Reviewer’s report

Title: Predicting Opioid Dependence from Electronic Health Records with Machine Learning

Version: 2 Date: 15 Jan 2019

Reviewer: CHELSEA CANAN

Reviewer's report:

1. Prior comments were only partially addressed. I'm still concerned that the authors chose the most important labs values, diagnoses, and procedures by ranking p-values. Lowest p-values do not necessarily indicate the most meaningful difference. The authors have removed some instances of ranking by p-value but not all (e.g. Tables 3-5 and their respective sections in the results).

2. The numbers in the tables do not need to be reported to so many significant digits. Consistent capitalization and avoiding abbreviations would also improve the tables.

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An article of importance in its field

Quality of written English
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Acceptable

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