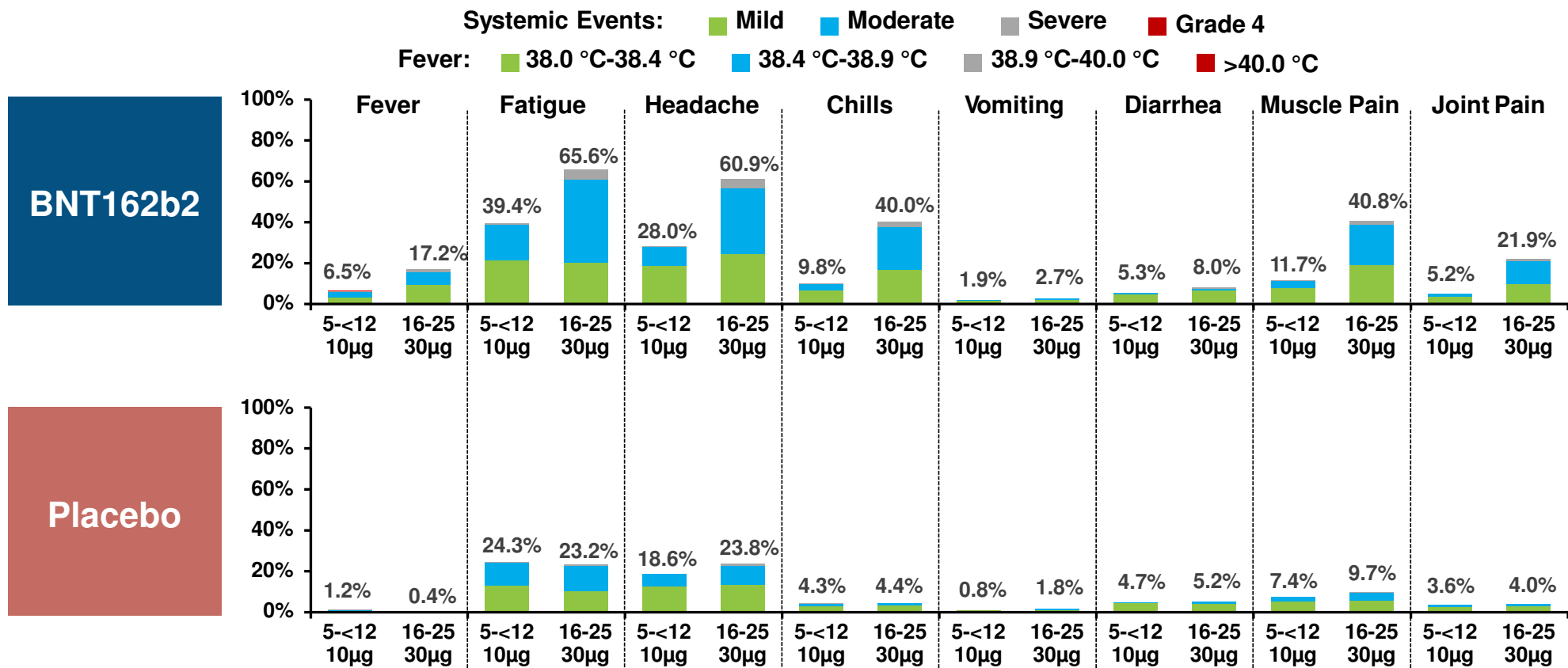
Redness and swelling severity definition: Mild= >2-5cm, Moderate= >5-10 cm; Severe= >10 cm; Grade 4= necrosis

Pain at injection site severity definition: Mild=no interference; Moderate=some interference; Severe=prevents daily activity; Grade 4=ER visit or hospitalization

Dose 1: 5-<12yrs N=2260; 16-25 yrs N=1064 Dose 2: 5-<12 yrs N=2242 16-25 yrs N=984

Slides presented to ACIP by Pfizer on November 2, 2021

Systemic Events, by Maximum Severity, Within 7 Days After Dose 2 in 5 to <12 and 16-25 Year Olds

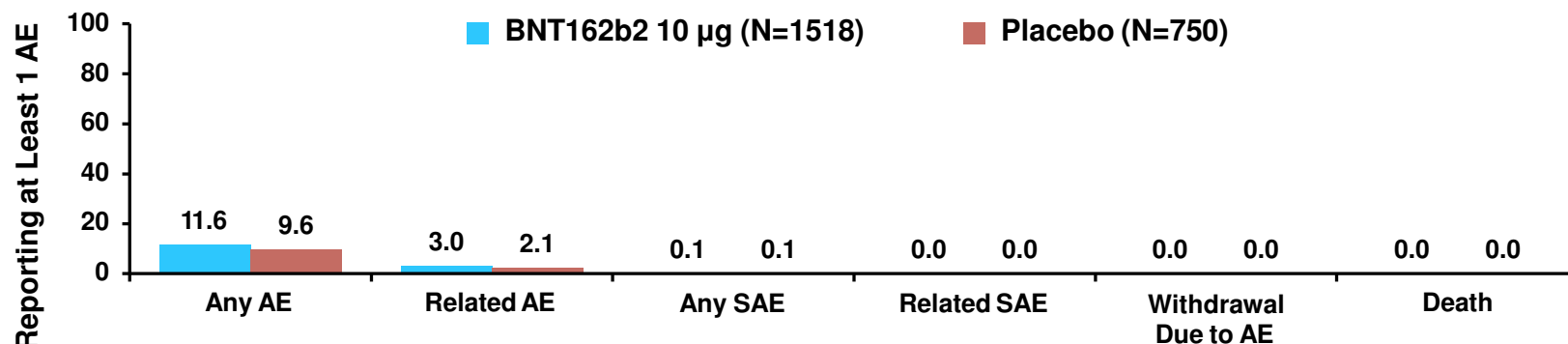


Fatigue, headache, chills, muscle pain, joint pain severity definition: Mild=no interference; Moderate=some interference; Severe=prevents daily activity; Grade 4=ER visit or hospitalization
 Vomiting severity definition: Mild=1-2 time in 24h; Moderate=>2times in 24h; Severe=Requires IV hydration; Grade 4=ER visit or hospitalization
 Diarrhea severity definition: Mild=2-3 times in 24h; Moderate=4-5 times in 24h; Severe=6 or more times in 24h; Grade 4=ER visit or hospitalization
 Dose 2: 5-<12 yrs N=2242 16-25 yrs N=984

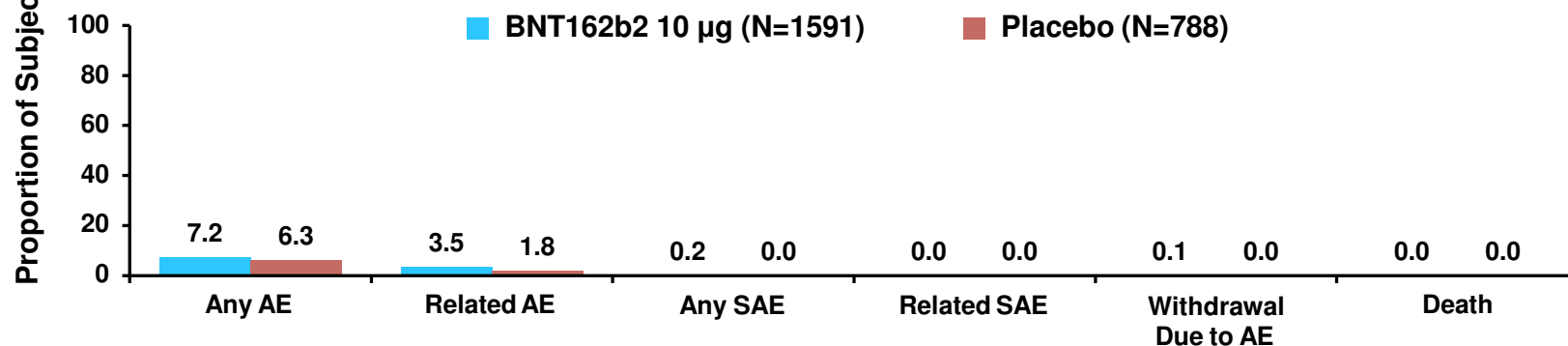
Slides presented to ACIP by
Pfizer on November 2, 2021

Overall Adverse Events from Dose 1 to Data Cutoff Date: 5 to <12 Year Olds

Initial enrollment group:
Median follow-up time 2.3 months
Cutoff date September 6, 2021



