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FACT SHEET FOR HEALTHCARE PROVIDERS ADMINISTERING VACCINE: EMERGENCY USE AUTHORIZATION OF NOVAVAX COVID-19 VACCINE, ADJUVANTED (2024 – 2025 FORMULA), FOR INDIVIDUALS 12 YEARS OF AGE AND OLDER

HIGHLIGHTS OF EMERGENCY USE AUTHORIZATION (EUA)

These highlights do not include all the information needed to use Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) under the EUA.

See the FULL FACT SHEET FOR HEALTHCARE PROVIDERS for Novavax COVID-19 Vaccine, Adjuvanted

Novavax COVID-19 Vaccine, Adjuvanted, suspension for intramuscular injection
2024 – 2025 Formula

Original EUA Authorized Date: 07/2022

Most Recent EUA Authorized Date: MM/YYYY

RECENT MAJOR CHANGES

Dosage and Administration, Preparation for Administration (2.1)
MM/YYYY

EMERGENCY USE AUTHORIZATION

The U.S. Food and Drug Administration (FDA) has issued an Emergency Use Authorization (EUA) for the emergency use of Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) for active immunization to prevent coronavirus disease 2019 (COVID-19) caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) in individuals 12 years of age and older. (1)

The Novavax COVID-19 Vaccine, Adjuvanted is not licensed for any use. (1)

See Full Fact Sheet for Healthcare Providers for the justification for emergency use of Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula), information on available alternatives, and additional information on COVID-19.

DOSAGE AND ADMINISTRATION

For intramuscular injection. (2)

Individuals 12 Years of Age and Older Never Vaccinated with Any COVID-19 Vaccine: Administer a series of two doses (0.5 mL each) 3 weeks apart. (2.3)

Individuals 12 Years of Age and Older Vaccinated Only with One Dose of Any Novavax COVID-19 Vaccine, Adjuvanted: Administer a single 0.5 mL dose at least 3 weeks after the previous dose to complete the 2-dose series of Novavax COVID-19 Vaccine, Adjuvanted. (2.3)

Individuals 12 Years of Age and Older Vaccinated with Any COVID-19 Vaccine, Other than Novavax COVID-19 Vaccine, Adjuvanted, or with Two or More Doses of Novavax COVID-19 Vaccine, Adjuvanted: Administer a single 0.5 mL dose at least 2 months after receipt of the last previous dose of COVID-19 vaccine¹. (2.3)

Individuals 12 Years of Age and Older with Certain Kinds of

Immunocompromise: For individuals with certain kinds of immunocompromise², an additional dose of Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) may be administered at least 2 months following the last dose of a COVID-19 vaccine (2024 – 2025 Formula). Additional doses of Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) may be administered at the discretion of the healthcare provider, taking into consideration the individual's clinical circumstances. The timing of the additional doses may be based on the individual's clinical circumstances. (2.3)

DOSAGE FORMS AND STRENGTHS

The Novavax COVID-19 Vaccine, Adjuvanted is a suspension for injection. A single dose is 0.5 mL. (3)

CONTRAINDICATIONS

History of a severe allergic reaction (e.g., anaphylaxis) to any component of the Novavax COVID-19 Vaccine, Adjuvanted or following a previous dose of a Novavax COVID-19 Vaccine, Adjuvanted. (4)

WARNINGS AND PRECAUTIONS

Clinical trials data provide evidence for increased risks of myocarditis and pericarditis following administration of Novavax COVID-19 Vaccine, Adjuvanted. (5.2)

ADVERSE REACTIONS

Solicited adverse reactions included: Injection site pain/tenderness, fatigue/malaise, muscle pain, headache, joint pain, nausea/vomiting, injection site redness, injection site swelling, and fever. (6)

Vaccination providers must report all vaccine administration errors, all serious adverse events, cases of myocarditis, cases of pericarditis, cases of Multisystem Inflammatory Syndrome (MIS), and cases of COVID-19 that result in hospitalization or death following administration of Novavax COVID-19 Vaccine, Adjuvanted to the Vaccine Adverse Event Reporting System (VAERS) by submitting online at <https://vaers.hhs.gov/reportevent.html>. For further assistance with reporting to VAERS call 1-800-822-7967. The reports should include the words "Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) EUA" in the description section of the report. To the extent feasible, report adverse events to Novavax 1-844-NOVAVAX (1-844-668-2829) or provide a copy of the VAERS form to Novavax at www.NovavaxMedInfo.com (6.3)

See FACT SHEET FOR RECIPIENTS AND CAREGIVERS.

¹ The last previous dose of COVID-19 vaccine refers to a prior dose with a COVID-19 vaccine other than a COVID-19 vaccine (2024 – 2025 Formula).

² Certain kinds of immunocompromise refers to individuals who have

undergone solid organ transplantation, or who are diagnosed with conditions that are considered to have an equivalent level of immunocompromise.

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* Sections or subsections omitted from the EUA are not listed

FULL FACT SHEET FOR HEALTHCARE PROVIDERS

1 EMERGENCY USE AUTHORIZATION

The U.S. Food and Drug Administration (FDA) has issued an Emergency Use Authorization (EUA) for the emergency use of Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) for active immunization to prevent coronavirus disease 2019 (COVID-19) caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) in individuals 12 years of age and older.

Novavax COVID-19 Vaccine, Adjuvanted is not licensed for any use.

Justification for Emergency Use of Vaccines During the COVID-19 Pandemic

There is currently an outbreak of COVID-19 caused by SARS-CoV-2. The Secretary of the Department of Health and Human Services (HHS) has:

- Determined that there is a public health emergency, or a significant potential for a public health emergency related to COVID-19.³
- Declared that circumstances exist justifying the authorization of emergency use of drugs and biological products during the COVID-19 pandemic.⁴

An EUA is an FDA authorization for the emergency use of an unapproved product or unapproved use of an approved product (i.e., drug, biological product, or device) in the United States under certain circumstances including, but not limited to, when the Secretary of HHS declares that the use of EUA authority is justified, based on a determination that there is a public health emergency, or a significant potential for a public health emergency, that affects or has a significant potential to affect, national security or the health and security of United States

³ See U.S. Department of Health and Human Services, Determination of a Public Health Emergency and Declaration that Circumstances Exist Justifying Authorizations Pursuant to Section 564(b) of the Federal Food, Drug, and Cosmetic Act, 21 U.S.C. § 360bbb-3. February 4, 2020; <https://www.federalregister.gov/documents/2020/02/07/2020-02496/determination-of-public-health-emergency>. See also U.S. Department of Health and Human Services, Amended Determination of a Public Health Emergency or Significant Potential for a Public Health Emergency Pursuant to Section 564(b) of the Federal Food, Drug, and Cosmetic Act, 21 U.S.C. § 360bbb-3(b). March 15, 2023 (“Amended Determination”); <https://www.federalregister.gov/documents/2023/03/20/2023-05609/covid-19-emergency-use-authorization-declaration>.

⁴ See U.S. Department of Health and Human Services, Declaration that Circumstances Exist Justifying Authorizations Pursuant to Section 564(b) of the Federal Food, Drug, and Cosmetic Act, 21 U.S.C. § 360bbb-3, 85 FR 18250 (April 1, 2020); <https://www.federalregister.gov/documents/2020/04/01/2020-06905/emergency-use-authorization-declaration>. See also Amended Determination (“The declarations issued pursuant to section 564(b)(1) of the FD&C Act that circumstances exist justifying the authorization of emergency use of certain in vitro diagnostics, personal respiratory protective devices, other medical devices and drugs and biological products, as set forth in those declarations, and that are based on the February 4, 2020 determination, remain in effect until those declarations are terminated in accordance with section 564 of the FD&C Act.”).

citizens living abroad, and that involves biological agent(s) or a disease or condition that may be attributable to such agent(s). Criteria for issuing an EUA include:

- The biological agent(s) can cause a serious or life-threatening disease or condition;
- Based on the totality of the available scientific evidence (including data from adequate and well-controlled clinical trials, if available), it is reasonable to believe that:
 - The product may be effective in diagnosing, treating, or preventing the serious or life-threatening disease or condition;
 - The known and potential benefits of the product – when used to diagnose, prevent, or treat such disease or condition – outweigh the known and potential risks of the product, taking into consideration the material threat posed by the biological agent(s); and
- There is no adequate, approved, and available alternative to the product for diagnosing, preventing, or treating the serious or life-threatening disease or condition.

Information Regarding Available Alternative Vaccines for the Prevention of COVID-19 in Individuals 12 Years of Age and Older

COMIRNATY (COVID-19 Vaccine, mRNA) and SPIKEVAX (COVID-19 Vaccine, mRNA) are FDA-approved vaccines to prevent COVID-19 caused by SARS-CoV-2. There may be clinical trials of other COVID-19 vaccines, including vaccines that contain or encode the spike protein of the Omicron variant JN.1 lineage of SARS-CoV-2.

For information on clinical studies of Novavax COVID-19 Vaccine, Adjuvanted and other vaccines for the prevention of COVID-19, see www.clinicaltrials.gov.

2 DOSAGE AND ADMINISTRATION

For intramuscular injection.

2.1 Preparation for Administration

- The Novavax COVID-19 Vaccine, Adjuvanted is a colorless to slightly yellow, clear to mildly opalescent suspension.
- Parenteral drug products should be inspected visually for particulate matter and discoloration prior to administration, whenever solution and container permit. Do not administer the vaccine if either of these conditions exist.

2.2 Administration

Administer the 0.5 mL dose of Novavax COVID-19 Vaccine, Adjuvanted intramuscularly.

2.3 Dose and Schedule

Individuals 12 Years of Age and Older Never Vaccinated with Any COVID-19 Vaccine

Administer Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) as a series of two doses 3 weeks apart.

Individuals 12 Years of Age and Older Vaccinated Only with One Dose of Any Novavax COVID-19 Vaccine, Adjuvanted

Administer a single dose of Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) at least 3 weeks after the previous dose to complete the 2-dose series of Novavax COVID-19 Vaccine, Adjuvanted.

Individuals 12 Years of Age and Older Vaccinated with Any COVID-19 Vaccine, Other than Novavax COVID-19 Vaccine, Adjuvanted, or with Two or More Doses of Novavax COVID-19 Vaccine, Adjuvanted

Administer a single dose of Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) at least 2 months after receipt of the last previous dose of COVID-19 vaccine⁵.

Individuals 12 Years of Age and Older with Certain Kinds of Immunocompromise

For individuals with certain kinds of immunocompromise⁶, an additional dose of Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) may be administered at least 2 months following the last dose of a COVID-19 vaccine (2024 – 2025 Formula). Additional doses of Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) may be administered at the discretion of the healthcare provider, taking into consideration the individual's clinical circumstances. The timing of the additional doses may be based on the individual's clinical circumstances.

3 DOSAGE FORMS AND STRENGTHS

The Novavax COVID-19 Vaccine, Adjuvanted is a suspension for injection. A single dose is 0.5 mL.

4 CONTRAINDICATIONS

Do not administer the Novavax COVID-19 Vaccine, Adjuvanted to individuals with a known history of severe allergic reaction (e.g., anaphylaxis) to any component of the Novavax COVID-

⁵ The last previous dose of COVID-19 vaccine refers to a prior dose with a COVID-19 vaccine other than a COVID-19 vaccine (2024 – 2025 Formula).

⁶ Certain kinds of immunocompromise refers to individuals who have undergone solid organ transplantation, or who are diagnosed with conditions that are considered to have an equivalent level of immunocompromise.

19 Vaccine, Adjuvanted or to individuals who had a severe allergic reaction (e.g., anaphylaxis) following a previous dose of a Novavax COVID-19 Vaccine, Adjuvanted [*see Description (11)*].

5 WARNINGS AND PRECAUTIONS

5.1 Management of Acute Allergic Reactions

Appropriate medical treatment must be immediately available to manage potential anaphylactic reactions following administration of the Novavax COVID-19 Vaccine, Adjuvanted.

Monitor Novavax COVID-19 Vaccine, Adjuvanted recipients for the occurrence of immediate adverse reactions according to the Centers for Disease Control and Prevention guidelines (<https://www.cdc.gov/vaccines/covid-19/clinical-considerations/managing-anaphylaxis.html>).

5.2 Myocarditis and Pericarditis

Clinical trials data provide evidence for increased risks of myocarditis and pericarditis following administration of Novavax COVID-19 Vaccine, Adjuvanted [*see Adverse Reactions (6.1)*].

The CDC has published considerations related to myocarditis and pericarditis after vaccination, including for vaccination of individuals with a history of myocarditis or pericarditis (<https://www.cdc.gov/vaccines/covid-19/clinical-considerations/interim-considerations-us.html#myocarditis-pericarditis>).

5.3 Syncope

Syncope (fainting) may occur in association with administration of injectable vaccines. Procedures should be in place to avoid injury from fainting.

5.4 Altered Immunocompetence

Immunocompromised persons, including individuals receiving immunosuppressant therapy, may have a diminished immune response to the Novavax COVID-19 Vaccine, Adjuvanted.

5.5 Limitations of Vaccine Effectiveness

The Novavax COVID-19 Vaccine, Adjuvanted may not protect all vaccine recipients.

6 ADVERSE REACTIONS

An overview of clinical studies contributing to the safety assessment of Novavax COVID-19 Vaccine, Adjuvanted in individuals 12 years of age and older is provided in [Table 1](#). Participants in these clinical studies received a 2-dose initial series with a COVID-19 vaccine (referred to as a primary series) and some received one or more subsequent doses (referred to as a booster dose).

Table 1: Clinical Studies

Study	Age	Dosing Regimens	Vaccine Recipients ^a
Study 1 (NCT04611802)	18 years of age and older	<u>Primary Series:</u> 2 doses of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) ^b 3 weeks apart	26,106
		<u>Booster Dose:</u> Single dose of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) ^b	12,777 ^{c,d}
	12 years through 17 years of age	<u>Primary Series:</u> 2 doses of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) ^b 3 weeks apart	2,152
		<u>Booster Dose:</u> Single dose of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) ^b	1,499 ^c
Study 5 (NCT05372588)	18 years through 64 years (Part 1)	<u>Booster Dose:</u> Single dose of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) ^b	274 ^e
		<u>Booster Dose:</u> Single dose of monovalent Vaccine (Omicron BA.1) ^f	286 ^e
		<u>Booster Dose:</u> Single dose of Bivalent Vaccine (Original and Omicron BA.1) ^g	269 ^e
	18 years of age and older (Part 2)	<u>Booster Dose:</u> Single dose of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) ^b	251 ^e
		<u>Booster Dose:</u> Single dose of monovalent Vaccine (Omicron BA.5) ^h	254 ^e
		<u>Booster Dose:</u> Single dose of Bivalent Vaccine (Original and Omicron BA.5) ⁱ	259 ^e
COV-BOOST (ISRCTN73765130)	30 years of age and older	<u>Booster Dose:</u> Single dose of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) ^b	114 ^j

Abbreviation: SARS-CoV-2 = severe acute respiratory syndrome coronavirus 2.

