

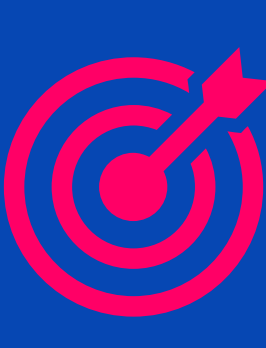
Core outcomes for studies of pregnant women with multiple health conditions: clinician focus group

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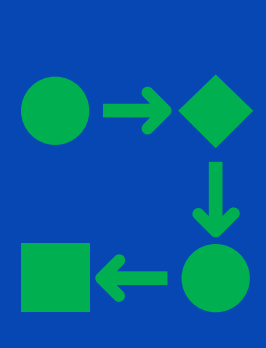
Why is this study needed?



Risk of adverse pregnancy outcomes if woman has multiple conditions

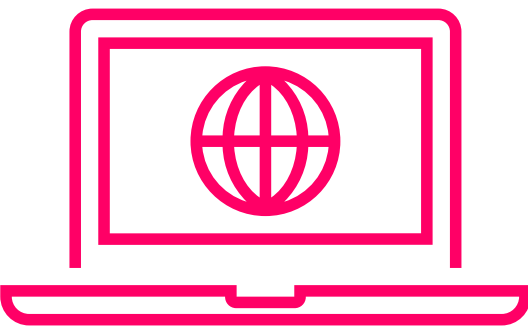


Core outcome set: standardise study reporting



Literature search, focus groups, Delphi surveys, consensus meeting

Conduct of the focus group



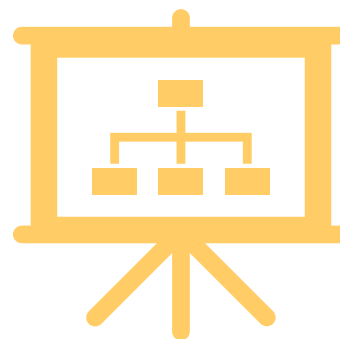
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7 England
1 Scotland
6 Ethnic minority
2 White



Obstetric
Obstetric medicine
Midwifery
Perinatal psychiatry
General practice
Neonatology



Thematic analysis

Before pregnancy

Two themes identified; **Fertility** and **Preconception support**.

Fertility

“your condition might make it very difficult to get pregnant and therefore getting pregnant is the achievement”

All time periods

Five themes identified; **Expectation of care & outcomes**, **Satisfaction with care**, **Wellbeing & quality of life**, **Maternal guilt** and **Medication in pregnancy**.

Maternal guilt

“there's an awful lot of guilt, when you have mothers if there's multiple morbidities”

Satisfaction with care

“outcomes when a pregnant woman has different conditions is this much more sort of qualitative ones around her satisfaction with her care”

Medication in pregnancy was split into three subthemes: *Compliance*, *Change in medication* and *Impact of medication on offspring outcomes*.

Change in medications

“We often see women who have stopped their medication automatically as soon as they find out they're pregnant”

During pregnancy

Ten themes identified; **Timing of birth**, **Mode of birth**, **Impact of long-term conditions**, **Financial implications**, **Intervention in pregnancy**, **Limitation of options**, **Maternal mortality**, **Blood pressure**, **Haemorrhage** and **Care**.

Timing of birth

“and is this going to cause their baby to be delivered preterm, so they're usually the things that they're [women] interested in”

Intervention in pregnancy

“...interventions in pregnancy, do they necessitate things like induction of labour prior to her estimated date or does it limit her options of birth”

Care was split into four subthemes: *Quality of care*, *Shared care decisions*, *MDT coordination of care* and *Long-term health conditions*.

Shared care decisions

“does she feel as though she was involved? Does she feel as though she was a partner in that care”

MDT coordination

“sometimes felt like things were like poetry in motion, when someone got pregnant because you had all of these services coming together to help them”

After pregnancy

Five themes identified; **Postnatal & long-term care**, **Perinatal mental health**, **Pressure as a mother**, **Long-term cardiovascular outcomes** and **Capability as a mother**.

Capability as a mother was split into four subthemes: *Bonding with baby*, *Establishing feeding*, *Engagement with healthy behaviours* and *Breastfeeding*.

“women are going home and feel the **pressure** in terms of **perinatal mental health**, it's important to ascertain **how that support is going to continue beyond the pregnancy**”

Child outcomes

Ten themes identified; **Baby's growth**, **Neonatal mortality**, **Neonatal morbidity**, **Condition at birth**, **Birth weight**, **Congenital anomalies**, **Developmental outcome**, **Metabolic syndrome**, **Infant mental health** and **Contribution to society**.

Baby's growth

“many of these chronic conditions will have a profound effect on the physiology of baby and the growth, and therefore how it might impact the development and long term outcome”

Health care utilisation

Six themes identified; **Length of separation from baby**, **Length of hospitalisation**, **Admission to neonatal unit**, **Admission to NICU**, **Number of tests & appointments** and **Number of hospital admissions**.

Separation from baby

“how long is my baby going to need to be on the neonatal unit, how long might I be separated from my baby because I'm unwell”

Conclusion

Findings illustrate a multitude of core outcomes important to clinicians for inclusion in studies of pregnant women with multiple health conditions.

Results from both this focus group and focus groups with women and their partners will feed into a future Delphi survey.