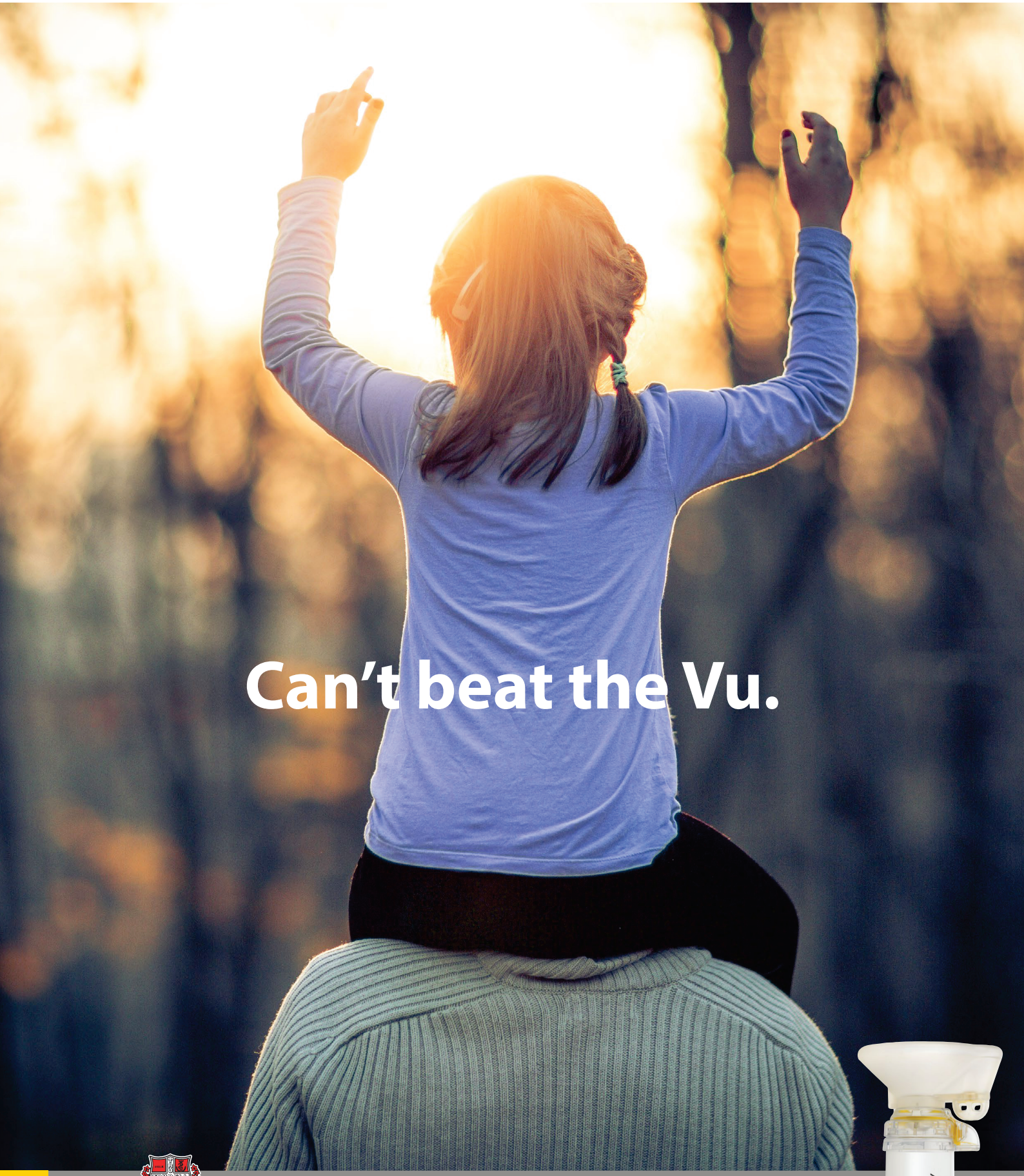


Trudell Medical International®

AeroChamber Plus Flow-Vu®

Anti-Static Valved Holding Chamber





Sarah can't enjoy the view when she is struggling to breathe.

