Multimedia Appendix Figure 1. Study Design

Intake Period

1/1/2006 - 10/31/2014
Follow-up Period

12 months pre-index

12 months post-index

Patients in HIRD with ≥ 1 Day Eligibility = 36,597,670

Patients with ≥ 1 Claim for COPD, Asthma, or Both = 2,219,034

Cohort Specific Criteria
COPD N = 63,598
Asthma N = 744,884
ACO N = 33,245

General Inclusion & Exclusion Criteria

Claims-Positive COPD Cohort N = 17,156
Claims-Positive Asthma Cohort N = 145,906
Claims-Positive ACO Cohort N = 20,459

Replication

ACO Medical Record Review
Random sample: 5,000
Successful reviews N = 781

Confirmed COPD Cohort N = 106
Confirmed Asthma Cohort N = 206
Confirmed ACO Cohort N = 391
Unconfirmed (dropped from analysis) N = 78

Extension