

# Continuing to advance

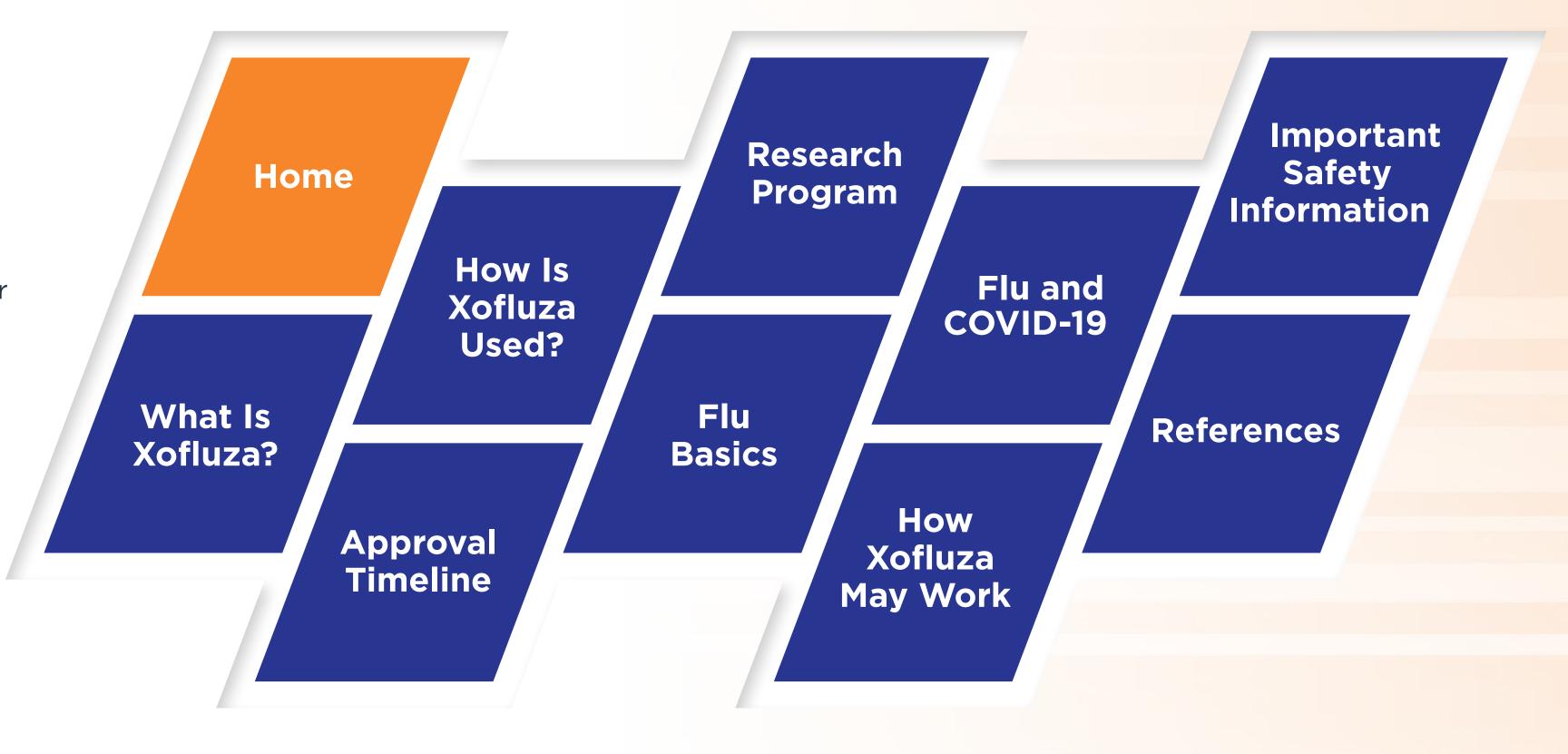
the science and address critical needs in flu

This informational resource was developed as a reference guide for media only.