- Globally it is estimated that ***334 million people around the world*** have asthma[1]
- A recent European survey found that ***50% of patients with asthma*** were not well controlled[2]
- Approximately ***250,000 people die prematurely each year*** from asthma and almost all of these deaths are avoidable[3]

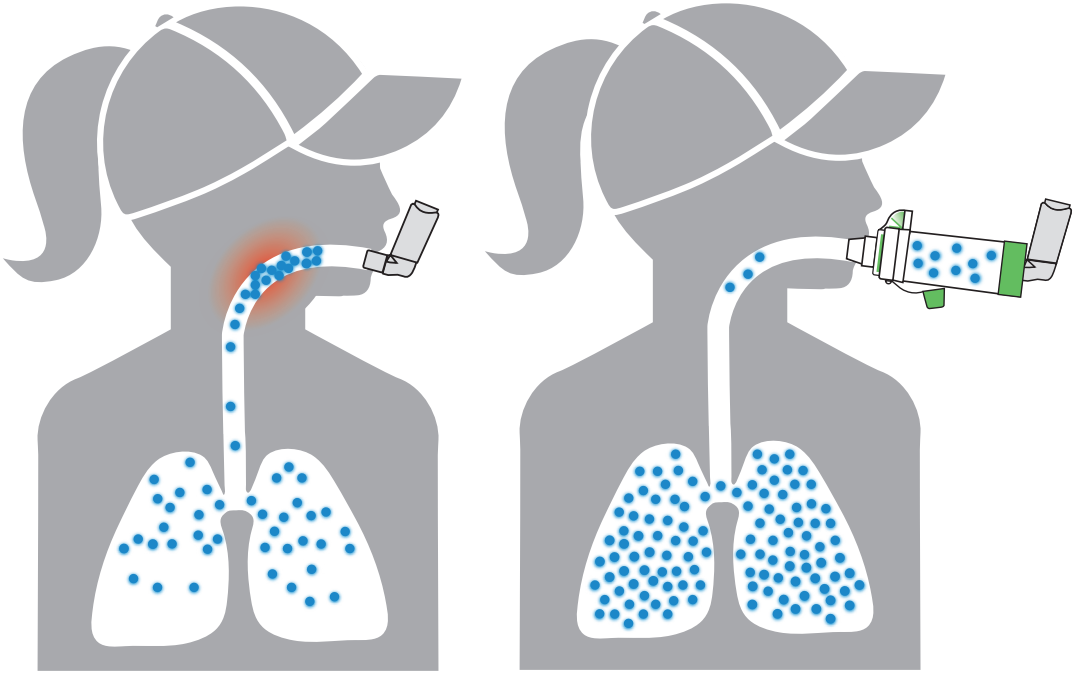
For respiratory patients, getting the most from life means getting the most from their inhaler medication.

1 The Global Asthma Report 2014, Global Asthma Network. **2** Demoly P *et al*. Prevalence of asthma control among adults in France, Germany, Italy, Spain and the UK. Eur Respi Rev, 2009. **3** World Health Organization. Global surveillance, prevention and control of chronic respiratory diseases: a comprehensive approach, 2007.



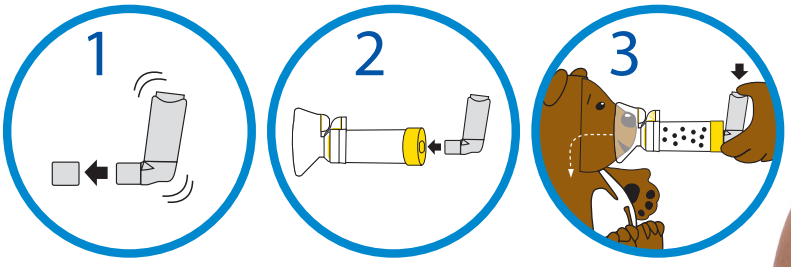
RECOMMENDED IN GUIDELINES

Global respiratory guidelines recommend the use of Valved Holding Chambers, to improve Metered Dose Inhaler (MDI) drug delivery[4]



People use a valved holding chamber with their MDI have better control[5]

- Patients simply need to actuate the inhaler and breathe in the medication
- For use with all MDI's





