

The Massachusetts Department of Public Health (MDPH; MDHJU0045-18) with its partners UMASS-Lowell and the Lowell Community Health Center (LCHC) are using the ROAAD-X study to test a scaled down version of the ROAAD pilot to assess whether improved asthma outcomes in older adults can be achieved.

ROAAD-X will:

1. Evaluate a home-based environmental and asthma education intervention to reduce asthma triggers by improving indoor air quality in the homes of older adults with asthma
2. Evaluate a home-based environmental and asthma education intervention to improve health outcomes, reduce health care utilization of older adults with asthma, and achieve a positive Return on Investment (ROI)
3. Validate the MDPH-developed Environmental Scoring system (ESS) to quantify indoor environmental asthma triggers and the relationship between triggers in the home and asthma exacerbations, and the effectiveness of environmental trigger reduction to reduce exacerbations and symptoms.