^aReceiving at least one dose of the intended dosing regimen.

^bVaccine containing a recombinant spike protein of SARS-CoV-2 Wuhan-Hu 1 strain (Original).

^cBooster dose recipients are a subset of primary series.

^dIncludes 39 participants who did not receive both primary series doses of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) prior to receiving a dose of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) in the booster vaccination period.

^eParticipants received at least 3 doses of an mRNA COVID-19 vaccine prior to inclusion in this study.

^fVaccine containing a recombinant spike protein of SARS-CoV-2 Omicron variant lineage BA.1 (Omicron BA.1), not authorized or approved in the U.S.

^gVaccine containing a recombinant spike protein of SARS-CoV-2 Wuhan-Hu 1 strain (Original) and Omicron variant lineage BA.1 (Omicron BA.1), not authorized or approved in the U.S.

^hVaccine containing a recombinant spike protein of SARS-CoV-2 Omicron variant lineage BA.5 (Omicron BA.5), not authorized or approved in the U.S.

ⁱVaccine containing a recombinant spike protein of SARS-CoV-2 Wuhan-Hu 1 strain (Original) and Omicron variant lineage BA.5 (Omicron BA.5), not authorized or approved in the U.S.

^jRestricted to participants previously vaccinated with Pfizer-BioNTech COVID-19 Vaccine.

The safety data accrued with the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) [no longer authorized for use in the U.S.] and from Novavax's adjuvanted monovalent COVID-19 vaccine (Omicron BA.1) [not authorized or approved in the U.S., hereafter referred to as monovalent vaccine (Omicron BA.1)], Novavax's adjuvanted monovalent COVID-19 vaccine (Omicron BA.5) [not authorized or approved in the U.S., hereafter referred

to as monovalent vaccine (Omicron BA.5)], Novavax’s adjuvanted bivalent vaccine (Original and Omicron BA.1) [not authorized or approved in the U.S, hereafter referred to as bivalent vaccine (Original and Omicron BA.1)] and Novavax’s adjuvanted bivalent vaccine (Original and Omicron BA.5) [not authorized or approved in the U.S., hereafter referred to as bivalent vaccine (Original and Omicron BA.5)] are relevant to Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) because these vaccines are manufactured using a similar process.

6.1 Clinical Trials Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a vaccine cannot be directly compared with rates in the clinical trials of another vaccine and may not reflect the rates observed in practice.

Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent) Administered as a Two-Dose Primary Series

Participants 18 years of age and older

Safety of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) was assessed in a clinical study conducted in the United States (US) and Mexico (NCT04611802; Study 1). In this study, 26,106 participants 18 years of age and older have received at least one dose of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent).

Adolescents 12 Through 17 Years of Age

Safety of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) in adolescents was assessed in the adolescent primary series expansion of Study 1 conducted in the US. In this study, 2,232 participants 12 through 17 years of age have received at least one dose of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) (n=1,487) or placebo (n=745).

Safety Data from Study 1

In Study 1, an ongoing Phase 3, multicenter, randomized, observer-blinded, placebo-controlled study, participants 18 years of age and older have received the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) (n=19,735) or placebo (n=9,847). Overall, 52.0% were male, 48.0% were female; 75.0% were White, 11.8% were Black or African American, 4.1% were Asian, 6.7% were American Indian (including Native Americans) or Alaskan Native, and 1.6% were multiple races; 21.9% were Hispanic/Latino. Demographic characteristics of participants were well balanced between the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) and placebo groups. During the study, COVID-19 vaccines authorized for emergency use became available, and participants, when eligible for vaccination, were offered the opportunity to cross over from the originally assigned study treatment to the other study treatment (vaccine or placebo) in a blinded fashion (“blinded crossover”). In the post-crossover period, 6,416 participants received the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent), and 15,298 participants received placebo. The demographic characteristics of

participants in the pre- and post-crossover groups were comparable. Due to data quality issues at two study sites, a total of 289 additional participants were excluded from the safety analysis set.

Study 1 also included an adolescent primary series expansion. In the pre-crossover period, among adolescent participants who received at least one dose of vaccine (n=1487) or placebo (n=745), 52.5% were male, 47.5% were female; 74.4% were White, 13.9% were Black or African American, 3.4% were Asian, 2.1% were American Indian (including Native Americans) or Alaskan Native, and 5.3% were multiple races; 18.5% were Hispanic/Latino. Demographic characteristics were well balanced between the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) and placebo groups. During the study, COVID-19 vaccines authorized for emergency use became available, and participants, when eligible for vaccination, were offered the opportunity to cross over from the originally assigned study treatment to the other study treatment (vaccine or placebo) in a blinded fashion (“blinded crossover”). In the post-crossover period, 665 participants received the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent), and 1,353 participants received placebo. The demographic characteristics of participants in the pre- and post-crossover groups were comparable.

Study 1 was amended to include a booster dose in which 12,738 individuals 18 to 96 years of age received a booster dose of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) starting approximately 6 months after the two-dose primary series.

Participants 18 years of age and older

Solicited Adverse Reactions

During the pre-crossover period, local and systemic adverse reactions were solicited within 7 days following each dose of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) or placebo in participants using an electronic diary.

The reported frequency and severity of solicited local and systemic adverse reactions series are presented for participants 18 through 64 years of age in [Table 2](#).

Table 2: Number and Percentage of Participants with Solicited Local and Systemic Adverse Reactions Starting within 7 Days^a After Each Dose in Participants 18 Years through 64 Years of Age (Solicited Safety Set,^b Dose 1 and Dose 2)^c

Event	Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent)		Placebo ^d	
	Primary Series		Primary Series	
	Dose 1 N=15884 n (%)	Dose 2 N=15148 n (%)	Dose 1 N=7868 n (%)	Dose 2 N=7361 n (%)
Local Adverse Reactions				
Pain/tenderness				
Any Grade	9604 (60.5)	12234 (80.8)	1706 (21.7)	1623 (22.0)
Grade 3 ^{e,f}	174 (1.1)	951 (6.3)	17 (0.2)	20 (0.3)
Grade 4 ^g	0	5 (0.03)	0	1 (0.01)
Redness (erythema)				
Any Grade	151 (1.0)	1040 (6.9)	21 (0.3)	26 (0.4)
Grade 3 ^h	3 (0.02)	134 (0.9)	0	2 (0.03)
Swelling				
Any Grade	137 (0.9)	943 (6.2)	24 (0.3)	22 (0.3)
Grade 3 ⁱ	7 (0.04)	82 (0.5)	3 (0.04)	1 (0.01)
Systemic Adverse Reactions				
Fever				
Any Grade	56 (0.4)	941 (6.2)	31 (0.4)	16 (0.2)
Grade 3 ^j	7 (0.04)	60 (0.4)	7 (0.09)	2 (0.03)
Grade 4 ^k	4 (0.03)	2 (0.01)	1 (0.01)	0
Headache				
Any Grade	4158 (26.2)	7128 (47.1)	1866 (23.7)	1492 (20.3)
Grade 3 ^l	132 (0.8)	492 (3.2)	58 (0.7)	36 (0.5)
Grade 4 ^m	4 (0.03)	5 (0.03)	1 (0.01)	2 (0.03)
Fatigue/malaise				
Any Grade	4892 (30.8)	8825 (58.3)	2095 (26.6)	1889 (25.7)
Grade 3 ⁿ	249 (1.6)	1591 (10.5)	113 (1.4)	114 (1.5)
Grade 4 ^m	8 (0.05)	7 (0.05)	1 (0.01)	3 (0.04)
Muscle pain (myalgia)				
Any Grade	3827 (24.1)	7682 (50.7)	1073 (13.6)	900 (12.2)
Grade 3 ⁿ	79 (0.5)	805 (5.3)	31 (0.4)	28 (0.4)
Grade 4 ^m	2 (0.01)	5 (0.03)	1 (0.01)	4 (0.05)
Joint pain (arthralgia)				
Any Grade	1260 (7.9)	3542 (23.4)	522 (6.6)	504 (6.8)
Grade 3 ⁿ	49 (0.3)	393 (2.6)	25 (0.3)	22 (0.3)
Grade 4 ^m	1 (< 0.01)	5 (0.03)	0	2 (0.03)
Nausea or vomiting				
Any Grade	1069 (6.7)	1822 (12.0)	466 (5.9)	417 (5.7)
Grade 3 ^o	18 (0.1)	26 (0.2)	7 (0.09)	7 (0.1)
Grade 4 ^p	4 (0.03)	7 (0.05)	2 (0.03)	2 (0.03)

^a 7 days included day of vaccination and the subsequent 6 days. Events and use of antipyretic or pain medication were collected in the electronic diary (eDiary).

^b Solicited safety set includes participants who received at least one dose of study vaccine and completed their eDiary.

^c Absence of rows for Grade 4 adverse reactions indicates no events were reported.

^d Placebo was a saline solution.

^e Grade 3 pain: Defined as any use of narcotic pain reliever or prevents daily activity.

^f Grade 3 tenderness: Defined as significant discomfort at rest.

^g Grade 4 pain/ tenderness: Defined as Emergency Room (ER) visit or hospitalization.

^h Grade 3 redness (erythema): Defined as > 10 cm.

ⁱ Grade 3 swelling: Defined as > 10 cm or prevents daily activity.

^j Grade 3 fever: Defined as 39.0 to 40°C (102.1 to 104°F).

^k Grade 4 fever: Defined as > 40°C (> 104°F).

^l Grade 3 headache: Defined as significant; any use of narcotic pain reliever or prevents daily activity.

^m Grade 4 headache, fatigue/malaise, muscle pain (myalgia), joint pain (arthralgia): Defined as ER visit or hospitalization.

ⁿ Grade 3 fatigue/malaise, muscle pain (myalgia), joint pain (arthralgia): Defined as significant; prevents daily activity.

^o Grade 3 nausea or vomiting: Defined as prevents daily activity, requires outpatient IV hydration.

^p Grade 4 nausea or vomiting: Defined as ER visit or hospitalization for hypotensive shock.

The reported frequency and severity of solicited local and systemic adverse reactions are presented for participants 65 years of age and older in [Table 3](#).

Table 3: Number and Percentage of Participants with Solicited Local and Systemic Adverse Reactions Starting within 7 Days^a After Each Dose in Participants 65 Years of Age and Older (Solicited Safety Set,^b Dose 1 and Dose 2)^c

Event	Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent)		Placebo ^d	
	Primary Series		Primary Series	
	Dose 1 N=2251 n (%)	Dose 2 N=2048 n (%)	Dose 1 N=1114 n (%)	Dose 2 N=978 n (%)
Local Adverse Reactions				
Pain/tenderness				
Any Grade	854 (37.9)	1258 (61.4)	175 (15.7)	161 (16.5)
Grade 3 ^{e,f}	13 (0.6)	43 (2.1)	3 (0.3)	1 (0.1)
Redness (erythema)				
Any Grade	16 (0.7)	99 (4.8)	5 (0.4)	4 (0.4)
Grade 3 ^g	0	7 (0.3)	0	0
Swelling				
Any Grade	18 (0.8)	111 (5.4)	1 (0.09)	4 (0.4)
Grade 3 ^h	1 (0.04)	8 (0.4)	0	1 (0.1)
Systemic Adverse Reactions				
Fever				
Any Grade	8 (0.4)	40 (2.0)	3 (0.3)	7 (0.7)
Grade 3 ⁱ	1 (0.04)	2 (0.1)	0	1 (0.1)
Headache				
Any Grade	344 (15.3)	502 (24.5)	184 (16.5)	144 (14.7)
Grade 3 ^j	12 (0.5)	18 (0.9)	4 (0.4)	2 (0.2)
Grade 4 ^k	1 (0.04)	1 (0.05)	0	0
Fatigue/malaise				
Any Grade	444 (19.7)	714 (34.9)	202 (18.1)	182 (18.6)
Grade 3 ^l	23 (1.0)	68 (3.3)	5 (0.4)	13 (1.3)

Table 3: Number and Percentage of Participants with Solicited Local and Systemic Adverse Reactions Starting within 7 Days^a After Each Dose in Participants 65 Years of Age and Older (Solicited Safety Set,^b Dose 1 and Dose 2)^c

Event	Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent)		Placebo ^d	
	Primary Series		Primary Series	
	Dose 1 N=2251 n (%)	Dose 2 N=2048 n (%)	Dose 1 N=1114 n (%)	Dose 2 N=978 n (%)
Muscle pain (myalgia)				
Any Grade	284 (12.6)	561 (27.4)	125 (11.2)	102 (10.4)
Grade 3 ^l	3 (0.1)	32 (1.6)	4 (0.4)	2 (0.2)
Joint pain (arthralgia)				
Any Grade	139 (6.2)	271 (13.2)	71 (6.4)	63 (6.4)
Grade 3 ^l	4 (0.2)	16 (0.8)	4 (0.4)	2 (0.2)
Grade 4 ^k	0	1 (0.05)	0	0
Nausea/vomiting				
Any Grade	81 (3.6)	108 (5.3)	32 (2.9)	35 (3.6)
Grade 3 ^m	0	3 (0.1)	0	0

^a 7 days included day of vaccination and the subsequent 6 days. Events and use of antipyretic or pain medication were collected in the electronic diary (eDiary).

^b Solicited safety set includes participants who received at least one dose of study vaccine and completed their eDiary.

^c Absence of rows for Grade 4 adverse reactions indicates no events were reported.

^d Placebo was a saline solution.

^e Grade 3 pain: Defined as any use of narcotic pain reliever or prevents daily activity.

