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Appendix 3: Supplementary figures A and B [posted as supplied by author]
Figure A ROC curves at 28 weeks gestation for prediction of preeclampsia in ALSPAC and SWS*

* Model 1 includes maternal covariates (pre-pregnancy BMI, height, age over 35, parity, smoking, essential hypertension, previous gestational hypertension, diabetes, previous gestational diabetes, non-white ethnicity) and MAP at the first visit; Model 2 is as Model 1 plus the observed value of MAP at 28 weeks; Model 3 is as Model 1 plus the deviation of the observed value of MAP from the normogram prediction at 28 weeks; Model 4 is as Model 1 plus both the observed value of MAP at 28 weeks and the deviation of the observed value of MAP from the normogram prediction at 28 weeks.
Figure B Expected numbers of women allocated to the low and high risk groups for preeclampsia from a cohort of 1000 women based on testing sequentially using Model 1 at booking followed by Model 2 at subsequent visits with a threshold of 0.013 at each gestational age up to 31 weeks*

LOW RISK GROUP

1000 women at booking
(29 will develop preeclampsia)

467 women after initial screen
(2 will develop preeclampsia)

501 women at 20 weeks
(2 will develop preeclampsia)

529 women at 25 weeks
(3 will develop preeclampsia)

574 women at 28 weeks
(3 will develop preeclampsia)

613 women at 31 weeks
(4 will develop preeclampsia)

HIGH RISK GROUP

533 women after initial screen
(27 will develop preeclampsia)

499 women at 20 weeks
(27 will develop preeclampsia)

471 women at 25 weeks
(26 will develop preeclampsia)

424 women at 28 weeks
(26 will develop preeclampsia)

381 women at 31 weeks
(24 will develop preeclampsia)

* After the initial screen, only the high risk group are included in subsequent screening tests. To obtain these numbers we determined the average threshold giving a 95% sensitivity at each stage in the Avon Longitudinal Study of Parents and Children (including the high risk group only after the initial screen), and applied this threshold in the Southampton Women’s Survey.

Model 1 includes maternal covariates and MAP at the first visit; Model 2 additionally includes MAP at the gestational age of testing.