Reviewer's report

Title: Lab-based and Diagnosis-based Chronic Kidney Disease Recognition and Staging Concordance

Version: 0 Date: 08 Aug 2019

Reviewer: Huimei Chen

Reviewer's report:

Clarissa et al. studied a very interesting topic and showed that a significant under-diagnosis of CKD in Medicare FFS beneficiaries.

There are some points:

1. In the method, "due to lack of claims 1920 (n=2,774,553), lacked lab-based indicators of CKD (n=3,808,777) or were missing the urbanicity covariate 212223 (n=446). " Please clarify the detail of claims, lab-based indicators and urbanicity covariate.

2. If possible add the group without CKD, compare the outcome of with and without CKD, which will give more evidence of the under-diagnosis of CKD.

3. "clinical recognition of CKD from 2011 diagnosis codes" it is not very clear about it.

4. the result in table is difficult to follow. If possible, give some charts and survive cure.

Please confirm that you have included your review in the ‘Comments to Author’ box?

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- Are the statistical test(s) used in this study appropriate and well described?
- Is the exact sample size (n) reported for each experimental group/condition (as a number, not a range)?
- Are the description of any error bars and probability values appropriate?
- Are all error bars defined in the corresponding figure legends?
- Has a sample size calculation been included, or a description and rationale about how sample sizes were chosen?

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