This resource details the clinical research program that has helped establish and expand the indications for Xofluza® (baloxavir marboxil), an FDA-approved antiviral medicine for use against influenza (flu). Use the tabs on the side of each page, and the links inside the text, for quick and easy access to information on Xofluza and the flu.

#### **Media Inquiries:**

(650) 467-6800





Xofluza is approved by the U.S. Food and Drug Administration (FDA) as a single-dose, oral treatment for the flu (influenza) in people 12 years of age and older who have had flu symptoms for no more than 48 hours and who are otherwise healthy or at high risk of developing flu-related complications. It is also approved for post-exposure prophylaxis of flu in patients 12 years of age and older following contact with an individual who has the flu.<sup>1</sup>

#### **Key Phase III Study Results**

#### **CAPSTONE-1**

54 PLACEBO Hours

Xofluza significantly reduced the duration of flu symptoms compared to placebo (median time 54 hours versus 80 hours; p<0.001) in patients aged 12 years and older. Similar efficacy results were seen between Xofluza and oseltamivir in relation to duration of symptoms (median time 54 hours versus 54 hours).<sup>1,2</sup>

#### **CAPSTONE-2**

73 PLACEBO
Hours

Xofluza significantly reduced the time to improvement of flu symptoms versus placebo in people age 12 years and older at high risk of complications from flu (median time 73 hours versus 102 hours; p<0.001).<sup>1,10</sup>

#### **BLOCKSTONE**

XOFLUZA
PLACEBO
196
1596
Infected by
household member

Xofluza showed a significant prophylactic effect compared with placebo in people aged 12 years and older following exposure to an infected household member. The proportion of household members who developed flu was 1% in participants treated with Xofluza and 13% in the placebotreated group, demonstrating a 90% reduction in risk.<sup>1,11</sup>



The most frequently reported adverse events in adult and adolescent subjects with acute uncomplicated influenza receiving Xofluza were diarrhea (3%), bronchitis (3%), nausea (2%), sinusitis (2%), and headache (1%).

The most frequently reported adverse event (≥5%) in subjects receiving Xofluza for post-exposure prophylaxis of influenza was nasopharyngitis (6%).<sup>1</sup>

\*The relationship between antiviral activity in cell culture and clinical response to treatment in humans has not been established.



First and Only antiviral medicine indicated specifically for patients at high risk of developing serious complications from the flu<sup>1,3-6</sup>

First single-dose antiviral medicine approved to help prevent flu in people who have been exposed to an individual who has the flu (known as post-exposure prophylaxis)<sup>1,4-6</sup>

**First** FDA-approved medicine with a novel proposed mechanism of action to treat the flu in more than 20 years 1,4-6

First antiviral medicine designed to inhibit the cap-dependent endonuclease protein within the flu virus, preventing the formation of new viral particles by blocking viral replication early in the flu lifecycle 7,8

First-in-Class medicine with demonstrated antiviral activity against a wide range of flu viruses, including oseltamivir-resistant strains and avian strains (H7N9, H5N1) in non-clinical studies 1,9,\*

M-US-00007626 (v1.0)























Home

What Is Xofluza?

How Is Xofluza Used?

**Approval Timeline** 

Research Program

> Flu Basics

Flu and COVID-19

How Xofluza May Work

Important Safety Information



#### **Indications**

Xofluza is a prescription medicine used to treat influenza (flu) in people 12 years of age and older who have had flu symptoms for no more than 48 hours and are otherwise healthy or at high risk of developing flu-related complications [see box at right]. It is also approved for post-exposure prophylaxis of flu in patients 12 years of age and older following contact with an individual who has the flu.1

Xofluza is contraindicated in patients with a history of hypersensitivity to baloxavir marboxil or any of its ingredients.1

**The Centers for Disease Control** and Prevention (CDC) defines people at high risk of serious flu complications as including those who have conditions such as asthma, chronic lung disease, diabetes, heart disease, and morbid obesity or adults 65 years of age or older. Access a full list at the web link above.<sup>3</sup>

### Dosing<sup>1</sup>



Tablets: 20 mg and 40 mg

Body Weight (kg)	Recommended Oral Dose
<176 lbs (80 kg)	Two 20-mg tablets taken at the same time for a total single dose of 40 mg

Based on results from clinical trials, ONLY ONE DOSE of Xofluza is needed to demonstrate benefit.