^f Grade 3 tenderness: Defined as significant discomfort at rest.

^g Grade 3 redness (erythema): Defined as > 10 cm.

^h Grade 3 swelling: Defined as > 10 cm or prevents daily activity.

ⁱ Grade 3 fever: Defined as 39.0 to 40°C (102.1 to 104°F).

^j Grade 3 headache: Defined as significant; any use of narcotic pain reliever or prevents daily activity.

^k Grade 4 headache, joint pain (arthralgia): Defined as ER visit or hospitalization.

^l Grade 3 fatigue/malaise, muscle pain (myalgia), joint pain (arthralgia): Defined as significant; prevents daily activity.

^m Grade 3 nausea or vomiting: Defined as prevents daily activity, requires outpatient IV hydration.

Unsolicited Adverse Events (non-serious and serious)

In Study 1, participants were monitored for non-serious unsolicited adverse events from the first dose through 28 days after the second dose in both the pre- and post-crossover periods and for serious adverse events for the duration of study participation. Participants who only received the first dose in the pre- and post-crossover periods were monitored for non-serious unsolicited adverse events through 49 days after administration of vaccine or placebo and for serious adverse events for the duration of study participation. In the pre-crossover period 19,735 participants received the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) and 9,847 participants received placebo. In the post-crossover period, 6,416 participants received the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) and 15,298 received placebo. Of participants who received two doses of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) in the pre-crossover period (n=19,111), 78% had a follow-up duration of at least 2 months (median = 2.5 months) after Dose 2. Of participants who received two doses of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) in

the post-crossover period (n=6,346), 99% had a follow-up duration of at least 2 months (median = 4.4 months) after the last dose.

From Dose 1 through 28 days following Dose 2 in the pre-crossover period, the overall frequency of non-serious unsolicited adverse events was similar in the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) group (11.6%) and the placebo group (11.2%). The most frequently reported unsolicited adverse reactions were chills (0.4% vaccine recipients vs. 0.1% placebo recipients), lymphadenopathy-related reactions (0.3% vaccine recipients vs. 0.1% placebo recipients), and injection site pruritus (0.1% vaccine recipients vs. 0.0% placebo recipients). Lymphadenopathy-related reactions included lymphadenopathy, lymphadenitis, lymph node pain, and axillary pain. All lymphadenopathy-related reactions occurred in participants 18 through 64 years of age.

In the pre-crossover period, serious adverse events were reported by 199 (1.0%) participants in the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) group and by 108 (1.1%) participants in the placebo group. In the post-crossover period, serious adverse events were reported by 88 (1.4%) participants who received the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) and by 178 (1.2%) participants who received placebo.

Within 7 days of any dose (including 26,151 Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) recipients and 25,145 placebo recipients in both the pre- and post-crossover periods), hypersensitivity reactions (including urticaria, hypersensitivity, angioedema, and swelling of the face, lips, ear, and/or eyelids) were reported by 26 participants after the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) (0.1%) and 8 participants after placebo (0.03%). Of these events, 1 reaction (generalized urticaria and facial angioedema with a duration of 2 days) was serious and occurred 2 days after Dose 1 of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent).

Within 28 days of any dose, the following numerical imbalances with more events in vaccine than placebo recipients (including 26,151 Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) recipients and 25,145 placebo recipients in both the pre- and post-crossover periods) were observed for the following serious and other adverse events of interest.

- Myocarditis and/or pericarditis were reported by two participants after the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) (0.01%) and no participants after placebo. One serious event was reported by a 67-year-old male 28 days after Dose 1, associated with concomitant COVID-19, and one non-serious event was reported by a 20-year-old male 10 days after Dose 1. Among the two reported events, one was reported as resolved and one did not have follow-up available. Reports of myocarditis and/or pericarditis from Study 1 and Study 2 provide evidence for increased risks of myocarditis and pericarditis following administration of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent).
- Events of cardiomyopathy or cardiac failure were reported by eight participants after the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) (0.03%) and one

participant after placebo (< 0.01%). All events were serious. Additionally, an event of congestive cardiac failure was reported after the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) by a participant who was excluded from the safety analysis set. Currently available information on cardiomyopathy or cardiac failure is insufficient to determine a causal relationship with the vaccine.

- Events of acute cholecystitis were reported by six participants after the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) (0.02%) and two participants after placebo (0.01%). All events were serious. Currently available information on cholecystitis is insufficient to determine a causal relationship with the vaccine.
- A total of 12 non-cardiac, non-neurovascular thrombotic and embolic events were reported by 11 participants after the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) (0.04%) and a total of seven events were reported by six participants after placebo (0.02%). Events following the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) included pulmonary embolism (n=5), deep vein thrombosis (n=2), thrombosis (n=2), and portal vein thrombosis, mesenteric artery thrombosis, and peripheral arterial occlusive disease (n=1 each); six of the events were serious, including pulmonary embolism (n=5) and deep vein thrombosis (n=1). Events following placebo included pulmonary embolism (n=3), and deep vein thrombosis and peripheral arterial occlusive disease (n=2 each), all of which were serious except deep vein thrombosis and peripheral arterial occlusive disease (n=1 each). Currently available information on non-cardiac, non-neurovascular thrombotic and embolic events is insufficient to determine a causal relationship with the vaccine.

Events of uveitis (iritis, uveitis, iridocyclitis) were reported by 3 participants after Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) (0.01%) and 2 participants after placebo (0.01%). All events were non-serious. One participant had onset of uveitis after Dose 1 of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) which resolved and then recurred following Dose 2. The two placebo recipients with events appeared to have had a previous history of uveitis and one of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) recipients had a history of iritis. Currently available information on uveitis is insufficient to determine a causal relationship with the vaccine.

Adolescents 12 Through 17 Years of Age

Solicited Adverse Reactions

During the pre-crossover period, local and systemic adverse reactions were solicited within 7 days following each dose of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) or placebo in participants using an electronic diary.

The reported frequency and severity of solicited local and systemic adverse reactions are presented for participants 12 through 17 years of age in [Table 4](#).

Table 4: Number and Percentage of Participants with Solicited Local and Systemic Adverse Reactions Starting within 7 Days^a After Each Dose in Participants 12 Years through 17 Years of Age (Solicited Safety Set,^b Dose 1 and Dose 2)^c

Event	Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent)		Placebo ^d	
	Dose 1 N=1448 n (%)	Dose 2 N=1394 n (%)	Dose 1 N=726 n (%)	Dose 2 N=686 n (%)
Local Adverse Reactions				
Pain/tenderness				
Any Grade	945 (65.3)	1045 (75.0)	204 (28.1)	141 (20.6)
Grade 3 ^{e,f}	22 (1.5)	108 (7.7)	4 (0.6)	4 (0.6)
Redness (erythema)				
Any Grade	15 (1.0)	104 (7.5)	5 (0.7)	0
Grade 3 ^g	0	10 (0.7)	0	0
Swelling				
Any Grade	20 (1.4)	111 (8.0)	3 (0.4)	1 (0.1)
Grade 3 ^h	0	8 (0.6)	1 (0.1)	0
Systemic Adverse Reactions				
Fever				
Any Grade	11 (0.8)	235 (16.9)	5 (0.7)	1 (0.1)
Grade 3 ⁱ	1 (0.07)	31 (2.2)	0	0
Grade 4 ^j	2 (0.1)	0	0	0
Headache				
Any Grade	440 (30.4)	793 (56.9)	181 (24.9)	119 (17.3)
Grade 3 ^k	13 (0.9)	87 (6.2)	12 (1.7)	14 (2.0)
Grade 4 ^l	0	1 (0.07)	0	0
Fatigue/malaise				
Any Grade	418 (28.9)	807 (57.9)	142 (19.6)	113 (16.5)
Grade 3 ^m	33 (2.3)	223 (16.0)	13 (1.8)	13 (1.9)
Muscle pain (myalgia)				
Any Grade	492 (34.0)	683 (49.0)	114 (15.7)	82 (12.0)
Grade 3 ^m	17 (1.2)	104 (7.5)	4 (0.6)	6 (0.9)
Joint pain (arthralgia)				
Any Grade	102 (7.0)	226 (16.2)	35 (4.8)	21 (3.1)
Grade 3 ^m	6 (0.4)	40 (2.9)	1 (0.1)	2 (0.3)
Nausea or vomiting				
Any Grade	113 (7.8)	277 (19.9)	56 (7.7)	33 (4.8)
Grade 3 ⁿ	2 (0.1)	14 (1.0)	3 (0.4)	3 (0.4)
Grade 4 ^o	0	1 (0.07)	0	0

^a 7 days included day of vaccination and the subsequent 6 days. Events and use of antipyretic or pain medication were collected in the electronic diary (eDiary).

^b Solicited safety set includes participants who received at least one dose of study vaccine and completed their eDiary.

^c Absence of rows for Grade 4 adverse reactions indicates no events were reported.

^d Placebo was a saline solution.

^e Grade 3 pain: Defined as any use of narcotic pain reliever or prevents daily activity.

^f Grade 3 tenderness: Defined as significant discomfort at rest.

^g Grade 3 redness (erythema): Defined as > 10 cm.

^h Grade 3 swelling: Defined as > 10 cm or prevents daily activity.

ⁱ Grade 3 fever: Defined as 39.0 to 40°C (102.1 to 104°F).

^j Grade 4 fever: Defined as > 40°C (> 104°F).

^k Grade 3 headache: Defined as significant; any use of narcotic pain reliever or prevents daily activity.

^l Grade 4 headache, fatigue/malaise, muscle pain (myalgia), joint pain (arthralgia): Defined as ER visit or hospitalization.

^m Grade 3 fatigue/malaise, muscle pain (myalgia), joint pain (arthralgia): Defined as significant; prevents daily activity.

ⁿ Grade 3 nausea or vomiting: Defined as prevents daily activity, requires outpatient IV hydration.

^o Grade 4 nausea or vomiting: Defined as ER visit or hospitalization for hypotensive shock.

Unsolicited Adverse Events (non-serious and serious)

In Study 1, participants were monitored for non-serious unsolicited adverse events from the first dose through 28 days after the second dose in both the pre- and post-crossover periods and for serious adverse events for the duration of study participation. Participants who only received the first dose in the pre- and post-crossover periods were monitored for non-serious unsolicited adverse events through 49 days after administration of vaccine or placebo and for serious adverse events for the duration of study participation. In the pre-crossover period 1,487 participants received the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) and 745 participants received placebo. In the post-crossover period, 665 participants received the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) and 1,353 received placebo. Of participants who received two doses of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) in the pre-crossover period (n=1,468), 86% had a follow-up duration of at least 2 months (median = 71 days) after Dose 2. Of participants who received two doses of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) in the post-crossover period (n=638), 43% had a follow-up duration of at least 1 month (median = 30 days) after the last dose.

From Dose 1 through 28 days following Dose 2 in the pre-crossover period, the overall frequency of non-serious unsolicited adverse events was similar in the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) group (15.5%) and the placebo group (15.3%). The most frequently reported unsolicited adverse reactions were lymphadenopathy-related reactions (0.9% vaccine recipients vs. 0.0% placebo recipients), fatigue (0.5% vaccine recipients vs. 0.0% placebo recipients), decreased appetite (0.3% vaccine recipients vs. 0.0% placebo recipients), arthralgia (0.2% vaccine recipients vs. 0.0% placebo recipients), injection site pruritus (0.2% vaccine recipients vs. 0.0% placebo recipients), and myalgia (0.1% vaccine recipients vs. 0.0% placebo recipients). Lymphadenopathy-related reactions included lymphadenopathy, lymph node pain, and axillary pain.

In the pre-crossover period, serious adverse events were reported by 7 (0.5%) participants in the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) group and by 2 (0.3%) participants in the placebo group. In the post-crossover period, serious adverse events were reported by 3 (0.5%) participants who received the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) and by 2 (0.1%) participants who received placebo.

Within 28 days of any dose, one serious adverse event of interest of myocarditis was observed. The event was reported by a 16-year-old adolescent participant 2 days after Dose 2 of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent).

Safety Data from Other Studies with Primary Series

Study 2 was a randomized, placebo-controlled study that included a crossover design. Approximately 10,800 participants received at least one dose of a COVID-19 vaccine containing SARS-CoV-2 recombinant spike (rS) protein and Matrix-M adjuvant, manufactured by a different process than the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) evaluated in Study 1, and approximately 10,900 participants received at least one dose of placebo.

Serious events of myocarditis in a 19-year-old male and pericarditis in a 60-year-old female were reported within 10 days following administration of Dose 2 and Dose 1, respectively, of the vaccine. Both events were reported as resolved. No events of myocarditis or pericarditis were reported following administration of placebo.

A serious event of Guillain Barré syndrome was reported 9 days following administration of Dose 1 of the vaccine. No events of Guillain Barré syndrome were reported following administration of placebo.

In Studies 3 and 4, approximately 5,500 participants received at least one dose of a COVID-19 vaccine containing SARS-CoV-2 recombinant spike (rS) protein and Matrix-M adjuvant, manufactured by a different process than the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) evaluated in Study 1. No serious adverse events considered related to vaccination were reported in these studies. No events of myocarditis/pericarditis or Guillain Barré syndrome were reported in vaccine recipients in these studies.

Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent) Administered as a Booster Dose Following a Primary Series of Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent) in Participants 18 Years or Older

In an open label portion of Study 1, 12,738 participants 18 years of age and older (based on enrollment until March 26, 2022) received a single booster dose of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) (0.5 mL) at least 6 months after the two-dose primary series (median of 11.0 months between completion of primary series and booster dose). Safety analyses included evaluation of solicited local and systemic adverse reactions within 7 days after a booster dose (n=238) and non-serious unsolicited adverse events within 28 days after a booster dose (n=298). Safety analysis also included evaluation of serious adverse events and adverse events of interest after a booster dose (n=12,738) with a median follow-up of 121 days post booster dose through data extraction of August 18, 2022. The safety follow-up is ongoing.

Among the 12,738 boosted participants, 84.3% were between 18 and 64 years of age and 15.7% were 65 years of age and older, 50.6% were male, 49.4% were female; 72.6% were White, 14.4% were Black or African American, 3.8% were Asian, 6.5% were American Indian

(including Native Americans) or Alaskan Native, 0.2% were Native Hawaiian or Other Pacific Islander, and 1.7% were multiple races; 21.4% were Hispanic or Latino.