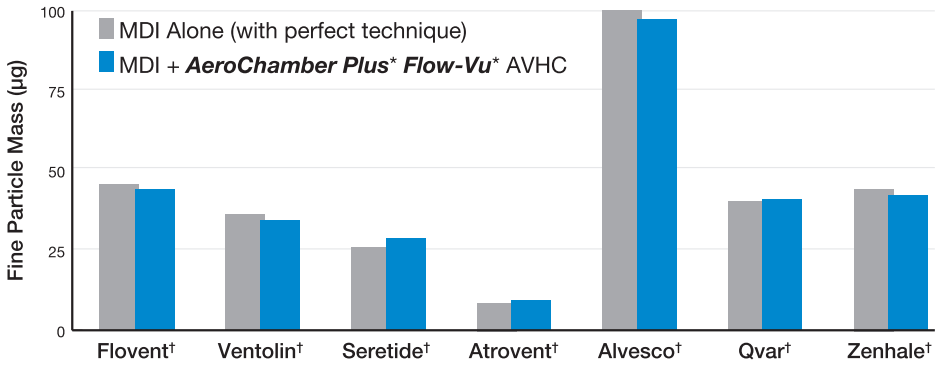
AVHC = Anti-static valved holding chambers

4 GINA - *Global Strategy for Asthma Management and Prevention*, 2017. 5 Levy ML *et al* Asthma patient's inability to use a pressurized metered-dose inhaler (pMDI) correctly correlates with poor asthma control as defined by the Global Initiative for Asthma (GINA) strategy: a retrospective analysis. Prim Care Respir J. 2013; Dec;22(4):406-11

Improves Adherence versus MDI alone

TARGETED MEDICATION DELIVERY

AeroChamber Plus **Flow-Vu**** AVHC delivers the intended dose[6]

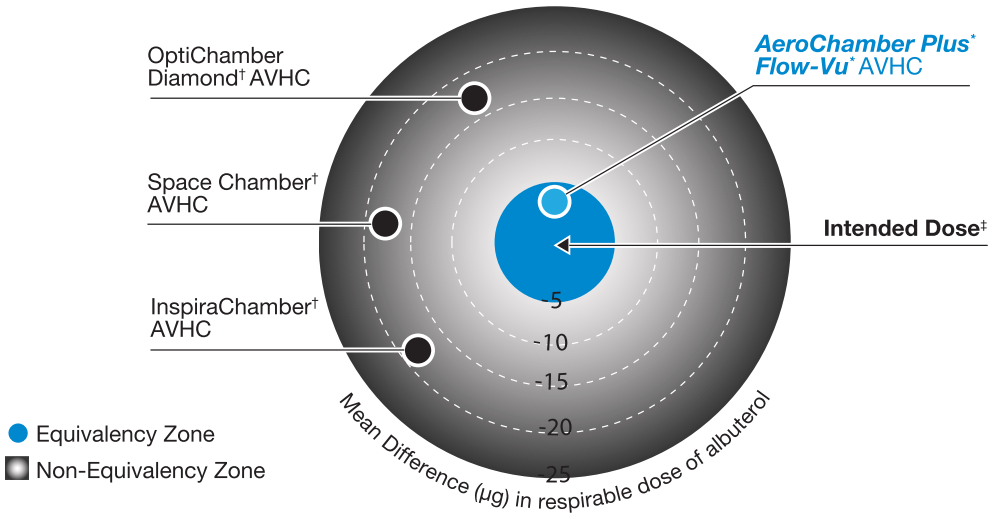


- 9 out of 10 adults don't use their MDI properly[7]
- Use of ***AeroChamber Plus*** **Flow-Vu**** AVHC helps deliver the intended dose
- Prescribing instructions do not need to be modified

Validated Safety and Efficacy

- Safety and efficacy of the ***AeroChamber Plus**** brand of chambers has been validated in numerous third party clinical evaluations with different patient populations[8]
- The most recommended brand of chamber by leading MDI pharmaceutical companies

Many chambers claim to be equivalent to ***AeroChamber Plus**** brand of chamber but they are not[9]



Different chambers deliver different amounts of medication[10,11]

‡ ***AeroChamber Plus**** VHC. Chambers prepared as per IFU.