M-US-00007626 (v1.0)









≥176 lbs (80 kg)















Two 40-mg tablets taken at the same time for a total dose of 80 mg



Home

What Is Xofluza?

How Is Xofluza Used?

**Approval Timeline** 

Research **Program** 

> Flu **Basics**

Flu and COVID-19

How Xofluza **May Work** 

**Important** Safety **Information** 

#### October 2018

#### First New FDA-**Approved Flu Medicine** in Nearly 20 Years

FDA approves Xofluza for the treatment of acute uncomplicated flu in people 12 years of age and older who are otherwise healthy and have been symptomatic for no more than 48 hours.<sup>2,13</sup>

#### **January 2019**

#### **Available in Pharmacies Nationwide**

Xofluza becomes available for patients across the U.S. for the first time.

#### October 2019

#### **Approved for High-Risk Individuals**

FDA expands the use of Xofluza to include people 12 years of age and older who have been symptomatic for no more than 48 hours and who are at high risk of developing flu-related complications. 10,14

#### **November 2020**

#### **Approved to Help Prevent Flu in Exposed Individuals**

Xofluza is approved as a treatment to help prevent flu in people 12 years of age and older who have been exposed to flu (known as postexposure prophylaxis).<sup>1,11</sup>

2020 2018 2019

M-US-00007626 (v1.0)



























Home

What Is Xofluza?

> How Is Xofluza Used?

