Up to 50% of patients with severe asthma are uncontrolled despite current treatment1\*

~15–20% of US patients with severe asthma are currently ineligible for a biologic<sup>2</sup>



Increased asthma severity is associated with more frequent exacerbations<sup>3-6</sup> and worse asthma control (eq ACQ)3,4

More frequent use<sup>4,6</sup> and higher

dose of oral corticosteroids8

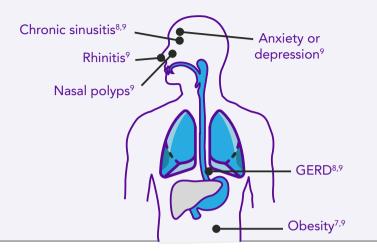
with increasing asthma severity





7.1% severe asthma versus 4.5% without asthma

## High comorbidity burden<sup>6-9‡</sup>



Severe asthma

still causes substantial clinical and economic burden, despite treatment

**Higher healthcare costs** 

(medical resource use and pharmacy costs; 2012–2013 data)<sup>6§</sup>

1.86x higher

\$20,536

Severe asthma

\$11,070

Non-severe asthma



Increased exposure to systemic corticosteroids is associated with increased risk of complications<sup>10</sup>







1.96x higher Hospitalisation costs

\*In this systematic literature review, uncontrolled asthma was defined as inadequate control despite the use of medium- to high-dose ICS and at least one additional treatment, such as a LABA. Criteria for defining asthma control varied among studies included in the review

\*Case-control study using medical claims database in France. Patients with severe asthma (treated with omalizumab and/or medium- or high-dose ICS and a LABA) were compared with matched controls (no asthma). Percentages relate to 3-year cumulative mortality rate (p=0.007). \*Compared with persisten asthma, patients without asthma, mild-to-moderate asthma or severe controlled asthma. \*severe controll (ie all health plan and patient paid amounts for all medical resource use and pharmacy claims) in USD for 2013. Overall cost and cost subtypes were significantly different between the two patient groups (p<0.001 for each comparison). ACQ, Asthma Control Questionnaire; GERD, gastro-oesophageal reflux disease; ICS, inhaled corticosteroid(s); LABA, long-acting beta-agonist; USD, US dollars







