

# National Institute for Health and Care Excellence

Draft for consultation

## Intrapartum care for women with existing medical conditions or obstetric complications and their babies

**[A] Evidence review for information for women with existing medical conditions**

*NICE guideline <TBC at publication>*

*Evidence reviews for women at high risk of adverse outcomes for themselves and/or their baby because of existing maternal medical conditions*

*September 2018*

*Draft for consultation*

*Developed by the National Guideline Alliance hosted by the Royal College of Obstetricians and Gynaecologists*



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# 1 Information provision (women at high risk 2 of adverse outcomes for themselves 3 and/or their baby because of existing 4 maternal medical conditions)

## Review question

6 What are the main areas of information about labour and birth that are needed by pregnant  
7 women with existing medical conditions?

## Introduction

9 The overarching aim of this review is to determine what information makes a positive  
10 difference to women with existing medical conditions and their babies. This includes giving  
11 edited information and how clinical teams' decisions are conveyed to women and their birth  
12 companions. There are two sub-objectives:

- 13 • to explore the areas of information that would make a positive difference to women and  
14 their birth companions
- 15 • to evaluate the effectiveness of various information strategies or packages.

16 Areas of information, and information strategies or packages, to be included in the review will  
17 be relevant to quality of care in the intrapartum period (although they may be discussed or  
18 implemented in the antenatal, intrapartum or postnatal period). The review will consider  
19 women's reports of the information they would have liked to have received and what  
20 information would have been helpful for their families.

## 2 Summary of the protocol

22 See Table 1 for summaries of: the population, interest and context (PICO) characteristics for  
23 qualitative aspects of this review; and the population, intervention, comparison and outcomes  
24 (PICO) characteristics for quantitative aspects.

### 25 Table 1: Summary of the protocol (PICO) table

<b>Population</b>	<p>Women at high risk of adverse outcomes for themselves and/or their baby during labour and birth because of the following existing maternal medical conditions:</p> <ul style="list-style-type: none"> <li>• cardiac disease</li> <li>• asthma</li> <li>• conditions requiring long-term systemic steroid medication</li> <li>• haemostatic disorders</li> <li>• history of subarachnoid haemorrhage or arterio-venous malformation of the brain</li> <li>• acute kidney injury or chronic kidney disease</li> <li>• obesity</li> </ul>
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<b>Phenomenon of interest (for sub-objective 1) or intervention (for sub-objective 2)</b>	<p><u>For sub-objective 1</u> Phenomenon of interest:</p> <ul style="list-style-type: none"> <li>aspects of information provision that women defined in the population find useful, or believe they would have found useful (which could include information content relevant to the medical condition, or information regarding timing or mode of birth)</li> </ul> <p><u>For sub-objective 2</u> Intervention:</p> <ul style="list-style-type: none"> <li>any intervention or package of care designed to provide specific and/or additional information about labour and birth for women with existing medical conditions, for example, protocols for providing information or packages of information that can be provided to women and their birth companions</li> </ul>
<b>Comparison</b>	<p><u>For sub-objective 1</u></p> <ul style="list-style-type: none"> <li>N/A</li> </ul> <p><u>For sub-objective 2</u></p> <ul style="list-style-type: none"> <li>Absence of information</li> <li>Usual information provision</li> </ul>
<b>Outcomes</b>	<p><u>For sub-objective 1</u> The qualitative stream will not have objective outcomes, but the review will prioritise women's experience of labour and birth. Other themes might emerge as part of the qualitative review, and these will be recorded.</p> <p><u>For sub-objective 2</u> For the woman:</p> <ul style="list-style-type: none"> <li>mortality</li> <li>major morbidity</li> <li>women's satisfaction with labour and birth</li> <li>psychological outcomes (any including post-traumatic stress disorder, postnatal depression and anxiety)</li> <li>satisfaction/views of care</li> </ul> <p>For the baby:</p> <ul style="list-style-type: none"> <li>mortality</li> <li>major morbidity</li> </ul>

1 N/A: not applicable

2 For further details see the full review protocol in appendix A. The search strategies are  
3 presented in appendix B.

## Clinical evidence

### Included studies

6 One qualitative study among women with acquired or inherited thrombophilia was included in  
7 this review (see 'Summary of clinical studies included in the evidence review'). This study

- 1 (Martens 2007) was relevant for sub-objective 1. Semi-structured interviews were used to  
 2 investigate women's experiences in the study.
- 3 Evidence from the studies included in the review is summarised below (see 'Quality  
 4 assessment of clinical studies included in the evidence review').
- 5 There was no evidence identified for sub-objective 2 (quantitative review). Also, there was no  
 6 evidence identified for any other population of interest (women with cardiac disease, asthma,  
 7 long-term steroid medication, a history of intracranial haemorrhage or a cerebrovascular  
 8 malformation, acute kidney injury or chronic kidney disease, or obesity).
- 9 See also the study selection flow chart in appendix C.

## 1 Excluded studies

- 11 Studies not included in this review with reasons for their exclusion are listed in appendix D.

## 1 Summary of clinical studies included in the evidence review

- 13 Table 2 provides a brief summary of the included studies.

14 **Table 2: Summary of included studies**

Study	Aim of the study	Participants	Study design and methods
Martens 2007 Qualitative study Canada	To explore the experience of women with thrombophilia during pregnancy	N=9 women with acquired or inherited thrombophilia	<ul style="list-style-type: none"> <li>• Sample selection: women attending the thrombosis clinic of a large university-affiliated hospital in Montreal, Canada were invited to participate</li> <li>• Data collection: semi-structured interviews</li> </ul>

15

- 16 See also the study evidence tables in appendix E.

- 17 A theme map was not produced because there was only 1 theme.

- 18 No meta-analysis was undertaken for this review (and so there are no forest plots in  
 19 appendix F).

## 2 Quality assessment of clinical studies included in the evidence review

- 21 The clinical (GRADE-CERQual) evidence profiles for the qualitative study included in this  
 22 review are presented in appendix G.

## 2 Economic evidence

### 2 Included studies

- 25 No economic evidence was identified for this review.
- 26 See the study selection flow chart in Supplement 2 (Health economics).

## Excluded studies

- 2 No full-text copies of articles were requested for this review and so there is no excluded  
3 studies list (see Supplement 2 (Health economics)).

## Summary of studies included in the economic evidence review

- 5 No economic evidence was identified for this review (and so there are no economic evidence  
6 tables in Supplement 2 (Health economics)).

## Economic model

- 8 No economic modelling was undertaken for this review because the committee agreed that  
9 other topics were higher priorities for economic evaluation (see Supplement 2 (Health  
10 economics)).

## Evidence statements

### Women with thrombophilia

#### Qualitative evidence for theme 1 – uncertainty regarding birth

- 14 Moderate quality evidence from 1 qualitative study identified that women with thrombophilia  
15 were uncertain about the risks of discontinuing heparin at the time of birth, and the  
16 consequences of starting spontaneous labour without discontinuing their injections.

## Recommendations

- 18 A1. Offer pregnant women with medical conditions and their birth companions information  
19 about intrapartum care. This should include:
- 20 • general information as outlined in the NICE guideline on [intrapartum care for healthy](#)  
21 [women and babies](#)
  - 22 • how their medical condition may affect their care
  - 23 • how labour and birth may affect their medical condition
  - 24 • how their medical condition and its management may affect the baby.
- 25 A2. Offer information about intrapartum care in consultations before conception and as early  
26 as possible during pregnancy. Allow extra time to discuss with the woman how her medical  
27 condition may affect her care.
- 28 A3. Information about intrapartum care should be offered to women with medical conditions  
29 by a member of the multidisciplinary team (see recommendation B2).
- 30 A4. If a woman with a medical condition has not had any antenatal care (see evidence report  
31 R), give her information about intrapartum care as soon as she presents.

## **Rationale and impact**

### **Why the committee made the recommendations**

3 Evidence was very limited, but the committee knew from their experience that providing  
4 information is extremely important for pregnant women with medical conditions. They agreed  
5 that women would need the general information outlined in the NICE guideline on  
6 [intrapartum care for healthy women and babies](#) as well as additional information related to  
7 the medical condition. Extra time may be needed in a consultation to discuss how the  
8 medical condition may affect intrapartum care. It was agreed that information should be  
9 delivered by a healthcare professional from the multidisciplinary team (MDT) who can  
10 answer questions the woman may have about the intrapartum period and the medical  
11 condition.

### **Impact of the recommendations on practice**

13 The committee did not expect a significant change in practice as the recommendations are in  
14 line with what is generally happening in most centres. However, in centres where this is not  
15 happening, consultations will take longer.

### **The committee's discussion of the evidence**

#### **Interpreting the evidence**

##### ***The outcomes that matter most***

19 Outcomes for the woman and the baby were prioritised for the review as the committee  
20 determined that both were important and could be affected by information provision.

21 For sub-objective 1 (qualitative evidence), the committee agreed to be guided on which  
22 outcomes to prioritise by evidence emerging from included studies.

23 For sub-objective 2 (quantitative evidence), the committee considered mortality and major  
24 morbidities of both women and babies as critical outcomes because these are life-altering  
25 and potentially preventable with good information provision.

26 The committee also included women's satisfaction with labour and birth, their psychological  
27 outcomes and their satisfaction and views of care as important but not critical outcomes.  
28 These outcomes can assess the gap between service provision and women's expectations,  
29 and can therefore be used as proxies for effective antenatal information provision, as well as  
30 being important as an end in themselves.

##### ***The quality of the evidence***

32 One qualitative study was included in this review. One limitation of the study was that it  
33 included only women with thrombophilia and is therefore not representative of the wider  
34 population of interest. Furthermore, the relationship between the researcher and the  
35 participants was unclear. On the other hand, the findings were coherent, and the data were  
36 collected in Canada, and hence likely to be of some relevance to the NHS. Thus, overall  
37 GRADE-CERQual quality of the studies was appraised as moderate. However, the  
38 committee commented that the evidence was very scarce, and decided it was more  
39 appropriate to make recommendations based on their experience.

1 The committee determined that it was not appropriate to recommend randomised  
2 quantitative trials in this area because it was difficult to imagine a situation of clinical  
3 equipoise with respect to the group receiving less information. The committee also agreed  
4 that while it might be appropriate to conduct further qualitative research with these groups of  
5 women, the information the committee identified did not contradict the qualitative evidence  
6 from the NICE guideline on [intrapartum care for healthy women and babies](#) (CG190) and  
7 therefore the committee concluded that additional research on the qualitative information  
8 needs of women and babies at high risk in the intrapartum period because of existing  
9 maternal medical conditions might be of limited value compared to other questions that could  
10 be addressed qualitatively. Consequently they did not make any recommendations for further  
11 research.

### **1 Benefits and harms**

13 The committee determined that it was important to provide women with medical conditions  
14 with information about the intrapartum period, and especially about intrapartum-related  
15 reasons why the birth could be different to that of healthy women. The committee added that  
16 routine information about the intrapartum period should not be forgotten, and that the NICE  
17 guideline on [intrapartum care for healthy women and babies](#) (CG190) was an appropriate  
18 source of information. The benefit of providing such information is to allow for shared  
19 decision making, and ensure that the woman fully consents to any changes to the  
20 management of her condition during the intrapartum period.

21 As one purpose of providing this information is to allow the woman to make decisions about  
22 her care, the committee determined that it was better to provide the information as early as  
23 possible in order to allow the woman the longest possible time to make decisions, and to  
24 make alterations to the birth plan in response to the decisions if needed. Providing  
25 information early also has the advantage of allowing the woman time to ask follow-up  
26 questions, and to review the information provided regularly. Finally providing information  
27 early is important as high-risk conditions might increase the risk of a preterm birth (either  
28 spontaneously or because of a clinical decision taken to manage the risk to the woman). The  
29 committee explained that for some conditions (for example, some neurological conditions or  
30 long-term haematological conditions), an approximate understanding of impact on the  
31 intrapartum period can be discussed before the woman becomes pregnant, and this should  
32 be done if possible.

33 The committee was aware that information about the intrapartum period was sometimes  
34 given to healthy women by a variety of healthcare professionals, for example, a nurse or  
35 midwife with no other clinical obligations towards the woman. They determined that this was  
36 inappropriate for women with a high-risk intrapartum period, since the woman's care would  
37 be managed by a multidisciplinary team, and therefore information about the woman's care  
38 needed to come from a member of the multidisciplinary team with sufficient contact with the  
39 woman and the team to explain why a particular course of action was recommended and  
40 capable of answering questions from the woman on either the intrapartum period or her  
41 medical condition.

42 The committee discussed how information provision would be more challenging if the woman  
43 had not had any antenatal care, since it would make it more difficult to discuss the  
44 information with the woman and respond to her preferences for labour and birth after sharing  
45 the information. The committee recommended that the same principles should be applied to  
46 women who have not received antenatal care, but accepted that it would not always be possible  
47 to follow every recommendation. Consequently women with no antenatal care should still

- 1 receive a good quality of information as early as possible, but may have less opportunity to
- 2 make decisions about their care in light of that information (for example, depending on the
- 3 stage of labour at which the woman presents it may not be possible to offer a caesarean
- 4 section).

### **Cost effectiveness and resource use**

- 6 The evidence was very limited and the committee made a qualitative assessment of cost
- 7 effectiveness. They noted that their recommendations on information provision were
- 8 generally not resource intensive, although they recognised that staff time would be required.