**Approval** Timeline

Research **Program** 

> Flu **Basics**

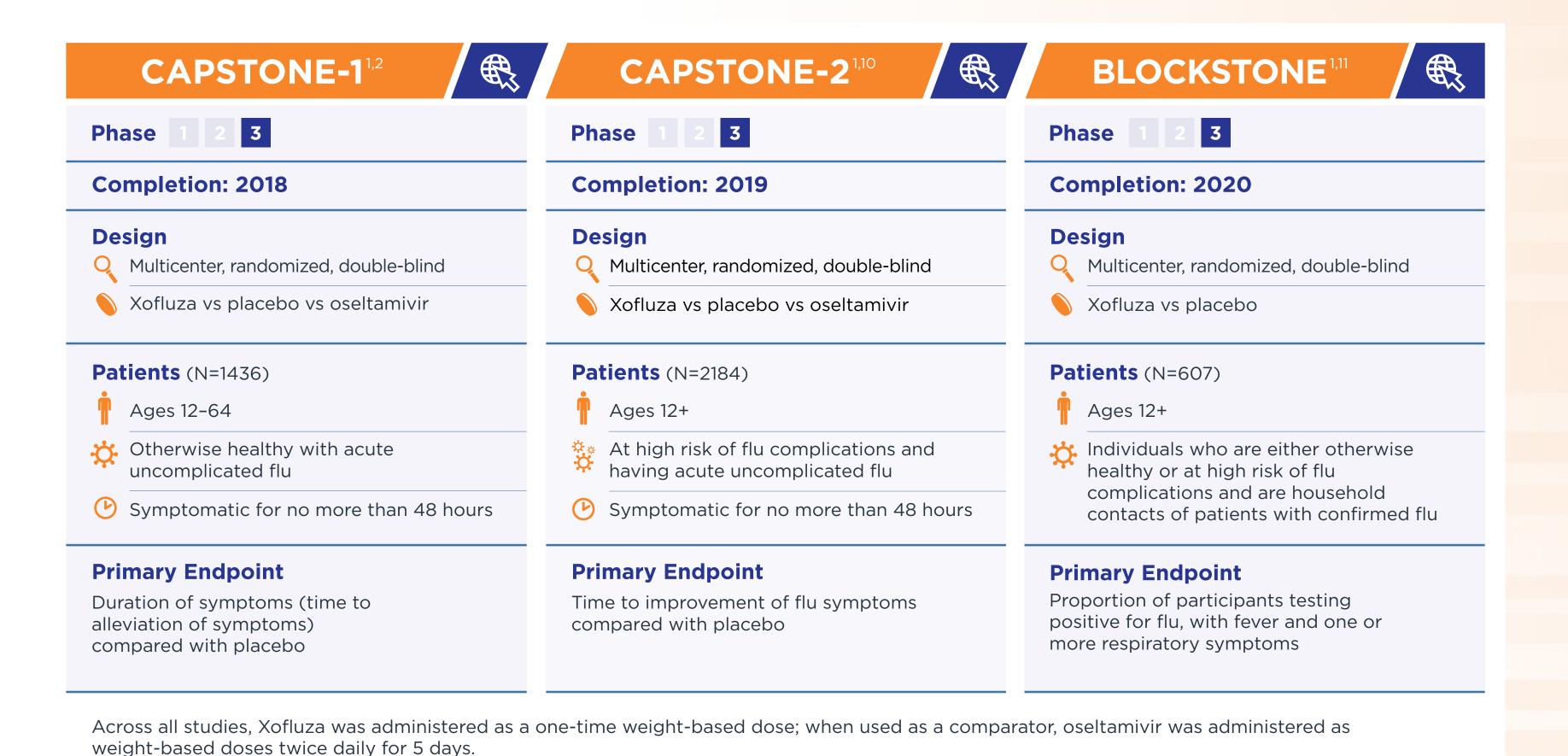
Flu and COVID-19

How Xofluza **May Work** 

**Important** Safety **Information** 



## Robust Clinical Evidence Demonstrates the Benefit of Xofluza in Different Populations and Treatment Settings



M-US-00007626 (v1.0)





























Home

What Is Xofluza?

How Is Xofluza Used?

**Approval Timeline** 

Research Program

> Flu Basics

Flu and COVID-19

How Xofluza May Work

Important Safety Information



#### **About Flu**

Flu is a highly contagious illness caused by flu viruses that infect the nose, throat and sometimes the lungs. While flu viruses can be detected year-round in the U.S., they are most common during the fall and winter, with activity increasing in October and peaking between December and February. Some people are at higher risk for serious flu complications, including those who have conditions such as asthma, chronic lung disease, diabetes, heart disease and morbid obesity, and adults 65 years of age or older. For these people, contracting the flu puts them at higher risk of hospitalization or even death. 3,15,18

#### Flu Prevalence In The U.S.

Each year, up to 45 million people will be affected by the flu. Since 2010, the Centers for Disease Control and Prevention (CDC) estimates that the flu has resulted annually in 16,17







12K-61K **Deaths** 

M-US-00007626 (v1.0)

























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Home

What Is Xofluza?

How Is **Xofluza** Used?

**Approval Timeline** 

Research **Program** 

> Flu **Basics**

Flu and COVID-19

How Xofluza **May Work** 

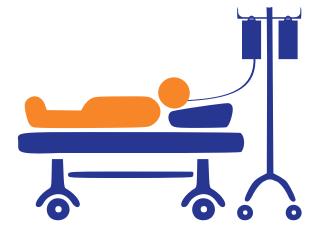
**Important** Safety **Information** 



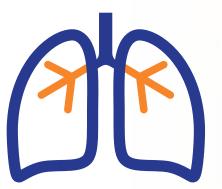
# Flu Prevention and Treatment During the COVID-19 Pandemic

The combination of a flu season and the global COVID-19 pandemic presents new challenges and unknowns. In addition to the added urgency for people to get a flu vaccine, FDA-approved antiviral treatments are available for those who contract the flu.<sup>1,4-6,12,18</sup>

The CDC notes that flu and COVID-19 have overlapping signs and symptoms. During periods of community co-circulation of the two, the CDC cautions clinicians not to wait for the results of flu testing or SARS-CoV-2 testing before starting empiric antiviral treatment for flu in the following priority groups:<sup>12</sup>



Hospitalized patients with respiratory illness\*



Outpatients with severe, complicated or progressive respiratory illness\*



Outpatients at higher risk for flu complications who present with any acute respiratory illness symptoms (with or without fever)

The CDC also noted that when influenza is known to be circulating in the community, clinicians can consider starting early (≤48 hours after illness onset) empiric antiviral treatment of non-high-risk outpatients with suspected flu based upon clinical judgment, including without an office visit. COVID-19 and other potential causes of symptoms should also be considered.¹²

\*Xofluza is not indicated for these patient populations.

