Correspondence

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We note that, in a study by Howard et al., the population prevalence rate for a psychiatric diagnosis for women at their first antenatal appointment is 27%, a disturbing one in four women. In 1986 we used a similar two-stage methodology, the Leeds Anxiety and Depression Scales and the Clinical Interview Schedule, with women booking in at two general practice antenatal clinics in the same inner-city location. The point prevalence for a psychiatric diagnosis for women at their first antenatal booking is 23.5%. The period prevalence was 38%. One in three women had a psychiatric disorder during pregnancy.

The pregnant women recruited into Howard et al.’s study have a mean age of 32 years and could well be the offspring of the mothers whom we interviewed in 1986. Why are the point prevalence rates of psychiatric disorder exactly the same as they were 30 years ago? It is likely that one in three pregnant women still have a psychiatric disorder.

We have had two sets of National Institute for Health and Care Excellence guidelines (2007, 2014) for managing perinatal mental health, but Howard et al.’s evidence shows that we have not reduced the number of people with these disorders. We seem to be good at identifying mental ill health but what are we doing to prevent the next generation from experiencing these conditions?

My colleagues and I have interviewed the South London Child Development Study cohort of women and children at eight time points through pregnancy in 1986 and the following 26 years to 2012. We have shown that women’s mental health in pregnancy is a risk factor for psychiatric disorder in the offspring through childhood, adolescence and into young adulthood. The evidence from Howard et al.’s paper shows that we have not yet been able to stem the intergenerational transmission of psychiatric disorder. Screening without follow-up intervention does not help prevent later mental ill health or transmission to the next generation. Is it not time that we could and should intervene?

References


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Whooley questions miss ~80% of ‘cases’: are they therefore really ‘useful’?

One of Howard et al.’s conclusions in their paper is that their data confirm that the Whooley questions are a useful tool for case identification in early pregnancy (by midwives in routine clinical settings). This conclusion was principally based upon the obtained positive likelihood ratio in their study (5.8 for depression, anxiety and other related disorders) and high specificity (0.96), providing therefore a reasonable positive predictive value (0.66). Also, however, the authors explain that the Whooley questions had a low sensitivity of just 0.23. This means that they actually missed almost 80% of the women with these mental health disorders.

We feel that it is difficult to imagine a clinical service agreeing that an instrument that misses almost 80% of people with a condition could be considered ‘useful’, and is ‘a quick method for identifying that a mental disorder may be present’, despite the other receiver operating characteristic values reported for the questions.

We accept that the issue of what values, or combination of values, of a test’s various screening metrics (for example positive likelihood ratio, sensitivity, specificity, positive predictive value) are indicative of a ‘good or clinically useful performance’ can be difficult to decide, is open to debate and will vary depending upon context. And we appreciate that Howard et al. are clear in their reporting of their data, including the low sensitivity values and possible reasons for these, which they say include that the questions may not have been asked in a consistent and/or correct way by the midwives.

We would, however, question their main conclusions, these being that the obtained data ‘confirm... that (the Whooley questions) are a useful tool for case identification’ (p. 54) and that ‘(the two-item Whooley questions) can (therefore) be asked routinely by midwives when women attend for their routine antenatal booking appointment’ (p. 55). Rather, we would suggest that a different conclusion may be more appropriate, given their findings, this being along the lines of: screening positive on the Whooley questions, while being indicative of a reasonable likelihood of a woman having a mental health difficulty, needs to be tempered by the fact that most of the women with such disorders were not in identifying depression and other mental disorders in early pregnancy. Br J Psychiatry 2018; 212: 50–6.

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