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EVALUATE OUTCOMES OF TIOTROPIUM USE AT VA GREATER LOS ANGELES HEALTHCARE SYSTEM (B4), Michelle Choi, Kirby Lim, Wayman Lee. Veteran Affairs Greater Los Angeles Healthcare System, Los Angeles, CA (michelle.choi@va.gov) IRB approval received.

Chronic Obstructive Pulmonary Disease (COPD) is a progressive disease that is a major cause of poor quality of life. The Veteran Affairs has restricted the use of tiotropium, a once daily long acting anticholinergic agent, to COPD patients with uncontrolled symptoms and frequent exacerbations on short acting anticholinergic agents. A retrospective chart review of COPD patients at the Veteran Affairs Greater Los Angeles Healthcare System was performed to evaluate outcomes of tiotropium use. Patient outcomes were measured by comparison of the frequency of exacerbations and change in pulmonary function (FEV1/FVC, FEV1) pre and post tiotropium therapy. Incidence of cardiovascular events will also be examined with regards to recent reports of increased risk of cardiovascular events with use of inhaled anticholinergics. Results and conclusion will be presented.