Solicited Adverse Reactions

Local and systemic adverse reactions were solicited within 7 days following the third (booster) dose of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) using an electronic diary.

The reported frequency and severity of solicited local and systemic adverse reactions in participants 18 years of age and older are presented in [Table 5](#).

Table 5: Number and Percentage of Participants with Solicited Local and Systemic Adverse Reactions Starting within 7^a Days After Booster Dose in Participants 18 Years of Age and Older (Booster Safety Analysis Set^b)^c

Event	Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent) N=238 n (%)
Local Adverse Reactions	
Pain/tenderness	
Any Grade	193 (81.1)
Grade 3 ^{d,e}	18 (7.6)
Redness (erythema)	
Any Grade	15 (6.3)
Grade 3 ^f	1 (0.4)
Swelling	
Any Grade	20 (8.4)
Grade 3 ^g	2 (0.8)
Systemic Adverse Reactions	
Fever	
Any Grade	15 (6.3)
Grade 3 ^h	2 (0.8)
Headache	
Any Grade	126 (52.9)
Grade 3 ⁱ	14 (5.9)
Fatigue/malaise	
Any Grade	151 (63.4)
Grade 3 ^j	41 (17.2)
Grade 4 ^k	2 (0.8)
Muscle pain (myalgia)	
Any Grade	150 (63.0)
Grade 3 ^j	20 (8.4)
Grade 4 ^k	2 (0.8)

Table 5: Number and Percentage of Participants with Solicited Local and Systemic Adverse Reactions Starting within 7^a Days After Booster Dose in Participants 18 Years of Age and Older (Booster Safety Analysis Set^b)^c

Event	Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent) N=238 n (%)
Joint pain (arthralgia)	
Any Grade	72 (30.3)
Grade 3 ^j	9 (3.8)
Nausea or vomiting	
Any Grade	35 (14.7)
Grade 3 ^l	2 (0.8)
Grade 4 ^m	1 (0.4)

^a 7 days included day of vaccination and the subsequent 6 days. Events and use of antipyretic or pain medication were collected in the electronic diary (eDiary).

^b The analysis included a total of 238 participants who received the booster dose who completed their eDiary

^c Absence of rows for Grade 4 adverse reactions indicates no events were reported.

^d Grade 3 pain: Defined as any use of narcotic pain reliever or prevents daily activity.

^e Grade 3 tenderness: Defined as significant discomfort at rest.

^f Grade 3 redness (erythema): Defined as > 10 cm.

^g Grade 3 swelling: Defined as > 10 cm or prevents daily activity.

^h Grade 3 fever: Defined as 39.0 to 40°C (102.1 to 104°F).

ⁱ Grade 3 headache: Defined as significant; any use of narcotic pain reliever or prevents daily activity.

^j Grade 3 fatigue/malaise, muscle pain (myalgia), joint pain (arthralgia): Defined as significant; prevents daily activity.

^k Grade 4 fatigue/malaise, muscle pain (myalgia): Defined as ER visit or hospitalization.

^l Grade 3 nausea or vomiting: Defined as prevents daily activity, requires outpatient IV hydration.

^m Grade 4 nausea or vomiting: Defined as ER visit or hospitalization for hypotensive shock.

Unsolicited Adverse Events (non-serious and serious)

Participants were monitored through 28 days after the booster dose for unsolicited adverse events. Out of 12,738 total booster participants, data are available for 298 participants for non-serious unsolicited adverse events until May 19, 2022 (median follow-up post booster of 122 days). There were no unsolicited adverse events that occurred in more than one participant.

Additionally, data for serious adverse events and adverse events of interest, including but not limited to allergic, neurologic, inflammatory, vascular, and autoimmune disorders, are available for 12,738 participants until August 18, 2022 (median follow-up post booster of 121 days).

An event of myocarditis was reported by a 28-year-old male participant 3 days after a booster dose of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) in Study 1. The event following the booster dose was adjudicated as a non-ST elevation myocardial infarction; however, clinical features were also consistent with myocarditis (chest pain and elevated troponin), and no cardiac catheterization or cardiac MRI was performed during the acute presentation.

A serious adverse event of autoimmune hepatitis was reported in a 57-year-old male participant approximately 12 days after a booster dose of Novavax COVID-19 Vaccine, Adjuvanted

(Original monovalent). A year prior to vaccination, the participant had transient increases in alanine transferase (ALT), up to 3 times the upper limit of normal (ULN). From a normal baseline ALT prior to receipt of the first dose of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent), ALT increased to 4 times ULN following the second dose of the primary series. After the booster dose, a recurrent and higher ALT increase was observed (7 times ULN). Viral hepatitis tests were negative, and no alternative etiologies have been identified. The event has been ongoing for 8 months and is not resolved with azathioprine treatment. Currently available information for this event is insufficient to determine a causal relationship with the vaccine.

Two serious adverse events in the injected arm were reported, including muscle edema in a 51-year-old female with onset 7 days after booster vaccination and cellulitis of the injection site in a 58-year-old male with onset 3 days after booster vaccination. The cellulitis resolved following antibiotic and steroid treatment. The muscle edema was not responsive to non-steroidal anti-inflammatory agents and has been ongoing for 6 months and is not resolved. Available information for these events is insufficient to determine a causal relationship with the vaccine.

A serious adverse event of extensive left leg and pelvic deep vein thrombosis and pulmonary embolism was reported 7 and 10 days, respectively, post booster in a 35-year-old female participant receiving oral contraceptive therapy. She required surgical intervention, thrombolytic therapy, and needs prolonged anti-coagulation. Available information for these events is insufficient to determine a causal relationship with the vaccine.

Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent), Monovalent Vaccine (Omicron BA.1), Bivalent Vaccine (Original and Omicron BA.1) Administered as a Booster Dose Following Primary and Booster Vaccination with Another Authorized or Approved COVID-19 Vaccine in Individuals 18 Through 64 Years of Age

The safety of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent), the monovalent vaccine (Omicron BA.1) and the bivalent vaccine (Original and Omicron BA.1) administered as a booster dose to individuals 18 through 64 years of age, previously vaccinated with three doses of an authorized or approved mRNA COVID-19 vaccine was assessed in a randomized, observer blind study (NCT05372588, Part 1 in Australia; Study 5).

The safety analysis set included 274 participants in the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) group, 286 participants in the monovalent vaccine (Omicron BA.1) group, and 269 participants in the bivalent vaccine (Original and Omicron BA.1) group. The median time since the last COVID-19 vaccination was 180.0 days. The median age of the population was 41 years (range 18 – 64); 727 (87.7%) participants were 18 through 54 years of age and 102 (12.3%) were 55 years and older. Overall, 46.1% were male, 53.9% were female, 2.4% were Hispanic or Latino, 80.6% were White, 0.2% were African American, 0.6% were Aboriginal Australian, 14.6% were Asian, 0.2% were Native Hawaiian or Pacific Islander, 2.7% were other races, and 1.1% were Multiracial. Demographic characteristics were similar

across the three groups. Safety analysis included a median follow-up of 66 days post booster dose through data cutoff date of 01 September 2022. The safety follow-up is ongoing.

Solicited Adverse Reactions

Local and systemic adverse reactions were solicited within 7 days following vaccination with Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent), the monovalent vaccine (Omicron BA.1), or the bivalent vaccine (Original and Omicron BA.1) using an electronic diary. The reported frequency and severity of solicited local and systemic adverse reactions are presented for participants 18 through 64 years of age in [Table 6](#).

Table 6: Number and Percentage of Participants with Solicited Local and Systemic Adverse Reactions Starting within 7^a Days After Booster Dose in Participants 18 Years through 64 Years of Age Who Received Primary and Booster Vaccination with Another Authorized or Approved COVID-19 Vaccine (Safety Analysis Set)^b

Event	Monovalent Vaccine (Omicron BA.1) N=283	Novavax COVID-19 Vaccine (Original Monovalent) N=272	Bivalent Vaccine (Original and Omicron BA.1) N=268
Local Adverse Reactions			
Pain/tenderness			
Any Grade	196 (69.3)	192 (70.6)	173 (64.6)
Grade 3 ^{c,d}	5 (1.8)	1 (0.4)	2 (0.7)
Redness (erythema)			
Any Grade	7 (2.5)	3 (1.1)	3 (1.1)
Grade 3 ^e	0	0	1 (0.4)
Swelling			
Any Grade	7 (2.5)	3 (1.1)	4 (1.5)
Systemic Adverse Reactions			
Fever			
Any Grade	5 (1.8)	2 (0.7)	1 (0.4)
Grade 3 ^f	1 (0.4)	0	0
Grade 4 ^f	1 (0.4)	0	0
Headache			
Any Grade	106 (37.5)	95 (34.9)	96 (35.8)
Grade 3 ^g	1 (0.4)	3 (1.1)	1 (0.4)
Fatigue/malaise			
Any Grade	127 (44.9)	111 (40.8)	121 (45.1)
Grade 3 ^h	15 (5.3)	8 (2.9)	7 (2.6)
Muscle pain (myalgia)			
Any Grade	71 (25.1)	66 (24.3)	64 (23.9)
Grade 3 ^h	5 (1.8)	0	0

Table 6: Number and Percentage of Participants with Solicited Local and Systemic Adverse Reactions Starting within 7^a Days After Booster Dose in Participants 18 Years through 64 Years of Age Who Received Primary and Booster Vaccination with Another Authorized or Approved COVID-19 Vaccine (Safety Analysis Set)^b

Event	Monovalent Vaccine (Omicron BA.1) N=283	Novavax COVID-19 Vaccine (Original Monovalent) N=272	Bivalent Vaccine (Original and Omicron BA.1) N=268
Joint pain (arthralgia)			
Any Grade	27 (9.5)	29 (10.7)	16 (6.0)
Grade 3 ^h	2 (0.7)	0	1 (0.4)
Nausea or vomiting			
Any Grade	21 (7.4)	19 (7.0)	23 (8.6)
Grade 3 ⁱ	0	1 (0.4)	0

^a 7 days included day of vaccination and the subsequent 6 days. Events were collected in the electronic diary (eDiary). The analysis included a total of 823 participants who received the booster dose who completed their eDiary.

^b Absence of rows for Grade 3 or Grade 4 adverse reactions indicates no events were reported.

^c Grade 3 pain: Defined as any use of narcotic pain reliever or prevents daily activity.

^d Grade 3 tenderness: Defined as significant discomfort at rest.

^e Grade 3 redness (erythema): Defined as > 10 cm.

^f Grade 3 fever: Defined as 39.0 to 40°C (102.1 to 104°F). Grade 4 fever: Defined as > 40°C (> 104°F).

^g Grade 3 headache: Defined as significant; any use of narcotic pain reliever or prevents daily activity.

^h Grade 3 fatigue/malaise, muscle pain (myalgia), joint pain (arthralgia): Defined as significant; prevents daily activity.

ⁱ Grade 3 nausea or vomiting: Defined as prevents daily activity or requires outpatient IV hydration.

Unsolicited Adverse Events (non-serious and serious)

Participants were monitored through 36 days after the booster dose for unsolicited adverse events. Additionally, data for serious adverse events and adverse events of interest, including but not limited to allergic, neurologic, inflammatory, vascular, and autoimmune disorders, are available for participants through the data extraction date of 01 September 2022.

Serious adverse events were reported by 3 participants (3/286, 1.0%) in the monovalent vaccine (Omicron BA.1) group, 2 participants (2/274, 0.7%) in the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) group, and 2 participants (2/269, 0.7%) in the bivalent vaccine (Original and Omicron BA.1) group. None of these serious adverse events were considered related to vaccination.

Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent), Monovalent Vaccine (Omicron BA.5), Bivalent Vaccine (Original and Omicron BA.5) Administered as a Booster Dose Following Primary and Booster Vaccination with Another Authorized or Approved COVID-19 Vaccine in Individuals 18 Years or Older

The safety of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent), the monovalent vaccine (Omicron BA.5), and the bivalent vaccine (Original and Omicron BA.5) administered as a booster dose to individuals 18 years of age and older previously vaccinated with three or more

doses of an authorized or approved mRNA COVID-19 vaccine was assessed in a randomized, observer blind study (NCT05372588, Part 2 in Australia; Study 5).

The safety analysis set included 251 participants in the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) group, 254 participants in the monovalent vaccine (Omicron BA.5) group and 259 participants in the bivalent vaccine (Original and Omicron BA.5) group. The median time since the last COVID-19 vaccination was 352.5 days. The median age of the population was 43.0 years (range 18 – 83); 632 (82.7%) participants were 18 through 54 years of age and 132 (17.3%) were 55 years and older. Overall, 45.0% were male, 55.0% were female, 2.1% were Hispanic or Latino, 80.5% were White, 0.3% were African American, 2.0% were Aboriginal Australian, 12.3% were Asian, 0.7% were Native Hawaiian or Pacific Islander, 3.1% were other races, and 0.9% were Multiracial. Demographic characteristics were similar across the three groups. Safety analysis included a median follow-up of 70 days post booster dose through data extraction of 22 June 2023. The safety follow-up is ongoing.

Solicited Adverse Reactions

Local and systemic adverse reactions were solicited within 7 days following vaccination with Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent), the monovalent vaccine (Omicron BA.5), or the bivalent vaccine (Original and Omicron BA.5) using an electronic diary. The reported frequency and severity of solicited local and systemic adverse reactions are presented for participants 18 years of age and older in [Table 7](#).

