

## Supplemental Materials

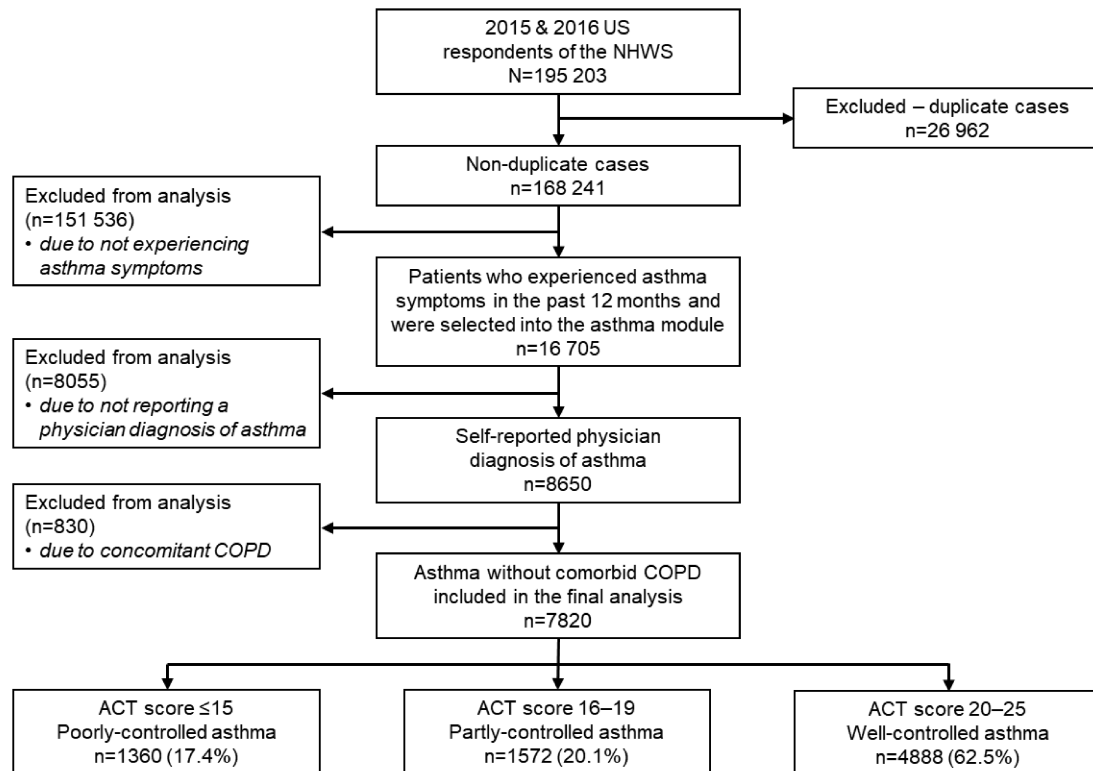
**Supplemental Table S1.** Adjusted mean SF-36 scores by ACT score in patients with asthma

	Mean (standard error)		
	ACT score 20–25 (n=4888)	ACT score 16–19 (n=1572)	ACT score ≤15 (n=1360)
<b>SF-36v2 MCS</b>	46.08 (0.16)	42.61* (0.28)	39.99* (0.30)
SF-36v2 Vitality	47.03 (0.14)	44.26* (0.24)	43.22* (0.26)
SF-36v2 Social functioning	46.87 (0.15)	42.78* (0.26)	39.03* (0.28)
SF-36v2 Role-emotional	47.23 (0.16)	42.86* (0.29)	39.23* (0.31)
SF-36v2 Mental health	46.64 (0.15)	43.45* (0.27)	41.00* (0.29)
<b>SF-36v2 PCS</b>	49.41 (0.12)	45.91* (0.21)	43.30* (0.23)
SF-36v2 Physical functioning	49.67 (0.13)	46.25* (0.22)	43.30* (0.24)
SF-36v2 Role-physical	48.86 (0.14)	44.62* (0.24)	41.23* (0.26)
SF-36v2 Bodily Pain	47.92 (0.13)	44.14* (0.23)	41.40* (0.25)
SF-36v2 General Health	47.57 (0.14)	44.18* (0.24)	42.02* (0.26)

\*P<0.001; P-values represent significance of the regression coefficient in the regression model with patients with well-controlled asthma (ACT score 20–25) as the reference group. Covariates included age, sex, Charlson Comorbidity Index, race/ethnicity, income, body mass index, smoking status, exercise, insurance type, and years diagnosed with asthma.

ACT, Asthma control test; MCS, mental component score; PCS, physical component score; SF-36v2, Short Form Health Survey-36 version 2.

Supplemental Figure S1. Flow diagram of data analysis



Notes: Among all US NHWS respondents, individuals with self-reported, physician-diagnosed asthma not reporting COPD were identified data set for analysis). This group was subdivided into respondents with poorly-controlled, partly-controlled and well-controlled asthma. Duplicate cases indicate that respondent data were available in both 2015 and 2016 survey years.

ACT, asthma control test; COPD, chronic obstructive pulmonary disorder; NHWS, National Health and Wellness Survey; US, United States.