

Novel Drug Delivery Device Design

Optimized to a one size fits design meeting full market potential

Challenge

Convert a proof-of-concept breath-powered nasal delivery device into a commercial-ready design to quickly deliver qualified units for clinical testing.

Approach

- Conduct research on the facial anatomies and sizing at a nominal cost prior to design lock to ensure the product met market needs.
- Transfer design to manufacturing.

Result

- Optimized the design for flexibility to meet the need of nearly 95%+ of patients from ~50%.
- 90% of patients express satisfaction with the device; 94% can use it without difficulty and 87% would recommend it to a friend (much higher than the current standard of care).
- Avoided costly design iterations post launch with early research and validation.

