

Supplemental Table 1. Questionnaire completed by physician and clinical coder for each condition of interest

1	List clinical term and ICD-9-CM algorithm.
2	In assessing the original ICD-9-CM algorithm for this comorbidity, what ICD-10-CM codes would you use to replace the ICD-9-CM codes?
3	Please indicate how commonly the ICD-10-CM codes proposed are used in practice.
4	Is there a specific healthcare setting (eg, inpatient only for an MI) that would help with strengthening the specificity of a code? We would like to reduce the likelihood of identifying a historical condition.
5	Is there a length of time in a particular healthcare setting (eg, three days in hospital for a stroke) that would help with strengthening specificity of a code? We would like to reduce the likelihood of identifying a rule-out diagnosis.
6	Are there any important subgroups (eg, pediatric vs adults) that need to be considered when identifying a clinical term?
7	Are there any drugs or devices that are specifically used to treat the clinical condition (eg, triptans for migraine, CPAP for sleep apnea) that should be included to improve the algorithm?
8	Are there any procedures that are specifically used to treat the clinical condition (eg, CABG for coronary artery disease) that should be included to improve the algorithm?
9	Are there any procedures that are specifically used to diagnose the clinical condition (eg, CABG for coronary artery disease) that should be included to improve the algorithm?
10	Using ICD-10-CM rather than ICD-9-CM codes (as well as any additional procedures/treatments if necessary), what is the most appropriate algorithm for identifying the clinical term as an outcome, drug-related outcome, comorbidity, or population of interest?

**Abbreviations:** CABG, coronary artery bypass graft; CPAP, continuous positive airway pressure; ICD-9-CM, International Classification of Diseases, Ninth Revision, Clinical Modification; ICD-10-CM, International Classification of Diseases, 10th Revision, Clinical Modification; MI, myocardial infarction.