- 9 The committee considered that it would be cost effective to provide women with existing
- 10 medical conditions information about the intrapartum period and in a timely manner, in order
- 11 to facilitate an informed decision with respect to the woman's choices and potential
- 12 modifications to the birth plan. They committee considered that this would have a beneficial
- 13 impact on psychological outcomes and the woman's satisfaction with labour and birth.

- 14 The committee considered that their recommendations largely reflected current practice and,
- 15 therefore, they did not anticipate a significant resource impact to the NHS. However, they
- 16 thought that for some centres longer consultations might be necessary.

### **Other factors the committee took into account**

- 18 The committee discussed that information provision would be challenging for women who
- 19 had difficulty with communication, for example, women who spoke English as a second
- 20 language (or not at all), women with a learning difficulty and women with a speech and
- 21 language impairment. The committee determined that it was not necessary to make a
- 22 specific recommendation for sharing information with this group, as NICE's existing
- 23 recommendations on services are explicit in ensuring that communication with the woman
- 24 acknowledges the importance of factors making communication difficult.

- 25 Despite the limited evidence, the committee decided to prioritise other areas addressed by
- 26 the guideline for future research and therefore made no research recommendations
- 27 regarding information provision.

28

## 1 **References**

### 2 **Martens 2007**

- 3 Martens, T. Z., Emed, J. D., The experiences and challenges of pregnant women coping with  
4 thrombophilia, JOGNN - Journal of Obstetric, Gynecologic, & Neonatal Nursing, 36, 55-62,  
5 2007  
6

# 1 Appendices

## Appendix A – Review protocol

### Information provision (women at high risk of adverse outcomes for themselves and/or their baby because of existing maternal medical conditions)

Item	Details	Working notes
Area in the scope	Women at high risk of adverse outcomes for themselves and/or their baby because of existing maternal medical conditions – information provision	
Review question in the scope	What are the main areas of information about labour and birth that are needed by pregnant women with existing medical conditions?	
Review question for the guideline	What are the main areas of information about labour and birth that are needed by pregnant women with existing medical conditions?	
Objective	<p>The aim of this review is to determine what information makes a positive difference to women with existing medical conditions and their babies.</p> <p>This includes giving edited information and how clinical teams' decisions are conveyed to women and their birth companions.</p> <p>There are two sub-objectives:</p> <ol style="list-style-type: none"> <li>1. to explore the areas of information that would make a positive difference to women and their birth companions</li> <li>2. to evaluate the effectiveness of various information strategies or packages.</li> </ol> <p>Areas of information, and information strategies or packages, to be included in the review will be relevant to quality of care in the intrapartum period (although they may be discussed or implemented in the antenatal, intrapartum or postnatal period). The review will consider women's reports of the information they would have liked to have received and what information would have been helpful for their families</p>	
Population and directness	<p><u>For sub-objectives 1 and 2</u></p> <p>Women at high risk of adverse outcomes for themselves and/or their baby during labour and birth because of the following existing maternal medical conditions:</p> <ul style="list-style-type: none"> <li>• cardiac disease</li> <li>• asthma</li> <li>• conditions requiring long-term systemic steroid medication</li> <li>• haemostatic disorders</li> <li>• history of subarachnoid haemorrhage or arterio-venous malformation of the brain</li> <li>• acute kidney injury or chronic kidney disease</li> </ul>	

Item	Details	Working notes
Phenomenon of interest (for sub-objective 1) or intervention (for sub-objective 2)	<ul style="list-style-type: none"> <li>• obesity</li> </ul> <p><u>For sub-objective 1</u> Phenomenon of interest:</p> <ul style="list-style-type: none"> <li>• aspects of information provision that women defined in the population find useful, or believe they would have found useful (which could include information content relevant to the medical condition, or information regarding timing or mode of birth)</li> </ul> <p>Specific themes will be identified from the literature and recorded</p> <p><u>For sub-objective 2</u> Intervention:</p> <ul style="list-style-type: none"> <li>• any intervention or package of care designed to provide specific and/or additional information about labour and birth for women with existing medical conditions, for example, protocols for providing information or packages of information that can be provided to women and their birth companions</li> </ul>	
Comparison	<p><u>For sub-objective 1</u></p> <ul style="list-style-type: none"> <li>• N/A</li> </ul> <p><u>For sub-objective 2</u></p> <ul style="list-style-type: none"> <li>• Absence of information</li> <li>• Usual information provision</li> </ul>	
Outcomes	<p><u>For sub-objective 1</u></p> <ul style="list-style-type: none"> <li>• N/A</li> </ul> <p><u>For sub-objective 2</u> Critical outcomes:</p> <ul style="list-style-type: none"> <li>• for the woman: <ul style="list-style-type: none"> <li>○ mortality</li> <li>○ major morbidity</li> </ul> </li> <li>• for the baby: <ul style="list-style-type: none"> <li>○ mortality</li> <li>○ major morbidity</li> </ul> </li> </ul> <p>Important outcomes:</p> <ul style="list-style-type: none"> <li>• for the woman: <ul style="list-style-type: none"> <li>○ women's satisfaction with labour and birth</li> <li>○ psychological outcomes (any including post-traumatic stress disorder, postnatal depression and anxiety)</li> </ul> </li> </ul> <p>Outcomes of limited importance:</p> <ul style="list-style-type: none"> <li>• for the woman: <ul style="list-style-type: none"> <li>○ satisfaction with care/views of care</li> </ul> </li> </ul>	

Item	Details	Working notes
Importance of outcomes	<p><u>For sub-objective 1</u></p> <ul style="list-style-type: none"> <li>• N/A</li> </ul> <p><u>For sub-objective 2</u></p> <p>Preliminary classification of the outcomes for decision making:</p> <ul style="list-style-type: none"> <li>• critical (up to 3 outcomes)</li> <li>• important but not critical (up to 3 outcomes)</li> <li>• of limited importance (1 outcome)</li> </ul>	
Context or setting	<p><u>For sub-objectives 1 and 2</u></p> <p>All settings</p>	
Stratified, subgroup and adjusted analyses	<p>For sub-objectives 1 and 2</p> <ul style="list-style-type: none"> <li>• Groups that will be reviewed and analysed separately: <ul style="list-style-type: none"> <li>◦ for condition-specific information, women with different medical conditions will be analysed separately</li> </ul> </li> </ul> <p>For sub-objective 2 only</p> <p>In the presence of heterogeneity, the following subgroups will be considered for sensitivity analysis:</p> <ul style="list-style-type: none"> <li>• different medical conditions</li> <li>• different interventions for individual medical conditions</li> </ul> <p>Potential confounders:</p> <ul style="list-style-type: none"> <li>• accessibility of the information given to women</li> <li>• maternal age</li> <li>• parity</li> <li>• level of education</li> <li>• socioeconomic background</li> <li>• access to services</li> </ul>	
Language	English	
Study design	<p><u>For sub-objective 1</u></p> <ul style="list-style-type: none"> <li>• Published full-text papers only</li> <li>• Systematic reviews of qualitative studies</li> <li>• Qualitative studies</li> </ul> <p><u>For sub-objective 2</u></p> <ul style="list-style-type: none"> <li>• Published full-text papers only</li> <li>• Systematic reviews</li> <li>• RCTs</li> </ul> <ul style="list-style-type: none"> <li>• Only if RCTs unavailable or there is limited data to inform decision making: <ul style="list-style-type: none"> <li>◦ prospective or retrospective comparative cohort studies</li> </ul> </li> </ul>	

Item	Details	Working notes
	<ul style="list-style-type: none"> <li>• Prospective study designs will be prioritised over retrospective study designs</li> <li>• Conference abstracts will not be considered</li> </ul>	
Search strategy	<p>Sources to be searched: Medline, Medline In-Process, CCTR, CDSR, DARE, HTA, Embase, PsycInfo and MIDIRS.</p> <p>Limits (e.g. date, study design): study designs limited to qualitative studies, systematic reviews, RCTs, cohort studies and before-and-after studies; apply standard animal/non-English language filters; no date limit.</p> <p>Supplementary search techniques: no supplementary search techniques were used.</p> <p>See appendix B for full strategies</p>	
Review strategy	<p><u>For sub-objective 1</u></p> <ul style="list-style-type: none"> <li>• Appraisal of methodological quality: <ul style="list-style-type: none"> <li>○ the methodological quality of each study will be assessed using a qualitative study quality checklist (CASP) as set out in the NICE guidelines manual 2014</li> <li>○ the quality of the evidence for each review finding (that is, across studies) will be assessed using the GRADE-CERQual approach</li> </ul> </li> <li>• Synthesis of data: <ul style="list-style-type: none"> <li>○ thematic analysis of the data will be conducted and findings presented</li> <li>○ data will be extracted to the point of saturation (that is, when all information needs have been detected and no new information is found); from this point on, no more papers will be reviewed</li> <li>○ thematic data analysis will consider information needs specific to the population sub-groups listed above</li> </ul> </li> </ul> <p><u>For sub-objective 2</u></p> <ul style="list-style-type: none"> <li>• Appraisal of methodological quality: <ul style="list-style-type: none"> <li>○ the methodological quality of each study will be assessed using checklists recommended in the NICE guidelines manual 2014 (for example, AMSTAR or ROBIS for systematic reviews, and Cochrane RoB tool for RCTs) and the quality of the evidence for each outcome (that is, across studies) will be assessed using GRADE</li> <li>○ if studies report only p-values, this information will be recorded in GRADE tables without an assessment of imprecision</li> </ul> </li> <li>• Synthesis of data: <ul style="list-style-type: none"> <li>○ meta-analysis will be conducted where appropriate</li> <li>○ default MIDs will be used; 0.8 and 1.25 for dichotomous outcomes; 0.5 times the SD of the measurement in the control arm (or median score</li> </ul> </li> </ul>	<p>Review questions selected as high priorities for health economic analysis (and those selected as medium priorities and where health economic analysis could influence recommendations) will be subject to dual weeding and study selection; any discrepancies will be resolved through discussion between the first and second reviewers or by reference to a third person. This review question was not prioritised for health economic analysis and so no formal dual weeding, study selection (inclusion/exclusion) or data extraction into evidence tables will be undertaken. However, internal (NGA) quality assurance processes will include consideration of the outcomes of weeding, study selection and data extraction and the committee will review the results of study</p>

Item	Details	Working notes
	<p>across control arms if multiple studies are included) for continuous outcomes</p> <ul style="list-style-type: none"> <li>○ for continuous data, change scores will be used in preference to final scores for data from non-RCT studies; final and change scores will not be pooled; if any study reports both, the method used in the majority of studies will be adopted</li> </ul>	selection and data extraction
Equalities	<p>Equalities considerations will be considered systematically in relation to the available evidence and draft recommendations.</p> <p>The guideline scope includes women with cognitive or physical disability as populations for whom there may be equalities issues. Recommendations about information provision should take into account patient inequalities such as those caused by vision, auditory and cognitive difficulties.</p> <p>Women who have received no antenatal care will be considered as a subgroup for all systematic reviews performed within the medical conditions work stream and a specific question has been included in the obstetric complications work stream for this population</p>	
Notes/additional information	<p>Care Quality Commission. 2015 survey of women's experiences of maternity care: statistical release. December 2015 (<a href="http://www.cqc.org.uk/sites/default/files/20151215b_mat15_statistical_release.pdf">http://www.cqc.org.uk/sites/default/files/20151215b_mat15_statistical_release.pdf</a>)</p> <p>NICE guideline on <a href="#">preterm labour and birth</a> (NG25)</p> <p>NICE guideline on <a href="#">antenatal care for uncomplicated pregnancies</a> (CG62)</p>	
Key papers	<p>How women with high risk pregnancies use lay information when considering place of birth: A qualitative study: <a href="https://www.ncbi.nlm.nih.gov/pubmed/26282618">https://www.ncbi.nlm.nih.gov/pubmed/26282618</a></p>	

- 1 AMSTAR: Assessing the Methodological Quality of Systematic Reviews; CASP: Critical Appraisal Skills
- 2 Programme; CCTR: Cochrane Central Register of Controlled Trials; CDSR: Cochrane Database of Systematic
- 3 Reviews; CERQual: Confidence in the Evidence from Reviews of Qualitative Research; DARE: Database of
- 4 Abstracts of Reviews of Effects; GRADE: Grading of Recommendations Assessment, Development and
- 5 Evaluation; HTA: Health Technology Assessment; MID: minimally important difference; MIDIRS: Midwives
- 6 Information & Resource Service; N/A: not applicable; NGA: National Guideline Alliance; NICE: National Institute
- 7 for Health and Care Excellence; RCT: randomised controlled trial; RoB: risk of bias; ROBIS: Risk of Bias in
- 8 Systematic Reviews; SD: standard deviation;

## Appendix B – Literature search strategies

### Information provision (women at high risk of adverse outcomes for themselves and/or their baby because of existing maternal medical conditions)

Database: Medline; Medline Epub Ahead of Print; and Medline In-Process & Other Non-Indexed Citations

