

ONCE-
A-WEEK **AVONEX**[®]
(interferon beta-1a)
30 MCG IM INJECTION

*Looking for an established
treatment option for relapsing MS?*

ASK ABOUT

ONCE 
-a-Week
AVONEX

*Jeff, taking
AVONEX for 12 years*

What is AVONEX[®] (interferon beta-1a)?

AVONEX is a prescription medicine used to treat relapsing forms of multiple sclerosis (MS), to include clinically isolated syndrome, relapsing-remitting disease, and active secondary progressive disease in adults.

It is not known if AVONEX is safe and effective in children.

**Please see Important Safety Information on pages 2-3 and
accompanying full Prescribing Information and Medication Guide.**

Important Safety Information

Who should not use AVONEX?

- **Do not take AVONEX if you** are allergic to interferon beta or any of the ingredients in AVONEX

Before beginning treatment, you should discuss with your healthcare provider the potential benefits and risks associated with AVONEX.



What is AVONEX® (interferon beta-1a)?

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What is the most important information I should know about AVONEX?

AVONEX can cause serious side effects. Tell your healthcare provider right away if you have any of the symptoms listed below while taking AVONEX.

- **Depression, suicidal thoughts, hallucinations or other behavioral health problems.** Some people taking AVONEX may develop mood or behavior problems, including irritability (getting upset easily), depression (feeling hopeless or feeling bad about yourself), nervousness, anxiety, aggressive behavior, thoughts of hurting yourself or suicide, and hearing or seeing things that others do not hear or see (hallucinations)

If you have any of these mood or behavior problems, your healthcare provider may tell you to stop taking AVONEX.

- **Liver problems, or worsening of liver problems including liver failure and death. Tell your healthcare provider right away if you have any of these symptoms:** Nausea, loss of appetite, tiredness, dark colored urine and pale stools, yellowing of your skin or the white part of your eye, bleeding more easily than normal, confusion, and sleepiness. During your treatment with AVONEX you will need to see your healthcare provider

regularly and have regular blood tests to check for side effects. Tell your healthcare provider about all the medicines you take and if you drink alcohol before you start taking AVONEX

- **Serious allergic reactions and skin reactions.** Serious allergic and skin reactions can happen when you take AVONEX. **Symptoms of serious allergic and skin reactions may include** itching, swelling of the face, eyes, lips, tongue or throat, trouble breathing, anxiousness, feeling faint, and skin rash, hives, sores in your mouth, or your skin blisters and peels

Get emergency help right away if you have any of these symptoms. Talk to your healthcare provider before taking another dose of AVONEX.

Before taking AVONEX, tell your healthcare provider about all of your medical conditions, including if you:

- are being treated for a mental illness, or had treatment in the past for any mental illness, including depression and suicidal behavior
- have or had bleeding problems or blood clots, have or had low blood cell counts, have or had liver problems, have or had seizures (epilepsy), have or had heart problems, have or had thyroid problems, have or had any kind of autoimmune disease (where the body's immune system attacks the body's own cells)
- drink alcohol
- have or have had an allergic reaction to rubber or latex. The tip cap of the AVONEX prefilled syringe and prefilled autoinjector Pen contain natural rubber latex
- are pregnant or plan to become pregnant. It is not known if AVONEX can harm your unborn baby
- are breastfeeding or plan to breastfeed. AVONEX may pass into your breastmilk. Talk with your healthcare provider about the best way to feed your baby if you take AVONEX

Tell your healthcare provider about all the medicines you take, including prescription and over-the-counter medicines, vitamins, and herbal supplements.

What are the possible side effects of AVONEX?

