

Norton Neuroscience Institute Memory Center

Understanding Your APOE Results

Having 1 or 2 copies of a specific allele, ApoE e4, is a risk factor for Alzheimer's disease (AD) and amyloid-related imaging abnormalities (ARIA). Anti-amyloid therapies, such as lecanemab and donanemab, can cause ARIA. ARIA-E is swelling of the brain and ARIA-H is bleeding of the brain. ARIA usually appears early in treatment and is usually asymptomatic (no symptoms). Serious and life-threatening events rarely occur but are a possibility. ARIA can occur spontaneously in patients with Alzheimer's disease.

The information listed below provides your specific risk profile for ARIA with lecanemab and donanemab. Please keep this for your records to use as a reference for your APOE status and overall risk of ARIA. If you have any questions or concerns about your results, please call our office to schedule a follow-up appointment with your provider.

Overall risk for ARIA (brain swelling and/or brain bleeding)

	E4 copies	No Symptoms	Symptomatic
Lecanemab	0	5.4%	1.4%
	1	10.9%	1.7%
	2	32.6%	9.2%
Donanemab	0	25%	4%
	1	36%	7%
	2	55%	8%

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