#	Searches
1	interview\$.mp.
2	experience\$.mp.
3	qualitative\$.tw.
4	or/1-3
5	META-ANALYSIS/
6	META-ANALYSIS AS TOPIC/
7	(meta analy* or metanaly* or metaanaly*).ti,ab.
8	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
9	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
10	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
11	(search* adj4 literature).ab.
12	(medline or pubmed or cochrane or embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.
13	cochrane.jw.
14	or/5-13
15	randomized controlled trial.pt.
16	controlled clinical trial.pt.
17	pragmatic clinical trial.pt.
18	randomi#ed.ab.
19	placebo.ab.
20	randomly.ab.
21	CLINICAL TRIALS AS TOPIC/
22	trial.ti.
23	or/15-22
24	COHORT STUDIES/
25	(cohort adj3 (study or studies)).ti,ab.
26	(Cohort adj3 analy\$).ti,ab.
27	FOLLOW-UP STUDIES/
28	(Follow\$ up adj3 (study or studies)).ti,ab.
29	LONGITUDINAL STUDIES/
30	longitudinal\$.ti,ab.
31	PROSPECTIVE STUDIES/
32	prospective\$.ti,ab.
33	RETROSPECTIVE STUDIES/
34	retrospective\$.ti,ab.
35	or/24-34
36	CONTROLLED BEFORE-AFTER STUDIES/
37	(before\$ adj3 after\$ adj3 (study or studies)).ti,ab.
38	or/36-37
39	PREGNANCY/
40	PERIPARTUM PERIOD/
41	PARTURITION/

DRAFT FOR CONSULTATION

Intrapartum care for women with existing medical conditions or obstetric complications and their babies

#	Searches
42	exp LABOR, OBSTETRIC/
43	OBSTETRIC LABOR, PREMATURE/
44	pregnan\$.ti,ab.
45	(labo?r or childbirth or partu\$ or intra?part\$ or peri?part\$).ti,ab.
46	((during or giving or give) adj3 birth?).ti,ab.
47	or/39-46
48	*OBESITY/ or *OBESITY, ABDOMINAL/ or *OBESITY, MORBID/
49	*BODY MASS INDEX/ or *BODY SIZE/ or *OVERWEIGHT/ or *WAIST CIRCUMFERENCE/ or *WAIST-HIP RATIO/
50	body mass index.ti.
51	(obesity or obese or heavy or heavier or overweight or fat\$ or BMI).ti.
52	*ADIPOSE TISSUE/ or *ADIPOSE TISSUE, WHITE/
53	or/48-52
54	exp ASTHMA/
55	asthma\$.ti,ab.
56	BRONCHIAL SPASM/
57	(Bronchospasm? or bronch\$ spasm?).ti,ab.
58	BRONCHOCONSTRICTION/
59	(Bronchoconstrict\$ or bronch\$ constrict\$).ti,ab.
60	or/54-59
61	INTRACRANIAL HEMORRHAGES/
62	SUBARACHNOID HEMORRHAGE/
63	(h?emorrhag\$ adj3 (subarachnoid or intracranial\$)).ab,ti.
64	SAH?.ab,ti.
65	INTRACRANIAL ARTERIOVENOUS MALFORMATIONS/
66	((Intracranial\$ or cerebr\$ or brain?) adj5 (arteriovenous or arterio-venous) adj3 malform\$).ab,ti.
67	(cerebr\$ adj3 malform\$).ab,ti.
68	AVM?.ab,ti.
69	(recurr\$ adj3 h?emorrhag\$).ti,ab.
70	(Cerebr\$ adj3 accident?).ti,ab.
71	cva.ti,ab.
72	HEMIPLEGIA/
73	hemiplegia?.ti,ab.
74	cavernoma?.ti,ab.
75	or/61-74
76	exp STEROIDS/
77	exp ADRENAL CORTEX HORMONES/
78	PREDNISONE/
79	exp PREDNISOLONE/
80	exp HYDROCORTISONE/
81	exp DEXAMETHASONE/
82	or/76-81
83	((stress or rescue or maintenance or increment\$ or boost\$ or supplement\$ or additional\$ or added\$ or increas\$) adj3 (dose? or dosag\$)).ti,ab.
84	((Temporar\$ or short term or physiological\$) adj3 increase\$).ti,ab.
85	or/83-84
86	82 and 85
87	((steroid\$ or corticosteroid? or prednisone or fluprednisolone or methylprednisolone or prednimustine or Hydrocortisone or fludrocortisone or Dexamethasone) adj3 (stress or rescue or maintenance or increment\$ or boost\$ or supplement\$ or additional\$ or added\$ or increas\$ or replace\$ or regimen\$ or long term)).mp.

#	Searches
88	((steroid\$ or corticosteroid? or prednisone or fluprednisolone or methylprednisolone or prednimustine or Hydrocortisone or fludrocortisone or Dexamethasone) adj3 (high\$ adj2 (dose? or level?))).mp.
89	or/86-88
90	exp RENAL INSUFFICIENCY, CHRONIC/
91	((Renal\$ or kidney?) adj5 (disease? or insuffic\$ or fail\$) adj5 (chronic\$ or end-stage?)).ab,ti.
92	CKD.ab,ti.
93	ESRD.ab,ti.
94	Frasier syndrome.ti,ab.
95	exp ACUTE KIDNEY INJURY/
96	((Renal\$ or kidney?) adj5 (injur\$ or insuffic\$ or fail\$) adj5 acute\$).ab,ti.
97	(Kidney adj5 tubular necrosis adj5 acute\$).ab,ti.
98	(Nephrosis adj5 nephron adj5 lower).ab,ti.
99	AKI.ab,ti.
100	KIDNEY TRANSPLANTATION/
101	((kidney? or renal\$) adj3 (transplant\$ or graft\$)).ti,ab.
102	or/90-101
103	PULMONARY VALVE STENOSIS/
104	(pulmonary adj2 stenosis\$).ti,ab.
105	DUCTUS ARTERIOSUS, PATENT/
106	(Paten\$ adj2 ductus arteriosus).ti,ab.
107	MITRAL VALVE PROLAPSE/
108	(mitral valve? adj2 (prolapse? or floppy)).ti,ab.
109	click murmur syndrome?.ti,ab.
110	(Repair\$ adj3 lesion? adj3 (heart? or cardiac)).ti,ab.
111	HEART SEPTAL DEFECTS, ATRIAL/
112	HEART SEPTAL DEFECTS, VENTRICULAR/
113	((atrial or ventricul\$ or intraventricul\$) adj2 septal adj2 defect\$).ti,ab.
114	(persist\$ adj2 ostium primum).ti,ab.
115	anomalous pulmonary venous drain\$.ti,ab.
116	exp CARDIAC COMPLEXES, PREMATURE/
117	((Atrial or ventricular or supraventricular) adj2 (ectopic or premature) adj2 (beat? or complex\$ or complice?)).ti,ab.
118	((Atrial or ventricular) adj2 extrasystole?).ti,ab.
119	"TETRALOGY OF FALLOT"/su [Surgery]
120	(tetralogy adj2 Fallot\$ adj10 (repair\$ or surgery)).ti,ab.
121	exp *ARRHYTHMIAS, CARDIAC/
122	(arrhythmia? or dysrhythmia?).ti,ab.
123	(Atrial adj2 (Fibrillation or Flutter)).ti,ab.
124	(Bradycardia? or bradyarrhythmia?).ti,ab.
125	Brugada Syndrome.ti,ab.
126	(premature adj2 (atrial or ventricular) adj2 contraction?).ti,ab.
127	Heart Block.ti,ab.
128	Long QT Syndrome.ti,ab.
129	Parasystole.ti,ab.
130	Pre-Excitation Syndrome?.ti,ab.
131	Tachycardia?.ti,ab.
132	(Ventricular adj2 (Fibrillation or Flutter)).ti,ab.
133	exp CARDIOMYOPATHY, HYPERTROPHIC/
134	(Hypertrophic adj2 cardiomyopath\$).ti,ab.
135	AORTIC VALVE INSUFFICIENCY/
136	MITRAL VALVE INSUFFICIENCY/

#	Searches
137	((mitral or aort\$) adj2 (regurg\$ or incompeten\$)).ti,ab.
138	((mitral or aort\$) adj2 valv\$ adj2 insufficien\$).ti,ab.
139	MARFAN SYNDROME/
140	(Marfan\$ adj2 syndrome).ti,ab.
141	exp AORTIC DISEASES/
142	(aort\$ adj2 (disease? or aneurysm? or ruptur\$)).ti,ab.
143	Aortitis.ti,ab.
144	Loeys-Dietz Syndrome.ti,ab.
145	Leriche Syndrome.ti,ab.
146	AORTIC COARCTATION/su [Surgery]
147	(Coarctation? adj10 (repair\$ or surgery)).ti,ab.
148	HEART VALVE PROSTHESIS/
149	((heart or cardiac) adj3 valve? adj5 (prosth\$ or mechanical or replace\$)).ti,ab.
150	"TRANSPOSITION OF GREAT VESSELS"/
151	(Transpos\$ adj2 great adj2 (vessels or arteries)).ti,ab.
152	FONTAN PROCEDURE/
153	(Fontan\$ adj2 (circulat\$ or procedure?)).ti,ab.
154	exp CORONARY DISEASE/
155	(Coronary adj2 (disease? or aneurysm? or arterioscleros?s or occlusion? or stenosis? or restenosis? or thrombosis? or vasospasm?)).ti,ab.
156	*HEART DEFECTS, CONGENITAL/
157	Cyanotic heart disease?.ti,ab.
158	(complex\$ adj10 congenital\$ heart disease?).ti,ab.
159	*PULMONARY HYPERTENSION/
160	(Pulmonary adj2 arter\$ adj2 hypertens\$).ti,ab.
161	exp VENTRICULAR DYSFUNCTION/
162	((left or right) adj2 ventric\$ adj2 (impair\$ or systemic\$ or dysfuncti\$)).ti,ab.
163	(systemic\$ adj2 ventric\$ adj2 dysfuncti\$).ti,ab.
164	exp *CARDIOMYOPATHIES/ and TIME FACTORS/
165	(previous\$ adj5 cardiomyopath\$).ti,ab.
166	MITRAL VALVE STENOSIS/
167	(mitral adj2 stenosis?).ti,ab.
168	exp AORTIC VALVE STENOSIS/
169	(aort\$ adj2 stenosis?).ti,ab.
170	AORTIC COARCTATION/
171	(Coarctation? adj3 aort\$).ti,ab.
172	or/103-171
173	exp CARDIOMYOPATHIES/
174	cardiomyopath\$.ti,ab.
175	myocardiopath\$.ti,ab.
176	myocardial disease?.ti,ab.
177	PPCM.ti,ab.
178	Arrhythmogenic Right Ventricular Dysplasia.ti,ab.
179	Endocardial Fibroelastosis.ti,ab.
180	(Isolated Noncompaction adj3 Ventricular Myocardium).ti,ab.
181	Endomyocardial Fibrosis.ti,ab.
182	(Glycogen Storage Disease adj3 (Type IIb or type 2b)).ti,ab.
183	((antopol or danon) adj2 disease?).ti,ab.
184	(Kearn\$ adj3 Syndrome).ti,ab.
185	Myocardial Reperfusion Injur\$.ti,ab.
186	Myocarditis.ti,ab.
187	Carditis.ti,ab.

#	Searches
188	Sarcoglycanopath\$.ti,ab.
189	or/173-188
190	exp BLOOD PLATELET DISORDERS/
191	(Blood Platelet Disorder? or Bernard-Soulier Syndrome or Gray Platelet Syndrome or Platelet Storage Pool Deficien\$ or Hermanski-Pudlak Syndrome or Thrombasthenia or Thrombocytopeni\$ or Jacobsen Distal 11q Deletion Syndrome or Kasabach-Merritt Syndrome or Thrombotic Microangiopath\$ or Hemolytic-Uremic Syndrome or (Purpura adj3 Thrombocytopeni\$) or Glanzmann\$ thrombasthenia).ti,ab.
192	HELLP SYNDROME/
193	HELLP.ti,ab.
194	HEMOLYTIC-UREMIC SYNDROME/
195	hemolytic uremic syndrome.ti,ab.
196	LUPUS ERYTHEMATOSUS, SYSTEMIC/
197	systemic lupus erythematosus.ti,ab.
198	ANTIPHOSPHOLIPID SYNDROME/
199	((antiphospholipid or anti-phospholipid) adj3 syndrome?).ti,ab.
200	Evans syndrome.ti,ab.
201	(Platelet adj3 (Disorder? or dysfunction\$) adj10 (infect\$ or human immunodeficiency virus\$ or HIV or parvovirus or (Drug adj3 (relat\$ or due or induced)) or Liver disease?).ti,ab.
202	(Bone marrow suppression or myelotoxic\$ or myelosuppression).ti,ab.
203	exp HEMORRHAGIC DISORDERS/
204	(Hemorrhagic Disorder? or Afibrinogenemia or Bernard-Soulier Syndrome or Disseminated Intravascular Coagulation or Factor V Deficien\$ or Factor VII Deficien\$ or Factor X Deficien\$ or Factor XI Deficien\$ or Factor XII Deficien\$ or Factor XIII Deficien\$ or H?emophilia? or Hemostatic Disorder? or Cryoglobulinemia or Ehlers-Danlos Syndrome or (Hemangioma? adj3 Cavernous) or Multiple Myeloma or Pseudoxanthoma Elasticum or (Purpura adj3 Hyperglobulinemic) or (Purpura adj3 Schoenlein-Henoch) or Scurvy or Shwartzman Phenomenon or (Telangiectasia adj3 Heredit\$) or Waldenstrom Macroglobulinemia or Hypoprothrombinemia? or (Prothrombin adj3 Deficien\$) or Platelet Storage Pool Deficien\$ or Hermanski-Pudlak Syndrome or (Purpura adj3 Thrombocytopeni\$) or Thrombasthenia or Thrombocythemia or Vitamin K Deficien\$ or von Willebrand Disease? or Waterhouse-Friderichsen Syndrome or Wiskott-Aldrich Syndrome or (Fibrinogen adj3 Deficien\$) or Dysfibrinogenemia or Hypofibrinogenemia).ti,ab.
205	exp BLOOD COAGULATION DISORDERS, INHERITED/
206	((Blood Coagulation Disorder? adj3 Inherit\$) or Activated Protein C Resistan\$ or Antithrombin III Deficien\$ or Protein C Deficien\$).ti,ab.
207	PREGNANCY COMPLICATIONS, HEMATOLOGIC/
208	or/190-207
209	53 or 60 or 75 or 89 or 102 or 172 or 189 or 208
210	47 and 209
211	PREGNANCY, HIGH-RISK/
212	(pregnan\$ adj3 high\$ adj3 risk\$).ab,ti.
213	(pregnan\$ adj10 (exist\$ or preexist\$) adj5 condition?).ab,ti.
214	or/211-213
215	PREGNANCY COMPLICATIONS, CARDIOVASCULAR/
216	PREGNANCY COMPLICATIONS, HEMATOLOGIC/
217	210 or 214 or 215 or 216
218	HEALTH EDUCATION/
219	exp CONSUMER HEALTH INFORMATION/
220	PATIENT EDUCATION AS TOPIC/
221	exp PARENTS/ed [education]
222	INFORMATION SEEKING BEHAVIOR/
223	POSTERS AS TOPIC/

