Phillips Medisize
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ARIA™ SMART AUTOINJECTOR

The Aria Smart Autoinjector from Phillips Medisize is a reusable, compact, simple-to-use and connectivity-enabled injection device designed to combine the ease of use of a disposable autoinjector with advanced smart technology. It features a reusable electromechanical handset paired with single-use, disposable cassettes, providing a flexible and patient-friendly delivery platform.

Intelligent, reusable drive unit with optimized connectivity

- Consistent injection with gentle stopper engagement and continuous force control throughout the injection process
- Powerful motor to drive controlled injection of low- and high-viscosity liquid drugs (1–200 cps*)
- Reusable drive unit paired with PFS housing + needle safety in a compact cassette, minimizing waste and saving on storage space. This provides up to 70% less CO_2e impact compared with disposable autoinjectors.**
- Full dose delivery in 10 seconds (adjustable)
- Simple sleeve-triggered/push-action operation
- Visual and audible user interface
- Rechargeable with 3-year service life (every other day for 3 years)

Single-use disposable cassette

1 ml and 2.25 ml prefilled syringes (glass or COP) with RNS

Standard subcutaneous delivery

Needle safety before/after injection

Up to 70% less CO_2e impact than disposable autoinjectors

Large inspection window

Optional RFID

This product has not obtained a CE marking applicable to the health, safety and environmental regulations of the European Union, and has not been reviewed or cleared for use by the U.S. Food and Drug Administration or comparable health regulatory authorities in other jurisdictions.

*Based on 1 ml delivery in 10 s injection time with 27 g ½" needle

**LCA conducted concerning ISO 14044 Environmental Management: Lifecycle Assessment, including independent assessment of outputs and conformance to standards guidelines.

USER PREFERENCE STUDY[1]

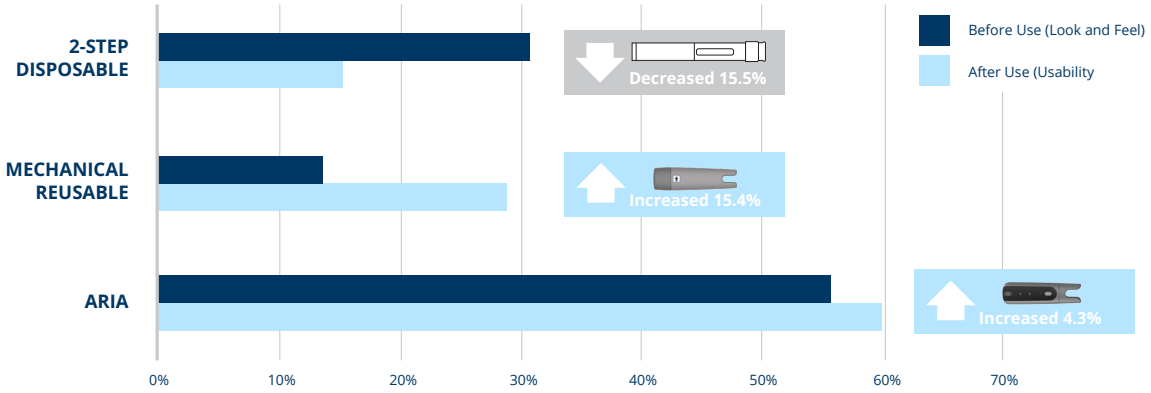
Study Design

- 52 total participants – 18 adults, 18 adolescents, 16 health care providers
- All participants were based in the USA – Tempe, AZ, Hudson, WI, Boston, MA
- A three-way direct comparison study between Aria, a mechanical reusable and a disposable device
- Efforts were taken to reduce unconscious bias

Hypothesis

The current industry sentiment suggests that the additional user steps required by a reusable autoinjector are seen as unacceptable, or (at a minimum) significant enough that a user would be negatively biased if they had to use a reusable autoinjector over a single-use option.

FIRST PLACE PREFERENCE RANKING BEFORE AND AFTER USE (All participants)



Key Study Takeaways

Most Preferred Device

Aria was most preferred both before and after the injection simulation with each device. This preference was primarily driven by high-quality and technical appearance, continuous feedback during injection, and reduced environmental impact.

User Preference for Reusability

Despite involving more operational steps, 60% of users preferred the Aria device over a simplified two-step disposable, also appreciating the environmental benefits and added features. Overall 86% of participants selected one of the reusable device options as their first preference.

Multisensory Feedback Enhances Confidence

Users specifically preferred Aria with visual, auditory (e.g., LEDs, sounds) and tactile feedback, contributing to a sense of correct injection completion and reducing anxiety.

Environmental Impact is Important

Particularly for injection-experienced users and adolescents, the environmental benefit of reusable devices was ranked highly and influenced preferences. While ease of use was ranked the most important factor, this was not directly linked to fewer steps.

To learn more about our drug delivery platforms, visit **phillipsmedisize.com.**

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1. Data on file with Phillips Medisize. Autoinjector Preference Study, February 2025.