

Jun 2<sup>nd</sup>, 2020

Dear editor and reviewers,

Thanks very much for your comments. We have carefully read and revised the manuscript according to your suggestions as following.

**Reviewer #1:**

1. Some minor language polishing have to be corrected.

**Response: Thanks for your comment. The language was reviewed and modified.**

2. Figures should be updated. Some Chinese words should be changed.

**Response: Thanks for your comment. Chinese words had been changed.**

3. Refereces should be checked, and the format have to be updated according to the journal's guideline.

**Response: Thank you for your suggestion. We have revised.**

**Reviewer #2:**

1. The title is too long, please short it.

**Response: Thank you for your suggestion. We have revised.**

2. The "1.General information" section should be part of the methods? Please check and revise.

**Response: Thanks for your comment. Patents' Social-demographic data and disease data was presented in this part, therefore, we considered the "1.General information" section shouldn't be part of the methods.**

3. Tables are good, however, the words are too small. Please edit them.

**Response: Thank you for your suggestion. We have revised.**

4. There are some Chinese words in the figures, please check and revise.

**Response: Thank you for your suggestion. We have revised.**

5. Some minor language polishing should be revised.

**Response: Thanks for your comment. The language was reviewed and modified.**

#### **Editorial Office's comments**

1. The "article highlight" section is missing, please add this section at the end of the main text.

**Response: Thank you for your suggestion. We have added this part.**

2. The “core tip” section is missing, please add this section in front of the main text.

**Response: Thank you for your suggestion. We have added this part.**

3. The authors did not provide the approved grant application form(s). Please upload the approved grant application form(s) or funding agency copy of any approval document(s);

**Response: Thank you for your suggestion. We have added this part.**

4. PMID and DOI numbers are missing in the reference list. Please provide the PubMed numbers and DOI citation numbers to the reference list and list all authors of the references. Please revise throughout.

**Response: Thank you for your suggestion. We have added this part.**