Table 7: Number and Percentage of Participants with Solicited Local and Systemic Adverse Reactions Starting within 7^a Days After Booster Dose in Participants 18 Years of Age and Older Who Received Primary and Booster Vaccination with Another Authorized or Approved COVID-19 Vaccine (Safety Analysis Set)^b

Event	Monovalent Vaccine (Omicron BA.5) N=252	Novavax COVID-19 Vaccine (Original Monovalent) N=251	Bivalent Vaccine (Original and Omicron BA.5) N=259
Local Adverse Reactions			
Pain/tenderness			
Any Grade	153 (60.7)	166 (66.1)	169 (65.3)
Grade 3 ^{c,d}	4 (1.6)	2 (0.8)	2 (0.8)
Redness (erythema)			
Any Grade	5 (2.0)	8 (3.2)	6 (2.3)
Swelling			
Any Grade	8 (3.2)	6 (2.4)	6 (2.3)
Systemic Adverse Reactions			
Fever			
Any Grade	2 (0.8)	2 (0.8)	4 (1.5)
Grade 3 ^e	0	0	1 (0.4)
Headache			
Any Grade	73 (29.0)	73 (29.1)	74 (28.6)
Grade 3 ^f	4 (1.6)	2 (0.8)	3 (1.2)
Fatigue/malaise			
Any Grade	106 (42.1)	103 (41.0)	97 (37.5)
Grade 3 ^g	3 (1.2)	7 (2.8)	8 (3.1)
Muscle pain (myalgia)			
Any Grade	59 (23.4)	71 (28.3)	67 (25.9)
Grade 3 ^g	1 (0.4)	2 (0.8)	2 (0.8)
Joint pain (arthralgia)			
Any Grade	18 (7.1)	20 (8.0)	19 (7.3)
Grade 3 ^g	0	1 (0.4)	1 (0.4)
Nausea or vomiting			
Any Grade	19 (7.5)	18 (7.2)	19 (7.3)
Grade 3 ^h	1 (0.4)	0	0

^a7 days included day of vaccination and the subsequent 6 days. Events were collected in the electronic diary (eDiary). The analysis included a total of 762 participants who received the booster dose who completed their eDiary.

^b Absence of rows for Grade 3 or Grade 4 adverse reactions indicates no events were reported.

^c Grade 3 pain: Defined as any use of narcotic pain reliever or prevents daily activity.

^d Grade 3 tenderness: Defined as significant discomfort at rest.

^e Grade 3 fever: Defined as 39.0 to 40°C (102.1 to 104°F).

^f Grade 3 headache: Defined as significant; any use of narcotic pain reliever or prevents daily activity.

^g Grade 3 fatigue/malaise, muscle pain (myalgia), joint pain (arthralgia): Defined as significant; prevents daily activity.

^h Grade 3 nausea or vomiting: Defined as prevents daily activity or requires outpatient IV hydration.

Unsolicited Adverse Events (non-serious and serious)

Participants were monitored through 36 days after the booster dose for unsolicited adverse events. Additionally, data for serious adverse events and adverse events of interest, including but not limited to allergic, neurologic, inflammatory, vascular, and autoimmune disorders, were collected through the data extraction date of June 22, 2023 (median follow-up post booster of 70 days).

Serious adverse events were reported by 4 participants (4/254, 1.6%) in the monovalent vaccine (Omicron BA.5) group, 1 participant (1/251, 0.4%) in the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) group, and 2 participants (2/259, 0.8%) in the bivalent vaccine (Original and Omicron BA.5) group. Two participants reported serious adverse events of cranial nerve palsy, including a serious adverse event of fourth nerve cranial palsy with onset of symptoms 7 days post vaccination and a serious adverse event of sixth nerve palsy with onset of symptoms 14 days post vaccination. Both participants had predisposing risk factors, including diabetes, hypertension, hypercholesterolemia. Currently available information on cranial palsies is insufficient to determine a causal relationship with the vaccine. The remaining serious adverse events were not related to vaccination.

Additionally, the safety of a Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) booster dose in individuals who completed a primary vaccination with another authorized or approved COVID-19 vaccine (heterologous booster dose) is inferred from the report of an independent, multicenter, randomized, controlled, Phase 2, trial conducted in the United Kingdom (ISRCTN 73765130). This study was conducted in adults aged 30 years and older with no history of laboratory-confirmed SARS-CoV-2 infection. One study group (n=114 participants; median age 63 years) received Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) administered at least 84 days (median 105 days) after completion of the Pfizer-BioNTech COVID-19 Vaccine primary series. Reported adverse reactions through 28 days following a Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) booster dose did not identify any new safety concerns, as compared with adverse reactions reported following two doses of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) given as a primary series.

Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent), Administered as a Booster Dose Following a Primary Series of Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent) in Adolescents 12 Through 17 Years of Age

In an open label portion of Study 1, participants 12 years through 17 years of age (N=1,499) received a single booster dose of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) at least 5 months after the two-dose primary series (median of 10 months between completion of primary series and booster dose). Safety analyses included evaluation of solicited local and systemic adverse reactions within 7 days after a booster dose, non-serious unsolicited adverse events within 28 days after a booster dose, and serious adverse events for the duration of participation, with data available through a median follow-up of 6.6 months post booster dose

through data extraction of November 12, 2022 (94.0% of participants had completed 6 months of safety follow-up).

Among the 1,499 participants, 53.8% were male, 46.2% were female; 73.1% were White, 14.6% were Black or African American, 3.5% were Asian, 2.7% were American Indian (including Native Americans) or Alaskan Native, 0.3% were Native Hawaiian or Other Pacific Islander, and 5.1% were multiple races; 18.4% were Hispanic or Latino.

Solicited Adverse Reactions

Local and systemic adverse reactions were solicited within 7 days following the booster dose of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) using an electronic diary. The reported frequency and severity of solicited local and systemic adverse reactions for a randomly selected subset of 190 participants 12 through 17 years of age who completed their eDiary is presented in [Table 8](#).

Table 8: Number and Percentage of Participants with Solicited Local and Systemic Adverse Reactions Starting within 7 Days^a After Booster Dose in Participants 12 Years through 17 Years of Age (Booster Safety Analysis Set^{b,c})

Event	Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent) N=190 n (%)
Local Adverse Reactions	
Pain/tenderness	
Any Grade	153 (80.5)
Grade 3 ^{d,e}	20 (10.5)
Redness (erythema)	
Any Grade	20 (10.5)
Grade 3 ^f	4 (2.1)
Swelling	
Any Grade	19 (10.0)
Grade 3 ^g	2 (1.1)
Systemic Adverse Reactions	
Fever	
Any Grade	44 (23.2)
Grade 3 ^h	12 (6.3)
Headache	
Any Grade	130 (68.4)
Grade 3 ⁱ	25 (13.2)
Fatigue/malaise	
Any Grade	132 (69.5)
Grade 3 ^j	55 (28.9)

Table 8: Number and Percentage of Participants with Solicited Local and Systemic Adverse Reactions Starting within 7 Days^a After Booster Dose in Participants 12 Years through 17 Years of Age (Booster Safety Analysis Set^{b,c})

Event	Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent) N=190 n (%)
Muscle pain (myalgia)	
Any Grade	117 (61.6)
Grade 3 ^l	26 (13.7)
Joint pain (arthralgia)	
Any Grade	43 (22.6)
Grade 3 ^l	9 (4.7)
Nausea or vomiting	
Any Grade	50 (26.3)
Grade 3 ^k	5 (2.6)

^a7 days included day of vaccination and the subsequent 6 days. Events and use of antipyretic or pain medication were collected in the electronic diary (eDiary).

^b The analysis included a total of 190 participants who received the booster dose who completed their eDiary

^c Absence of rows for Grade 4 adverse reactions indicates no events were reported.

^d Grade 3 pain: Defined as any use of narcotic pain reliever or prevents daily activity.

^e Grade 3 tenderness: Defined as significant discomfort at rest.

^f Grade 3 redness (erythema): Defined as > 10 cm.

^g Grade 3 swelling: Defined as > 10 cm or prevents daily activity.

^h Grade 3 fever: Defined as 39.0 to 40°C (102.1 to 104°F).

ⁱ Grade 3 headache: Defined as significant; any use of narcotic pain reliever or prevents daily activity.

^j Grade 3 fatigue/malaise, muscle pain (myalgia), joint pain (arthralgia): Defined as significant; prevents daily activity.

^k Grade 3 nausea or vomiting: Defined as prevents daily activity or requires outpatient IV hydration.

Unsolicited Adverse Events (non-serious and serious)

In Study 1, participants were monitored for non-serious unsolicited adverse events from the first dose through 28 days after the booster dose and for serious adverse events for the duration of study participation.

In a randomly selected subset of 220 participants 12 through 17 years of age, the overall frequency of non-serious unsolicited adverse events through 28 days following the booster dose was 5.0%, including 2 events of lymphadenopathy.

In this open label portion of Study 1, no related serious adverse events were reported in participants 12 years through 17 years of age (N=1,499) through a median safety follow-up of 6.6 months.

6.2 Postmarketing Experience

The following adverse reactions have been identified during post-authorization use of the Novavax COVID-19 Vaccine, Adjuvanted. Because these reactions are reported voluntarily from

a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to vaccine exposure.

Cardiac Disorders: myocarditis, pericarditis

Immune System Disorders: anaphylaxis

Nervous System Disorders: paresthesia, hypoesthesia

6.3 Required Reporting for Adverse Events and Vaccine Administration Errors

Vaccination providers must report the listed events following administration of the Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) to the Vaccine Adverse Event Reporting System (VAERS):

- Vaccine administration errors whether or not associated with an adverse event
- Serious adverse events* (irrespective of attribution to vaccination)
- Cases of myocarditis
- Cases of pericarditis
- Cases of Multisystem Inflammatory Syndrome (MIS)
- Cases of COVID-19 that result in hospitalization or death

*Serious adverse events are defined as:

- Death;
- A life-threatening adverse event;
- Inpatient hospitalization or prolongation of existing hospitalization;
- A persistent or significant incapacity or substantial disruption of the ability to conduct normal life functions;
- A congenital anomaly/birth defect;
- An important medical event that, based on appropriate medical judgment, may jeopardize the individual and may require medical or surgical intervention to prevent one of the outcomes listed above.

Instructions for Reporting to VAERS

Vaccination providers should complete and submit a VAERS form to FDA using one of the following methods:

- Complete and submit the report online: <https://vaers.hhs.gov/reportevent.html>, or

- If you are unable to submit this form electronically, you may fax it to VAERS at 1-877-721-0366. If you need additional help submitting a report, you may call the VAERS toll-free information line at 1-800-822-7967 or send an email to info@vaers.org.

IMPORTANT: When reporting adverse events or vaccine administration errors to VAERS, please complete the entire form with detailed information. It is important that the information reported to the FDA be as detailed and as complete as possible. Information to include:

- Patient demographics (e.g., patient name, date of birth)
- Pertinent medical history
- Pertinent details regarding admission and course of illness
- Concomitant medications
- Timing of adverse event(s) in relationship to administration of the Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula)
- Pertinent laboratory and virology information
- Outcome of the event and any additional follow-up information if it is available at the time of the VAERS report. Subsequent reporting of follow-up information should be completed if additional details become available.

The following steps are highlighted to provide the necessary information for safety tracking:

1. In Box 17, provide information on the Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) and any other vaccines administered on the same day; and in Box 22, provide information on any other vaccines received within one month prior.
2. In Box 18, description of the event:
 - a. Write “Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) EUA” as the first line.
 - b. Provide a detailed report of vaccine administration error and/or adverse event. It is important to provide detailed information regarding the patient and adverse event/medication error for ongoing safety evaluation of this unapproved vaccine. Please see information to include listed above.
3. Contact information:
 - a. In Box 13, provide the name and contact information of the prescribing healthcare provider or institutional designee who is responsible for the report.
 - b. In Box 14, provide the name and contact information of the best doctor/healthcare professional to contact about the adverse event.

- c. In Box 15, provide the address of the facility where vaccine was given (NOT the healthcare provider’s office address).

Other Reporting Instructions

Vaccination providers may report to VAERS other adverse events that are not required to be reported using the contact information above.

To the extent feasible, report adverse events to Novavax, Inc. using the contact information below or by providing a copy of the VAERS form to Novavax, Inc.

Website	Fax number	Telephone number
www.NovavaxMedInfo.com	1-888-988-8809	1-844-NOVAVAX (1-844-668-2829)

7 DRUG INTERACTIONS

There is no information on concomitant administration of the Novavax COVID-19 Vaccine, Adjuvanted with other vaccines.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Pregnancy Exposure Registry

There is a pregnancy exposure registry that monitors pregnancy outcomes in women exposed to the Novavax COVID-19 Vaccine, Adjuvanted during pregnancy. Women who are vaccinated with the Novavax COVID-19 Vaccine, Adjuvanted during pregnancy are encouraged to enroll in the registry by visiting <https://c-viper.pregistry.com/>.

Risk Summary

All pregnancies have a risk of birth defect, loss, or other adverse outcomes. In the US general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively. Available data on the Novavax COVID-19 Vaccine, Adjuvanted administered to pregnant women are insufficient to inform vaccine-associated risks in pregnancy.

A developmental toxicity study was performed in female rats administered a vaccine formulation containing the same quantity of SARS-CoV-2 recombinant spike (rS) protein and one-fifth the quantity of adjuvant and formulation buffer inactive ingredients included in Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) on four occasions, twice prior to mating and twice during gestation. This study revealed no evidence of harm to the fetus due to the vaccine (see [Animal Data](#)).

Clinical Considerations

Disease-Associated Maternal and/or Embryo/Fetal Risk

Pregnant individuals infected with SARS-CoV-2 are at increased risk of severe COVID-19 compared with non-pregnant individuals.

Data

Animal Data

In a developmental toxicity study, 0.1 mL of a vaccine formulation containing the same quantity of SARS-CoV-2 rS protein (5 mcg), one-fifth the quantity of adjuvant (10 mcg), and inactive ingredients which comprise the formulation buffer (25 mM sodium phosphate, 300 mM sodium chloride, and 0.01% (w/v) polysorbate 80) contained in a single dose of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) was administered to female rats by the intramuscular route on four occasions: 27 and 13 days prior to mating, and on gestational days 7 and 15. No vaccine-related adverse effects on female fertility, fetal development, or postnatal development were reported in the study.

8.2 Lactation

Risk Summary

It is not known whether Novavax COVID-19 Vaccine, Adjuvanted is excreted in human milk. Data are not available to assess the effects of the Novavax COVID-19 Vaccine, Adjuvanted on the breastfed infant or on milk production/excretion. The developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for Novavax COVID-19 Vaccine, Adjuvanted and any potential adverse effects on the breastfed child from Novavax COVID-19 Vaccine, Adjuvanted from the underlying maternal condition. For preventive vaccines, the underlying maternal condition is susceptibility to disease prevented by the vaccine.

8.4 Pediatric Use

Novavax COVID-19 Vaccine, Adjuvanted is authorized for use in individuals 12 through 17 years of age.