Safety expansion group:
Median follow-up time 2.4 weeks
Cutoff date October 8, 2021

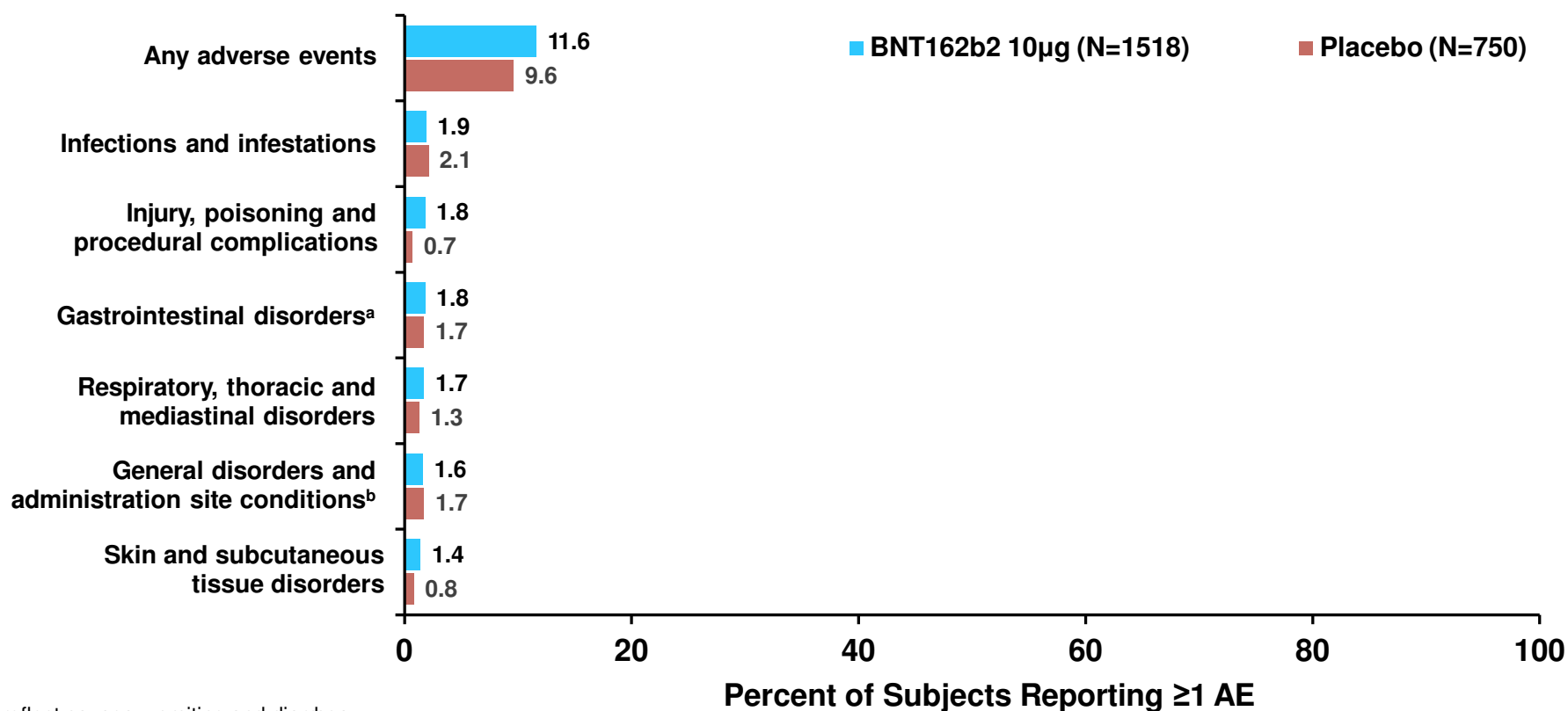


Slides presented to ACIP by Pfizer on November 2, 2021

Adverse Events $\geq 1.0\%$ by System Organ Class for 5 to <12 Year Olds from Dose 1 to Cutoff Date

Initial Enrollment Group (N=2268)

Data Cutoff September 6, 2021



a. Predominantly reflect nausea, vomiting and diarrhea

b. Predominantly reflect local reactions at the injection site and systemic reactions of fever and fatigue

Lymphadenopathy 0.9% in BNT162b2 group

Slides presented to ACIP by
Pfizer on November 2, 2021

Serious Adverse Events from Dose 1 to Cutoff Date in 5 to <12 Year Olds

- **Initial enrollment group (all unrelated):**
 - One participant in the BNT162b2 group reported a SAE of an upper limb fracture
 - One participant in the Placebo group reported a SAE of abdominal pain and a SAE of pancreatitis related to trauma
- **Expansion Safety group (all unrelated; all in the BNT162b2 group)**
 - One participant reported a SAE of infective arthritis
 - One participant reported a SAE of epiphyseal fracture
 - One participant reported a SAE of ingestion of a foreign body

Immunobridging Criteria Between 5 to <12 and 16-25 Years of Age Were Met Both for GMR and for Seroresponse

| Assay | Dosing/Sampling Time Point | BNT162b2 (10µg) 5 to <12 Years | | BNT162b2 (30µg) 16-25 years | | 5 to <12 / 16-25 years | |
|--|----------------------------|-----------------------------------|----------------------------|--------------------------------|----------------------------|------------------------|------------------------------|
| | | n | GMT (95% CI) | n | GMT (95% CI) | GMR (95% CI) | Met Immuno-bridging (Y/N) |
| SARS-CoV-2 neutralization assay - NT50 (titer) | 2 / 1 Month | 264 | 1197.6 (1106.1, 1296.6) | 253 | 1146.5 (1045.5, 1257.2) | 1.04 (0.93, 1.18) | Y |

Immunobridging is declared if the lower bound of the 95% confidence interval of the GMR is > 0.67 and the GMR is ≥0.8

| Assay | Dosing/Sampling Time Point | BNT162b2 (10µg) 5 to <12 Years | | BNT162b2 (30µg) 16-25 years | | Difference in % 5 to <12 / 16-25 years | |
|--|----------------------------|-----------------------------------|----------------------------|--------------------------------|----------------------------|---|------------------------------|
| | | N | n (%) (95% CI) | N | n (%) (95% CI) | % (95% CI) | Met Immuno-bridging (Y/N) |
| SARS-CoV-2 neutralization assay - NT50 (titer) | 2 / 1 Month | 264 | 262 (99.2) (97.3, 99.9) | 253 | 251 (99.2) (97.2, 99.9) | 0.0 (-2.0, 2.2) | Y |

Seroresponse defined as achieving a ≥4 fold rise from baseline (before Dose 1)

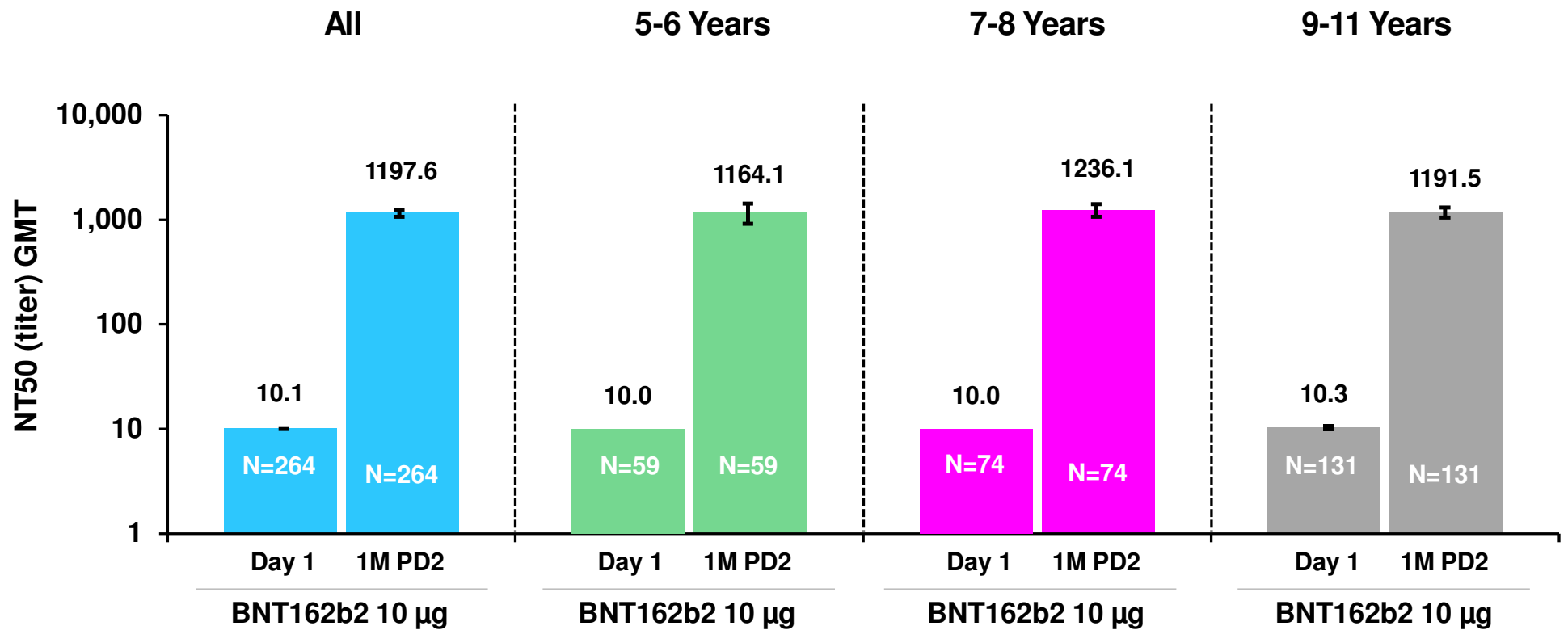
Immunobridging is declared if the lower bound of the 95% confidence interval for the percentage difference is greater than -10

