Reviewer's report

Title: Disease Associations Depend on Visit Type: Results from a Visit-Wide Association Study

Version: 0 Date: 26 Apr 2019

Reviewer: Tellen Bennett

Reviewer's report:

Overall, the impact of this manuscript seems quite limited. The authors seem to put forward that PheWAS studies would be more accurate if they included visit type, which seems sensible. The logical test would be the conduct an EHR-wide PheWAS with and without visit type. However, the study as conducted was limited to outpatient records, female patients, and two clinics. I don't find the results very compelling. Perhaps I'm missing something.

1) Introduction, line 50: It is not immediately clear that "high pain" in this case means that the patients experience pain often. Rephrasing would help the reader.

2) Results, line 18. The authors restricted to include only women, they did not stratify by gender.

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