

# Severe Asthma

In the UK, **over 8 million people**, or approximately **12% of the population**, have been **diagnosed with asthma**.<sup>1</sup>

Someone with '**severe asthma**' has a **specific type of asthma** which is **difficult to control** with optimised inhaled therapy.<sup>2</sup>

**Severe asthma** is a **complex condition** and **may be driven by different inflammatory pathways**.<sup>3</sup>

**8%** of asthma patients in primary care **potentially have severe asthma**<sup>4</sup>



## IMPORTANCE OF IDENTIFYING PATIENTS IN PRIMARY CARE

Patients with severe forms of asthma face substantial burden of illness, marked reductions in quality of life, and require a significant amount of health resource.<sup>5</sup>

Primary Care clinicians can play an important role in identifying patients **that potentially have severe asthma** as it can be a life-threatening and debilitating condition that requires expert input to confirm the diagnosis and appropriate management.<sup>5</sup>

## SPECTRA: Identification of SusPECTed severe Asthma in Adults

SPECTRA primary care clinical system resources have been developed to help identify adults with potential severe asthma, optimise treatment and, where required, refer them to severe asthma centres.



# SPECTRA GP Clinical System Resources

AstraZeneca have worked in collaboration with the **Accelerated Access Collaborative** for input into the development of **SPECTRA**.

Searches  
& Alerts\*

Referral  
Extract  
Template

Impact  
Reporting

\* EMIS, SystmOne & Vision

Patients with:

- Serious exacerbations<sup>6</sup>
- 2 or more issues of systemic corticosteroids<sup>6</sup>
- 6 or more reliever inhalers in the last 12 months<sup>7,8</sup>
- Poor symptom control<sup>6</sup>

A referral extract template to facilitate the automatic collection of data and medication as part of the referral process

Practice level and local health economy dashboards.

Downloadable baseline and follow-up PDF reports (if required) to measure continual review and impact of the service

## Accessing SPECTRA

To access clinical system resources and reporting for your Healthcare Organisation register on **www.suspected-severe-asthma.co.uk**



**support@suspected-severe-asthma.co.uk**



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## References

1. NICE 2021. Asthma: What is the prevalence of asthma?  
Available from: <https://cks.nice.org.uk/topics/asthma/background-information/prevalence> [Last Accessed: November 2021]
2. Asthma UK 2020. What is severe asthma?  
Available from: <https://www.asthma.org.uk/advice/severe-asthma/what-is-severe-asthma> [Last Accessed: November 2021]
3. Rogliani P, Calzetta L, Matera MG, et al. Severe Asthma and Biological Therapy: When, Which, and for Whom. *Pulm Ther.* 2020;6(1):47-66.  
Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7229123> [Last Accessed: November 2021]
4. Ryan et al. Potential Severe Asthma Hidden in UK Primary Care. *J Allergy Clin Immunol Pract* 2021; 9: 1612-1623.  
Available from: <https://www.sciencedirect.com/science/article/pii/S2213219820313271> [Last Accessed: November 2021]
5. Haughney et al. Global Quality Standard for Identification and Management of Severe Asthma. *Adv Ther* 2020. 37(9):3645-3659
6. Chung et al. International ERS/ATS guidelines on definition, evaluation and treatment of severe asthma. *Eur Respir J* 2014; 43: 343-373  
Available from: <https://erj.ersjournals.com/content/43/2/343> [Last Accessed: November 2021]
7. Bloom, C.I., Cabrera, C., Arnetorp, S, et al. Asthma-Related Health Outcomes Associated with Short-Acting Beta-2 Agonist Inhaler Use: An Observational UK Study as Part of the SABINA Global Program. *Adv Ther* 37 2020, 4190-4208.  
Available from: <https://doi.org/10.1007/s12325-020-01444-5> [Last Accessed: November 2021]
8. Crowther L, Pearson M, Faruqi S, Xu Y, Morris T, Crooks M. "The Sentinel Project: experience-based co-design of an implementation-ready intervention to improve adult asthma care in primary care". 10th IPCRG World Conference, May 2021