Novavax COVID-19 Vaccine, Adjuvanted is not authorized for use in individuals younger than 12 years of age.

8.5 Geriatric Use

Clinical studies that evaluated primary vaccination with the Novavax COVID-19 Vaccine, Adjuvanted included participants 65 years of age and older receiving vaccine or placebo, and their data contribute to the overall assessment of safety and efficacy. In an ongoing Phase 3 clinical study (Study 1), 12.6% (n=2,480 Novavax COVID-19 Vaccine, Adjuvanted (Original

monovalent), n=1,235 placebo) of participants were 65 years of age and older and 1.8% (n=361 Novavax COVID-19 Vaccine, Adjuvanted ([Original monovalent]), n=179 placebo) of participants were 75 years of age and older. Vaccine efficacy in participants 65 years of age and older was 78.6% (95% CI: -16.6%, 96.1%) relative to 90.7% (95% CI: 72.9%, 96.8%) in participants 50 through 64 years of age [see *Clinical Trial Results and Supporting Data for EUA (14)*]. Overall, there were no notable differences in the safety profiles observed between participants 65 years of age and older and younger participants [see *Adverse Reactions (6.1)*].

In a clinical study (Study 1) that evaluated a booster dose of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent), 15.7% (n=2006) of participants were 65 years of age and older and 2.6% (n=326) of participants were 75 years of age and older. Overall, there were no notable differences in the safety profiles observed between participants 65 years of age and older and younger participants [see *Adverse Reactions (6.1)*].

11 DESCRIPTION

The Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) is a colorless-to-slightly yellow, clear-to-mildly opalescent suspension for intramuscular injection that is free from visible particles. Each 0.5 mL dose of the Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) contains 5 mcg of recombinant spike (rS) protein from the SARS-CoV-2 Omicron variant lineage JN.1 and 50 mcg Matrix-M adjuvant. The Matrix-M adjuvant is composed of Fraction-A (42.5 mcg) and Fraction-C (7.5 mcg) of saponin extracts from the soapbark tree, *Quillaja saponaria* Molina.

The rS protein is produced by recombinant DNA technology using a baculovirus expression system in an insect cell line that is derived from Sf9 cells of the *Spodoptera frugiperda* species.

Each 0.5 mL dose of the Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) also contains the following ingredients: cholesterol, phosphatidylcholine, potassium dihydrogen phosphate (3.85 mcg), potassium chloride (2.25 mcg), disodium hydrogen phosphate dihydrate (14.7 mcg), disodium hydrogen phosphate heptahydrate (2.465 mg), sodium dihydrogen phosphate monohydrate (0.445 mg), sodium chloride (8.766 mg) and polysorbate 80 (0.050 mg). The pH is adjusted with sodium hydroxide or hydrochloric acid.

Each 0.5 mL dose of the Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) may also contain residual amounts of baculovirus and Sf9 cell proteins (≤ 0.96 mcg), baculovirus and cellular DNA (≤ 0.00016 mcg), lentil lectin (< 0.025 mcg), methyl- α -D-mannopyranoside (2 mcg), simethicone (< 0.92 mcg), pluronic F-68 (< 2.19 mcg), Triton X-100 (< 0.025 mcg), and Tergitol (NP9) (< 0.05 mcg).

The Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) does not contain a preservative.

The syringe tip caps and plunger stoppers are not made with natural rubber latex.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

The Novavax COVID-19 Vaccine, Adjuvanted contains purified, full-length rS protein. The vaccine elicits an immune response to the rS protein, which protects against COVID-19.

14 CLINICAL TRIAL RESULTS AND SUPPORTING DATA FOR EUA

The effectiveness of Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) is based on effectiveness of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) and the immunogenicity of the monovalent vaccine (Omicron BA.1) and monovalent vaccine (Omicron BA.5).

14.1 Efficacy of Two-Dose Primary Series of the Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent) in Participants 18 Years of Age and Older

Study 1 is an ongoing Phase 3, multicenter, randomized, observer-blinded, placebo-controlled study in participants 18 years of age and older in United States and Mexico.

Upon enrollment, participants were stratified by age (18 through 64 years or 65 years of age and older). The study excluded participants who were significantly immunocompromised due to immunodeficiency disease; had active cancer on chemotherapy; received chronic immunosuppressive therapy or received immunoglobulin or blood-derived products within 90 days; were pregnant or breastfeeding; or had a history of laboratory-confirmed diagnosed COVID-19. Participants with clinically stable underlying comorbidities were included as were participants with well-controlled human immunodeficiency virus (HIV) infection.

A total of 29,945 participants were randomized in a 2:1 ratio to receive two doses of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) or placebo 3 weeks apart. Assessments of safety and efficacy against COVID-19 are planned for up to 24 months after the second dose.

The primary efficacy analysis population (Per-Protocol Efficacy [PP-EFF] Analysis Set) included 25,657 participants who received either the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) (n=17,272) or placebo (n=8,385), received two doses (Dose 1 on day 0; Dose 2 on day 21 median 21 days, range 14 – 60), did not experience an exclusionary protocol deviation, and did not have evidence of SARS-CoV-2 infection through 6 days after the second dose. In the PP-EFF Analysis Set, 48.5% were female; 21.5% were Hispanic or Latino; 75.9% were White, 11.0% were Black or African American, 6.2% were American Indian or Alaska Native, 4.4% were Asian, and 1.7% were multiracial. The median age of participants was 47 years (range 18 – 95 years) and 11.7% were 65 years of age and older. Of the study participants in the PP-EFF Analysis Set, 95.2% were at high risk for COVID-19 due to living or working conditions involving known frequent exposure to SARS-CoV-2, comorbidities (chronic lung disease, cardiovascular disease, chronic liver disease, severe obesity, and diabetes), or age

≥ 65 years. Between participants who received the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) and those who received placebo, there were no notable differences in demographics or pre-existing medical conditions. Participants in the PP-EFF Analysis Set were included in the primary efficacy analysis up until the time that they received their crossover vaccination. As of the September 27, 2021, data cutoff date, the PP-EFF Analysis Set had a median follow-up of 2.5 months post-Dose 2 during the pre-crossover period.

Efficacy of a Primary Series in Participants 18 Years of Age and Older

Vaccine efficacy in participants without evidence of SARS-CoV-2 infection through 6 days after the second dose is presented in Table 9. Based on data accrued through September 27, 2021, the efficacy of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) to prevent polymerase chain reaction (PCR)-confirmed symptomatic mild, moderate or severe COVID-19 from 7 days after Dose 2 was 90.4% (95% CI: 83.8%, 94.3%). In the PP-EFF Analysis Set, no cases of moderate or severe COVID-19 were reported in participants who had received the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent), compared with nine cases of moderate COVID-19 and four cases of severe COVID-19 reported in participants who had received placebo.

Table 9: Vaccine Efficacy Against PCR-confirmed COVID-19 with Onset from 7 Days After Second Vaccination 1 (PP-EFF Analysis Set)

Subgroup	Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent)			Placebo			Vaccine Efficacy (95% CI) (%)
	Participants N	COVID-19 Cases n (%)	Mean Incidence Rate Per 1,000 Person-Years ²	Participants N	COVID-19 Cases n (%)	Mean Incidence Rate Per 1,000 Person-Years ²	
Primary efficacy endpoint							
All participants	17,272	17 (0.1)	5.59	8,385	79 (0.9)	58.30	90.4 (83.8, 94.3) ^{3,4}
Mild	–	17 (0.1)	–	–	66 (0.8)	–	–
Moderate	–	0	–	–	9 (0.1)	–	–
Severe	–	0	–	–	4 (< 0.1)	–	–

¹ Vaccine efficacy (VE) evaluated in participants without major protocol deviations who are seronegative (for SARS-CoV-2) at baseline and do not have a laboratory confirmed current SARS-CoV-2 infection with symptom onset through 6 days after the second dose, and who have received two doses of vaccine or placebo as randomized.

² Mean incidence rate per 1,000 person-years was estimated with weighting for age strata reflective of the distribution seen in the study population.

³ Based on log-linear model of PCR-confirmed COVID-19 infection incidence rate using Poisson regression with treatment group and age strata as fixed effects and robust error variance, where $VE = 100 \times (1 - \text{ratio of incidence rate})$ (Zou 2004).

⁴ Met primary efficacy endpoint criterion for success with a lower bound confidence interval (LBCI) > 30% at the planned primary confirmatory analysis.

Descriptive analyses of efficacy showed efficacy point estimates similar to the estimate for the overall study population across genders and racial groups, and across participants with or without medical comorbidities associated with high risk of severe COVID-19. Vaccine efficacy in

participants of Hispanic/Latino ethnicity was 77.0% (95% CI: 48.7%, 89.7%) relative to 94.2% (95% CI: 87.9%, 97.2%) in participants who were not Hispanic/Latino. Vaccine efficacy in participants 65 years of age and older was 78.6% (95% CI: -16.6%, 96.1%) relative to 90.7% (95% CI: 72.9%, 96.8%) in participants 50 through 64 years of age.

14.2 Effectiveness of a Two-Dose Primary Series of the Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent) in Adolescents 12 Through 17 Years of Age

Effectiveness in adolescents 12 years through 17 years of age is based on a comparison of immune responses in this age group to adults 18 years through 25 years of age.

Study 1 is an ongoing Phase 3 multicenter, randomized, observer-blinded, placebo-controlled study that included 2,247 participants 12 through 17 years of age in the United States. Participants were randomized in a 2:1 ratio to receive two doses of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) or placebo 3 weeks apart. The study excluded participants who were significantly immunocompromised due to immunodeficiency disease; had active cancer on chemotherapy; had received chronic immunosuppressive therapy or had received immunoglobulin or blood-derived products within 90 days; were pregnant or breastfeeding; or had a history of laboratory-confirmed diagnosed COVID-19. Participants with clinically stable underlying comorbidities and participants with well-controlled HIV infection were included.

In Study 1, an analysis was conducted of SARS-CoV-2 neutralizing antibody titers 14 days after Dose 2 in a subset of adolescents 12 through 17 years of age and participants 18 through 25 years of age from the adult main study. Noninferior immune responses as assessed by geometric mean titers and seroconversion rates were demonstrated in a comparison of adolescents 12 through 17 years of age to participants 18 through 25 years of age ([Table 10](#)).

Table 10: SARS-CoV-2 Neutralizing Antibody Geometric Mean Titer Ratio and Seroconversion Rate – Comparison of Adolescents 12 Years through 17 Years of Age to Participants 18 Years through 25 Years of Age – Per-Protocol Immunogenicity Analysis Set

Assay	Time Point	12 Years Through 17 Years	18 Years Through 25 Years	12 Years Through 17 Years/ 18 Years Through 25 Years	
		GMT ^a (95% CI) n=390	GMT ^a (95% CI) n=415	GMR ^b (95% CI)	Met Noninferiority Criteria ^c
SARS-CoV-2 wild-type microneutralization assay (1/dilution) ^d	14 days after Dose 2	3859.6 (3422.8, 4352.1)	2611.8 (2367.4, 2881.5)	1.47 (1.26, 1.72) ³	Yes
		SCR% ^e (95% CI) n=385	SCR% ^e (95% CI) n=414	Difference in SCR% ^f (95% CI)	
		98.7 (97.0, 99.6)	99.8 (98.7, 100.0)	-1.04 (-2.75, 0.20)	

CI = Confidence interval; GMR = Geometric mean ratio; GMT = Geometric mean titer; SCR = Seroconversion rate

^aThe 95% CI for GMT is calculated based on the t-distribution of the log-transformed values, then back transformed to the original scale for presentation.

^bGMR is defined as the ratio of two geometric mean titers for comparison of two age cohorts. An analysis of covariance (ANCOVA) with age cohort as main effect and baseline microneutralization assay neutralizing antibodies as covariate was performed to estimate the GMR.

^cNoninferiority was achieved if the following 3 pre-specified criteria were met simultaneously: 1) Lower bound of two-sided 95% CI for the ratio of GMTs ($GMT_{12-17yo}/GMT_{18-25yo} > 0.67$); 2) Point estimate of the ratio of GMTs ≥ 0.82 ; and 3) Lower bound of the two-sided 95% CI for difference of SCRs ($SCR_{12-17yo} - SCR_{18-25yo}$) was $> -10\%$.

^dValidated virus neutralizing assay (VNA) with wild-type virus (SARS-CoV-2 hCoV-19/Australia/VIC01/2020 [GenBank MT007544.1]; 360biolabs, Melbourne, Australia). The lower limit for quantification for this assay was a titer of 20, with titers below this level documented as 10.

^eSCR is defined as percentage of participants with a ≥ 4 -fold difference in titers between Day 35 and Day 0. The 95% CI for SCR was calculated using the Clopper-Pearson exact method.

^fDifference in SCR in the adolescent primary series expansion (Study 1) for 12 years through 17 years of Study 1 minus SCR in Adult Main Study (Study 1) for 18 years through 25 years. The 95% CI for the difference of SCR between groups was calculated with the method of Miettinen and Nurminen.

A descriptive efficacy analysis evaluating PCR-confirmed symptomatic mild, moderate or severe COVID-19 cases was performed in 1,799 participants who were included in the per-protocol efficacy (PP-EFF) Analysis Set, which required receipt of two doses (Dose 1 on day 0; Dose 2 on day 21), no exclusionary protocol deviation(s), and no evidence of SARS-CoV-2 infection through 6 days after the second dose. In the PP-EFF Analysis Set, 47.2% were female; 15.8% were Hispanic or Latino; 76.1% were White, 12.9% were Black or African American, 1.1% were American Indian or Alaska Native, 3.6% were Asian, and 5.6% were multiracial. The median age of participants was 14 years (range 12 – 17 years). Of the study participants in the PP-EFF Analysis Set, 25.3% were obese. Between participants who received the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) and those who received placebo, there were no notable differences in demographics. The median interval between doses of study vaccine was 22 days (range 14 – 43 days). As of the August 9, 2021, data cutoff date, the PP-EFF Analysis Set had a median follow-up of 67 days post-Dose 2 during the pre-crossover period.

Vaccine efficacy in participants without evidence of SARS-CoV-2 infection through 6 days after the second dose is presented in Table 11. Based on data accrued through August 9, 2021, the efficacy of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) to prevent PCR-confirmed symptomatic mild, moderate, or severe COVID-19 from 7 days after Dose 2 was 78.29% (95% CI: 37.55%, 92.45%). No cases of moderate or severe COVID-19 were reported in participants who had received the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) or placebo.

