

Availability of Live Attenuated Influenza Vaccine for Self- or Caregiver-Administration at Home: Description of the Patient Journey

Monisha Prakash,¹ Ami Patel,² Allyn Bandell¹

¹US Medical Affairs, AstraZeneca, Wilmington, DE, USA;

²Hub Operations, ASPN Pharmacies, LLC, NJ, USA

Introduction

- Influenza vaccination is the most effective way to prevent severe disease caused by influenza infection;^{1,2} however, in the United States (US), influenza vaccination coverage in adults and children remains below target levels.³
 - In addition, disparities in coverage by race and ethnicity persist in the US. These disparities have worsened among people living in rural areas compared with those living in suburban or urban areas.⁴
- Live attenuated influenza vaccine (LAIV, FLUMIST®) is a needle-free influenza vaccine given as a nasal spray,⁵ and was recently approved by the US Food and Drug Administration for self- or caregiver- administration.⁶
- Here, we describe the LAIV self-administration ordering process via a computer or smartphone-optimized website.

Conclusions

- The digital LAIV patient journey resembles other medical-related online processes, and is similar to registration for an in-person immunization appointment at a pharmacy.
- The convenience and flexibility of LAIV self- or caregiver-administration may be optimal for some individuals and families and improves influenza vaccine access in the US.

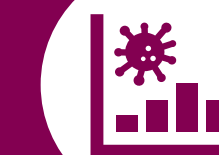
*E-poster



Copies of this poster obtained through the QR code or link are for personal use only and may not be reproduced without permission.

Presented at the National Adult and Influenza Immunization Summit Meeting 2025 | May 13–15, 2025 | Atlanta, GA, USA

LAIV Patient Journey: Ordering, Shipping, and At-Home Administration



1 Finding out & learning more about FLUMIST

FLUMIST AstraZeneca website
Includes educational resources & support⁷



FLUMIST ordering website
ASPN pharmacy website that supports FLUMIST home service

Adult enters their information to initiate order.

2 Ordering through ASPN pharmacies, LLC^a

Adult completes an online medical screening questionnaire to **determine eligibility** consistent with ACIP guidance.

These questions are representative of the medical questionnaire.

^aThe online pharmacy for self- or caregiver-administered FLUMIST.

3 Confirming eligibility

HCP reviews the medical questionnaire, **confirms eligibility**, and generates and fills prescription^b per state-specific pharmacy regulations.

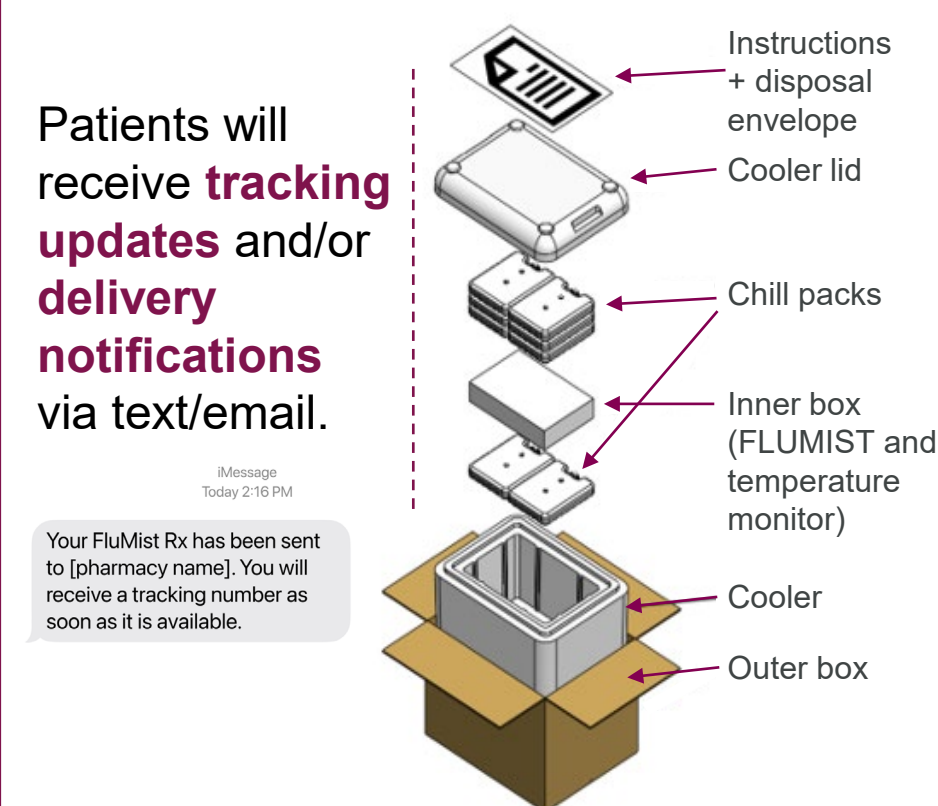
- Commercial or TRICARE insurance for the 2025/26 season**
Only private/TRICARE health insurance
- Age⁸ 2–49 years**
- Medical eligibility ACIP guidance**

- Pharmacist is available** via chat or toll-free number for questions
- Eligibility determined** per Immunize.org LAIV screening tool.⁸

^bBased on patient shipping address.