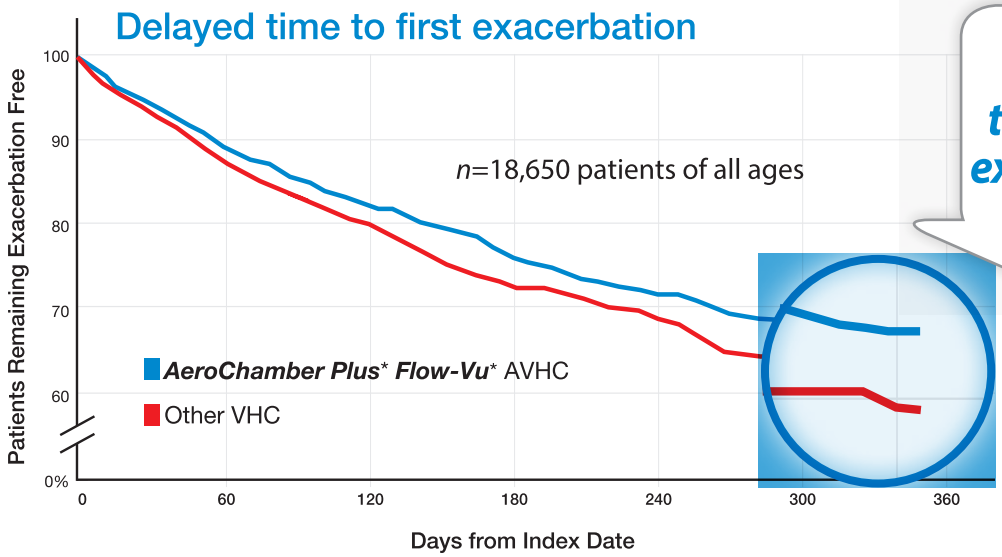
6 Harkness H *et al*. Valved Holding Chambers are non-interchangeable: Development of a Universal VHC that provides assurance of drug delivery to patients and health care providers. Presented at Canadian Respiratory Conference, 2012. **7** Plaza V *et al*. Medical personnel and patient skill in the use of metered dose inhalers: a multicentric study. Respiration 1998;65:195-8. **8** Study Summary: ***AeroChamber**** Brand of VHC, May 2016. **9** Nagel *et al*. Equivalency evaluation of valved holding chambers with albuterol pressurized metered dose inhaler. Respiratory Drug Delivery Europe 2017. **10** Medicines and Healthcare Products Regulatory Agency (MHRA). Drug safety update – inhaled products that contain corticosteroids, July 2008. **11** Global initiative for asthma (GINA) guidelines, 2017; Global strategy for asthma management and prevention.

Delivers the Intended Dose

IMPROVED CLINICAL OUTCOMES

Real world evidence shows improved clinical outcomes with ***AeroChamber Plus* Flow-Vu*** AVHC[12]