Table 11: Vaccine Efficacy Against PCR-confirmed COVID-19 with Onset from 7 Days After Second Vaccination¹ (PP-EFF Analysis Set)

Subgroup	Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent)			Placebo			Vaccine Efficacy (95% CI) (%)
	Participants N	COVID-19 Cases ³ n (%)	Mean Incidence Rate Per 100 Person-Years	Participants N	COVID-19 Cases ³ n (%)	Mean Incidence Rate Per 100 Person-Years	
Primary efficacy endpoint							
All participants	1205	5 (0.4)	2.69	594	11 (1.9)	12.38	78.29 (37.55, 92.45) ²
Mild	–	5 (0.4)	–	–	11 (1.9)	–	–
Moderate	–	0	–	–	0	–	–
Severe	–	0	–	–	0	–	–

¹ Vaccine efficacy (VE) evaluated in participants without major protocol deviations who were seronegative (for SARS-CoV-2) at baseline and did not have a laboratory confirmed current SARS-CoV-2 infection with symptom onset through 6 days after the second dose, and who had received two doses of vaccine or placebo as randomized.

² Based on Modified Poisson regression with logarithmic link function and treatment group as fixed effect and robust error variance (Zou 2004).

³ All cases for which sequence data are available (vaccine n=2; placebo n=7) were due to the Delta variant.

14.3 Immunogenicity of a Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent) Booster Dose Following a Novavax COVID-19 Vaccine, Adjuvanted Primary Series in Participants 18 Years and Older

Effectiveness of a booster dose of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) was based on assessment of neutralizing antibody titers (MN₅₀) against the original SARS-CoV-2 strain (SARS-CoV-2 hCoV-19/Australia/VIC01/2020). Immunogenicity analyses compared the MN₅₀ titers following the booster dose to the MN₅₀ titers following the primary series.

In the open-label booster phase of Study 1, participants 18 years of age and older received a single booster dose of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) at least 6 months after completion of the primary series. A subset of 243 participants were included in the per-protocol immunogenicity (PP-IMM) analysis set, did not have serologic or virologic evidence (if available) of SARS-CoV-2 infection up to 28 days post booster dose. Among

participants assessed for immunogenicity, 87.2% were 18 – 64 years of age, 12.8 % were 65 years of age and older, 51.0% were males, 49.0% were female; 15.6% were Hispanic or Latino; 81.5% were White, 11.1% were Black or African American, 0.4% were American Indian or Alaska Native, 4.9% were Asian, and 1.6% were multiracial. The median age of participants was 52 years (range 19 – 79 years).

Prespecified immunogenicity noninferiority analyses included an assessment of MN₅₀ geometric mean titer (GMT) ratio and difference in seroconversion rates. Seroconversion for a participant was defined as achieving a 4-fold rise in MN₅₀ from baseline (before the booster dose and before the first dose of the primary series).

The analysis of the GMT ratio of MN₅₀ following the booster dose compared with the primary series met the noninferiority criteria for a booster response (lower limit of the 95% CI > 0.67 and point estimate > 0.83).

The lower limit of the two-sided 95% CI for the difference in seroconversion rates (percentage) was -14.4%, which did not meet the noninferiority criteria for a booster response (lower limit of 95% CI for the percentage difference of \geq -10%). These analyses are summarized in [Table 12](#) and [Table 13](#).

Table 12: Neutralizing Antibody Geometric Titers (MN₅₀) Against the Original SARS-CoV-2 Virus Strain (SARS CoV-2 hCoV-19/Australia/VIC01/2020) at 28 Days after a Booster Dose Versus 14 Days After Completion of the Primary Series, Participants 18 Years of Age and Older, PP-IMM Analysis Set¹

Booster Dose (N=239)² GMT (95% CI)³	Primary Series (N=239) GMT (95% CI)³	GMT Ratio (Booster/Primary Series) (95% CI)¹	Met Success Criteria
5075.6 (4448.3, 5791.4)	1505.7 (1244.1, 1822.3)	3.4 (2.8, 4.0)	Lower limit of 95% CI > 0.67 and point estimate > 0.83 criteria: Yes

Abbreviations: CI = confidence interval; GMT = geometric mean titer; MN₅₀ = microneutralization assay with an inhibitory concentration of 50%; PP-IMM = Per-Protocol Immunogenicity.

¹ PP-IMM Analysis Set included participants who received two doses (0.5 mL 3 weeks apart) of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) in the initial vaccination period or in the blinded crossover vaccination period, had an immunogenicity blood sample collected at Day 35, did not have serologic or virologic evidence (if available) of SARS-CoV-2 infection up to 28 days post booster dose, did not receive an emergency use authorized COVID-19 vaccine, received the booster dose, and remained blinded on study and without major protocol deviations until 7 days post-crossover Dose.

² The analysis included a total of 239 participants of the PP-IMM analysis set who had immunogenicity data available for both the booster and primary series.

³ The 95% CI for GMT and GMT ratio were calculated based on the t-distribution of the log-transformed values, then back transformed to the original scale for presentation.

Note: The median duration between the time of the second dose of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) and the time of the booster dose was 10 months.

Table 13: Seroconversion Rates (%) Against the Original SARS-CoV-2 Strain (SARS-CoV-2 hCoV-19/Australia/VIC01/2020) at 28 Days After a Booster Dose Versus 14 Days After Completion of the Primary Series, Participants 18 Years of Age and Older, PP-IMM Analysis Set¹

Booster Dose (N=239)² SCR % (n) (95% CI)³	Primary Series (N=239) SCR % (n) (95% CI)³	Difference in SCR⁴ (Booster-Primary Series) (95% CI)⁵	Met Success Criteria⁶
85.4 (204) (80.2, 89.6)	94.6 (226) (90.9, 97.1)	-9.2% (-14.4%, -4.5%)	Lower limit of 95% CI > -10% criterion: No

Abbreviations: CI = confidence interval; PP-IMM = Per-Protocol Immunogenicity; SCR = seroconversion rate.

¹ PP-IMM Analysis Set included participants who received two doses (0.5 mL 3 weeks apart) of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) in the initial vaccination period or in the blinded crossover vaccination period, had an immunogenicity blood sample collected at Day 35, did not have serologic or virologic evidence (if available) of SARS-CoV-2 infection up to 28 days post booster dose, did not receive an emergency use authorized COVID-19 vaccine, received the booster dose, and remained blinded on study and without major protocol deviations until 7 days post-crossover Dose 2.

² The analysis included a total of 239 participants of the PP-IMM analysis set who had immunogenicity data (microneutralization) available for both the booster and primary series

³ 95% CI is based on the Clopper-Pearson method.

⁴ Based on the Tango method.

⁵ Comparison between SCR of 28 days post-booster relative to time of booster and SCR of 14 days after second dose of the primary series relative to time of first dose.

⁶ Noninferiority of the single booster dose was achieved if the lower limit of the 95% CI for the difference of the proportion of participants with SCR at 28 days after a single booster dose relative to the time of booster vaccination versus at 14 days after the second dose of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) relative to the time of first vaccination was > -10%.

Note: SCR was defined as the proportion of participants with post-vaccination levels \geq 4-fold higher than the baseline levels.

Note: The median duration between the time of the second dose of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) and the time of the booster dose was 10 months.

An additional descriptive analysis evaluated seroconversion rates using baseline neutralizing antibody titers prior to Dose 1 of the primary series. As shown in [Table 14](#), the booster dose seroconversion rate, with seroconversion defined as at least a 4-fold rise relative to the time of first dose, was 98.3%. The difference in seroconversion rates in this post-hoc analysis was 3.8% (95% CI: 2.0%, 7.0%).

Table 14: Seroconversion Rates (%) Against the Original SARS-CoV-2 Strain (SARS CoV-2 hCoV-19/Australia/VIC01/2020) at 28 Days After a Booster Dose Versus 14 Days After Completion of the Primary Series, Participants 18 Years of Age and Older, PP-IMM Analysis Set¹

Booster Dose (N=239)² SCR n % (n) (95% CI)³	Primary Series (N=239) SCR n % (n) (95% CI)³	Difference in SCR⁴ (Booster-Primary Series) (95% CI)⁵
98.3 (235) (95.8, 99.5)	94.6 (226) (90.9, 97.1)	3.8% (2.0%, 7.0%)

Abbreviations: CI = confidence interval; PP-IMM = Per-Protocol Immunogenicity; SCR = seroconversion rate.

¹ PP-IMM Analysis Set included all participants who received two doses (0.5 mL 3 weeks apart) of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) in the initial vaccination period or in the blinded crossover vaccination period, had an immunogenicity blood sample collected at Day 35, did not have serologic or virologic evidence (if available) of SARS-CoV-2 infection up to 28 days post booster dose, did not receive an emergency use authorized COVID-19 vaccine, received the booster dose, and remained blinded on study and without major protocol deviations until 7 days post-crossover Dose 2.

² The analysis included a total of 239 participants of the PP-IMM analysis set who had immunogenicity data (microneutralization) available for both the booster and primary series.

³ 95% CI is based on the Clopper-Pearson method.

⁴ Based on the Tango method.

⁵ Comparison between SCR of 28 days post-booster relative to time of first dose and SCR of 14 days after second dose of the primary series relative to time of first dose.

Note: SCR was defined as the proportion of participants with post-vaccination levels \geq 4-fold higher than at the time of the first dose.

Note: The median duration between the time of the second dose of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) and the time of the booster dose was 10 months.

14.4 Immunogenicity of a Booster Dose of Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent), Following a Primary Series with Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent), in Participants 12 through 17 Years of Age

Effectiveness of a booster dose of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) was based on assessment of neutralizing antibody titers (MN₅₀) against the original SARS-CoV-2 strain (SARSCoV-2 hCoV-19/Australia/VIC01/2020). Immunogenicity analyses compared the MN₅₀ titers following the booster dose to the MN₅₀ titers following the primary series in participants who had data at both time points.

In the open-label booster phase of Study 1, participants 12 through 17 years of age received a single booster dose of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) at least 5 months after completion of the primary series. A subset of 58 participants were included in the per-protocol immunogenicity (PP-IMM) analysis set, had immunogenicity blood samples collected at 14 days after the second dose of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) and at 28 days after the booster dose, and did not have serologic or virologic evidence of SARS-CoV-2 infection on or before the booster dose. Among participants assessed for immunogenicity, 51.7% were males, 48.3% were female; 17.2% were Hispanic or Latino; 91.4% were White, 1.7% were Black or African American, 1.7% were Asian, and 5.2% were multiracial. The median age of participants was 14 years (range 12 – 17 years).

Prespecified immunogenicity noninferiority analyses included an assessment of MN₅₀ GMT ratio and percentage difference in seroconversion rates. Seroconversion for a participant was defined as achieving a 4-fold rise in MN₅₀ from baseline (before the first dose of the primary series).

The analysis of the GMT ratio of MN₅₀ following the booster dose compared with the primary series met the noninferiority criteria for a booster response (lower limit of the 95% CI > 0.67 and point estimate > 0.83).

The lower limit of the two-sided 95% CI for the difference in seroconversion rates (percentage) was -6.8%, which did meet the noninferiority criteria for a booster response (lower limit of 95% CI for the percentage difference of $\geq -10\%$). These analyses are summarized in [Table 15](#) and [Table 16](#).

Table 15: Neutralizing Antibody Geometric Titers (MN₅₀) Against the Original SARS-CoV-2 Virus Strain (SARS CoV-2 hCoV-19/Australia/VIC01/2020) at 28 Days After a Booster Dose Versus 14 Days After Completion of the Primary Series, Participants 12 Years through 17 Years of Age, PP-IMM Analysis Set¹

Booster Dose (N=53)² GMT (95% CI)³	Primary Series (N=53) GMT (95% CI)³	GMT Ratio (Booster/Primary Series) (95% CI)¹	Met Success Criteria
11824.4 (8993.1, 15546.9)	4434.0 (3658.0, 5374.5)	2.7 (2.0, 3.5)	Lower limit of 95% CI > 0.67 and point estimate > 0.83 criteria: Yes

Abbreviations: CI = confidence interval; GMT = geometric mean titer; MN₅₀ = microneutralization assay with an inhibitory concentration of 50%; PP-IMM = Per-Protocol Immunogenicity.

¹ PP-IMM Analysis Set included participants who received two doses (0.5 mL 3 weeks apart) of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) in the initial vaccination period or in the blinded crossover vaccination period, had an immunogenicity blood sample collected at Day 35 (primary series) and at 28 days after booster vaccination, did not have serologic or virologic evidence of SARS-CoV-2 infection on or before the booster dose, did not receive an emergency use authorized COVID-19 vaccine, received the booster dose, and remained blinded on study and without major protocol deviations until 7 days post-crossover Dose.

² The analysis included a total of 53 participants of the PP-IMM analysis set who had immunogenicity data available for both the booster and primary series.

³ The 95% CI for GMT and GMT ratio were calculated based on the t-distribution of the log-transformed values, then back transformed to the original scale for presentation.

Note: The median duration between the time of the second dose of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) and the time of the booster dose was 10.6 months.

Table 16: Seroconversion Rates (%) Against the Original SARS-CoV-2 Strain (SARS-CoV-2 hCoV-19/Australia/VIC01/2020) at 28 Days After a Booster Dose Versus 14 Days After Completion of the Primary Series, Participants 12 Years through 17 Years of Age, PP-IMM Analysis Set¹

Booster Dose (N=53)² SCR % (95% CI)³	Primary Series (N=53) SCR % (95% CI)³	Difference in SCR⁴ (Booster-Primary Series) (95% CI)⁵	Met Success Criterion⁶
100 (93.3, 100)	100 (93.3, 100)	0.0 (-6.8, 6.8)	LB of 95% CI > -10% criterion: Yes

Abbreviations: CI = confidence interval; PP-IMM = Per-Protocol Immunogenicity; SCR = seroconversion rate.

