



RSV Vaccination in Adults: Introduction

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Chair, Adult RSV Work Group

Advisory Committee on Immunization Practices

October 24, 2024

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June 2024 ACIP Recommendations for RSV Vaccination in Older Adults:

ACIP recommends **all adults aged ≥ 75 years and adults aged 60–74 years who are at increased risk of severe RSV disease** receive a single dose of RSV vaccine.^{1,2}

1. Recommendation is for any Food and Drug Administration–approved RSV vaccine (Arexvy [GSK]; Abrysvo [Pfizer]; or mResvia [Moderna]). There is no product preference.
2. Eligible adults are currently recommended to receive a single dose of RSV vaccine; adults who have already received RSV vaccination should not receive another dose.

Current FDA-approved RSV vaccines

- **Protein subunit (based on RSV F protein in prefusion conformation)**
 - **GSK Arexvy**¹: monovalent RSV-A, AS01_E adjuvant
 - **Pfizer Abrysvo**²: bivalent RSV-A/RSV-B, no adjuvant
- **Messenger RNA (mRNA, encoding RSV F protein in prefusion conformation)**
 - **Moderna mResvia**³: monovalent RSV-A, no adjuvant

1. <https://www.fda.gov/media/167805/download>

2. <https://www.fda.gov/media/168889/download>

3. <https://www.fda.gov/media/179005/download>

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- **mRNA**

- **Moderna mResvia**³: monovalent RSV-A, no adjuvant

Approved for prevention of lower respiratory tract disease (LRTD) caused by RSV in **adults aged ≥60 years**

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Also approved for prevention of LRTD caused by RSV in **adults aged 50–59 years who are at increased risk for LRTD caused by RSV***

- **mRNA**

- **Moderna mResvia**³: monovalent RSV-A, no adjuvant

1. <https://www.fda.gov/media/167805/download>
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*There is no current ACIP recommendation for RSV vaccination in **non-pregnant** adults aged <60 years.

Current FDA-approved RSV vaccines

- **Protein subunit**

- **GSK Arexvy**¹: monovalent RSV-A, AS01_E adjuvant
- **Pfizer Abrysvo**²: bivalent RSV-A/RSV-B, no adjuvant →

- **mRNA**

- **Moderna mResvia**³: monovalent RSV-A, no adjuvant

Also approved and recommended for active immunization of **pregnant individuals of any age*** at 32–36 weeks gestational age for the prevention of LRTD and severe LRTD caused by RSV in infants from birth through 6 months of age.

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2. <https://www.fda.gov/media/168889/download>
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Current FDA-approved RSV vaccines

- **Protein subunit**

- **GSK Arexvy**¹: monovalent RSV-A, AS01_E adjuvant
- **Pfizer Abrysvo**²: bivalent RSV-A/RSV-B, no adjuvant →

As of 10/22/24⁴: also approved for prevention of LRTD caused by RSV in **adults aged 18–59 years who are at increased risk for LRTD caused by RSV***

- **mRNA**

- **Moderna mResvia**³: monovalent RSV-A, no adjuvant

1. <https://www.fda.gov/media/167805/download>

2. <https://www.fda.gov/media/168889/download>

3. <https://www.fda.gov/media/179005/download>

4. <https://www.pfizer.com/news/press-release/press-release-detail/us-fda-approves-pfizers-rsv-vaccine-abrysvor-adults-aged-18>

*There is no current ACIP recommendation for RSV vaccination in **non-pregnant** adults aged <60 years.

Today's meeting

- No vote at today's meeting
- Since June, the Work Group has been reviewing updated data relevant to current recommendations and discussing potential policy options for an RSV vaccination recommendation in adults aged <60 years
- Today, ACIP will see presentations from FDA, as well as manufacturer presentations with updates on co-administration, duration of protection, and immunogenicity in adults with immune compromise
- The Work Group will share interpretations regarding these updates and considerations for future policy

Agenda: Thursday October 24, 2024

- Manufacturer presentation: mResvia (Moderna) coadministration with high-dose influenza vaccine
- Manufacturer presentation: Abrysvo (Pfizer) immunogenicity in immunocompromised adults and coadministration with COVID-19 and influenza vaccines
- Manufacturer presentation: Arexvy (GSK) season 3 update on safety, efficacy and immunogenicity in solid organ transplant recipients
- Evaluation of Guillain-Barré Syndrome (GBS) following protein subunit RSV vaccination among adults 65 years and older
- Work Group interpretations
- ACIP open discussion and questions
- Dr. Rituparna Das (Moderna)
- Dr. Iona Munjal (Pfizer)
- Dr. Susan Gerber (GSK)
- Dr. Patricia Lloyd (FDA)
- Dr. Michael Melgar (CDC)

For more information, contact CDC
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TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