#	Searches
224	PUBLICATIONS/
225	GOVERNMENT PUBLICATIONS AS TOPIC/
226	PAMPHLETS/
227	INTERNET/
228	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 educat\$).ti.
229	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 educat\$).ab. /freq=2
230	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 informat\$).ti,ab.
231	((pamphlet? or leaflet? or booklet? or manual\$ or brochure? or publication? or handout? or written or website? or web site? or web page? or webpage? or web based or video? or dvd? or online? or internet? or app? or application?) adj5 (informat\$ or educat\$).ti,ab.
232	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj5 (pamphlet? or leaflet? or booklet? or manual? or brochure? or publication? or handout? or written or website? or web site? or web page? or webpage? or web based or video? or dvd? or online? or internet? or app? or application?)).ti,ab.
233	(informat\$ adj3 (model? or program\$ or need? or requir\$ or seek\$ or access\$ or dissem\$ or shar\$ or provision)).ti,ab.
234	(informat\$ adj3 provid\$).ti.
235	(informat\$ adj3 provid\$).ab.
236	informat\$.ab. /freq=2
237	235 and 236
238	(informat\$ adj3 (help\$ or support\$ or benefi\$ or hinder\$ or hindran\$ or barrier? or facilitat\$ or practical\$ or clear\$ or accurat\$)).ti,ab.
239	(informat\$ adj3 (type? or content? or method? or quality)).ti,ab.
240	((additional or extra or added or further) adj3 informat\$).ti,ab.
241	((time? or timing or when or prompt\$) adj3 informat\$).ti,ab.
242	((give? or giving or gave) adj3 informat\$).ti,ab.
243	(informat\$ adj3 (hospital? or service? or resource? or red flag? or emergency care or contact?)).ti,ab.
244	patient education handout.pt.
245	218 or 219 or 220 or 221 or 222 or 223 or 224 or 225 or 226 or 227 or 228 or 229 or 230 or 231 or 232 or 233 or 234 or 237 or 238 or 239 or 240 or 241 or 242 or 243 or 244
246	PATIENT CARE PLANNING/
247	CRITICAL PATHWAY/
248	CLINICAL PROTOCOLS/
249	or/246-248
250	informat\$.ti,ab.
251	249 and 250
252	(informat\$ adj3 (care plan\$ or pathway? or protocol?)).ti,ab.
253	or/251-252
254	COMMUNICATION BARRIERS/
255	((communicat\$ or language?) adj3 (barrier? or facilitat\$)).ti,ab.
256	(communicat\$ adj3 (help\$ or unhelp\$ or un-help\$ or encourag\$ or prevent\$ or good or bad\$ or effect\$ or ineffect\$ or in-effect\$ or poor\$ or difficult\$)).ti,ab.
257	(communicat\$ adj3 (time? or timing? or initiat\$)).ti,ab.
258	TRANSLATING/
259	(translat\$ adj7 (communicat\$ or language? or informat\$)).ti,ab.
260	or/254-259
261	245 or 253 or 260
262	217 and 261

#	Searches
263	*PREGNANCY COMPLICATIONS/
264	informat\$.ti.
265	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 informat\$.ab.
266	or/264-265
267	263 and 266
268	PERINATAL CARE/
269	PRENATAL EDUCATION/
270	or/268-269
271	245 and 270
272	PRENATAL CARE/
273	230 and 272
274	262 or 267 or 271 or 273
275	limit 274 to english language
276	LETTER/
277	EDITORIAL/
278	NEWS/
279	exp HISTORICAL ARTICLE/
280	ANECDOTES AS TOPIC/
281	COMMENT/
282	CASE REPORT/
283	(letter or comment*).ti.
284	or/276-283
285	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
286	284 not 285
287	ANIMALS/ not HUMANS/
288	exp ANIMALS, LABORATORY/
289	exp ANIMAL EXPERIMENTATION/
290	exp MODELS, ANIMAL/
291	exp RODENTIA/
292	(rat or rats or mouse or mice).ti.
293	or/286-292
294	275 not 293
295	4 and 294
296	14 and 294
297	23 and 294
298	35 and 294
299	38 and 294
300	or/295-299

**Database: Cochrane Central Register of Controlled Trials**

#	Searches
1	PREGNANCY/
2	PERIPARTUM PERIOD/
3	PARTURITION/
4	exp LABOR, OBSTETRIC/
5	OBSTETRIC LABOR, PREMATURE/
6	pregnan\$.ti,ab,kw.
7	(labo?r or childbirth or partu\$ or intra?part\$ or peri?part\$).ti,ab,kw.
8	((during or giving or give) adj3 birth?).ti,ab.
9	or/1-8

#	Searches
10	*OBESITY/ or *OBESITY, ABDOMINAL/ or *OBESITY, MORBID/
11	*BODY MASS INDEX/ or *BODY SIZE/ or *OVERWEIGHT/ or *WAIST CIRCUMFERENCE/ or *WAIST-HIP RATIO/
12	body mass index.ti.
13	(obesity or obese or heavy or heavier or overweight or fat\$ or BMI).ti.
14	*ADIPOSE TISSUE/ or *ADIPOSE TISSUE, WHITE/
15	or/10-14
16	exp ASTHMA/
17	asthma\$.ti,ab,kw.
18	BRONCHIAL SPASM/
19	(Bronchospasm? or bronch\$ spasm?).ti,ab,kw.
20	BRONCHOCONSTRICTION/
21	(Bronchoconstrict\$ or bronch\$ constrict\$).ti,ab,kw.
22	or/16-21
23	INTRACRANIAL HEMORRHAGES/
24	SUBARACHNOID HEMORRHAGE/
25	(h?emorrhag\$ adj3 (subarachnoid or intracranial\$)).ab,ti.
26	SAH?.ab,ti.
27	INTRACRANIAL ARTERIOVENOUS MALFORMATIONS/
28	((Intracranial\$ or cerebr\$ or brain?) adj5 (arteriovenous or arterio-venous) adj3 malform\$).ab,ti.
29	(cerebr\$ adj3 malform\$).ab,ti.
30	AVM?.ab,ti.
31	(recurr\$ adj3 h?emorrhag\$).ti,ab.
32	(Cerebr\$ adj3 accident?).ti,ab.
33	cva.ti,ab.
34	HEMIPLEGIA/
35	hemiplegia?.ti,ab,kw.
36	cavernoma?.ti,ab,kw.
37	or/23-36
38	exp STEROIDS/
39	exp ADRENAL CORTEX HORMONES/
40	PREDNISONE/
41	exp PREDNISOLONE/
42	exp HYDROCORTISONE/
43	exp DEXAMETHASONE/
44	or/38-43
45	((stress or rescue or maintenance or increment\$ or boost\$ or supplement\$ or additional\$ or added\$ or increas\$) adj3 (dose? or dosag\$)).ti,ab.
46	((Temporar\$ or short term or physiological\$) adj3 increase\$).ti,ab.
47	or/45-46
48	44 and 47
49	((steroid\$ or corticosteroid? or prednisone or fluprednisolone or methylprednisolone or prednimustine or Hydrocortisone or fludrocortisone or Dexamethasone) adj3 (stress or rescue or maintenance or increment\$ or boost\$ or supplement\$ or additional\$ or added\$ or increas\$ or replace\$ or regimen\$ or long term)).mp.
50	((steroid\$ or corticosteroid? or prednisone or fluprednisolone or methylprednisolone or prednimustine or Hydrocortisone or fludrocortisone or Dexamethasone) adj3 (high\$ adj2 (dose? or level?))).mp.
51	or/48-50
52	exp RENAL INSUFFICIENCY, CHRONIC/
53	((Renal\$ or kidney?) adj5 (disease? or insuffic\$ or fail\$) adj5 (chronic\$ or end-stage?)).ab,ti.

#	Searches
54	CKD.ab,ti.
55	ESRD.ab,ti.
56	Frasier syndrome.ti,ab,kw.
57	exp ACUTE KIDNEY INJURY/
58	((Renal\$ or kidney?) adj5 (injur\$ or insuffic\$ or fail\$) adj5 acute\$).ab,ti.
59	(Kidney adj5 tubular necrosis adj5 acute\$).ab,ti.
60	(Nephrosis adj5 nephron adj5 lower).ab,ti.
61	AKI.ab,ti.
62	KIDNEY TRANSPLANTATION/
63	((kidney? or renal\$) adj3 (transplant\$ or graft\$)).ti,ab.
64	or/52-63
65	PULMONARY VALVE STENOSIS/
66	(pulmonary adj2 stenosis\$).ti,ab.
67	DUCTUS ARTERIOSUS, PATENT/
68	(Patent\$ adj2 ductus arteriosus).ti,ab.
69	MITRAL VALVE PROLAPSE/
70	(mitral valve? adj2 (prolapse? or floppy)).ti,ab.
71	click murmur syndrome?.ti,ab,kw.
72	(Repair\$ adj3 lesion? adj3 (heart? or cardiac)).ti,ab.
73	HEART SEPTAL DEFECTS, ATRIAL/
74	HEART SEPTAL DEFECTS, VENTRICULAR/
75	((atrial or ventricul\$ or intraventricul\$) adj2 septal adj2 defect\$).ti,ab.
76	(persist\$ adj2 ostium primum).ti,ab.
77	anomal\$ pulmonary venous drain\$.ti,ab,kw.
78	exp CARDIAC COMPLEXES, PREMATURE/
79	((Atrial or ventricular or supraventricular) adj2 (ectopic or premature) adj2 (beat? or complex\$ or complice?)).ti,ab.
80	((Atrial or ventricular) adj2 extrasystole?).ti,ab.
81	"TETRALOGY OF FALLOT"/su [Surgery]
82	(tetralogy adj2 Fallot\$ adj10 (repair\$ or surgery)).ti,ab.
83	exp *ARRHYTHMIAS, CARDIAC/
84	(arrhythmia? or dysrhythmia?).ti,ab,kw.
85	(Atrial adj2 (Fibrillation or Flutter)).ti,ab.
86	(Bradycardia? or bradyarrhythmia?).ti,ab,kw.
87	Brugada Syndrome.ti,ab,kw.
88	(premature adj2 (atrial or ventricular) adj2 contraction?).ti,ab.
89	Heart Block.ti,ab,kw.
90	Long QT Syndrome.ti,ab,kw.
91	Parasystole.ti,ab,kw.
92	Pre-Excitation Syndrome?.ti,ab,kw.
93	Tachycardia?.ti,ab,kw.
94	(Ventricular adj2 (Fibrillation or Flutter)).ti,ab.
95	exp CARDIOMYOPATHY, HYPERTROPHIC/
96	(Hypertrophic adj2 cardiomyopath\$).ti,ab.
97	AORTIC VALVE INSUFFICIENCY/
98	MITRAL VALVE INSUFFICIENCY/
99	((mitral or aort\$) adj2 (regurg\$ or incompeten\$)).ti,ab.
100	((mitral or aort\$) adj2 valv\$ adj2 insufficien\$).ti,ab.
101	MARFAN SYNDROME/
102	(Marfan\$ adj2 syndrome).ti,ab.
103	exp AORTIC DISEASES/
104	(aort\$ adj2 (disease? or aneurysm? or ruptur\$)).ti,ab.