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on November 2, 2021

Geometric Mean Titers (NT50), by Age Subgroup

– Subjects 5 to <12 Years – Evaluable Immunogenicity Population

Immunogenicity Subset – Without Evidence of Prior Infection up to 1 Month Post Dose 2



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NT50 = 50% neutralizing titers

Neutralization of Both Reference Strain and Delta Variant of Concern are Comparable – Randomly Selected Subset

Phase 2/3 - Subjects 5 to <12 Years of Age

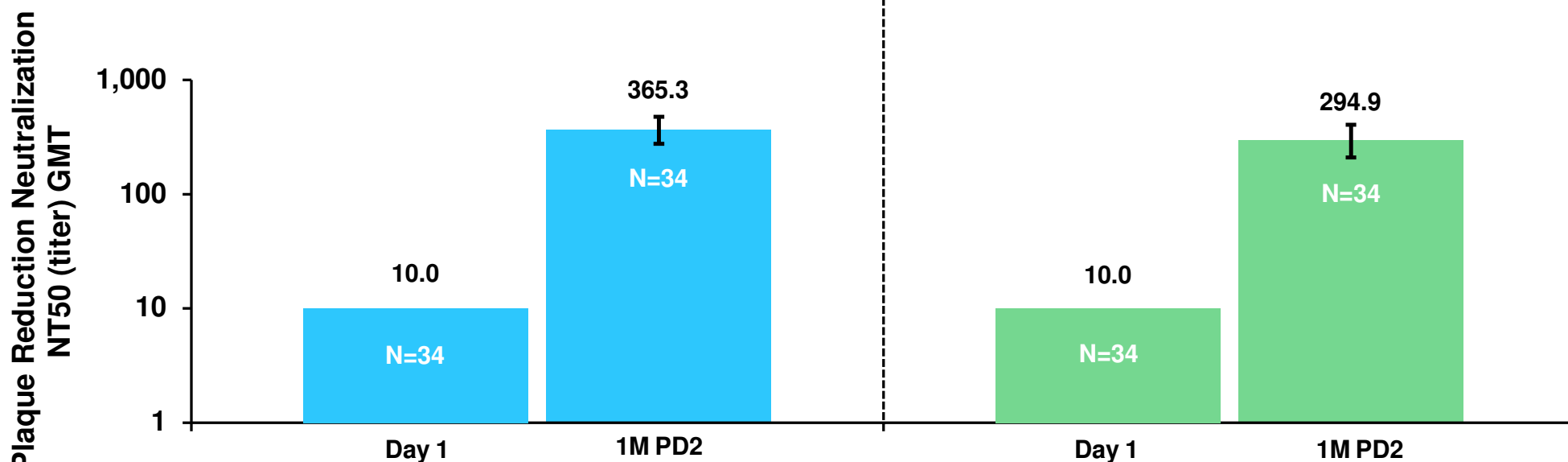
Reference Strain (USA-WA1/2020)

BNT162b2 (10 µg)

Delta Strain (B.1.617.2)

BNT162b2 (10 µg)

| GMFR (95% CI) | 36.5 (27.9, 47.8) | 29.5 (21.5, 40.5) |
|------------------|----------------------|----------------------|
|------------------|----------------------|----------------------|



Slides presented to ACIP by Pfizer on November 2, 2021

High Efficacy was Observed in 5 to <12 Year Olds Descriptive Analysis of First COVID-19 Occurrence From 7 Days After Dose 2

Subjects WITHOUT Evidence of Infection Prior to 7 Days After Dose 2

| Efficacy Endpoint | BNT162b2 (10 µg) N=1305 | | Placebo N=663 | | VE (%) | (95% CI) |
|---|----------------------------|--------------------------|------------------|--------------------------|-----------|--------------|
| | n | Surveillance Time (n) | n | Surveillance Time (n) | | |
| First COVID-19 occurrence ≥7 days after Dose 2 | 3 | 0.322 (1273) | 16 | 0.159 (637) | 90.7 | (67.7, 98.3) |

No severe cases of COVID-19 were reported
No cases of MIS-C were reported

Slides presented to ACIP by Pfizer on November 2, 2021

Total surveillance time: 1000 person-years for all subjects within each group at risk for the endpoint

