are exposed to possible presentation bias resulting from the presence of the researcher and from bias inherent in relying upon a small self-selected sample of women who are motivated to participate in research and/or may have a particular interest in GDM. An alternative research approach is to opportunistically use ‘found’ data that is spontaneously user-generated within online discussion forums. The objective of this study was to explore the perceptions and beliefs surrounding GDM suggested within online parental-support forums for parents, that could have implications for future T2D prevention.

Methods A search was carried out using the Google search engine to identify online discussion forums that could be of relevance to women with GDM in the UK. We screened these 10 (out of 120 forums) to identify those containing relevant data that could be considered public, and selected Mumsnet and Netmums to be included in the study. They were comprehensively searched using the search term ‘gestational diabetes or GD’, and relevant posts from 1/1/2017 – 14/2/2019 were identified. Multiple messages from the same person were linked together as a single unit, analogous to a research participant, using an anonymised identifier. A theoretical framework derived previously was used to code and sort the data using a framework approach.

Results A total of 646 posts in 137 threads from 282 unique users with current/previous GDM were analysed. Five prominent themes were identified: Emotional response to and understanding of diagnosis; personal responsibility, consequences and impact of GDM; lifestyle change; and Type 2 diabetes. Users’ discussions around these themes highlighted three implicit ‘messages’ regarding GDM: that GDM is not a serious or even real diagnosis and the consequences are not severe; that women need not take personal responsibility for GDM; and there are minimal implications for T2D prevention.

Discussion These (partially) subliminal messages will all mitigate against efforts to encourage women to change their lifestyles for future T2D prevention. This is worrying as online networks have huge reach, and are viewed by millions of visitors who don’t necessarily post themselves, but are signposted to these sites when they pose questions to global search engines. The data analysed were generated in a naturalistic setting and are perhaps closer than traditional qualitative research to women’s real perceptions and beliefs surrounding GDM.

**OP40** EXPLORING BARRIERS AND FACILITATORS FOR WOMEN TO SEEK HELP FOR REPRODUCTIVE SYMPTOMS IN THE UNITED KINGDOM: A RAPID REVIEW

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A rapid review was conducted to identify barriers and facilitators to seeking help for reproductive symptoms that was conducted with women in the United Kingdom. We also included articles on relevant interventions. One reviewer screened titles and abstracts with 10% double screened by a second reviewer. Full texts were screened independently by two reviewers. We extracted study characteristics using a pre-piloted form and used the Mixed Methods Appraisal Tool for quality assessment. Data extraction and quality assessment were performed by one reviewer and a sample checked by a second reviewer. We coded information on barriers and facilitators from each study into themes using NVivo. Results were summarised descriptively.

**Results** We screened 12474 citations, 102 full-text articles and retained 22 articles for analysis. Ten help-articles focused on interventions. Of the 12 articles reporting barriers and facilitators, the most common barriers to seeking help were embarrassment, perception that symptom is too private to talk about, dissatisfaction with the information received from healthcare professionals, poor knowledge, perception that symptom is part of aging and difficulty explaining the symptoms to others. Facilitators were having access to useful information/pitching of right level, an information source women felt comfortable with and supportive workplaces environments (including awareness among managers and flexible working).

**Conclusion** This review identified a range of barriers and facilitators spanning across capability, opportunity and motivation. We have categorised the barriers and facilitators into the Theory and Techniques Tool (TaTT) mechanisms of actions (MoAs). Our next step is to assess whether the existing intervention contents match those deemed theoretically appropriate using TaTT in order to identify missed opportunities for interventions. This will enable us to make recommendations for interventions to support women to seek help for reproductive symptoms when necessary.

**OP41** ASSOCIATIONS BETWEEN MODE OF DELIVERY AND OFFSPRING OVERWEIGHT/OBESITY: FINDINGS FROM THE STUDYING LIFECOURSE OBESITY PREDICTORS (SLOPE) POPULATION-BASED COHORT

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Background Childhood obesity affects one in ten children in England by age 5, and one in five by age 11. Existing evidence suggests a possible relationship between caesarean section (CS) birth and higher risk of overweight/obesity in childhood, however maternal obesity is a strong confounder
in this relationship. With CS rates rising by 4% globally per year, we aimed to examine the relationship between mode of delivery and overweight/obesity in childhood.

Methods SLOPE is a linked population-based cohort of anonymised routine antenatal, birth and child healthcare records in Hampshire, UK (2003–2018). Delivery method was categorised into unassisted vaginal delivery, assisted vaginal delivery and CS (including elective and emergency). Child body mass index (BMI) was measured as part of the National Child Measurement Programme in England. Children were identified as overweight/obese if their age- and sex-adjusted BMI was above the 85th percentile. Generalised linear modelling for outcome at two time points; 4–5 years (n=30,229) and 10–11 years (n=14,305) was conducted, adjusting for clustering within families. Modelling was introduced in stages with the choice of covariates informed by a Directed Acyclic Graph, first adjusting for maternal BMI, then adding in confounders including maternal age, ethnicity, educational attainment, parity, smoking status at booking appointment, pre-eclampsia, and previous CS (model C) and then birthweight and gestational age at birth as potential mediators (model M). Analyses were also stratified by maternal BMI category (underweight: <18.5, normal weight: 18.5 to <25, overweight: 25 to <30, obese: ≥30 kg/m²) at booking.

Results Of children delivered by CS, 25.0% and 33.7% were overweight/obese by 4–5 years and 10–11 years respectively, compared to 21.9% and 31.0% respectively with vaginal births. In unadjusted analysis, CS was associated with increased risk of overweight/obesity at 4–5 years (relative risk (RR) 1.13, 95% Confidence Interval (95% CI) 1.08–1.19), and at 10–11 years (RR 1.08, 95% CI 1.02–1.14), however both were attenuated after adjusting for maternal BMI. In stratified analyses, CS delivery was associated with increased risk of childhood overweight/obesity at 4–5 years only in normal weight women (model C: RR 1.15, 95% CI 1.04–1.27, model M: RR 1.14, 95% CI 1.02–1.26), but not in 10–11 year models.

Conclusion Maternal weight status at the start of pregnancy is a strong confounder in the relationship between mode of delivery and childhood overweight/obesity. In stratified analyses, this association was evident only for children of normal weight women. If this relationship is causal, the potential mechanisms need to be explored.