#	Searches
105	Aortitis.ti,ab,kw.
106	Loeys-Dietz Syndrome.ti,ab,kw.
107	Leriche Syndrome.ti,ab,kw.
108	AORTIC COARCTATION/su [Surgery]
109	(Coarctation? adj10 (repair\$ or surgery)).ti,ab.
110	HEART VALVE PROSTHESIS/
111	((heart or cardiac) adj3 valve? adj5 (prosthe\$ or mechanical or replace\$)).ti,ab.
112	"TRANSPOSITION OF GREAT VESSELS"/
113	(Transpos\$ adj2 great adj2 (vessels or arteries)).ti,ab.
114	FONTAN PROCEDURE/
115	(Fontan\$ adj2 (circulat\$ or procedure?)).ti,ab.
116	exp CORONARY DISEASE/
117	(Coronary adj2 (disease? or aneurysm? or arterioscleros?s or occlusion? or stenosis? or restenosis? or thrombosis? or vasospasm?)).ti,ab.
118	*HEART DEFECTS, CONGENITAL/
119	Cyanotic heart disease?.ti,ab,kw.
120	(complex\$ adj10 congenital\$ heart disease?).ti,ab.
121	*PULMONARY HYPERTENSION/
122	(Pulmonary adj2 arter\$ adj2 hypertens\$).ti,ab.
123	exp VENTRICULAR DYSFUNCTION/
124	((left or right) adj2 ventric\$ adj2 (impair\$ or systemic\$ or dysfuncti\$)).ti,ab.
125	(systemic\$ adj2 ventric\$ adj2 dysfuncti\$).ti,ab.
126	exp *CARDIOMYOPATHIES/ and TIME FACTORS/
127	(previous\$ adj5 cardiomyopath\$).ti,ab.
128	MITRAL VALVE STENOSIS/
129	(mitral adj2 stenosis?).ti,ab.
130	exp AORTIC VALVE STENOSIS/
131	(aortic\$ adj2 stenosis?).ti,ab.
132	AORTIC COARCTATION/
133	(Coarctation? adj3 aortic\$).ti,ab.
134	or/65-133
135	exp CARDIOMYOPATHIES/
136	cardiomyopath\$.ti,ab,kw.
137	myocardiopath\$.ti,ab,kw.
138	myocardial disease?.ti,ab,kw.
139	PPCM.ti,ab.
140	Arrhythmogenic Right Ventricular Dysplasia.ti,ab,kw.
141	Endocardial Fibroelastosis.ti,ab,kw.
142	(Isolated Noncompaction adj3 Ventricular Myocardium).ti,ab.
143	Endomyocardial Fibrosis.ti,ab,kw.
144	(Glycogen Storage Disease adj3 (Type IIb or type 2b)).ti,ab.
145	((antopol or danon) adj2 disease?).ti,ab.
146	(Kearns\$ adj3 Syndrome).ti,ab.
147	Myocardial Reperfusion Injury.ti,ab,kw.
148	Myocarditis.ti,ab,kw.
149	Carditis.ti,ab,kw.
150	Sarcoglycanopath\$.ti,ab,kw.
151	or/135-150
152	exp BLOOD PLATELET DISORDERS/
153	(Blood Platelet Disorder? or Bernard-Soulier Syndrome or Gray Platelet Syndrome or Platelet Storage Pool Deficiency or Hermanski-Pudlak Syndrome or Thrombasthenia or Thrombocytopenia or Jacobsen Distal 11q Deletion Syndrome or Kasabach-Merritt Syndrome

#	Searches
	or Thrombotic Microangiopath\$ or Hemolytic-Uremic Syndrome or (Purpura adj3 Thrombocytopeni\$) or Glanzmann\$ thrombastenia).ti,ab,kw.
154	HELLP SYNDROME/
155	HELLP.ti,ab.
156	HEMOLYTIC-UREMIC SYNDROME/
157	hemolytic uremic syndrome.ti,ab,kw.
158	LUPUS ERYTHEMATOSUS, SYSTEMIC/
159	systemic lupus erythematosus.ti,ab,kw.
160	ANTIPHOSPHOLIPID SYNDROME/
161	((antiphospholipid or anti-phospholipid) adj3 syndrome?).ti,ab.
162	Evans syndrome.ti,ab,kw.
163	(Platelet adj3 (Disorder? or dysfunction\$) adj10 (infect\$ or human immunodeficiency virus\$ or HIV or parvovirus or (Drug adj3 (relat\$ or due or induced)) or Liver disease?).ti,ab.
164	(Bone marrow suppression or myelotoxic\$ or myelosuppression).ti,ab,kw.
165	exp HEMORRHAGIC DISORDERS/
166	(Hemorrhagic Disorder? or Afibrinogenemia or Bernard-Soulier Syndrome or Disseminated Intravascular Coagulation or Factor V Deficien\$ or Factor VII Deficien\$ or Factor X Deficien\$ or Factor XI Deficien\$ or Factor XII Deficien\$ or Factor XIII Deficien\$ or H?emophilia? or Hemostatic Disorder? or Cryoglobulinemia or Ehlers-Danlos Syndrome or (Hemangioma? adj3 Cavernous) or Multiple Myeloma or Pseudoxanthoma Elasticum or (Purpura adj3 Hyperglobulinemic) or (Purpura adj3 Schoenlein-Henoch) or Scurvy or Shwartzman Phenomenon or (Telangiectasia adj3 Heredit\$) or Waldenstrom Macroglobulinemia or Hypoprothrombinemia? or (Prothrombin adj3 Deficien\$) or Platelet Storage Pool Deficien\$ or Hermanski-Pudlak Syndrome or (Purpura adj3 Thrombocytopeni\$) or Thrombasthenia or Thrombocythemia or Vitamin K Deficien\$ or von Willebrand Disease? or Waterhouse-Friderichsen Syndrome or Wiskott-Aldrich Syndrome or (Fibrinogen adj3 Deficien\$) or Dysfibrinogenemia or Hypofibrinogenemia).ti,ab,kw.
167	exp BLOOD COAGULATION DISORDERS, INHERITED/
168	((Blood Coagulation Disorder? adj3 Inherit\$) or Activated Protein C Resistan\$ or Antithrombin III Deficien\$ or Protein C Deficien\$).ti,ab.
169	PREGNANCY COMPLICATIONS, HEMATOLOGIC/
170	or/152-169
171	15 or 22 or 37 or 51 or 64 or 134 or 151 or 170
172	9 and 171
173	PREGNANCY, HIGH-RISK/
174	(pregnan\$ adj3 high\$ adj3 risk\$).ab,ti.
175	(pregnan\$ adj10 (exist\$ or preexist\$) adj5 condition?).ab,ti.
176	or/173-175
177	PREGNANCY COMPLICATIONS, CARDIOVASCULAR/
178	PREGNANCY COMPLICATIONS, HEMATOLOGIC/
179	172 or 176 or 177 or 178
180	HEALTH EDUCATION/
181	exp CONSUMER HEALTH INFORMATION/
182	PATIENT EDUCATION AS TOPIC/
183	exp PARENTS/ed [education]
184	INFORMATION SEEKING BEHAVIOR/
185	POSTERS AS TOPIC/
186	PUBLICATIONS/
187	GOVERNMENT PUBLICATIONS AS TOPIC/
188	PAMPHLETS/
189	INTERNET/
190	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 educat\$).ti.

#	Searches
191	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 educat\$).ab. /freq=2
192	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 informat\$).ti,ab.
193	((pamphlet? or leaflet? or booklet? or manual\$ or brochure? or publication? or handout? or written or website? or web site? or web page? or webpage? or web based or video? or dvd? or online? or internet? or app? or application?) adj5 (informat\$ or educat\$)).ti,ab.
194	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj5 (pamphlet? or leaflet? or booklet? or manual? or brochure? or publication? or handout? or written or website? or web site? or web page? or webpage? or web based or video? or dvd? or online? or internet? or app? or application?)).ti,ab.
195	(informat\$ adj3 (model? or program\$ or need? or requir\$ or seek\$ or access\$ or dissem\$ or shar\$ or provision)).ti,ab.
196	(informat\$ adj3 provid\$).ti.
197	(informat\$ adj3 provid\$).ab.
198	informat\$.ab. /freq=2
199	197 and 198
200	(informat\$ adj3 (help\$ or support\$ or benefi\$ or hinder\$ or hindran\$ or barrier? or facilitat\$ or practical\$ or clear\$ or accurat\$)).ti,ab.
201	(informat\$ adj3 (type? or content? or method? or quality)).ti,ab.
202	((additional or extra or added or further) adj3 informat\$).ti,ab.
203	((time? or timing or when or prompt\$) adj3 informat\$).ti,ab.
204	((give? or giving or gave) adj3 informat\$).ti,ab.
205	(informat\$ adj3 (hospital? or service? or resource? or red flag? or emergency care or contact?)).ti,ab.
206	patient education handout.pt.
207	180 or 181 or 182 or 183 or 184 or 185 or 186 or 187 or 188 or 189 or 190 or 191 or 192 or 193 or 194 or 195 or 196 or 199 or 200 or 201 or 202 or 203 or 204 or 205 or 206
208	PATIENT CARE PLANNING/
209	CRITICAL PATHWAY/
210	CLINICAL PROTOCOLS/
211	or/208-210
212	informat\$.ti,ab.
213	211 and 212
214	(informat\$ adj3 (care plan\$ or pathway? or protocol?)).ti,ab.
215	or/213-214
216	COMMUNICATION BARRIERS/
217	((communicat\$ or language?) adj3 (barrier? or facilitat\$)).ti,ab.
218	(communicat\$ adj3 (help\$ or unhelp\$ or un-help\$ or encourag\$ or prevent\$ or good or bad\$ or effect\$ or ineffect\$ or in-effect\$ or poor\$ or difficult\$)).ti,ab.
219	(communicat\$ adj3 (time? or timing? or initiat\$)).ti,ab.
220	TRANSLATING/
221	(translat\$ adj7 (communicat\$ or language? or informat\$)).ti,ab.
222	or/216-221
223	207 or 215 or 222
224	179 and 223
225	*PREGNANCY COMPLICATIONS/
226	informat\$.ti.
227	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 informat\$).ab.
228	or/226-227
229	225 and 228

#	Searches
230	PERINATAL CARE/
231	PRENATAL EDUCATION/
232	or/230-231
233	207 and 232
234	PRENATAL CARE/
235	192 and 234
236	224 or 229 or 233 or 235

**Database: Cochrane Database of Systematic Reviews**

#	Searches
1	PREGNANCY.kw.
2	PERIPARTUM PERIOD.kw.
3	PARTURITION.kw.
4	LABOR, OBSTETRIC.kw.
5	OBSTETRIC LABOR, PREMATURE.kw.
6	pregnan\$.ti,ab.
7	(labo?r or childbirth or partu\$ or intra?part\$ or peri?part\$).ti,ab.
8	((during or giving or give) adj3 birth?).ti,ab.
9	or/1-8
10	(OBESITY or OBESITY, ABDOMINAL or OBESITY, MORBID).kw.
11	(BODY MASS INDEX or BODY SIZE or OVERWEIGHT or WAIST CIRCUMFERENCE or WAIST-HIP RATIO).kw.
12	body mass index.ti.
13	(obesity or obese or heavy or heavier or overweight or fat\$ or BMI).ti.
14	(ADIPOSE TISSUE or ADIPOSE TISSUE, WHITE).kw.
15	or/10-14
16	ASTHMA.kw.
17	asthma\$.ti,ab.
18	BRONCHIAL SPASM.kw.
19	(Bronchospasm? or bronch\$ spasm?).ti,ab.
20	BRONCHOCONSTRICTION.kw.
21	(Bronchoconstrict\$ or bronch\$ constrict\$).ti,ab.
22	or/16-21
23	INTRACRANIAL HEMORRHAGES.kw.
24	SUBARACHNOID HEMORRHAGE.kw.
25	(h?emorrhag\$ adj3 (subarachnoid or intracranial\$)).ab,ti.
26	SAH?.ab,ti.
27	INTRACRANIAL ARTERIOVENOUS MALFORMATIONS.kw.
28	((Intracranial\$ or cerebr\$ or brain?) adj5 (arteriovenous or arterio-venous) adj3 malform\$).ab,ti.
29	(cerebr\$ adj3 malform\$).ab,ti.
30	AVM?.ab,ti.
31	(recurr\$ adj3 h?emorrhag\$).ti,ab.
32	(Cerebr\$ adj3 accident?).ti,ab.
33	cva.ti,ab.
34	HEMIPLEGIA.kw.
35	hemiplegia?.ti,ab.
36	cavernoma?.ti,ab.
37	or/23-36
38	STEROIDS.kw.
39	ADRENAL CORTEX HORMONES.kw.