¹ PP-IMM Analysis Set included participants who received two doses (0.5 mL 3 weeks apart) of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) in the initial vaccination period or in the blinded crossover vaccination period, had an immunogenicity blood sample collected at Day 35 (primary series) and at 28 days after booster vaccination, did not have serologic or virologic evidence of SARS-CoV-2 infection on or before the booster dose, did not receive an emergency use authorized COVID-19 vaccine, received the booster dose, and remained blinded on study and without major protocol deviations until 7 days post-crossover Dose..

² The analysis included a total of 53 participants of the PP-IMM analysis set who had immunogenicity data (microneutralization) available for both the booster and primary series

³ 95% CI is based on the Clopper-Pearson method.

⁴ Based on the Tango method.

⁵ Comparison between SCR of 28 days post-booster relative to time of booster and SCR of 14 days after second dose of the primary series relative to time of first dose.

⁶ Noninferiority of the single booster dose was achieved if the lower limit of the 95% CI for the difference of the proportion of participants with SCR at 28 days after a single booster dose relative to the time of first vaccination versus at 14 days after the second dose of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) relative to the time of first vaccination was > -10%.

Note: SCR was defined as the proportion of participants with post-vaccination levels \geq 4-fold higher than the baseline levels.

Note: The median duration between the time of the second dose of the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) and the time of the booster dose was 10.6 months.

14.5 Immunogenicity of a Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent) Booster Dose Following Primary Vaccination with Another Authorized or Approved COVID-19 Vaccine

Effectiveness of a Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) booster dose in individuals who completed primary vaccination with another authorized or approved COVID-19 vaccine is inferred from immunogenicity data reported from an independent study conducted in the United Kingdom (ISRCTN 73765130). This multicenter, randomized, controlled Phase 2 trial investigated the immunogenicity of a single booster dose of Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) in participants who had received two doses of the Pfizer-BioNTech COVID-19 Vaccine as a primary vaccination series. Participants included adults aged 30 years and older with no history of laboratory-confirmed SARS-CoV-2 infection. The Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) was administered at least 84 days after completion of a Pfizer-BioNTech COVID-19 Vaccine primary series in 114 participants. Neutralizing antibody titers measured by a microneutralization assay were assessed prior to the booster dose and 28 days post-booster dose. A booster response to the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) was demonstrated.

14.6 Immunogenicity of Monovalent Vaccine (Omicron BA.1) and Monovalent Vaccine (Omicron BA.5) Doses Following Primary and Booster Vaccination with Another Authorized or Approved COVID-19 Vaccine in Participants 18 Years of Age and Older

In Study 5 Part 1, a subgroup of participants 18 through 64 years of age who previously received 3 doses of the Pfizer-BioNTech COVID-19 Vaccine or the Moderna COVID-19 Vaccine, received one of the following as a booster dose: Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) or monovalent vaccine (Omicron BA.1). The booster doses were administered at a median of 182 and 177 days after the last vaccination, respectively. Neutralizing antibody titers for the Omicron BA.1 virus, measured by a microneutralization assay [MN₅₀], were evaluated at 14 days after vaccination. Participants included in the day 14 per-protocol analysis set population (n=240) had no serologic or virologic evidence of SARS-CoV-2 infection prior to the booster dose.

Prespecified immunogenicity analyses included an assessment of MN₅₀ GMT ratio and difference in seroresponse rates. Seroresponse rate was defined as the percentage of participants achieving a 4-fold rise in MN₅₀ from baseline (before the first dose of the study vaccine).

The analysis of the GMT ratio following the booster dose with monovalent vaccine (Omicron BA.1) compared to the booster dose with Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) met the superiority criterion for success (lower limit of the 95% CI > 1.0).

The lower limit of the two-sided 95% CI for the difference in seroresponse rates (percentage) was 10.3%, which met the noninferiority criterion for success (lower limit of 95% CI for the percentage difference of > -5%). These analyses are summarized in [Table 17](#) and [Table 18](#).

Table 17: Summary of Geometric Mean Titers of Monovalent Vaccine (Omicron BA.1) Against the Omicron BA.1 Virus at 14 Days After a Booster Dose Versus the Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent) at 14 Days After a Booster Dose, Participants 18 Years through 64 Years of Age, PP Analysis Set¹

Monovalent Vaccine (Omicron BA.1) (N=124)² GMT (95% CI)³	Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent) (N=116)² GMT (95% CI)³	GMT Ratio⁴ [Monovalent Vaccine (Omicron BA.1)/Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent)] (95% CI)⁴	Met Success Criterion
130.8 (109.2, 156.7)	83.9 (69.6, 101.2)	1.6 (1.33, 2.03)	Yes ⁵

Abbreviations: ANCOVA = analysis of covariance; CI = confidence interval; GMT = geometric mean titer; MN₅₀ = microneutralization assay with an inhibitory concentration of 50%; PP = Per-Protocol; SARS-CoV-2 = severe acute respiratory syndrome coronavirus 2.

- ¹ PP Analysis Set included participants who received study vaccine according to protocol, did not have serologic or virologic evidence of SARS-CoV-2 infection on or before the booster dose, and had no major protocol violations that were considered clinically relevant to impact immunogenicity.
- ² The analysis included participants of the PP analysis set who had immunogenicity data available at baseline and at 14 days post booster dose.
- ³ The 95% CI for GMT were calculated based on the t-distribution of the log-transformed values, then back transformed to the original scale for presentation.
- ⁴ An ANCOVA with vaccine group as fixed effect and baseline value as covariate was performed to estimate the GMT ratio. The mean difference between vaccine groups and the corresponding CI limits was then exponentiated to obtain the ratio of MN₅₀ GMTs and the corresponding 95% CIs.
- ⁵ Success criterion is met if the lower bound of the two-sided 95% CI was above unity (i.e., > 1).

Table 18: Summary of Seroreponse Rate of Monovalent Vaccine (Omicron BA.1) Against the Omicron BA.1 Virus at 14 Days After a Booster Dose Versus the Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent) at 14 Days After a Booster Dose, Participants 18 Years through 64 Years of Age, PP Analysis Set¹

Monovalent Vaccine (Omicron BA.1) (N=124)² SRR³ % (95% CI)⁴	Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent) (N=116)² SRR³ % (95% CI)⁴	Difference in SRR [(Monovalent Vaccine (Omicron BA.1) - Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent)] % (95% CI)⁵	Met Success Criterion
73.4 (64.7, 80.9)	50.9 (41.4, 60.3)	22.5 (10.3, 34.2)	Yes ⁶

Abbreviations: CI = confidence interval; MN₅₀ = microneutralization assay with an inhibitory concentration of 50%; PP = Per-Protocol; SARS-CoV-2 = severe acute respiratory syndrome coronavirus 2; SRR = seroreponse rate.

- ¹ PP Analysis Set included participants who received study vaccine according to protocol, did not have serologic or virologic evidence of SARS-CoV-2 infection on or before the booster dose, and had no major protocol violations that were considered clinically relevant to impact immunogenicity.
- ² The analysis included participants of the PP analysis set who had immunogenicity data available at baseline and at 14 days post booster dose.
- ³ The SRR was defined as percentage of participants at each post vaccination visit with a titer ≥ 4-fold rise in MN₅₀ level.
- ⁴ The 95% CI for SRR was calculated using the exact Clopper-Pearson method.
- ⁵ The 95% CI for the difference in SRR was calculated based on the method of Miettinen and Nurminen.
- ⁶ Success criterion is met if the lower bound of the two-sided 95% CI was above -5%.

In sensitivity analyses using a per-protocol analysis set that did not exclude participants with serologic evidence of SARS-CoV-2 infection (PP2 Analysis Subset, n=491), neutralizing antibody responses against the Omicron BA.1 virus induced by the monovalent vaccine (Omicron BA.1) were compared with neutralizing antibody responses against the Omicron BA.1 virus induced by the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) 14 days after study vaccination.

The GMTs were 318.2 (95% CI: 269.8, 375.3) in the monovalent vaccine (Omicron BA.1) group (n=247) and 218.1 (95% CI: 186.0, 255.7) in the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) group (n=244), resulting in an estimated GMT ratio of the monovalent vaccine (Omicron BA.1) versus the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) of 1.5 (95% CI: 1.36, 1.77).

The seroresponse rates (percentage) were 54.3% in the monovalent vaccine (Omicron BA.1) group and 32.0% in the Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) group, resulting in a difference in seroresponse rates (percentage) of 22.3% (95% CIs: 13.6%, 30.6%).

In Study 5 Part 2, a subgroup of participants 18 years of age and older who previously received at least 3 doses of the Pfizer-BioNTech COVID-19 Vaccine or the Moderna COVID-19 Vaccine, received one of the following as a booster dose: Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) or monovalent vaccine (Omicron BA.5). The booster doses were administered a median of 389 and 328 days after the last vaccination, respectively. Neutralizing antibody titers against a pseudovirus expressing the SARS-CoV-2 Spike protein from the Omicron BA.5 virus, measured by pseudovirus neutralization assay [ID₅₀], were evaluated at 28 days after vaccination. Participants included in the day 28 per-protocol analysis set population (n=462) had no virologic evidence of SARS-CoV-2 infection at time of the booster dose.

Exploratory immunogenicity analyses included an assessment of the ID₅₀ GMT ratio and difference in seroresponse rates. Seroresponse rate was defined as the percentage of participants achieving a 4-fold rise in ID₅₀ from baseline (before the first dose of the study vaccine).

The GMT ratio following the booster dose with monovalent vaccine (Omicron BA.5) compared with the booster dose with Novavax COVID-19 Vaccine, Adjuvanted (Original monovalent) was 2.5 (two-sided 95% confidence interval: 2.10, 2.94).

The difference in seroresponse rates (percentage) between the booster dose with monovalent vaccine (Omicron BA.5) and the booster dose with Novavax Vaccine, Adjuvanted (Original monovalent) was 33.2% (two-sided 95% confidence interval: 25.4%, 40.7%). These analyses are summarized in [Table 19](#) and [Table 20](#).

Table 19: Summary of Geometric Mean Titers of Monovalent Vaccine (Omicron BA.5) Against a Pseudovirus Expressing the SARS-CoV-2 Spike Protein from Omicron BA.5 Sublineage at 28 Days After a Booster Dose Versus the Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent) at 28 Days After a Booster Dose, Participants 18 Years of Age and Older, PP Analysis Set¹

Monovalent Vaccine (Omicron BA.5) (N=235)² Adjusted GMT³ (95% CI)³	Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent) (N=227)² Adjusted GMT³ (95% CI)³	GMT Ratio³ [Monovalent Vaccine (Omicron BA.5)/ Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent)] (95% CI)³
1279.1 (1119.7, 1461.1)	515.1 (450.4, 589.0)	2.5 (2.10, 2.94)

Abbreviations: ANCOVA = analysis of covariance; CI = confidence interval; GMT = geometric mean titer; PP = Per-Protocol; SARS-CoV-2 = severe acute respiratory syndrome coronavirus 2.

¹ PP Analysis Set included participants who received study vaccine according to protocol, had serologic or virologic results for baseline and at Day 28, and had no major protocol violations that were considered clinically relevant to impact immunogenicity.

² The analysis included participants of the PP analysis set who had immunogenicity data available at baseline and at 28 days post booster dose.

³ An ANCOVA with vaccine group and age group (18 – 54 years, ≥ 55 years) as fixed effects and baseline value (Day 0) as covariate is performed to estimate the adjusted GMT and GMT ratio. The mean difference between vaccine groups and the corresponding CI limits is then exponentiated to obtain the ratio of GMTs and the corresponding 95% CIs.

Table 20: Summary of Seroresponse Rate of Monovalent Vaccine (Omicron BA.5) Against a Pseudovirus Expressing the SARS-CoV-2 Spike Protein from Omicron BA.5 Sublineage at 28 Days After a Booster Dose Versus the Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent) at 28 Days After a Booster Dose, Participants 18 Years of Age and Older, PP Analysis Set¹

Monovalent Vaccine (Omicron BA.5) (N=235)² SRR³ % (95% CI)⁴	Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent) (N=227)² SRR³ % (95% CI)⁴	Difference in SRR [(Monovalent Vaccine (Omicron BA.1) - Novavax COVID-19 Vaccine, Adjuvanted (Original Monovalent)] % (95% CI)⁵
45.5 (39.0, 52.1)	12.3 (8.4, 17.3)	33.2 (25.4, 40.7)

Abbreviations: CI = confidence interval; LLOQ = lower limit of quantitation; PP = Per-Protocol; SARS-CoV-2 = severe acute respiratory syndrome coronavirus 2; SRR = seroresponse rate.

¹ PP Analysis Set included participants who received study vaccine according to protocol, had serologic or virologic results for baseline and at Day 28, and had no major protocol violations that were considered clinically relevant to impact immunogenicity.

² The analysis included participants of the PP analysis set who had immunogenicity data available at baseline and at 28 days post booster dose.

³ The SRR is defined as ≥ 4-fold increase from baseline value if the baseline value is equal to or above LLOQ; or ≥ 4 times the LLOQ if the baseline value is below LLOQ.

⁴ The 95% CI for SRR is calculated using the exact Clopper-Pearson method.

⁵ The 95% CI for the difference in SRR was calculated based on the method of Miettinen and Nurminen.

16 HOW SUPPLIED/STORAGE AND HANDLING

The Novavax COVID-19 Vaccine, Adjuvanted (2024 – 2025 Formula) is supplied as:

- Carton (NDC 80631-107-10) containing 10 single-dose pre-filled syringes.
- Each pre-filled syringe (NDC 80631-107-01) contains 1 dose of 0.5 mL.

Storage

Store single-dose pre-filled syringes in a refrigerator between 2 to 8°C (36 to 46°F).

Do not freeze.

Protect from light.

17 PATIENT COUNSELING INFORMATION


Advise the recipient or caregiver to read the Fact Sheet for Recipients and Caregivers.

The vaccination provider must include vaccination information in the state/local jurisdiction's Immunization Information System (IIS) or other designated system. Advise recipient or caregiver that more information about IISs can be found at:

<https://www.cdc.gov/vaccines/programs/iis/about.html>.

18 MANUFACTURER INFORMATION

For general questions, visit the website or call the telephone number provided below.

Website	Telephone number
<p>www.NovavaxCovidVaccine.com</p> 	<p>1-844-NOVAVAX (1-844-668-2829)</p>

This Full EUA Prescribing Information may have been updated. For the most recent Full EUA Prescribing Information, please see www.NovavaxCovidVaccine.com.



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