AVONEX can cause serious side effects, including:

- **Injection site reactions.** AVONEX may cause redness, pain, itching, or swelling at the place where your injection was given. Call your healthcare provider right away if an injection site becomes swollen and painful or the area looks infected. You may have a skin infection or an area of severe skin damage (necrosis) requiring treatment by a healthcare provider
- **Heart problems, including heart failure.** Some people who did not have a history of heart problems developed heart muscle problems or congestive heart failure after taking AVONEX. If you already have heart failure, AVONEX may cause your heart failure to get worse. Call your healthcare provider right away if you have worsening symptoms of heart failure such as shortness of breath or swelling of your lower legs or feet while using AVONEX
 - Some people using AVONEX may have other heart problems including low blood pressure, fast or abnormal heartbeat, chest pain, and heart attack or a heart muscle problem (cardiomyopathy)
- **Blood problems.** AVONEX can affect your bone marrow and cause low red and white blood cell, and platelet counts. In some people, these blood cell counts may fall to dangerously low levels. If your blood cell counts become very low, you can get infections and problems with bleeding and bruising
- **Thrombotic microangiopathy (TMA).** TMA is a condition that involves injury to the smallest blood vessels in your body. TMA can also cause injury to your red blood cells (the cells that carry oxygen to your organs and tissues) and your platelets (cells that help your blood clot) and can sometimes lead to death. Your healthcare provider may tell you to stop taking AVONEX if you develop TMA
- **Pulmonary arterial hypertension.** Pulmonary arterial hypertension can occur with interferon beta products, including AVONEX. Symptoms may include new or increasing fatigue or shortness of breath. Contact your healthcare provider right away if you develop these symptoms

- **Seizures.** Some people have had seizures while taking AVONEX, including people who have never had seizures before. Tell your healthcare provider right away if you have a seizure
- **Autoimmune diseases.** Problems with easy bleeding or bruising (idiopathic thrombocytopenia), thyroid gland problems (hyperthyroidism and hypothyroidism), and autoimmune hepatitis have happened in some people who use AVONEX

The most common side effects of AVONEX include:

- **Flu-like symptoms.** Most people who take AVONEX have flu-like symptoms especially early during the course of therapy. Usually, these symptoms last for a day after the injection. Symptoms may include muscle aches, fever, tiredness, and chills

You may be able to manage these flu-like symptoms by taking over-the-counter pain and fever reducers. Talk with your healthcare provider about ways to help if you develop flu-like symptoms while taking AVONEX.

These are not all of the possible side effects of AVONEX.

Call your healthcare provider for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

Please see accompanying full Prescribing Information and Medication Guide.

This information does not take the place of talking with your healthcare provider about your medical condition or your treatment.

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Experience I can trust

Get to know AVONEX

Whether you are newly diagnosed with relapsing MS or thinking of switching from another treatment, we hope this brochure can help you and your healthcare provider learn more about AVONEX.

25+
years of
real-world
experience

600,000
people treated
worldwide since
1996

*Sarah, taking
AVONEX for 15+ years*

#1
**PRESCRIBED
INTERFERON**
*for relapsing MS**

*This information is an estimate derived from the use of information under license from the following IQVIA information service: IQVIA NPA[®] NBRx monthly data for the period January 2021-April 2023.

Please see Important Safety Information on pages 2-3 and accompanying full **Prescribing Information** and **Medication Guide**.

The **4 main sections** inside this brochure will give you a basic understanding of AVONEX

1. Efficacy

How this therapy may help treat your relapsing MS

2. Safety

What side effects you may experience and tips that may help you manage common side effects

3. Dosing

When and how to take AVONEX

4. Support

Information on financial assistance and insurance support, including the **Biogen Copay Program*** if you're eligible

*There is an annual cap on the amount of assistance that patients can receive over a one-year period. Federal and state laws and other factors may prevent or otherwise restrict eligibility. People covered by Medicare, Medicaid, the VA/DoD, or any other federal plans are not eligible to enroll. You are eligible to enroll in the **Biogen Copay Program** for as long as it is offered and you are treated with a Biogen relapsing MS medication.