#	Searches
40	PREDNISON.kw.
41	PREDNISOLONE.kw.
42	HYDROCORTISONE.kw.
43	DEXAMETHASONE.kw.
44	or/38-43
45	((stress or rescue or maintenance or increment\$ or boost\$ or supplement\$ or additional\$ or added\$ or increas\$) adj3 (dose? or dosag\$)).ti,ab.
46	((Temporar\$ or short term or physiological\$) adj3 increase\$).ti,ab.
47	or/45-46
48	44 and 47
49	((steroid\$ or corticosteroid? or prednisone or fluprednisolone or methylprednisolone or prednimustine or Hydrocortisone or fludrocortisone or Dexamethasone) adj3 (stress or rescue or maintenance or increment\$ or boost\$ or supplement\$ or additional\$ or added\$ or increas\$ or replace\$ or regimen\$ or long term)).mp.
50	((steroid\$ or corticosteroid? or prednisone or fluprednisolone or methylprednisolone or prednimustine or Hydrocortisone or fludrocortisone or Dexamethasone) adj3 (high\$ adj2 (dose? or level?))).mp.
51	or/48-50
52	RENAL INSUFFICIENCY, CHRONIC.kw.
53	((Renal\$ or kidney?) adj5 (disease? or insuffic\$ or fail\$) adj5 (chronic\$ or end-stage?)).ab,ti.
54	CKD.ab,ti.
55	ESRD.ab,ti.
56	Frasier syndrome.ti,ab.
57	ACUTE KIDNEY INJURY.kw.
58	((Renal\$ or kidney?) adj5 (injur\$ or insuffic\$ or fail\$) adj5 acute\$).ab,ti.
59	(Kidney adj5 tubular necrosis adj5 acute\$).ab,ti.
60	(Nephrosis adj5 nephron adj5 lower).ab,ti.
61	AKI.ab,ti.
62	KIDNEY TRANSPLANTATION.kw.
63	((kidney? or renal\$) adj3 (transplant\$ or graft\$)).ti,ab.
64	or/52-63
65	PULMONARY VALVE STENOSIS.kw.
66	(pulmonary adj2 stenosis\$).ti,ab.
67	DUCTUS ARTERIOSUS, PATENT.kw.
68	(Paten\$ adj2 ductus arteriosus).ti,ab.
69	MITRAL VALVE PROLAPSE.kw.
70	(mitral valve? adj2 (prolapse? or floppy)).ti,ab.
71	click murmur syndrome?.ti,ab.
72	(Repair\$ adj3 lesion? adj3 (heart? or cardiac)).ti,ab.
73	HEART SEPTAL DEFECTS, ATRIAL.kw.
74	HEART SEPTAL DEFECTS, VENTRICULAR.kw.
75	((atrial or ventricul\$ or intraventricul\$) adj2 septal adj2 defect\$).ti,ab.
76	(persist\$ adj2 ostium primum).ti,ab.
77	anomal\$ pulmonary venous drain\$.ti,ab.
78	CARDIAC COMPLEXES, PREMATURE.kw.
79	((Atrial or ventricular or supraventricular) adj2 (ectopic or premature) adj2 (beat? or complex\$ or complice?)).ti,ab.
80	((Atrial or ventricular) adj2 extrasystole?).ti,ab.
81	"TETRALOGY OF FALLOT".kw.
82	(tetralogy adj2 Fallot\$ adj10 (repair\$ or surgery)).ti,ab.
83	ARRHYTHMIAS, CARDIAC.kw.
84	(arrhythmia? or dysrhythmia?).ti,ab.

#	Searches
85	(Atrial adj2 (Fibrillation or Flutter)).ti,ab.
86	(Bradycardia? or bradyarrhythmia?).ti,ab.
87	Brugada Syndrome.ti,ab.
88	(premature adj2 (atrial or ventricular) adj2 contraction?).ti,ab.
89	Heart Block.ti,ab.
90	Long QT Syndrome.ti,ab.
91	Parasystole.ti,ab.
92	Pre-Excitation Syndrome?.ti,ab.
93	Tachycardia?.ti,ab.
94	(Ventricular adj2 (Fibrillation or Flutter)).ti,ab.
95	CARDIOMYOPATHY, HYPERTROPHIC.kw.
96	(Hypertrophic adj2 cardiomyopath\$).ti,ab.
97	AORTIC VALVE INSUFFICIENCY.kw.
98	MITRAL VALVE INSUFFICIENCY.kw.
99	((mitral or aort\$) adj2 (regurg\$ or incompeten\$)).ti,ab.
100	((mitral or aort\$) adj2 valv\$ adj2 insufficien\$).ti,ab.
101	MARFAN SYNDROME.kw.
102	(Marfan\$ adj2 syndrome).ti,ab.
103	AORTIC DISEASES.kw.
104	(aort\$ adj2 (disease? or aneurysm? or ruptur\$)).ti,ab.
105	Aortitis.ti,ab.
106	Loeys-Dietz Syndrome.ti,ab.
107	Leriche Syndrome.ti,ab.
108	AORTIC COARCTATION.kw.
109	(Coarctation? adj10 (repair\$ or surgery)).ti,ab.
110	HEART VALVE PROSTHESIS.kw.
111	((heart or cardiac) adj3 valve? adj5 (prosth\$ or mechanical or replace\$)).ti,ab.
112	"TRANSPOSITION OF GREAT VESSELS".kw.
113	(Transpos\$ adj2 great adj2 (vessels or arteries)).ti,ab.
114	FONTAN PROCEDURE.kw.
115	(Fontan\$ adj2 (circulat\$ or procedure?)).ti,ab.
116	CORONARY DISEASE.kw.
117	(Coronary adj2 (disease? or aneurysm? or arterioscleros?s or occlusion? or stenos?s or restenos?s or thrombos?s or vasospasm?)).ti,ab.
118	HEART DEFECTS, CONGENITAL.kw.
119	Cyanotic heart disease?.ti,ab.
120	(complex\$ adj10 congenital\$ heart disease?).ti,ab.
121	PULMONARY HYPERTENSION.kw.
122	(Pulmonary adj2 arter\$ adj2 hypertens\$).ti,ab.
123	VENTRICULAR DYSFUNCTION.kw.
124	((left or right) adj2 ventric\$ adj2 (impair\$ or systemic\$ or dysfuncti\$)).ti,ab.
125	(systemic\$ adj2 ventric\$ adj2 dysfuncti\$).ti,ab.
126	(CARDIOMYOPATHIES and TIME FACTORS).kw.
127	(previous\$ adj5 cardiomyopath\$).ti,ab.
128	MITRAL VALVE STENOSIS.kw.
129	(mitral adj2 stenos?s).ti,ab.
130	AORTIC VALVE STENOSIS.kw.
131	(aort\$ adj2 stenos?s).ti,ab.
132	AORTIC COARCTATION.kw.
133	(Coarctation? adj3 aort\$).ti,ab.
134	or/65-133
135	CARDIOMYOPATHIES.kw.

#	Searches
136	cardiomyopath\$.ti,ab.
137	myocardiopath\$.ti,ab.
138	myocardial disease?.ti,ab.
139	PPCM.ti,ab.
140	Arrhythmic Right Ventricular Dysplasia.ti,ab.
141	Endocardial Fibroelastos?s.ti,ab.
142	(Isolated Noncompaction adj3 Ventricular Myocardium).ti,ab.
143	Endomyocardial Fibros?s.ti,ab.
144	(Glycogen Storage Disease adj3 (Type IIb or type 2b)).ti,ab.
145	((antopol or danon) adj2 disease?).ti,ab.
146	(Kearn\$ adj3 Syndrome).ti,ab.
147	Myocardial Reperfusion Injur\$.ti,ab.
148	Myocarditi\$.ti,ab.
149	Carditis.ti,ab.
150	Sarcoglycanopath\$.ti,ab.
151	or/135-150
152	BLOOD PLATELET DISORDERS.kw.
153	(Blood Platelet Disorder? or Bernard-Soulier Syndrome or Gray Platelet Syndrome or Platelet Storage Pool Deficien\$ or Hermanski-Pudlak Syndrome or Thrombasthenia or Thrombocytopeni\$ or Jacobsen Distal 11q Deletion Syndrome or Kasabach-Merritt Syndrome or Thrombotic Microangiopath\$ or Hemolytic-Uremic Syndrome or (Purpura adj3 Thrombocytopeni\$) or Glanzmann\$ thrombastenia).ti,ab.
154	HELLP SYNDROME.kw.
155	HELLP.ti,ab.
156	HEMOLYTIC-UREMIC SYNDROME.kw.
157	hemolytic uremic syndrome.ti,ab.
158	LUPUS ERYTHEMATOSUS, SYSTEMIC.kw.
159	systemic lupus erythematosus.ti,ab.
160	ANTIPHOSPHOLIPID SYNDROME.kw.
161	((antiphospholipid or anti-phospholipid) adj3 syndrome?).ti,ab.
162	Evans syndrome.ti,ab.
163	(Platelet adj3 (Disorder? or dysfunction\$) adj10 (infect\$ or human immunodeficiency virus\$ or HIV or parvovirus or (Drug adj3 (relat\$ or due or induced)) or Liver disease?).ti,ab.
164	(Bone marrow suppression or myelotoxic\$ or myelosuppression).ti,ab.
165	HEMORRHAGIC DISORDERS.kw.
166	(Hemorrhagic Disorder? or Afibrinogenemia or Bernard-Soulier Syndrome or Disseminated Intravascular Coagulation or Factor V Deficien\$ or Factor VII Deficien\$ or Factor X Deficien\$ or Factor XI Deficien\$ or Factor XII Deficien\$ or Factor XIII Deficien\$ or H?emophilia? or Hemostatic Disorder? or Cryoglobulinemia or Ehlers-Danlos Syndrome or (Hemangioma? adj3 Cavernous) or Multiple Myeloma or Pseudoxanthoma Elasticum or (Purpura adj3 Hyperglobulinemic) or (Purpura adj3 Schoenlein-Henoch) or Scurvy or Schwartzman Phenomenon or (Telangiectasia adj3 Heredit\$) or Waldenstrom Macroglobulinemia or Hypoprothrombinemia? or (Prothrombin adj3 Deficien\$) or Platelet Storage Pool Deficien\$ or Hermanski-Pudlak Syndrome or (Purpura adj3 Thrombocytopeni\$) or Thrombasthenia or Thrombocythemia or Vitamin K Deficien\$ or von Willebrand Disease? or Waterhouse-Friderichsen Syndrome or Wiskott-Aldrich Syndrome or (Fibrinogen adj3 Deficien\$) or Dysfibrinogenemia or Hypofibrinogenemia).ti,ab.
167	BLOOD COAGULATION DISORDERS, INHERITED.kw.
168	((Blood Coagulation Disorder? adj3 Inherit\$) or Activated Protein C Resistan\$ or Antithrombin III Deficien\$ or Protein C Deficien\$).ti,ab.
169	PREGNANCY COMPLICATIONS, HEMATOLOGIC.kw.
170	or/152-169
171	15 or 22 or 37 or 51 or 64 or 134 or 151 or 170

#	Searches
172	9 and 171
173	PREGNANCY, HIGH-RISK.kw.
174	(pregnan\$ adj3 high\$ adj3 risk\$).ab,ti.
175	(pregnan\$ adj10 (exist\$ or preexist\$) adj5 condition?).ab,ti.
176	or/173-175
177	PREGNANCY COMPLICATIONS, CARDIOVASCULAR.kw.
178	PREGNANCY COMPLICATIONS, HEMATOLOGIC.kw.
179	172 or 176 or 177 or 178
180	HEALTH EDUCATION.kw.
181	CONSUMER HEALTH INFORMATION.kw.
182	PATIENT EDUCATION AS TOPIC.kw.
183	(PARENTS and EDUCATION).kw.
184	INFORMATION SEEKING BEHAVIOR.kw.
185	POSTERS AS TOPIC.kw.
186	PUBLICATIONS.kw.
187	GOVERNMENT PUBLICATIONS AS TOPIC.kw.
188	PAMPHLETS.kw.
189	INTERNET.kw.
190	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 educat\$).ti.
191	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 educat\$).ab. /freq=2
192	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 informat\$).ti,ab.
193	((pamphlet? or leaflet? or booklet? or manual\$ or brochure? or publication? or handout? or written or website? or web site? or web page? or webpage? or web based or video? or dvd? or online? or internet? or app? or application?) adj5 (informat\$ or educat\$)).ti,ab.
194	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj5 (pamphlet? or leaflet? or booklet? or manual? or brochure? or publication? or handout? or written or website? or web page? or webpage? or web based or video? or dvd? or online? or internet? or app? or application?)).ti,ab.
195	(informat\$ adj3 (model? or program\$ or need? or requir\$ or seek\$ or access\$ or dissem\$ or shar\$ or provision)).ti,ab.
196	(informat\$ adj3 provid\$).ti.
197	(informat\$ adj3 provid\$).ab.
198	informat\$.ab. /freq=2
199	197 and 198
200	(informat\$ adj3 (help\$ or support\$ or benefi\$ or hinder\$ or hindran\$ or barrier? or facilitat\$ or practical\$ or clear\$ or accurat\$)).ti,ab.
201	(informat\$ adj3 (type? or content? or method? or quality)).ti,ab.
202	((additional or extra or added or further) adj3 informat\$).ti,ab.
203	((time? or timing or when or prompt\$) adj3 informat\$).ti,ab.
204	((give? or giving or gave) adj3 informat\$).ti,ab.
205	(informat\$ adj3 (hospital? or service? or resource? or red flag? or emergency care or contact?)).ti,ab.
206	patient education handout.pt.
207	180 or 181 or 182 or 183 or 184 or 185 or 186 or 187 or 188 or 189 or 190 or 191 or 192 or 193 or 194 or 195 or 196 or 199 or 200 or 201 or 202 or 203 or 204 or 205 or 206
208	PATIENT CARE PLANNING.kw.
209	CRITICAL PATHWAY.kw.
210	CLINICAL PROTOCOLS.kw.
211	or/208-210

DRAFT FOR CONSULTATION

Intrapartum care for women with existing medical conditions or obstetric complications and their babies

