Patients ages 5 to 17 years with asthma exacerbations, $n = 1,060^*$

Presented during non-enrollment hours and not screened for enrollment, $n = 807$

Presented during enrollment hours and eligible for study, $n = 253$

Declined enrollment, $n = 4$

Consented for study, $n = 249$

Excluded: pneumonia, $n = 18^+$

Excluded: duplicate enrollment, $n = 12^+$

Subjects included in analysis, $n = 219$

Baseline testing, $n = 219$

PEP‡ $n = 214$
FEV1§ $n = 148$
Ω|$ n = 150
N = 67
AM Use‖ $n = 219$
PEP‡ $n = 136$
FEV1§ $n = 100$
Ω|$ n = 93
N = 44
AM Use‖ $n = 138$
PEP‡ $n = 57$
FEV1§ $n = 46$
Ω|$ n = 39
N = 19
AM Use‖ $n = 57$

2 hour testing, $n = 138$

4 hour testing, $n = 58$