Reviewer's report

Title: Diagnosing comorbidity in psychiatric hospital: challenging the validity of administrative registers

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Reviewer: Enrique Baca-Garcia

Reviewer's report:

Very pertinent and interesting paper. Authors pointed out the under diagnosis in case registers, specially in anxiety and substance abuse. However, the conclusion should be that register are appropriate for research in psychoses but not anxiety disorders.

Case register is a very useful tool for research in psychosis.

Authors acknowledge that comorbidity is an effect of over diagnosis by structured interviews and ambiguous diagnosis criteria.

Level of interest: An article of outstanding merit and interest in its field

Quality of written English: Acceptable

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