#	Searches
212	informat\$.ti,ab.
213	211 and 212
214	(informat\$ adj3 (care plan\$ or pathway? or protocol?)).ti,ab.
215	or/213-214
216	COMMUNICATION BARRIERS.kw.
217	((communicat\$ or language?) adj3 (barrier? or facilitat\$)).ti,ab.
218	(communicat\$ adj3 (help\$ or unhelp\$ or un-help\$ or encourag\$ or prevent\$ or good or bad\$ or effect\$ or ineffect\$ or in-effect\$ or poor\$ or difficult\$)).ti,ab.
219	(communicat\$ adj3 (time? or timing? or initiat\$)).ti,ab.
220	TRANSLATING.kw.
221	(translat\$ adj7 (communicat\$ or language? or informat\$)).ti,ab.
222	or/216-221
223	207 or 215 or 222
224	179 and 223
225	PREGNANCY COMPLICATIONS.kw.
226	informat\$.ti.
227	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 informat\$.ab.
228	or/226-227
229	225 and 228
230	PERINATAL CARE.kw.
231	PRENATAL EDUCATION.kw.
232	or/230-231
233	207 and 232
234	PRENATAL CARE.kw.
235	192 and 234
236	224 or 229 or 233 or 235

**Database: Database of Abstracts of Reviews of Effects**

#	Searches
1	PREGNANCY.kw.
2	PERIPARTUM PERIOD.kw.
3	PARTURITION.kw.
4	LABOR, OBSTETRIC.kw.
5	OBSTETRIC LABOR, PREMATURE.kw.
6	pregnan\$.tw,tx.
7	(labo?r or childbirth or partu\$ or intra?part\$ or peri?part\$).tw,tx.
8	((during or giving or give) adj3 birth?).tw,tx.
9	or/1-8
10	(OBESITY or OBESITY, ABDOMINAL or OBESITY, MORBID).kw.
11	(BODY MASS INDEX or BODY SIZE or OVERWEIGHT or WAIST CIRCUMFERENCE or WAIST-HIP RATIO).kw.
12	body mass index.tw,tx.
13	(obesity or obese or heavy or heavier or overweight or fat\$ or BMI).tw,tx.
14	(ADIPOSE TISSUE or ADIPOSE TISSUE, WHITE).kw.
15	or/10-14
16	ASTHMA.kw.
17	asthma\$.tw,tx.
18	BRONCHIAL SPASM.kw.
19	(Bronchospasm? or bronch\$ spasm?).tw,tx.
20	BRONCHOCONSTRICTION.kw.
21	(Bronchoconstrict\$ or bronch\$ constrict\$).tw,tx.

#	Searches
22	or/16-21
23	INTRACRANIAL HEMORRHAGES.kw.
24	SUBARACHNOID HEMORRHAGE.kw.
25	(h?emorrhag\$ adj3 (subarachnoid or intracranial\$)).tw,tx.
26	SAH?.tw,tx.
27	INTRACRANIAL ARTERIOVENOUS MALFORMATIONS.kw.
28	((Intracranial\$ or cerebr\$ or brain?) adj5 (arteriovenous or arterio-venous) adj3 malform\$).tw,tx.
29	(cerebr\$ adj3 malform\$).tw,tx.
30	AVM?.tw,tx.
31	(recurr\$ adj3 h?emorrhag\$).tw,tx.
32	(Cerebr\$ adj3 accident?).tw,tx.
33	cva.tw,tx.
34	HEMIPLEGIA.kw.
35	hemiplegia?.tw,tx.
36	cavernoma?.tw,tx.
37	or/23-36
38	STEROIDS.kw.
39	ADRENAL CORTEX HORMONES.kw.
40	PREDNISON.kw.
41	PREDNISOLONE.kw.
42	HYDROCORTISONE.kw.
43	DEXAMETHASONE.kw.
44	or/38-43
45	((stress or rescue or maintenance or increment\$ or boost\$ or supplement\$ or additional\$ or added\$ or increas\$) adj3 (dose? or dosag\$)).tw,tx.
46	((Temporar\$ or short term or physiological\$) adj3 increase\$).tw,tx.
47	or/45-46
48	44 and 47
49	((steroid\$ or corticosteroid? or prednisone or fluprednisolone or methylprednisolone or prednimustine or Hydrocortisone or fludrocortisone or Dexamethasone) adj3 (stress or rescue or maintenance or increment\$ or boost\$ or supplement\$ or additional\$ or added\$ or increas\$ or replace\$ or regimen\$ or long term)).tw,tx.
50	((steroid\$ or corticosteroid? or prednisone or fluprednisolone or methylprednisolone or prednimustine or Hydrocortisone or fludrocortisone or Dexamethasone) adj3 (high\$ adj2 (dose? or level?))).tw,tx.
51	or/48-50
52	RENAL INSUFFICIENCY, CHRONIC.kw.
53	((Renal\$ or kidney?) adj5 (disease? or insuffic\$ or fail\$) adj5 (chronic\$ or end-stage?)).tw,tx.
54	CKD.tw,tx.
55	ESRD.tw,tx.
56	Frasier syndrome.tw,tx.
57	ACUTE KIDNEY INJURY.kw.
58	((Renal\$ or kidney?) adj5 (injur\$ or insuffic\$ or fail\$) adj5 acute\$).tw,tx.
59	(Kidney adj5 tubular necrosis adj5 acute\$).tw,tx.
60	(Nephrosis adj5 nephron adj5 lower).tw,tx.
61	AKI.tw,tx.
62	KIDNEY TRANSPLANTATION.kw.
63	((kidney? or renal\$) adj3 (transplant\$ or graft\$)).tw,tx.
64	or/52-63
65	PULMONARY VALVE STENOSIS.kw.
66	(pulmonary adj2 stenosis\$).tw,tx.

#	Searches
67	DUCTUS ARTERIOSUS, PATENT.kw.
68	(Paten\$ adj2 ductus arteriosus).tw,tx.
69	MITRAL VALVE PROLAPSE.kw.
70	(mitral valve? adj2 (prolapse? or floppy)).tw,tx.
71	click murmur syndrome?.tw,tx.
72	(Repair\$ adj3 lesion? adj3 (heart? or cardiac)).tw,tx.
73	HEART SEPTAL DEFECTS, ATRIAL.kw.
74	HEART SEPTAL DEFECTS, VENTRICULAR.kw.
75	((atrial or ventricul\$ or intraventricul\$) adj2 septal adj2 defect\$).tw,tx.
76	(persist\$ adj2 ostium primum).tw,tx.
77	anomal\$ pulmonary venous drain\$.tw,tx.
78	CARDIAC COMPLEXES, PREMATURE.kw.
79	((Atrial or ventricular or supraventricular) adj2 (ectopic or premature) adj2 (beat? or complex\$ or complce?)).tw,tx.
80	((Atrial or ventricular) adj2 extrasystole?).tw,tx.
81	"TETRALOGY OF FALLOT".kw.
82	(tetralogy adj2 FalLOT\$ adj10 (repair\$ or surgery)).tw,tx.
83	ARRHYTHMIAS, CARDIAC.kw.
84	(arrhythmia? or dysrhythmia?).tw,tx.
85	(Atrial adj2 (Fibrillation or Flutter)).tw,tx.
86	(Bradycardia? or bradyarrhythmia?).tw,tx.
87	Brugada Syndrome.tw,tx.
88	(premature adj2 (atrial or ventricular) adj2 contraction?).tw,tx.
89	Heart Block.tw,tx.
90	Long QT Syndrome.tw,tx.
91	Parasystole.tw,tx.
92	Pre-Excitation Syndrome?.tw,tx.
93	Tachycardia?.tw,tx.
94	(Ventricular adj2 (Fibrillation or Flutter)).tw,tx.
95	CARDIOMYOPATHY, HYPERTROPHIC.kw.
96	(Hypertrophic adj2 cardiomyopath\$).tw,tx.
97	AORTIC VALVE INSUFFICIENCY.kw.
98	MITRAL VALVE INSUFFICIENCY.kw.
99	((mitral or aort\$) adj2 (regurg\$ or incompeten\$)).tw,tx.
100	((mitral or aort\$) adj2 valv\$ adj2 insufficien\$).tw,tx.
101	MARFAN SYNDROME.kw.
102	(Marfan\$ adj2 syndrome).tw,tx.
103	AORTIC DISEASES.kw.
104	(aort\$ adj2 (disease? or aneurysm? or ruptur\$)).tw,tx.
105	Aortitis.tw,tx.
106	Loeys-Dietz Syndrome.tw,tx.
107	Leriche Syndrome.tw,tx.
108	AORTIC COARCTATION.kw.
109	(Coarctation? adj10 (repair\$ or surgery)).tw,tx.
110	HEART VALVE PROSTHESIS.kw.
111	((heart or cardiac) adj3 valve? adj5 (prosthe\$ or mechanical or replace\$)).tw,tx.
112	"TRANSPOSITION OF GREAT VESSELS".kw.
113	(Transpos\$ adj2 great adj2 (vessels or arteries)).tw,tx.
114	FONTAN PROCEDURE.kw.
115	(Fontan\$ adj2 (circulat\$ or procedure?)).tw,tx.
116	CORONARY DISEASE.kw.

#	Searches
117	(Coronary adj2 (disease? or aneurysm? or arterioscleros?s or occlusion? or stenos?s or restenos?s or thrombos?s or vasospasm?)).tw,tx.
118	HEART DEFECTS, CONGENITAL.kw.
119	Cyanotic heart disease?.tw,tx.
120	(complex\$ adj10 congenital\$ heart disease?).tw,tx.
121	PULMONARY HYPERTENSION.kw.
122	(Pulmonary adj2 arter\$ adj2 hypertens\$).tw,tx.
123	VENTRICULAR DYSFUNCTION.kw.
124	((left or right) adj2 ventric\$ adj2 (impair\$ or systemic\$ or dysfuncti\$)).tw,tx.
125	(systemic\$ adj2 ventric\$ adj2 dysfuncti\$).tw,tx.
126	(CARDIOMYOPATHIES and TIME FACTORS).kw.
127	(previous\$ adj5 cardiomyopath\$).tw,tx.
128	MITRAL VALVE STENOSIS.kw.
129	(mitral adj2 stenos?s).tw,tx.
130	AORTIC VALVE STENOSIS.kw.
131	(aort\$ adj2 stenos?s).tw,tx.
132	AORTIC COARCTATION.kw.
133	(Coarctation? adj3 aort\$).tw,tx.
134	or/65-133
135	CARDIOMYOPATHIES.kw.
136	cardiomyopath\$.tw,tx.
137	myocardiopath\$.tw,tx.
138	myocardial disease?.tw,tx.
139	PPCM.tw,tx.
140	Arrhythmogenic Right Ventricular Dysplasia.tw,tx.
141	Endocardial Fibroelastos?s.tw,tx.
142	(Isolated Noncompaction adj3 Ventricular Myocardium).tw,tx.
143	Endomyocardial Fibros?s.tw,tx.
144	(Glycogen Storage Disease adj3 (Type IIb or type 2b)).tw,tx.
145	((antopol or danon) adj2 disease?).tw,tx.
146	(Kearn\$ adj3 Syndrome).tw,tx.
147	Myocardial Reperfusion Injur\$.tw,tx.
148	Myocarditi\$.tw,tx.
149	Carditis.tw,tx.
150	Sarcoglycanopath\$.tw,tx.
151	or/135-150
152	HEMATOLOGIC DISEASES.kw.
153	(h?ematolog\$ adj3 (disease? or disorder?)).tw,tx.
154	BLOOD COAGULATION DISORDERS.kw.
155	(blood adj3 coagula\$ adj3 (disease? or disorder?)).tw,tx.
156	(Coagulation Protein Disorder? or Disseminated Intravascular Coagulation or Ecchymosis or Platelet Storage Pool Deficien\$ or Protein S Deficien\$ or Purpura or Thrombocythemia or Vitamin K Deficien\$).tw,tx.
157	BLOOD PLATELET DISORDERS.kw.
158	(blood adj3 platelet\$ adj3 (disease? or disorder?)).tw,tx.
159	(Bernard-Soulier Syndrome or Gray Platelet Syndrome or Platelet Storage Pool Deficienc\$ or Thrombasthenia or Thrombocytopenia or Thrombocytosis or von Willebrand Disease?).tw,tx.
160	or/152-159
161	15 or 22 or 37 or 51 or 64 or 134 or 151 or 160
162	9 and 161
163	PREGNANCY, HIGH-RISK.kw.
164	(pregnan\$ adj3 high\$ adj3 risk\$).tw,tx.

