

1.1 CASE IDENTIFICATION AND ASSESSMENT OF ADULTS WITH BIPOLAR DISORDER

Reference to included study:

Menzin J, Sussman M, Tafesse E, Duczakowski C, Neumann P, Friedman M. A model of the economic impact of a bipolar disorder screening program in primary care. *Journal of Clinical Psychiatry*. 2009;70:1230-06.

| Study ID Country Study type | Intervention details | Study population Study design Data sources | Costs: Description and values Outcomes: Description and values | Results: Cost-effectiveness | Comments |
|---|---|---|--|---|--|
| Menzin and colleagues (2009) US Cost-effectiveness analysis | <u>Interventions:</u> Screening with one-time administration of the Mood Disorder Questionnaire (MDQ) followed by referral to psychiatrists for people screened positive No screening | <u>Population:</u> Adults presenting for the first time with symptoms of major depressive disorder in primary care <u>Study design:</u> Decision analytic modelling <u>Source of effectiveness data:</u> Literature review and further assumptions <u>Source of costs (resource use data combined with unit costs):</u> Published literature | <u>Costs: Direct medical:</u> administration of MDQ by nurse and physician, referral to psychiatrists, inpatient care, outpatient care, medication <u>Cost per person:</u> <i>MDQ:</i> \$34,107 <i>No screening:</i> \$36,044 <u>Primary outcome:</u> Number of people correctly diagnosed with bipolar disorder or unipolar depression <u>Number of correctly diagnosed people (per 1000 people screened):</u> <i>MDQ:</i> 440 <i>No screening:</i> 402 | MDQ is dominant versus no screening <u>Probability of MDQ being cost-saving:</u> 76% Results robust under various alternative scenarios considering different prevalence of bipolar disorder, sensitivity/specificity, time horizon, treatment costs, and so on | <u>Perspective:</u> Third-party payer <u>Currency:</u> US\$ <u>Cost year:</u> 2006 <u>Time horizon:</u> 5 years <u>Discounting:</u> 3% annually <u>Applicability:</u> Partially applicable <u>Quality:</u> Potentially serious limitations |