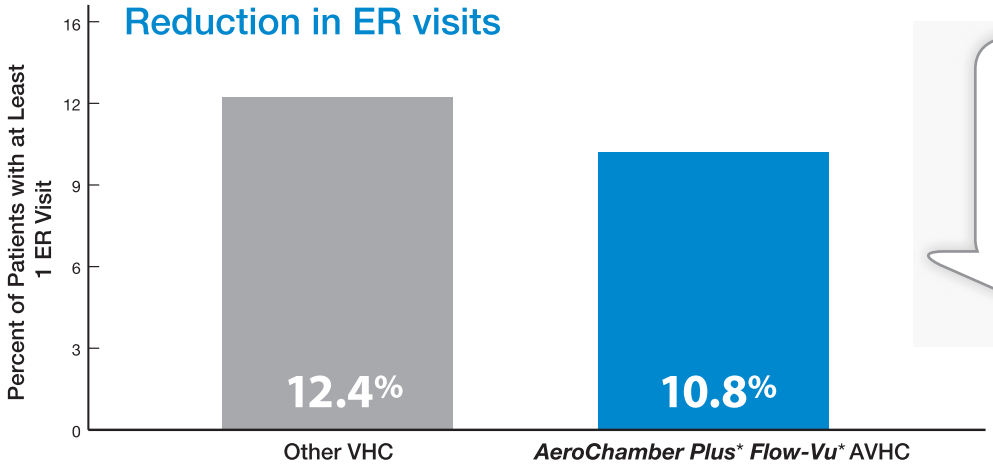
Delayed time to first exacerbation



Delayed time to first exacerbation

p=0.0005

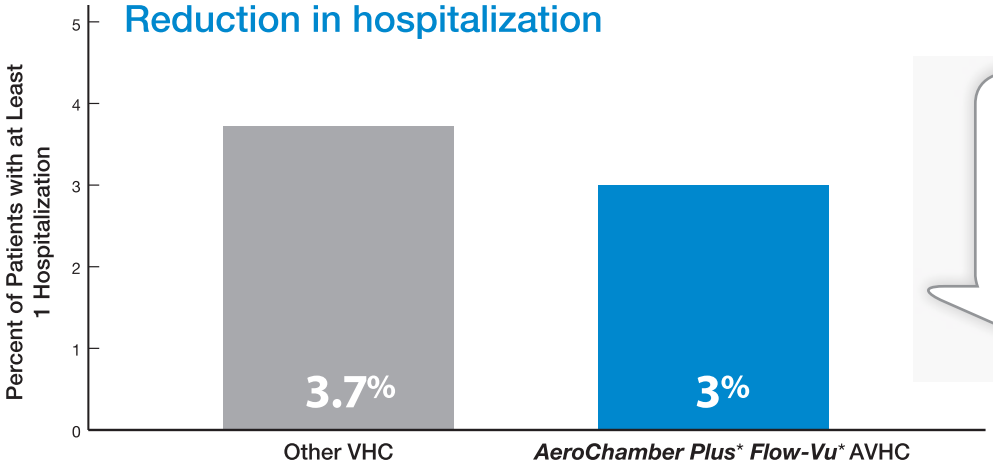
Reduction in ER visits



13% reduction

p=0.0167

Reduction in hospitalization



19% reduction

p=0.0702

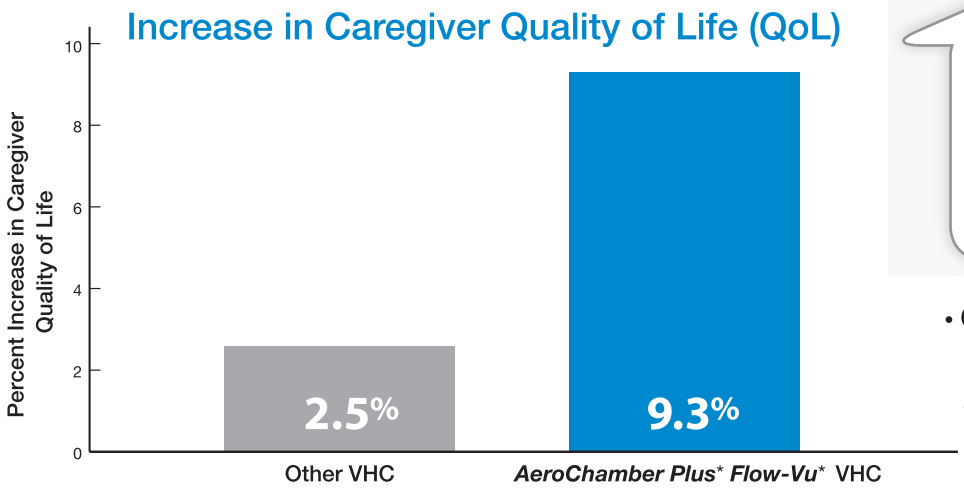
AVHC = Anti-static valved holding chambers

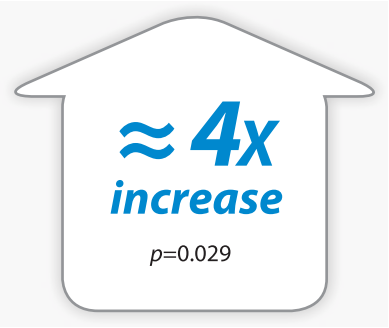
12 Burudpakdee *et al*. A retrospective study of the Effectiveness of ***AeroChamber Plus* Flow-Vu*** Antistatic Valved Holding Chamber for Asthma Control. Pulmonary Therapy, 2017.

