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ATTAINMENT OF LDL CHOLESTEROL GOAL LESS THAN 70 MG/DL IN A HIGH RISK CORONARY HEART DISEASE POPULATION (B1), Morgan Youngblood, Amy Kauffman. Kaiser Permanente Colorado, Denver, CO (morgan.l.youngblood@kp.org) IRB approval received.

The objective of this study was to determine the medication regimens and patient characteristics required to attain a low-density lipoprotein cholesterol (LDL-c) goal less than 70 mg/dL in high-risk coronary heart disease (CHD) patients. This was a cross-sectional analysis evaluating the medications or combinations of medications required to attain a LDL-c level less than 70 mg/dL and patient predictors of goal attainment. Safety, tolerability, and adverse drug reactions associated with these medications will be evaluated. Included patients were actively enrolled in a pharmacy-managed cardiac risk service at Kaiser Permanente Colorado for at least one year prior to April 1, 2008 and obtained lipid-lowering therapies through Kaiser Permanente pharmacies. Patients with no LDL-c level on record within one year prior to April 1, 2008 were excluded. Queries of electronic medical records and validated patient registries were done. Demographic, cardiac history, LDL-c goal, laboratory, medical comorbidities, and medications data were collected. Descriptive statistics, t-tests, Pearson's chi-square test, and multivariate logistic regression will be used in data analysis. Final results will be presented.