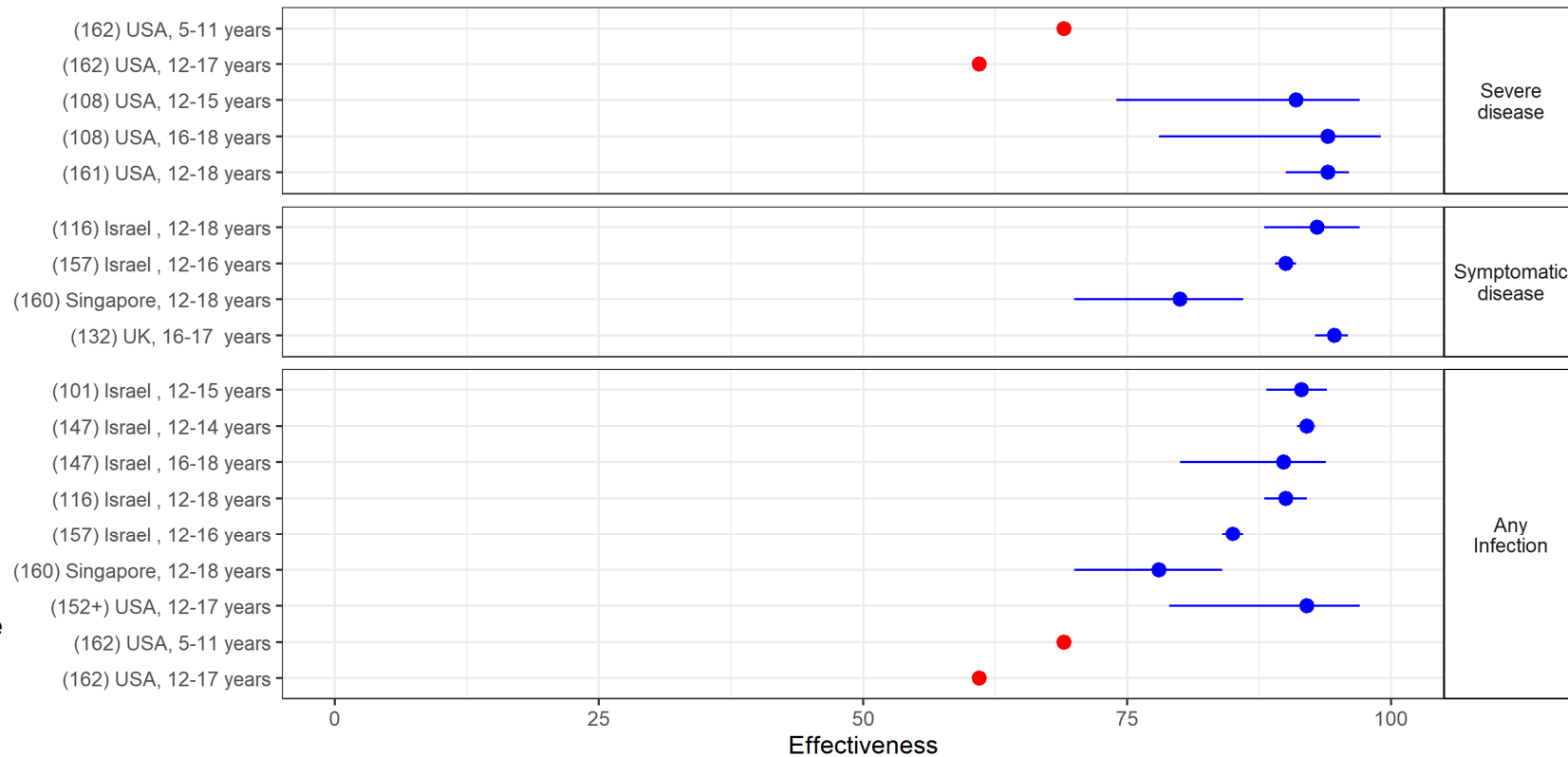
Pediatric VE Data

Pediatric Studies

- Delta
 - 8 studies in 12-18 year olds
 - 0 <12 year olds
 - Most studies with >90% VE against infection, disease, severe disease
 - Rarely sample size sufficient for evaluating protection against death
 - 2 studies with evidence of waning against infection or disease
- Omicron
 - 1 study with a crude VE in 5-11 and 12-17 year olds <75%

BNT162b2 (Pfizer BioNTech) Vaccine Effectiveness Among Children, Complete Vaccination

(ref no) country, population



USA: VE against Multisystem inflammatory syndrome (MIS-C)

- TND study among 12–18 year old hospitalized patients at 24 pediatric hospitals in 20 states during July 1–December 9, 2021 (Delta dominant)
- Results
 - 102 MIS-C patients and 181 hospitalized controls (SARS-CoV-2 negative)
 - Median hospital length of stay between vaccinated and unvaccinated same (5 days)
 - VE at ≥ 28 days post dose 2: 91% (78–97%)
 - 0/38 requiring life support with MIS-C vaccinated

Summary

- Delta
 - VE consistent with findings from RCTs in 12–17 year olds
 - 2 studies with evidence of waning against infection and disease
 - 1 study found 91% VE against MIS-C
 - No VE data in 5–11 year olds (only authorized in 1st country starting November 2)
- Omicron
 - 1 study with lower VE in children during Omicron period, including against hospitalization
 - Unclear if hospitalization because of SARS-CoV-2 or incidental finding given high prevalence of Omicron

Myopericarditis

VAERS is the nation's early warning system for vaccine safety



VAERS

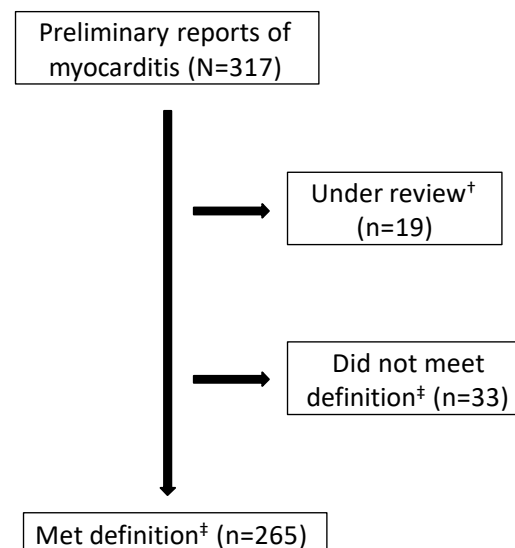
Vaccine Adverse Event
Reporting System

<http://vaers.hhs.gov>



Reports to VAERS of myocarditis after Pfizer-BioNTech COVID-19 vaccination among **children and adolescents ages 12–15 years*** (as of Dec 19, 2021)

- 265 reports of myocarditis verified to meet case definition
 - Median age: 14 years (IQR: 13–15 years)
 - Median time to onset: 2 days (IQR: 1–3 days)
 - After dose 1 = 41; after dose 2 = 221
 - 238 (90%) males, 27 (10%) females
 - 251 hospitalized patients (241 discharged home)
 - 224 patients with known outcomes
 - 208 (92%) recovered from symptoms at time of report
 - 16 (8%) mostly reported improved, or resolved, symptoms, but ongoing physical restrictions or still under investigation
- Doses administered = 18,707,169[§]



* Reports of children and adolescents ages 12–15 years vaccinated May 12–Dec 19, 2021

† Awaiting medical records and/or healthcare provider interview; some still processing

‡ Adjudicated after healthcare provider interview and/or medical record review

§ Doses administered among children and adolescents ages 12–15 years May 12–Dec 16, 2021

Reporting rates of myocarditis (per 1 million doses administered) after Pfizer-BioNTech COVID-19 vaccination, 7-day risk interval*

| | Males | | Females | |
|---|--------|--------|-----------------------------|--------|
| Age group | Dose 1 | Dose 2 | Dose 1 | Dose 2 |
| 5–11 years | 0.0 | 4.3 | Not calculated [†] | 2.0 |
| 12–15 years | 4.8 | 45.7 | 1.0 | 3.8 |
| 16–17 years (included for reference) | 6.1 | 70.2 | 0.0 | 7.6 |

- 37,810,998 total doses 1 and 2 of vaccine administered[‡]
- Reporting rates exceed background incidence (peach shaded cells) [§]
 - Males: after dose 1 (ages 12–15 and 16–17 years) and after dose 2 (ages 5–11, 12–15, and 16–17 years)
 - Females: after dose 2 (ages 12–15 and 16–17 years)
 - Reporting rates among males substantially lower among ages 5–11 vs. 12–15 and 16–17 years

* Reports of myocarditis after doses 1 and 2 of Pfizer-BioNTech COVID-19 vaccine during a 7-day risk interval after vaccination (as of Dec 19, 2021); reports verified to meet case definition by healthcare provider interview and/or medical record review.

[†] Too few reports of females ages 5–11 years to calculate a stable rate.

[‡] Children ages 5–11 years vaccinated Nov 3–Dec 19, 2021, children and adolescents ages 12–15 years vaccinated May 12–Dec 19, 2021.

[§] An estimated 1–10 cases of myocarditis per 100,000 person years occurs among people in the United States, regardless of vaccination status; adjusted for the 7-day risk period, this estimated background is 0.2 to 1.9 per 1 million person 7-day risk period.






Myocarditis/pericarditis

- Data from Danish population based cohort study*.
- The rate in the youngest age group (12-17 years) was 1.0 (0.2 to 3.0) per 100 000 individuals aged 12-17 years within 28 days of BNT162b2 vaccination.

*Husby A. et al. SARS-CoV-2 vaccination and myocarditis or myopericarditis: population based cohort study.
BMJ 2021;375:e068665

EVIDENCE ASSESSMENT

Quality assessment*

| Type of bias/ Publication | Walter et al. NEJM. 2021 |
|--------------------------------------|--|
| Randomization |  Low |
| Deviations from intervention |  Some concerns |
| Missing outcome data |  Low |
| Measurement of the outcome |  Low |
| Selection of the reported results |  Low |
| Overall risk of bias |  Some concerns |

GRADE assessment

| PICO question | Statement on quality of evidence | SAGE Working Group Judgement |
|--|-------------------------------------|--|
| Efficacy against PCR confirmed COVID-19 (Children 5–11) | High level of confidence | We are confident that 2 doses of BNT162b2 vaccine are efficacious in preventing PCR-confirmed COVID-19 in children (aged 5–11 years) up to approx. 2 months following immunization. |
| Safety-serious adverse events (Children 5–11) | Low level of confidence | We have low confidence in the quality of evidence that the risk of serious adverse events in children (aged 5–11 years) following 1 or 2 doses of BNT162b2 vaccine is low. |

*The risk of bias judgement by domain corresponds to the highest risk of bias among outcomes by domain. The overall risk of bias corresponds to the overall highest risk of bias assessed among outcomes.