4 Shipping & delivery

Shipped under **strict cold chain logistics** using validated packaging and delivery methods which were part of the FDA approval.



FLUMIST is delivered on the date selected by the patient.
No signature is required.

5 Handling & administration

Instructions for home **storage & administration** are provided via text and in shipping box

FLUMIST vaccine information statement is provided online, via email, and in shipping box

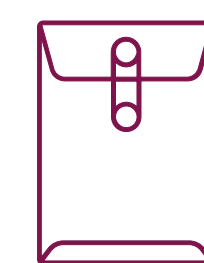
Additional resources:

- QR code** for “How to administer FLUMIST” video
- Online and toll-free number** for pharmacist support

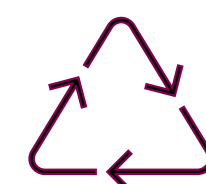
Text messages are sent for adult to **confirm administration**.

Record your Flumist dose by clicking here [URL] and download your vaccination record.

6 Disposal of FLUMIST sprayer & packaging



The used FLUMIST sprayer is considered medical waste. To dispose of appropriately, a **prepaid and pre-labeled envelope is provided in the shipment. All used FLUMIST sprayers can be placed into the mailbox.**



Packing materials can be **reused, recycled or disposed** per local and federal guidelines

Reporting vaccination status through immunization information systems (IIS)^c



Adult



Confirms administration through online pharmacy website



Reporting service



Registries



Centers for Disease Control and Prevention dashboard

Documentation is available to patients and their health care providers.^d

^cIn compliance with state requirements for consent and data components.

^dIf contact information provided.

Please note that the images of the processes shown above are examples of what the processes will look like and may change.

Acknowledgments

Medical writing support was provided by India Wright, MSc, and editorial support was provided by Isabella Cannava, BA, both of Core (a division of Prime, London, UK), and supported by AstraZeneca according to Good Publication Practice guidelines.

Disclosures

M.P and A.B are employees of, and stockholders in, AstraZeneca. A.P is an employee of ASPN Pharmacies, LLC.

References

- World Health Organization. Available at: <https://www.who.int/europe/news-room/fact-sheets/item/influenza-vaccination-coverage-and-effectiveness> [Accessed April 02, 2025].
- Centers for Disease Control and Prevention. Available at: <https://www.cdc.gov/flu/prevention/index.html> [Accessed April 02, 2025].
- U.S. Department of Health and Human Services. Available at: <https://odphp.health.gov/healthypeople/objectives-and-data/browse-objectives/vaccination/increase-proportion-people-who-get-flu-vaccine-every-year-09> [Accessed April 02, 2025].
- Centers for Disease Control and Prevention. Available at: https://www.cdc.gov/flu/whats-new/2023-2024-flu-coverage-update.html?CDC_AAref_Val=https://www.cdc.gov/flu/spotlights/2023-2024-flu-coverage-update.htm [Accessed April 02, 2025].
- U.S. Food and Drug Administration. Available at: <https://www.fda.gov/news-events/press-announcements/fda-approves-nasal-spray-influenza-vaccine-self-or-caregiver-administration> [Accessed April 02, 2025].
- U.S. Food and Drug Administration. Available at: <https://www.fda.gov/news-events/press-announcements/fda-approves-nasal-spray-influenza-vaccine-self-or-caregiver-administration> [Accessed April 02, 2025].
- FluMist®. Available at: <https://www.flumist.com/> [Accessed April 02, 2025].
- Immunize.org. Available at: https://www.immunize.org/wp-content/uploads/catg_d/p4067.pdf [Accessed April 02, 2025].
- Centers for Disease Control and Prevention. Available at: https://www.cdc.gov/iis/about/index.html#cdc_data_surveillance [Accessed April 02, 2025].
- Centers for Disease Control and Prevention. Available at: <https://www.cdc.gov/flu/avaxview/dashboard/vaccine-administration-coverage-jurisdiction-iis.html> [Accessed April 02, 2025].

ACIP = Advisory Committee on Immunization Practices.