M-US-00007626 (v1.0)



























Home

What Is Xofluza?

How Is Xofluza Used?

**Approval Timeline** 

Research Program

> Flu Basics

Flu and COVID-19

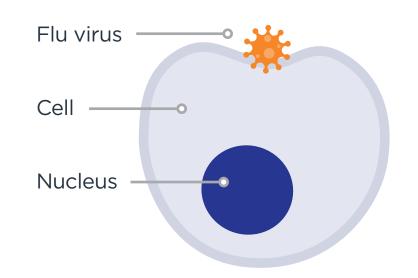
How Xofluza May Work

Important Safety Information

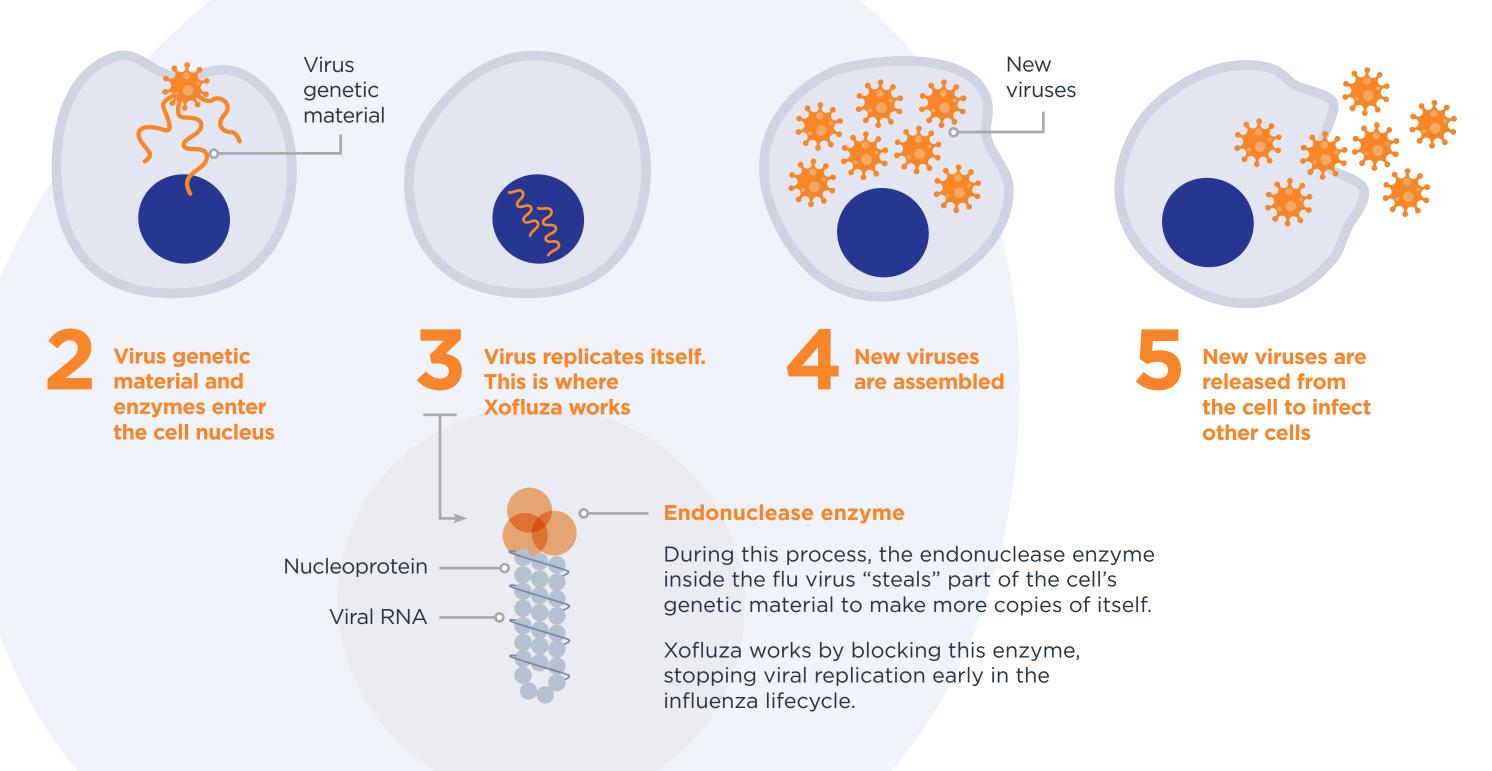
# How Xofluza May Work

Xofluza is a single-dose, oral antiviral medicine that blocks an enzyme within the flu virus, stopping viral replication early in the flu lifecycle. 1,7-9

### The Five Stages of the Flu Virus Lifecycle



Flu virus enters the cell



M-US-00007626 (v1.0)



























Home

What Is Xofluza?

> How Is **Xofluza** Used?

**Approval Timeline** 

Research **Program** 

> Flu **Basics**

Flu and COVID-19

How Xofluza **May Work** 

**Important** Safety **Information** 

# Important Safety Information<sup>1</sup>

#### **Xofluza U.S. Indication**

XOFLUZA is a prescription medicine used to:

- Treat the flu (influenza) in people 12 years of age and older who have had flu symptoms for no more than 48 hours.
- Prevent the flu in people 12 years of age and older following contact with a person who has the flu.

It is not known if XOFLUZA is safe and effective in children less than 12 years of age.

#### **Important Safety Information**

Do not take XOFLUZA if you are allergic to baloxavir marboxil or any of the ingredients in XOFLUZA.

- Tell your healthcare provider about all of your medical conditions, including if you are:
- Pregnant or plan to become pregnant. It is not known if XOFLUZA can harm your unborn baby.
- Breastfeeding or plan to breastfeed. It is not known if XOFLUZA passes into your breast milk.
- Tell your healthcare provider about all of the medicines you take, including prescription and over-the-counter medicines, antacids, laxatives, vitamins, and herbal supplements.