AVONEX works in 3 key areas



Helps slow disability progression



Helps reduce relapses



Helps reduce brain lesions on MRI*

Studied in 2 clinical trials of 600+ people, AVONEX was tested against a placebo, or fake treatment—a standard way to measure if a drug works as expected. Patients received 30 micrograms (mcg) of AVONEX or placebo by intramuscular (IM) injection once weekly.

/// Study 1

In a 2-year study, 158 people with relapsing MS taking AVONEX were compared with 143 people taking placebo

/// Study 2

193 people who had recently experienced a first flare-up and had lesions consistent with MS on their MRIs received AVONEX and were compared with 190 people with relapsing MS taking placebo. Patients were followed for up to 3 years[†]

*The link between brain lesions and the progression of relapsing MS has not been confirmed.

[†]A study of people who had experienced a first flare-up and had lesions consistent with MS on MRI. In this study, a relapse was defined as 1) a new clinical sign of MS that differed from the patient's presentation when they entered the study, or 2) an increase of at least 1.5 Expanded Disability Status Scale (EDSS) points, or 3) further worsening noted at 2 months or the patient withdrew before completing 2 months of treatment.

1. Helps slow disability progression

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/// ONE IMPORTANT GOAL OF TREATMENT for relapsing forms of MS should be to delay the progression of disability.

At the end of the 2-year clinical trial (Study 1), 78% (67/85) of people taking AVONEX had no increase in disability, compared with 65% (58/87) of people taking placebo.

- The percentage of patients progressing by the end of 2 years was 22% for AVONEX-treated patients and 35% for placebo-treated patients

People taking AVONEX were 37% less likely to have increased disability at 2 years.

*To explore how AVONEX could help with your relapsing MS, visit **AVONEX.com***

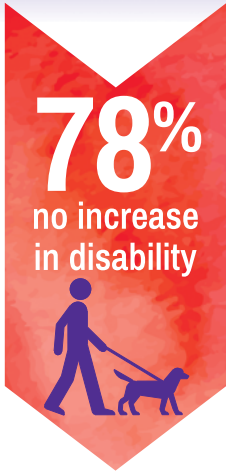
Important Safety Information

What is the most important information I should know about AVONEX?

AVONEX can cause serious side effects. Tell your healthcare provider right away if you have any of the symptoms listed below while taking AVONEX.

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If you have any of these mood or behavior problems, your healthcare provider may tell you to stop taking AVONEX.





2. Helps reduce relapses

/// RELAPSES, OR EXACERBATIONS, can be disruptive. A goal of treatment for relapsing MS should be to reduce the risk of relapses.

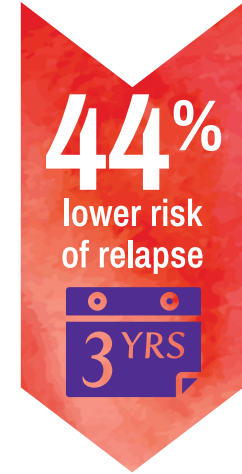
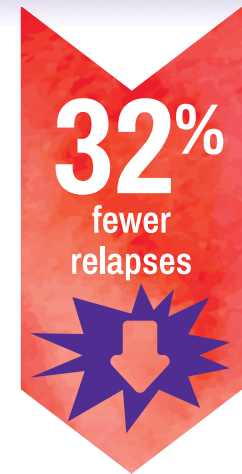
In people who took AVONEX for the full 2-year study (Study 1), AVONEX reduced relapses by 32% compared with placebo.

- The annual relapse rate was 0.61 per patient-year in the AVONEX-treated group and 0.90 per patient-year in the placebo-treated group

When including the people enrolled in the study who didn't take AVONEX for the full 2 years, AVONEX reduced relapses by 18% compared with placebo.

- The annual relapse rate was 0.67 per patient-year in the AVONEX-treated group and 0.82 per patient-year in the placebo-treated group

In the 3-year clinical study (Study 2) of people who had only experienced one flare-up, people taking AVONEX were 44% less likely to have a second relapse at 3 years compared with people taking placebo.



