



American Academy of
Allergy Asthma & Immunology

Education Needs and Practice Gaps 2025

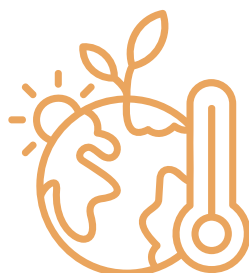
Priority Clinical Topics

(Identified in at least one data source)



Priority Non-Clinical Topics

(Identified in two+ data sources)



Office of Medical Education Committee Members



Members of the Office of Medical Education Needs Assessment Workgroup reviewed a variety of resources to identify the highest priority knowledge and practice gaps among the Academy's members to guide the development of educational activities that will result in improved practice and optimal patient care. The data sources included:

- Evaluation responses from learners who participated in the 2025 AAAAI / WAO Joint Congress
- Questions submitted by healthcare providers to the AAAAI's "Ask the Expert" in 2024
- Current AAAAI educational activities
- ABAI CAP program diplomate scores
- AAAAI Strategic Plan 2025-2028

The list below includes the knowledge and practice gaps that were most frequently identified through analysis of data sources by highest need to lowest. It is not intended to be an exhaustive list, and those planning education activities are encouraged to use other resources to supplement these suggestions.



Priority Clinical Topics

Topic	Knowledge and Practice Gaps	Data Sources
1. Food Allergy	<ul style="list-style-type: none"> • Food immunotherapy (OIT, EPIT, SLIT) options, protocols and outcomes • Food Challenges • Alpha-gal Syndrome • Omalizumab for food allergy • Diagnosis and management of FPIES 	High need in Joint Congress survey, Ask the Expert & CAP results
2. Allergens, Allergy Testing and Allergy Therapeutics, including Biologics	<ul style="list-style-type: none"> • Practical considerations for the use of biologics in allergic diseases (options, patient choice, costs, logistics, follow-up, adverse reactions) • Component Testing (food, environmental, venom) 	High need in Joint Congress survey, Ask the Expert & CAP results
3. Asthma	<ul style="list-style-type: none"> • Practical considerations for use of biologics in the treatment of asthma and COPD (options, safety, patient choice, costs) 	High need in Joint Congress survey & CAP results
4. Drug / Insect / Vaccine Allergy	<ul style="list-style-type: none"> • Diagnosis and testing of non-penicillin drug allergy, including skin testing and challenge protocols • De-labeling of penicillin and other drug allergies • Venom allergy testing and treatment • Drug allergy practice parameter update 	High needs in Joint Congress survey, Ask the Expert & CAP results. No current education.
5. Allergic Skin Disease	<ul style="list-style-type: none"> • Mimickers of atopic skin diseases • Patch testing • Practice Parameters in atopic dermatitis, including biologics & JAK inhibitors 	Some need in Joint Congress survey & CAP results. One mention in Ask the Expert. Limited education.

6. Anaphylaxis, Urticaria & Angioedema	<ul style="list-style-type: none"> • Diagnosis and treatment of urticaria, particularly chronic spontaneous and chronic inducible • Diagnosis and treatment of angioedema, especially chronic and hereditary 	Some need in Joint Congress survey & CAP results. Existing education.
7. Mast Cells and Eosinophilic Disorders	<ul style="list-style-type: none"> • Diagnosis and testing of mast cell diseases, including mast cell activation syndrome (MCAS) and HaT • Diagnosis and testing of EGID and hypereosinophilia • Therapeutic advances in mast cell disorders and eosinophilic disorders 	Some need in Joint Congress survey. Low need in Ask the Expert and CAP results. Limited education.
8. Immunodeficiency / Immunology	<ul style="list-style-type: none"> • Approach to diagnosis of immunodeficiency, including genetic testing • Treatment and long-term management of immunodeficiency • Vaccination in biological therapy and PID diagnosis • Secondary immunodeficiency 	Low need in Joint Congress survey
9. Allergens, Allergy Testing and Allergy Therapeutics, including Biologics	<ul style="list-style-type: none"> • Best practices in allergy skin testing and allergy serum testing • Using rush allergen desensitization effectively and safely • Hormonal allergic reactions (progesterone sensitivity) 	Low need in Joint Congress survey
10. Autoimmune & Autoinflammatory Disorders	<ul style="list-style-type: none"> • Diagnosis and treatment of autoimmune and autoinflammatory disorders 	Low need in Joint Congress survey
11. Rhinosinusitis and Ocular Allergy	<ul style="list-style-type: none"> • Allergic Rhinitis • Immunotherapy • Biologics in nasal polyp treatment • Role of aspirin desensitization 	Low need in Joint Congress survey





Priority Non-Clinical Topics

Topic	Knowledge and Practice Gaps	Data Sources
1. Artificial Intelligence	<ul style="list-style-type: none">• Implementation across multiple areas; clinical practice, education, practice management	High need in Joint Congress survey and Strategic Plan.
2. Practice Management	<ul style="list-style-type: none">• Revenue generation, staffing, coding, implementing OIT in clinical practice	High need in Joint Congress survey and presidential initiatives.
3. Social Determinants of Health (SDOH)	<ul style="list-style-type: none">• Screening and addressing SDOH• Improving care in areas with limited resources• Providing equity in care• Increasing underrepresented or rural groups	High need in Joint Congress survey, Ask the Expert and presidential initiatives.
4. Climate Change	<ul style="list-style-type: none">• Impact of climate change and pollutants on allergic disease	Some need in Ask the Expert and presidential initiatives.





Office of Medical Education 2025

****Needs Assessment Workgroup Member / Report Co-Author**

Rebecca Scherzer, MD FAAAAI- <i>Chair</i>	Jordana Goldman, MD	Thanai Pongdee, MD FAAAAI**
Edwin Kim, MD FAAAAI - Vice-Chair	Jesus Guajardo, MD FAAAAI	Matthew Rank, MD FAAAAI
Gerald Lee, MD FAAAAI** - Immediate Past Chair	Alice Hoyt, MD FAAAAI	Caroline Sokol, MD PhD FAAAAI
Leonard Bacharier, MD FAAAAI	Shyam Joshi, MD FAAAAI**	Katherine Tuttle, MD
Priya Bansal, MD FAAAAI**	Paneez Khoury, MD MHSc FAAAAI	
Asriani M. Chiu, MD FAAAAI	Brenna LaBere, MD**	
Rohit Divekar, MBBS PhD**	Stephanie Albin Leeds, MD FAAAAI	
Mary Beth Fasano, MD MSPH FAAAAI	Wanda Phipatanakul, MD MS FAAAAI	
Maureen George, PhD RN AE-C	Lily Pien, MD MHPE FAAAAI**	