Serious side effects may include

- Allergic reaction. Get emergency medical help right away if you develop any of the following signs or symptoms of an allergic reaction:
- trouble breathing
- skin rash, hives or blisters
- swelling of your face, throat or mouth
- dizziness or lightheadedness

The most common side effects of XOFLUZA in clinical studies were diarrhea, bronchitis, nausea, sinusitis, and headache. These are not all the possible side effects of XOFLUZA. Call your healthcare provider for medical advice about side effects.

XOFLUZA is not effective in treating or preventing infections other than influenza. Other kinds of infections can have symptoms like those of the flu or occur along with flu and may need different kinds of treatment. XOFLUZA does not prevent bacterial infections that may happen with the flu. Tell your healthcare provider if you feel worse or develop new symptoms during or after treatment with XOFLUZA or if your flu symptoms do not start to get better.

You are encouraged to report side effects to Genentech by calling 1-888-835-2555 or to the FDA by visiting www.fda.gov/medwatch or calling 1-800-FDA-1088.

Please see full Prescribing Information, including Patient Product Information.

M-US-00007626 (v1.0)





























Home

What Is Xofluza?

> How Is **Xofluza** Used?

**Approval Timeline** 

Research **Program** 

> Flu **Basics**

Flu and COVID-19

How Xofluza **May Work** 

**Important** Safety **Information** 

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M-US-00007626 (v1.0)





































Home

What Is Xofluza?

How Is **Xofluza** Used?

**Approval Timeline** 

Research **Program** 

> Flu **Basics**

Flu and COVID-19

How Xofluza **May Work** 

**Important** Safety **Information**