3. Helps reduce brain lesions on MRI



/// ONE WAY TO MONITOR RELAPSING MS is by observing brain lesions with MRI. Lesions can appear on MRI with or without any visible symptoms.

The link between brain lesions and the progression of relapsing MS has not been confirmed. In the 2-year study (Study 1), AVONEX reduced the number of gadolinium-enhancing (Gd+) lesions by 75%, compared with the beginning of the study.*

- At the start of the study, people in the AVONEX group had 3.2 Gd+ lesions vs 0.8 lesions after 2 years on AVONEX

In the 3-year study (Study 2), AVONEX reduced the size of T2 lesions by 91% compared with placebo at 18 months.

- Change in T2 lesion volume from the start of the study was 28 mm³ in the AVONEX group versus 313 mm³ in the placebo group

*The placebo group experienced a 30% reduction from baseline in the number of Gd+ lesions after 2 years.

Important Safety Information

What is the most important information I should know about AVONEX? (cont'd)

AVONEX can cause serious side effects. Tell your healthcare provider right away if you have any of the symptoms listed below while taking AVONEX.

- **Liver problems, or worsening of liver problems including liver failure and death. Tell your healthcare provider right away if you have any of these symptoms:** Nausea, loss of appetite, tiredness, dark colored urine and pale stools, yellowing of your skin or the white part of your eye, bleeding more easily than normal, confusion, and sleepiness. During your treatment with AVONEX you will need to see your healthcare provider regularly and have regular blood tests to check for side effects. Tell your healthcare provider about all the medicines you take and if you drink alcohol before you start taking AVONEX





AVONEX has a well-understood safety profile

Read more about safety and side effects on pages 2-3



The safety of AVONEX was studied in 2 well-controlled clinical trials conducted over 2 to 3 years. And AVONEX has more than 25+ years of real-world safety experience.

It is important to talk to your healthcare provider about the potential side effects of AVONEX. This section can help you understand the possible side effects of AVONEX, including serious side effects.

What is the most important information I should know about AVONEX?

AVONEX can cause serious side effects. Tell your healthcare provider right away if you have any of the symptoms listed below while taking AVONEX.



Depression, suicidal thoughts, hallucinations or other behavioral health problems



Liver problems, or worsening of liver problems including liver failure and death



Serious allergic reactions and skin reactions

Get emergency help right away if you have any of these symptoms. Talk to your healthcare provider before taking another dose of AVONEX.

What are the possible side effects of AVONEX?

AVONEX can cause serious side effects, including:



Injection site reactions



Heart problems, including heart failure



Blood problems



Thrombotic microangiopathy (TMA)



Pulmonary arterial hypertension



Seizures



Autoimmune diseases

During your treatment with AVONEX you will need to see your healthcare provider regularly and have regular blood tests to check for side effects. If you experience certain side effects, your healthcare provider may tell you to stop taking AVONEX.



Flu-like symptoms



The most common side effects of AVONEX include flu-like symptoms.

- Most people who take AVONEX have flu-like symptoms, especially early during the course of therapy
- Usually, these symptoms last for a day after the injection
- Symptoms may include muscle aches, fever, tiredness, and chills

Ways to help manage flu-like symptoms

- ✓ Stay well hydrated
- ✓ Ask your healthcare provider about using over-the-counter pain and fever reducers on treatment days
- ✓ Experiment with different times of day for your injection. Symptoms may peak at different times depending on the individual
- ✓ Keep a journal to note how long after your injection any side effects occur, how much water you drink, and any pain relievers you take

Remember, it's important to talk to a healthcare provider about any side effects you experience.

Pregnancy and breastfeeding



Before you use AVONEX, tell your healthcare provider if you:

- Are pregnant or plan to become pregnant
 - It is not known if AVONEX can harm your unborn baby
- Are breastfeeding or plan to breastfeed. AVONEX may pass into your breastmilk
 - Talk with your healthcare provider about the best way to feed your baby if you take AVONEX

To learn more about AVONEX and pregnancy and breastfeeding, please speak to your healthcare provider. Additional information is available in the accompanying full **Prescribing Information** and at **AVONEX.com**.

