Reviewer’s report

Title: National cohort study of absolute risk and age-specific incidence of multiple adverse outcomes between adolescence and early middle age

Version: 3  Date: 4 August 2015

Reviewer: Cesare Maria Cornaggia

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The current form is in my opinion almost suitable for publication even if I still have few small queries.

In the discussion authors say that " Our figures from a national cohort followed from mid-adolescence to early middle age additionally showed that while females had a much higher rate of suicide attempt than males during the teenage years, the sex-specific incidence rates actually converged with increasing age and finally crossed over by mid-late 20s." Authors should comment these finding (supported by literature data). Maybe, since they take into consideration the first attempts only, all the repeated attempt are excluded. A clear risk factor for suicide attempt is a previous one, authors can speculate that probably, if the repaters were included, those differences should not be anymore.

In the survival curves (fig 2) the incidence in psychiatric disorders is higher in adolescence and young adulthood, while many psychiatric disorders like mood disorders have their onset in their thirties.

Please provide an explanation of this discrepancy in the discussion.