#### ASTHMA 🔳

# How Well Do Home and Clinic Measurements of Trough FEV<sub>1</sub> Agree in Patients With Uncontrolled Asthma?



## **STUDY DESIGN**

- **Post hoc analysis** from two randomized controlled trials of 2,857 patients with uncontrolled asthma
- Compared home and clinic spirometry via time-course analysis

#### a) b) FF 100 µg + UMEC 62.5 µg (N=139) FF 100 µg + placebo (N=143) 400 400 -350 350 · LS mean (95% CI) change from baseline in trough FEV, (mL) -S mean (95% CI) change from baseline in trough FEV, (mL) 300 300 -250 250 200 200 150 150 . 100 100 50 50 -50 -50 -100 -100-150 -150 5-8 9-12 13-16 17-20 21-24 Baseline 1-4 5-8 9-12 13-16 17-20 21-24 Baseline 1\_4 Visit period (Weeks) Visit period (Weeks) Clinic spirometry Home spirometry Clinic spirometry Home spirometry

There was **poor agreement** between home and clinic trough FEV<sub>1</sub> at baseline and week 24

In this post hoc analysis, home spirometry was less consistent than and lacked agreement with clinic spirometry, suggesting that unsupervised home readings may not be interchangeable with clinic measurements.

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### RESULTS