- See: www.covid-nma.com/vaccines
- Critical outcomes: Incidence of participants with positive test for SARS-CoV-2 infection by RT-PCR OR Nucleic acid amplification testing (NAAT) or other validated test (symptomatic or asymptomatic), Incidence of symptomatic COVID-19 confirmed with positive test for SARS-CoV-2 infection by RT-PCR OR NAAT, Severe or critical disease defined according to the WHO definition or as reported by trialists, All-cause mortality, Incidence of systemic adverse events (D14), Incidence of any adverse events, Incidence of serious adverse events (SAEs).

Extra slides

USA: Changes in Pediatric Infection and Hospitalization

- Cohort study of NY hospitalizations based on linking administrative databases. Note children 5+ eligible for primary series, 16+ for booster
- Increasing trends in infection rates, with highest 7-day average in 18-64 and 12-17
- Increasing trends in hospitalization rates, highest in 65+
 - BUT most rapid rise in relative hospitalization rates in ≤18 years
 - 55% of hospitalizations in 0-4 (make up 26% of population)
 - ~60% of admissions were indicated with the reason "for COVID-19"; has not changed since the Omicron-associated increase in cases and hospitalization began. Consistent with adult trends, and earlier trends
 - ~50% of children with hospitalization with COVID-19 with comorbidities

Figure 1. Trends in COVID-19 Cases by age, all age groups, January 1, 2021 – December 29, 2021

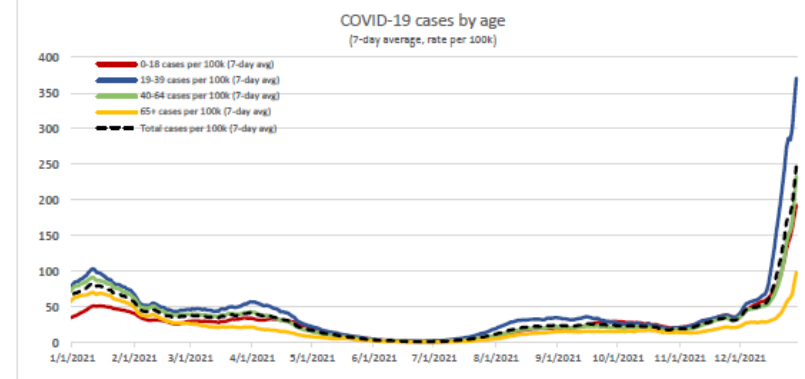


Table 2. COVID-19 new hospital admission rates by age, December 5, 2021 – January 1, 2022

| | 0-4 years | | 5-11 years | | 12-18 years | | 19-64 years | | 65+ years | |
|--|-----------|------------------------|------------|------------------------|-------------|------------------------|-------------|------------------------|-----------|------------------------|
| | Rate | Change since Dec. 5-11 | Rate | Change since Dec. 5-11 | Rate | Change since Dec. 5-11 | Rate | Change since Dec. 5-11 | Rate | Change since Dec. 5-11 |
| December 5 - 11 | 0.44 | -- | 0.18 | -- | 0.13 | -- | 1.87 | -- | 7.62 | -- |
| December 12 - 18 | 0.56 | +29% | 0.19 | +5% | 0.34 | +153% | 2.17 | +16% | 7.94 | +4% |
| December 19 - 25 (excl. 25 th) | 1.43 | +226% | 0.42 | +130% | 0.60 | +353% | 2.78 | +48% | 8.70 | +14% |
| December 26 – January 1 | 3.91 | +791% | 0.79 | +335% | 1.52 | +1,047% | 6.39 | +241% | 21.87 | +187% |

Table 4. Indicated reason for admission, among new admissions with COVID-19, previous 4 reporting weeks

| Week | New York City | | | Statewide | | |
|--|--|--|---------------------|--|--|---------------------|
| | Reason for admission indicated as for COVID-19 | Admission indicated for other reason, but with positive COVID-19 results | Total with COVID-19 | Reason for admission indicated as for COVID-19 | Admission indicated for other reason, but with positive COVID-19 results | Total with COVID-19 |
| November 28 – December 4 | 14 | 9 | 23 | 49 | 36 | 85 |
| December 5 - 11 | 12 | 10 | 22 | 44 | 26 | 70 |
| December 12 - 18 | 26 | 17 | 43 | 58 | 46 | 104 |
| December 19 - 25 (excl. 25 th) | 88 | 49 | 137 | 137 | 91 | 228 |
| December 26 – January 1 | 227 | 158 | 385 | 339 | 232 | 571 |

USA: Changes in Pediatric Infection and Hospitalization

- Using the screening method, VE against infection for Pfizer in 12–17 year olds has fallen from 87% to 61% and fallen from 95% to 81% against hospitalization
- Their conclusion: pattern of increasing severe disease in the pediatric population
 - May be explained by a combination of lower full vaccination (and booster) coverage, changes in vaccine effectiveness, severity of the Omicron variant, and/or other factors.
- Limitations
 - Not Omicron specific: Delta vs Omicron dominant but not all cases during Dec 20–26 Omicron due to lag between infection and hospitalization. Some portion Delta
 - Unadjusted VE, no CI
 - Unclear if vaccinated is booster dose vs primary series
 - Mixed vaccines

Table 10. COVID-19 Cases among children 5–17 years, by vaccine status

| Week | Distribution of new cases by vaccine status | | | | | | Rates and vaccine effectiveness | | | Full-vaccine Coverage |
|---------------------|---|-----|----------------------|-----|--------------|-----|---------------------------------|----------------------------|-----|-----------------------|
| | Vaccinated | | Partially-vaccinated | | Unvaccinated | | Vaccinated rate per 100k | Unvaccinated rate per 100k | VE | % |
| 5–11 years * | | | | | | | | | | |
| Dec. 13–19 | 196 | 2% | 1,275 | 11% | 9,902 | 87% | 38 | 144 | 73% | 5.4% |
| Dec. 20–26 | 777 | 5% | 2,220 | 13% | 14,249 | 83% | 68 | 216 | 69% | 12.0% |
| 12–17 years | | | | | | | | | | |
| Nov. 29–Dec. 5 | 947 | 20% | 130 | 3% | 3,727 | 78% | 16 | 121 | 87% | 60.7% |
| Dec. 6–12 | 1,218 | 23% | 139 | 3% | 4,008 | 74% | 21 | 133 | 84% | 61.1% |
| Dec. 13–19 | 4,038 | 37% | 366 | 3% | 6,515 | 62% | 69 | 221 | 69% | 61.6% |
| Dec. 20–26 | 8,321 | 43% | 790 | 4% | 10,326 | 53% | 140 | 358 | 61% | 62.1% |

Source: ECLRS, NYSIIS/CIR

* Full vaccination coverage < 1% in prior weeks

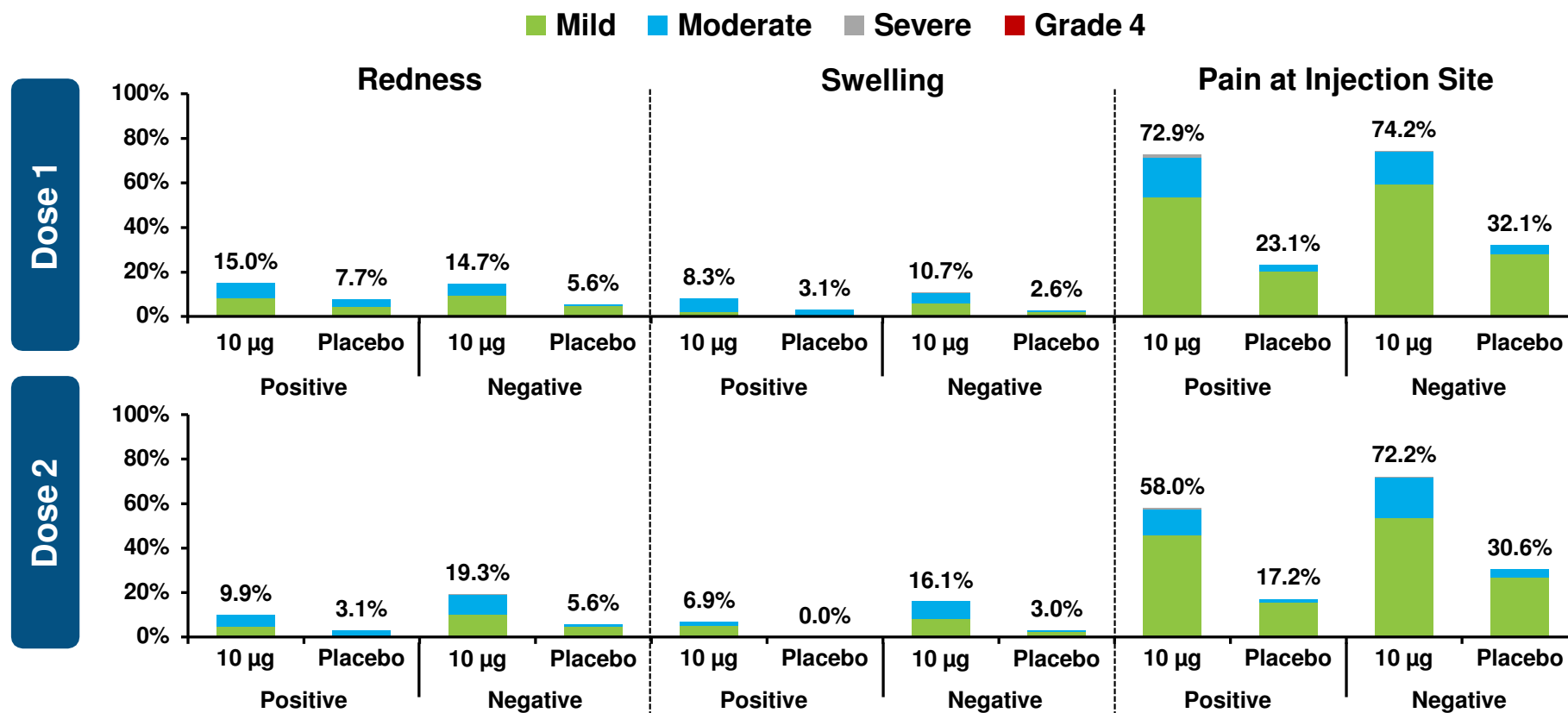
Table 11. New COVID-19 hospital admissions among children 5–17 years, by vaccine status

