



## NEWS from Trudell Medical International\*

www.trudellmed.com



### STUDY SHOWS HOSPITAL ER TREATMENT TIMES CAN BE REDUCED BY UP TO 90%<sup>1</sup>

In 2005, the *British Guidelines on Asthma Management* recommended the use of pressurized Metered Dose Inhalers (pMDIs) + spacer in place of current nebulizer treatments for patients presenting with non-life-threatening asthma.<sup>2</sup> A number of studies have shown that the use of pMDI + spacer produce outcomes at least equivalent to nebulizer therapy, and suggest a trend toward fewer side effects and less time in the emergency department.<sup>3</sup>

In preparing to monitor the implementation of a new pMDI + spacer hospital protocol, researchers discovered that 94% of emergency departments were still using nebulizer treatments for the majority of their adult patients. In an effort to improve efficiency in emergency departments, a time and motion study was conducted by observing nurses administering bronchodilators – first with nebulizers, then with pMDI + spacer.

Based on a number of criteria, the **AeroChamber Plus\*** Valved Holding Chamber (VHC) was selected as the chamber of choice for the conversion. The small volume **AeroChamber Plus\*** VHC is easy to use with all commonly prescribed pMDIs.

The results of the time and motion study showed treatment and set-up times were almost 90% lower with the pMDI + **AeroChamber Plus\*** VHC than with the nebulizer. In addition, over the course of 20 treatments the pMDI + **AeroChamber Plus\*** VHC was 70% less expensive than the nebulizer.

Using the **AeroChamber Plus\*** VHC instead of a nebulizer in a hospital department can result in reduced treatment and set-up times and significantly lower costs. Additional features like the **Flow-Vu\*** Indicator allows healthcare professionals or caregivers to confirm a good seal and count the number of inhalations that have taken place, thereby optimizing the therapeutic dose.

**AeroChamber Plus\*** VHCs are anatomically designed to meet the needs of every patient population – from pediatrics to the elderly. The devices are easy to use and provide caregivers with peace of mind that medication has been delivered effectively. For more information about **AeroChamber\*** Brand of VHC and other innovative new products, please visit our website.

<sup>1</sup> Mason N, Roberts N, Yard N, Partridge MR. Nebulisers or spacers for the administration of bronchodilators to those with asthma attending emergency departments?. *Respiratory Medicine* (2008); 102: 993 – 998. <sup>2</sup> British Thoracic Society, Scottish Intercollegiate Guidelines Network. *British guideline on the management of asthma – a national clinical guideline*. British Thoracic Society, 2005. <sup>3</sup> Cates CJ, Crilly JA, Rowe BH. Holding Chambers vs. Nebulizers for Beta-Agonist Treatment of Acute Asthma. (Cochrane Review). *Cochrane Database Syst Rev* 2002;2:CD000052.

\* Trade marks and registered trade marks of Trudell Medical International © Trudell Medical International 2008. All rights reserved. MD-835A-1008

# AeroChamber®