

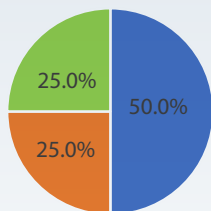
Does Routine Bronchoscopy Help to Phenotype Patients With Severe Uncontrolled Asthma Potentially Eligible for Biologic Therapy?

STUDY DESIGN

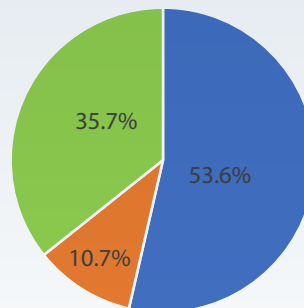
- **Prospective study** of **100** patients with **severe uncontrolled asthma** being evaluated for biologic therapy
- Patients were **clinically phenotyped**, and **clusters identified** from the characteristics collected

RESULTS

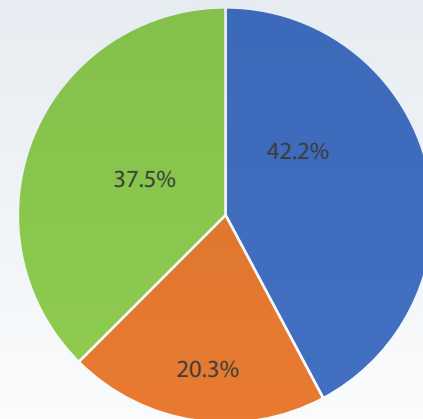
Non-T2 Phenotype
(n=8)



T2-Allergic Phenotype
(n=28)



T2-Eosinophilic Phenotype
(n=64)



Clusters

- Nonspecific
- Upper Airway Disease
- Infection

Routine bronchoscopy in patients with severe uncontrolled asthma eligible for biologic therapy can help to better phenotype and personalize asthma management.