| Week | Distribution of new hospitalizations by vaccine status | | | | | | Rates and vaccine effectiveness | | | Full-vaccine Coverage |
|---------------------|--|-----|----------------------|----|--------------|-----|---------------------------------|----------------------------|------|-----------------------|
| | Vaccinated | | Partially-vaccinated | | Unvaccinated | | Vaccinated rate per 100k | Unvaccinated rate per 100k | VE | % |
| 5–11 years * | | | | | | | | | | |
| Dec. 13–19 | 0 | 0% | 1 | 5% | 19 | 95% | 0 | 0.28 | 100% | 5.4% |
| Dec. 20–26 | 2 | 4% | 3 | 6% | 49 | 91% | 0.17 | 0.73 | 76% | 12.0% |
| 12–17 years | | | | | | | | | | |
| Nov. 29–Dec. 5 | 2 | 9% | 0 | 0% | 20 | 91% | 0.03 | 0.65 | 95% | 60.7% |
| Dec. 6–12 | 1 | 8% | 1 | 8% | 11 | 74% | 0.02 | 0.36 | 95% | 61.1% |
| Dec. 13–19 | 7 | 23% | 1 | 3% | 22 | 62% | 0.12 | 0.74 | 84% | 61.6% |
| Dec. 20–26 | 18 | 26% | 6 | 9% | 45 | 65% | 0.31 | 1.56 | 81% | 62.1% |

Source: HERDS, NYSIIS/CIR

* < 1% of this age group fully-vaccinated in previous weeks

Subjects Reporting Local Reactions, by Maximum Severity, Within 7 Days After Each Dose in 5 to <12 Year Olds by Baseline SARS-CoV-2 Status

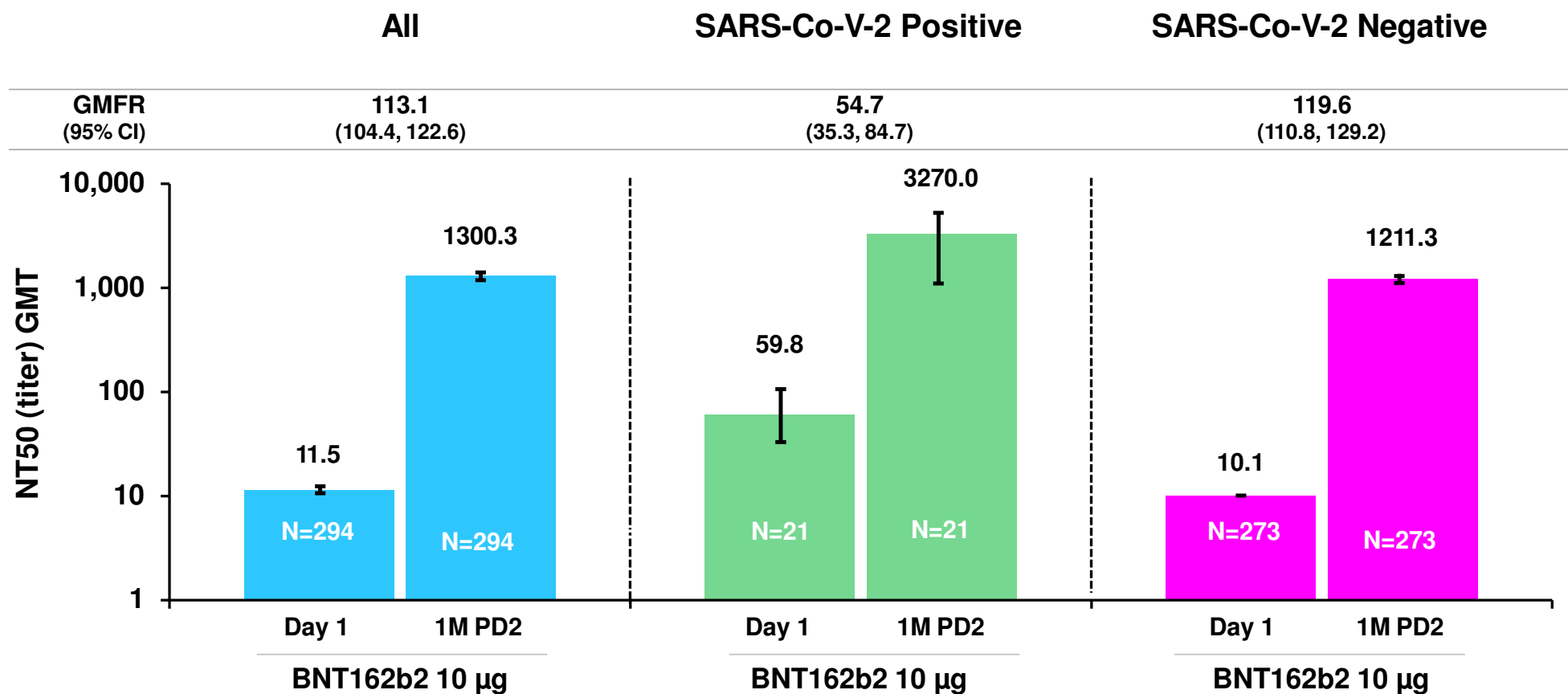


Redness and swelling severity definition: Mild= >2-5cm, Moderate= >5-10 cm; Severe= >10 cm; Grade 4= necrosis

Pain at injection site severity definition: Mild=no interference; Moderate=some interference; Severe=prevents daily activity; Grade 4=ER visit or hospitalization

Dose 1: Positive N=198; Negative N=2062 Dose 2: Positive N=195; Negative N=2047

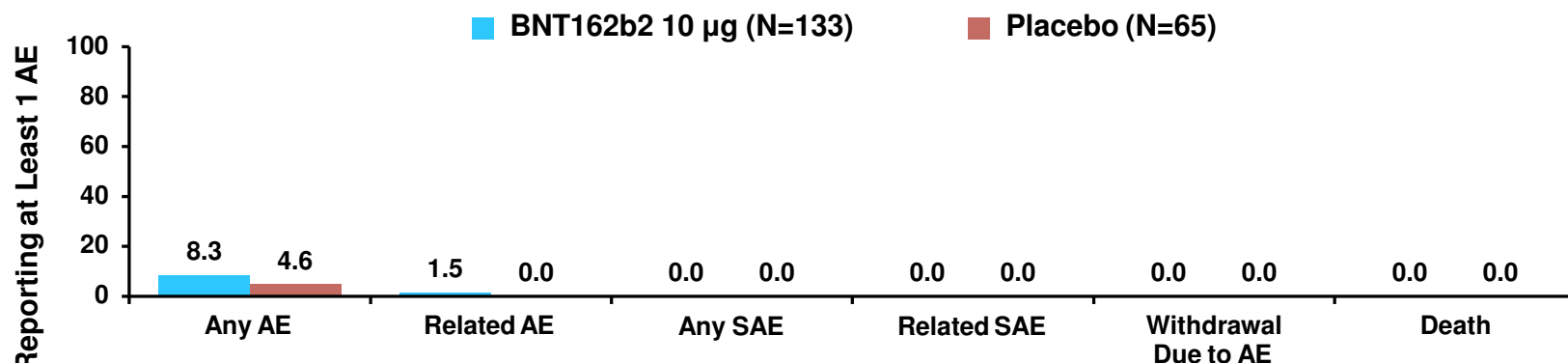
Geometric Mean Titers (NT50), By Baseline SARS-CoV-2 Status – Subjects 5 to <12 Years – Evaluable Immunogenicity Population Immunogenicity Subset –



