Reviewer's report

Title: Epidemiology of dyslipidemia in Chinese adults: meta-analyses of the prevalence, awareness, treatment and control

Version: 1  Date: 24 April 2014

Reviewer: Gregory Roth

Reviewer's report:

Authors have performed a systematic review of cholesterol prevalence and treatment in China. Most papers found were in Chinese. They found 38 papers covering 380,000 individuals. They have good coverage across ages, sex, and subnational regions. They use standardized categories for diagnosis and appropriate statistical methods for meta-analysis. They find prevalence and awareness similar to other middle-income countries. Discussion and summary are appropriately restrained and do not make claims beyond the reported data.

This work provides an important contribution to the literature on prevalence of high cholesterol.

Major Compulsory Revisions
None

Minor Essential Revisions
1. The statement on page 3 "overproduction or deficiency of the cholesterol, which could cause more fats to block the blood vessels" is not an accurate description of lipoprotein metabolism or coronary artery disease. It may be appropriate for a non-clinical audience to adopt lay language in the introduction but the authors should revise this statement for increased accuracy.

2. On page 4 the term "hyperglyceridemia" should be changed to hypertriglyceridemia.

3. I recommend a careful review of multiple grammatical errors, of which there are several.

Discretionary Revisions
None

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.
Declaration of competing interests:

I declare that I have no competing interests