Reviewer's report

Title: Age, mode of conception, health service use and pregnancy health: A prospective, cohort study of Australian women

Version: 2 Date: 3 January 2013

Reviewer: Reija Klemetti

Reviewer's report:

Major compulsory corrections:
Results section:
1) report just the results and transfer the discussion to the discussion section (ref to private health insurance (26) and discussion about single embryo transfer practices in Australia)
2) report only results related to this paper (not those related to a previous one, mental health ref 17)
3) It would be clearer if the results of univariable and multivariable analyses (comparison of health service use by conception) were reported issue by issue and not by analysis method. For example now authors report first that “Significantly more ARTC women had pregnancy-related hospital admissions than SC women” (and readers would like to know whether there were differences by multiplicity) and much later “no longer significantly associate with pregnancy-related hospital admissions…” (as the reader was already thought) as well as “ARTC women reported having significantly more ultrasound scans than SC women” (maybe also due to the multiple pregnancy). I would say “In univariable analysis significantly more ARTC women had pregnancy-related hospital admissions than SC women. However, multivariable analyses showed that hospital admissions were mostly associated to twin pregnancy” etc. OR I would do univariable analysis by multiplicity and report results accordingly.

Discussion section:
1) The authors have prepared a structured discussion but the summary at the beginning of the discussion is missing.
2) Comparison of results with previous literature is still weak, for example no references in discussion of “Health service use in pregnancy” were used.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.
Declaration of competing interests:

'I declare that I have no competing interests'