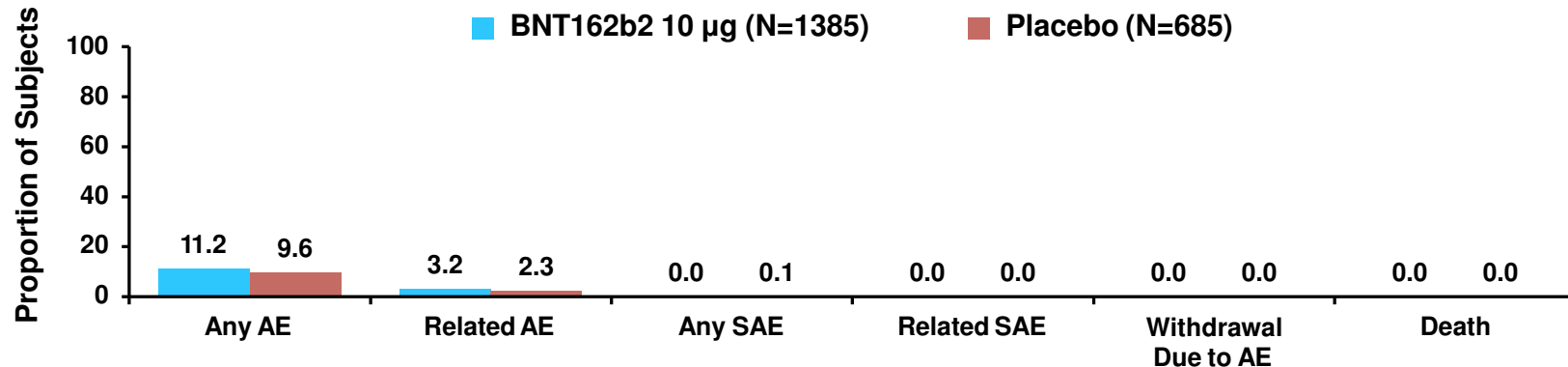
NT50 = 50% neutralizing titers

Overall Adverse Events from Dose 1 to 1 Month Post Dose 2 in 5 to <12 Year Olds by Baseline SARS-CoV-2 Status

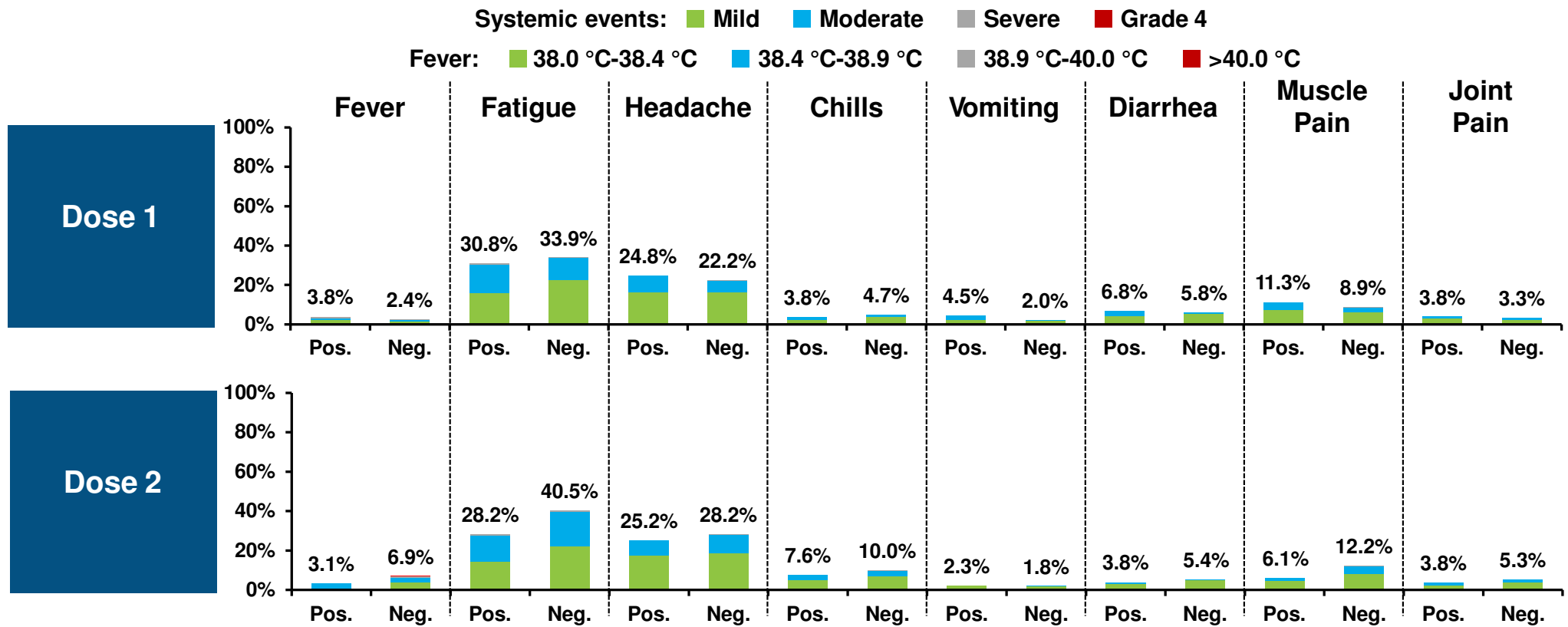
Baseline
SARS-CoV-2
Positive



Baseline
SARS-CoV-2
Negative



Subjects Reporting Systemic Events, by Maximum Severity, Within 7 Days After Dose 1 and Dose 2 in 5 to <12 Year Olds by Baseline SARS-CoV-2 Status