Improved Asthma Control

VISUAL ASSURANCE

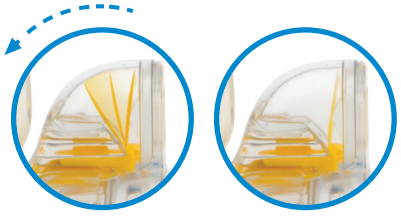
In Vivo studies show use of a chamber with the***Flow-Vu**** Inhalation Indicator was associated with quality of life improvements and strong device preference[13,14]





- QoL scores were greater in the ***AeroChamber Plus**** ***Flow-Vu**** VHC group

The ***only*** chamber with a dedicated inhalation indicator

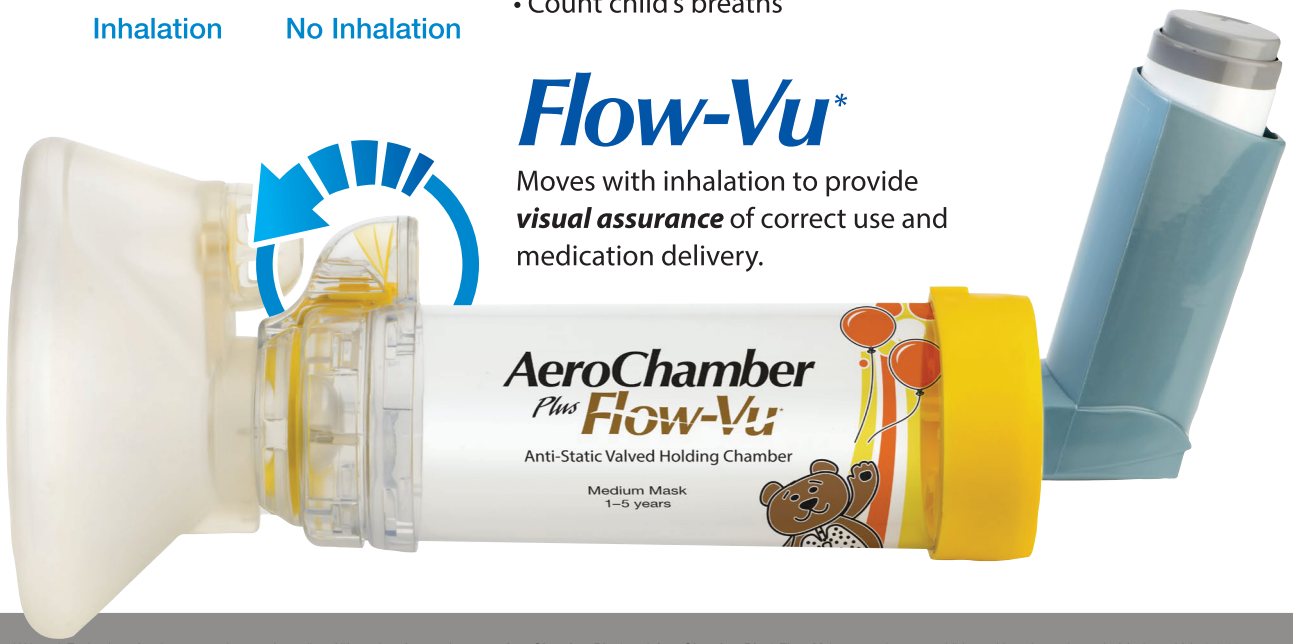


The ***Flow-Vu**** Inhalation Indicator is a valuable feedback tool that allows caregivers to:

- Ensure a proper facemask seal
- Coordinate actuation of MDI with inhalation
- Count child's breaths

Flow-Vu*

Moves with inhalation to provide ***visual assurance*** of correct use and medication delivery.



13 Ammari W *et al.* Evaluation of asthma control, parent's quality of life and preference between ***AeroChamber Plus**** and ***AeroChamber Plus**** ***Flow-Vu**** spacers in young children with asthma. Journal of Asthma, Vol 52;3,2015.
14 Baig M *et al.* ***Flow-Vu**** Indicator in valved holding chamber for pediatric asthma. American Academy of Pediatrics National Conference 2013.

Improved Quality of Life

Prescribe *AeroChamber Plus® Flow-Vu®* AVHC
— *Specify No Substitutions* —

9 out of **10**
MDI Patients don't use their inhalers correctly.

Guidelines recommend

AeroChamber Plus Flow-Vu
Anti-Static Valved Holding Chamber

- Delivers the intended dose
- Safety and efficacy validated
- Flow-Vu® = QoL
- Visual assurance
- Improves clinical outcomes
- Other chambers are not equivalent





AeroChamber Plus Flow-Vu
Anti-Static Valved Holding Chamber

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REPLACE 12 MONTHS

Designed and Developed in Canada

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