Please see Important Safety Information on pages 2-3 and accompanying full **Prescribing Information** and **Medication Guide**.

I trust one injection,
once a week

AVONEX is a once-weekly treatment for relapsing MS. Would one injection per week fit your schedule?

52 INJECTIONS
per year

Your healthcare provider should show you how to prepare your dose of AVONEX and how to inject your AVONEX before you use it for the first time. A healthcare provider or nurse should watch the first AVONEX injection you give yourself. Always consult the Instructions for Use before injecting.

Please see Important Safety Information on pages 2-3 and accompanying full Prescribing Information and Medication Guide.

How to take AVONEX



AVONEX is a 30-mcg intramuscular (into the muscle) injection and is available in **1 of 2 ways**:

AVONEX PEN[®] is a prefilled, single-dose autoinjector that lets you treat relapsing MS in a single click. It includes a covered needle that's half the length of the standard needle for AVONEX prefilled syringe.



AVONEX prefilled syringe lets you inject your weekly dose of AVONEX by following a step-by-step process.

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Get emergency help right away if you have any of these symptoms. Talk to your healthcare provider before taking another dose of AVONEX.



Our team is here to help you



Get support today

Call **1-800-456-2255** Monday-Friday from 8:30 AM to 8 PM ET. Hablamos español.
Or visit **AVONEX.com** to learn more about our support services.

If you’re living with relapsing MS, know that you’re not alone. **Biogen Support Services** is here to help along the way.

Once you’re prescribed AVONEX, you can get connected to a **Biogen Support Coordinator** who can help answer questions you may have. They’ll provide one-on-one phone support and are ready to help you throughout treatment.

Nurse Educators are registered nurses, working on behalf of Biogen, and many are MS-certified. They understand the challenges you may be facing and are ready to support you throughout your time on AVONEX. They’re available to:

- Answer questions or provide information related to your relapsing MS and AVONEX
- Offer additional injection training for you and your care partners. Injection training can be done either in your home or virtually depending on your preference

Remember, your healthcare team is always your best source of information.

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Financial & insurance assistance



At Biogen, our goal is for everyone to get the support they need so they can afford their treatment. We can work with you to understand your insurance coverage and medication cost, and explore financial assistance options for your AVONEX.

Understanding Your Insurance

Biogen Support Coordinators will communicate with you and your insurance company to explain coverage options and costs, including guiding you through the Prior Authorization process. They can explain complicated insurance information and changes.

Finding Financial Assistance

Biogen Support Coordinators can also help identify potential options for financial assistance with your relapsing MS medication. If you are:



Commercially insured: if you’re eligible, the **Biogen Copay Program** could lower your medication cost to as little as \$0*

Government insured: we can check to see if you are eligible for alternative government insurance programs

Uninsured or underinsured: we can research other possible financial assistance available to you

*There is an annual cap on the amount of assistance that patients can receive over a one-year period. Federal and state laws and other factors may prevent or otherwise restrict eligibility. People covered by Medicare, Medicaid, the VA/DoD, or any other federal plans are not eligible to enroll. You are eligible to enroll in the **Biogen Copay Program** for as long as it is offered and you are treated with a Biogen relapsing MS medication.

1. Which medication do you recommend for people with relapsing MS?
2. How will I know if my medication is working?
3. Which medications can help slow disability progression?
4. Which medications can help reduce relapses?
5. What side effects can I expect from each medication?
6. How can I manage common side effects like flu-like symptoms?
7. Could gradually building up to a full dose of medication help me avoid flu-like symptoms?

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is a small tab at the top left corner and a small notch at the bottom right corner, suggesting it's part of a binder or notebook. The paper is otherwise blank, with no text or markings.

Ask your provider about the once-a-week treatment with more than 25+ years of real-world experience



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