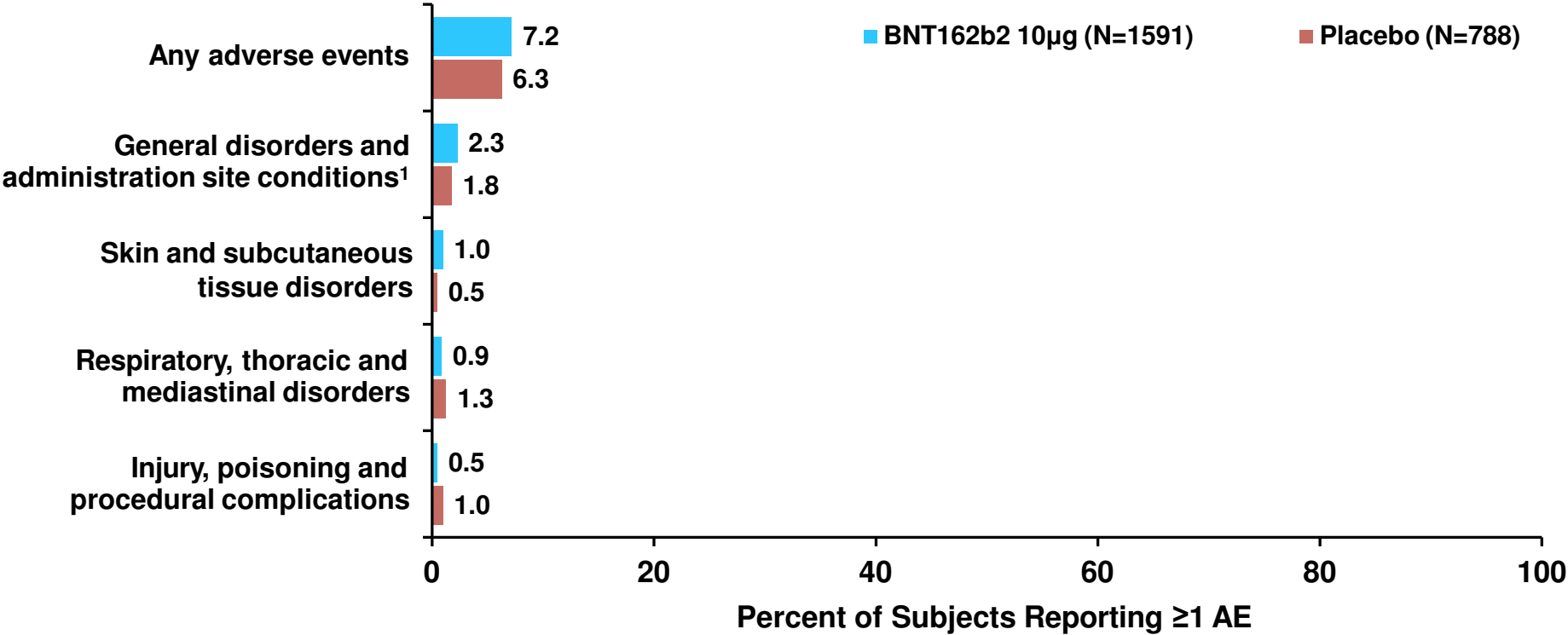


Fatigue, headache, chills, muscle pain, joint pain severity definition: Mild=no interference; Moderate=some interference; Severe=prevents daily activity; Grade 4=ER visit or hospitalization
 Vomiting severity definition: Mild=1-2 time in 24h; Moderate=>2times in 24h; Severe=Requires IV hydration; Grade 4=ER visit or hospitalization
 Diarrhea severity definition: Mild=2-3 times in 24h; Moderate=4-5 times in 24h; Severe=6 or more times in 24h; Grade 4=ER visit or hospitalization
 Dose 1 Positive N=198; Negative N=2062 Dose 2: Positive N=195; Negative N=2047

Adverse Events $\geq 1.0\%$ by System Organ Class for 5 to <12 Year Olds from Dose 1 to Cutoff Date

Safety Expansion Group (N= 2379)

Data Cutoff October 8, 2021



1. Predominantly reflect local reactions at the injection site and systemic reactions of fatigue
Lymphadenopathy 0.4% in the BNT162b2 group

Adverse Events of Special Interest

Initial Enrollment Group and Safety Expanded Group

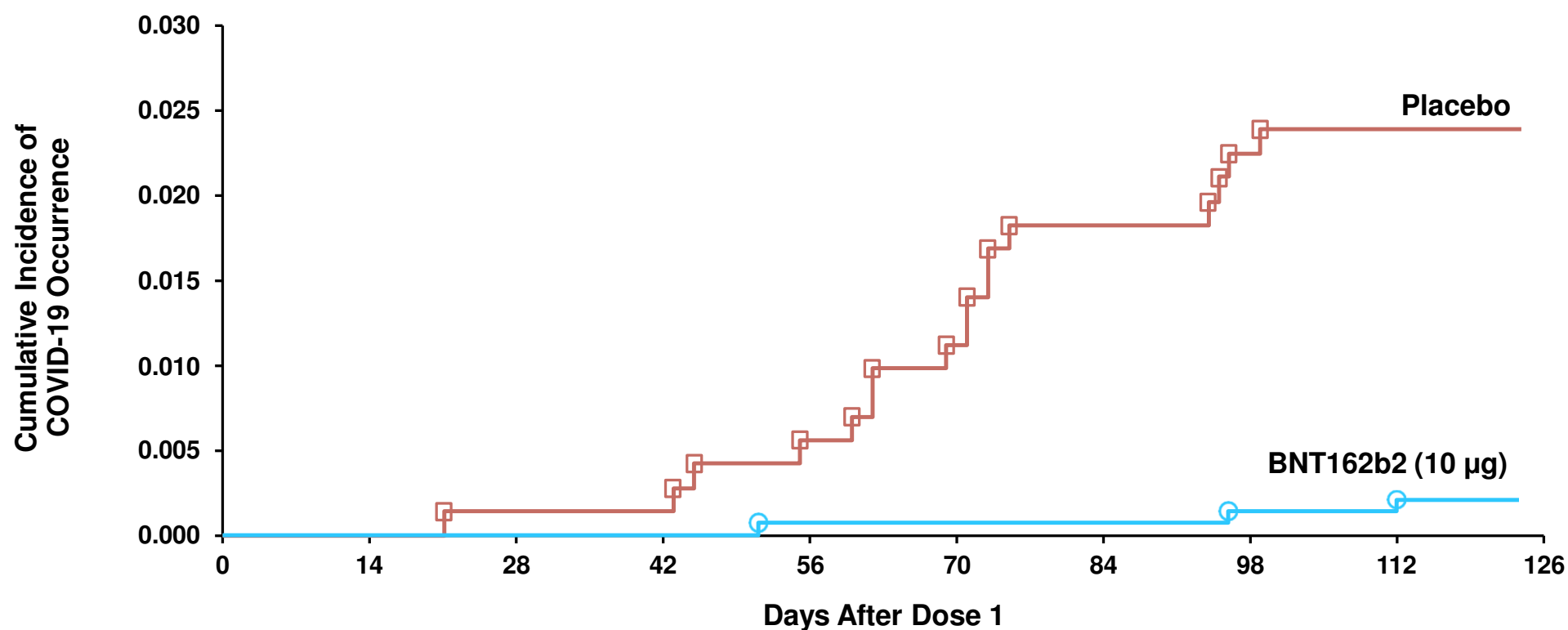
- **FDA AESIs:**

- No anaphylaxis
- No myocarditis/pericarditis
- No Bell's palsy (or facial paralysis/paresis)
- No appendicitis

- **CDC Defined AESIs:**

- Potential hypersensitivity (angioedema, and predominantly rash and urticaria)
- Arthritis (infective)
- Vasculitis

Cumulative Incidence of COVID-19 After Dose 1: 5 to <12 Years of Age

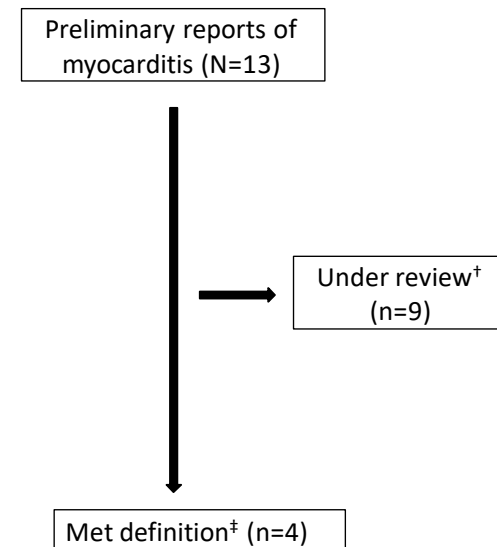


Immunogenicity and Efficacy Conclusions

- **Immunobridging success criteria were met for 5 to <12 year olds at 10 µg dose level**
- **BNT162b2-immune sera effectively neutralized both USA-WA1/2020 (reference strain) and the highly transmissible B.1.617.2 (Delta) variant of concern**
- **BNT162b2 as a two dose series is highly protective against COVID-19 in 5 to <12 year olds when Delta variant was prominent**

Reports of myocarditis to VAERS after Pfizer-BioNTech COVID-19 booster vaccination among persons ages 16–24 years

- 13 preliminary reports of myocarditis
 - Median age: 21 years (IQR: 20–22 years)
 - Median time to onset: 1 day (IQR: day of vaccination–1 day)
 - 9 (69%) males, 4 (31%) females
 - 4 reports met case definition
 - 2 reports among ages 16–17 years[§]
 - 2 reports among ages 18–24 years
 - All reported patients recovered at time of report
- Doses administered = 976,882[¶]



* Among adolescents ages 16–17 years receiving dose 3 of Pfizer-BioNTech vaccine Dec 9–Dec 19, 2021, and persons ages 18–24 years receiving dose 3 of Pfizer-BioNTech vaccine Sep 22–Dec 19, 2021; reports processed and received as of Dec 19, 2021.

† Awaiting medical records and/or healthcare provider interview; some still processing.

‡ Adjudicated after healthcare provider interview and/or medical record review.

§ One report identified after Dec 19 but vaccinated during Sep 22–Dec 19, 2021.

¶ Doses administered as of Dec 16, 2021.