#	Searches
165	(pregnan\$ adj10 (exist\$ or preexist\$) adj5 condition?).tw,tx.
166	or/163-165
167	PREGNANCY COMPLICATIONS, CARDIOVASCULAR.kw.
168	PREGNANCY COMPLICATIONS, HEMATOLOGIC.kw.
169	162 or 166 or 167 or 168
170	HEALTH EDUCATION.kw.
171	CONSUMER HEALTH INFORMATION.kw.
172	PATIENT EDUCATION AS TOPIC.kw.
173	(PARENTS and EDUCATION).kw.
174	INFORMATION SEEKING BEHAVIOR.kw.
175	POSTERS AS TOPIC.kw.
176	PUBLICATIONS.kw.
177	GOVERNMENT PUBLICATIONS AS TOPIC.kw.
178	PAMPHLETS.kw.
179	INTERNET.kw.
180	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 educat\$.ti.
181	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 informat\$.ti.
182	((pamphlet? or leaflet? or booklet? or manual\$ or brochure? or publication? or handout? or written or website? or web site? or web page? or webpage? or web based or video? or dvd? or online? or internet? or app? or application?) adj5 (informat\$ or educat\$)).ti.
183	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj5 (pamphlet? or leaflet? or booklet? or manual? or brochure? or publication? or handout? or written or website? or web site? or web page? or webpage? or web based or video? or dvd? or online? or internet? or app? or application?)).ti.
184	(informat\$ adj3 (model? or program\$ or need? or requir\$ or seek\$ or access\$ or dissem\$ or shar\$ or provision)).ti.
185	(informat\$ adj3 provid\$.ti.
186	(informat\$ adj3 (help\$ or support\$ or benefi\$ or hinder\$ or hindran\$ or barrier? or facilitat\$ or practical\$ or clear\$ or accurat\$)).ti.
187	(informat\$ adj3 (type? or content? or method? or quality)).ti.
188	((additional or extra or added or further) adj3 informat\$.ti.
189	((time? or timing or when or prompt\$) adj3 informat\$.tw,tx.
190	((give? or giving or gave) adj3 informat\$.tw,tx.
191	(informat\$ adj3 (hospital? or service? or resource? or red flag? or emergency care or contact?)).ti.
192	or/170-191
193	PATIENT CARE PLANNING.kw.
194	CRITICAL PATHWAY.kw.
195	CLINICAL PROTOCOLS.kw.
196	or/193-195
197	informat\$.tw,tx.
198	196 and 197
199	(informat\$ adj3 (care plan\$ or pathway? or protocol?)).tw,tx.
200	or/198-199
201	COMMUNICATION BARRIERS.kw.
202	((communicat\$ or language?) adj3 (barrier? or facilitat\$)).tw,tx.
203	(communicat\$ adj3 (help\$ or unhelp\$ or un-help\$ or encourag\$ or prevent\$ or good or bad\$ or effect\$ or ineffect\$ or in-effect\$ or poor\$ or difficult\$)).tw,tx.
204	(communicat\$ adj3 (time? or timing? or initiat\$)).tw,tx.
205	TRANSLATING.kw.

#	Searches
206	(translat\$ adj7 (communicat\$ or language? or informat\$)).tw,tx.
207	or/201-206
208	192 or 200 or 207
209	169 and 208
210	PREGNANCY COMPLICATIONS.kw.
211	informat\$.ti.
212	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 informat\$).tw,tx.
213	or/211-212
214	210 and 213
215	PERINATAL CARE.kw.
216	PRENATAL EDUCATION.kw.
217	or/215-216
218	192 and 217
219	PRENATAL CARE.kw.
220	181 and 219
221	209 or 214 or 218 or 220

**Database: Health Technology Assessment**

#	Searches
1	PREGNANCY/
2	PERIPARTUM PERIOD/
3	PARTURITION/
4	exp LABOR, OBSTETRIC/
5	OBSTETRIC LABOR, PREMATURE/
6	pregnan\$.tw.
7	(labo?r or childbirth or partu\$ or intra?part\$ or peri?part\$).tw.
8	((during or giving or give) adj3 birth?).tw.
9	or/1-8
10	HEALTH EDUCATION/
11	PATIENT EDUCATION AS TOPIC/
12	exp PARENTS/ed [education]
13	INFORMATION SEEKING BEHAVIOR/
14	POSTERS AS TOPIC/
15	PUBLICATIONS/
16	GOVERNMENT PUBLICATIONS AS TOPIC/
17	PAMPHLETS/
18	INTERNET/
19	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 educat\$).tw.
20	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 informat\$).tw.
21	((pamphlet? or leaflet? or booklet? or manual\$ or brochure? or publication? or handout? or written or website? or web site? or web page? or webpage? or web based or video? or dvd? or online? or internet? or app? or application?) adj5 (informat\$ or educat\$)).tw.
22	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj5 (pamphlet? or leaflet? or booklet? or manual? or brochure? or publication? or handout? or written or website? or web site? or web page? or webpage? or web based or video? or dvd? or online? or internet? or app? or application?)).tw.
23	(informat\$ adj3 (model? or program\$ or need? or requir\$ or seek\$ or access\$ or dissem\$ or shar\$ or provision)).tw.
24	(informat\$ adj3 provid\$).tw.

#	Searches
25	(informat\$ adj3 (help\$ or support\$ or benefi\$ or hinder\$ or hindran\$ or barrier? or facilitat\$ or practical\$ or clear\$ or accurat\$)).tw.
26	(informat\$ adj3 (type? or content? or method? or quality)).tw.
27	((additional or extra or added or further) adj3 informat\$).tw.
28	((time? or timing or when or prompt\$) adj3 informat\$).tw.
29	((give? or giving or gave) adj3 informat\$).tw.
30	(informat\$ adj3 (hospital? or service? or resource? or red flag? or emergency care or contact?)).tw.
31	patient education handout.pt.
32	or/10-31
33	PATIENT CARE PLANNING/
34	CRITICAL PATHWAY/
35	CLINICAL PROTOCOLS/
36	or/33-35
37	informat\$.tw.
38	36 and 37
39	(informat\$ adj3 (care plan\$ or pathway? or protocol?)).tw.
40	or/38-39
41	COMMUNICATION BARRIERS/
42	((communicat\$ or language?) adj3 (barrier? or facilitat\$)).tw.
43	(communicat\$ adj3 (help\$ or unhelp\$ or un-help\$ or encourag\$ or prevent\$ or good or bad\$ or effect\$ or ineffect\$ or in-effect\$ or poor\$ or difficult\$)).tw.
44	(communicat\$ adj3 (time? or timing? or initiat\$)).tw.
45	TRANSLATING/
46	(translat\$ adj7 (communicat\$ or language? or informat\$)).tw.
47	or/41-46
48	32 or 40 or 47
49	9 and 48
50	PREGNANCY COMPLICATIONS/
51	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 informat\$).tw.
52	50 and 51
53	PERINATAL CARE/
54	PRENATAL EDUCATION/
55	or/53-54
56	32 and 55
57	PRENATAL CARE/
58	20 and 57
59	49 or 52 or 56 or 58

**Database: Embase**

#	Searches
1	interview:.tw.
2	exp HEALTH CARE ORGANIZATION/
3	experiences.tw.
4	or/1-3
5	SYSTEMATIC REVIEW/
6	META-ANALYSIS/
7	(meta analy* or metanaly* or metaanaly*).ti,ab.
8	((systematic or evidence) adj2 (review* or overview*)).ti,ab.
9	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.

#	Searches
10	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
11	(search* adj4 literature).ab.
12	(medline or pubmed or cochrane or embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.
13	((pool* or combined) adj2 (data or trials or studies or results)).ab.
14	cochrane.jw.
15	or/5-14
16	random*.ti,ab.
17	factorial*.ti,ab.
18	(crossover* or cross over*).ti,ab.
19	((doubl* or singl*) adj blind*).ti,ab.
20	(assign* or allocat* or volunteer* or placebo*).ti,ab.
21	CROSSOVER PROCEDURE/
22	SINGLE BLIND PROCEDURE/
23	RANDOMIZED CONTROLLED TRIAL/
24	DOUBLE BLIND PROCEDURE/
25	or/16-24
26	COHORT ANALYSIS/
27	(cohort adj3 (study or studies)).ti,ab.
28	(Cohort adj3 analy\$).ti,ab.
29	FOLLOW UP/
30	(Follow\$ up adj3 (study or studies)).ti,ab.
31	LONGITUDINAL STUDY/
32	longitudinal\$.ti,ab.
33	PROSPECTIVE STUDY/
34	prospective\$.ti,ab.
35	RETROSPECTIVE STUDY/
36	retrospective\$.ti,ab.
37	or/26-36
38	(before\$ adj3 after\$ adj3 (study or studies)).ti,ab.
39	*PREGNANCY/
40	*PERINATAL PERIOD/
41	exp *BIRTH/
42	exp *LABOR/
43	*PREMATURE LABOR/
44	*INTRAPARTUM CARE/
45	pregnan\$.ti,ab.
46	(labo?r or childbirth or partu\$ or intra?part\$ or peri?part\$).ti,ab.
47	((during or giving or give) adj3 birth?).ti,ab.
48	or/39-47
49	*OBESITY/ or *ABDOMINAL OBESITY/ or *MORBID OBESITY/
50	*BODY MASS/ or *BODY SIZE/ or *WAIST CIRCUMFERENCE/ or *WAIST-HIP RATIO/
51	(body mass index or obesity or obese).ti.
52	(heavy or heavier or overweight or fat\$ or BMI).ti.
53	*ADIPOSE TISSUE/ or *WHITE ADIPOSE TISSUE/
54	or/49-53
55	exp ASTHMA/
56	asthma\$.ti,ab.
57	BRONCHOSPASM/
58	(Bronchospasm? or bronch\$ spasm?).ti,ab.
59	BRONCHOCONSTRICTION/

#	Searches
60	(Bronchoconstrict\$ or bronch\$ constrict\$).ti,ab.
61	or/55-60
62	*BRAIN HEMORRHAGE/
63	*SUBARACHNOID HEMORRHAGE/
64	(h?emorrhag\$ adj3 (subarachnoid or intracranial\$)).ab,ti.
65	SAH?.ab,ti.
66	*CEREBROVASCULAR MALFORMATION/
67	*BRAIN ARTERIOVENOUS MALFORMATION/
68	((Intracranial\$ or cerebr\$ or brain?) adj5 (arteriovenous or arterio-venous) adj3 malform\$).ab,ti.
69	(cerebr\$ adj3 malform\$).ab,ti.
70	AVM?.ab,ti.
71	(recurr\$ adj3 h?emorrhag\$).ti,ab.
72	*CEREBROVASCULAR ACCIDENT/
73	(Cerebr\$ adj3 accident?).ti,ab.
74	cva.ti,ab.
75	*HEMIPLEGIA/
76	hemiplegia?.ti,ab.
77	cavernoma?.ti,ab.
78	or/62-77
79	exp *STEROID/
80	exp *CORTICOSTEROID/
81	*PREDNISONE/
82	*PREDNISOLONE/
83	*HYDROCORTISONE/
84	*DEXAMETHASONE/
85	steroid\$.mp.
86	corticosteroid?.mp.
87	prednisone.mp.
88	(prednisolone or fluprednisolone or methylprednisolone or prednimustine).mp.
89	(hydrocortisone or fludrocortisone).mp.
90	dexamethasone.mp.
91	or/79-90
92	((stress or rescue or maintenance or increment\$ or boost\$ or supplement\$ or additional\$ or added\$ or increas\$) adj3 (dose? or dosag\$)).ti,ab.
93	((Temporar\$ or short term or physiological\$) adj3 increase\$).ti,ab.
94	or/92-93
95	91 and 94
96	((steroid\$ or corticosteroid? or prednisone or fluprednisolone or methylprednisolone or prednimustine or Hydrocortisone or fludrocortisone or Dexamethasone) adj3 (stress or rescue or maintenance or increment\$ or boost\$ or supplement\$ or additional\$ or added\$ or increas\$)).mp.
97	((steroid\$ or corticosteroid? or prednisone or fluprednisolone or methylprednisolone or prednimustine or Hydrocortisone or fludrocortisone or Dexamethasone) adj3 (high\$ adj2 (dose? or level?))).mp.
98	((steroid\$ or corticosteroid? or prednisone or fluprednisolone or methylprednisolone or prednimustine or Hydrocortisone or fludrocortisone or Dexamethasone) adj3 replace\$).mp.
99	((steroid\$ or corticosteroid? or prednisone or fluprednisolone or methylprednisolone or prednimustine or Hydrocortisone or fludrocortisone or Dexamethasone) adj3 (regimen\$ or long term)).mp.
100	or/95-99
101	CHRONIC KIDNEY DISEASE/

#	Searches
102	CHRONIC KIDNEY FAILURE/
103	END STAGE RENAL DISEASE/
104	((Renal\$ or kidney?) adj5 (disease? or insuffic\$ or fail\$) adj5 (chronic\$ or end-stage?)).ab,ti.
105	CKD.ab,ti.
106	ESRD.ab,ti.
107	Frasier syndrome.ti,ab.
108	ACUTE KIDNEY FAILURE/
109	((Renal\$ or kidney?) adj5 (injur\$ or insuffic\$ or fail\$) adj5 acute\$).ab,ti.
110	(Kidney adj5 tubular necrosis adj5 acute\$).ab,ti.
111	(Nephrosis adj5 nephron adj5 lower).ab,ti.
112	AKI.ab,ti.
113	exp KIDNEY TRANSPLANTATION/
114	((kidney? or renal\$) adj3 (transplant\$ or graft\$)).ti,ab.
115	or/101-114
116	PULMONARY VALVE STENOSIS/
117	(pulmonary adj2 stenosis\$).ti,ab.
118	PATENT DUCTUS ARTERIOSUS/
119	(Paten\$ adj2 ductus arteriosus).ti,ab.
120	MITRAL VALVE PROLAPSE/
121	(mitral valve? adj2 (prolapse? or floppy)).ti,ab.
122	click murmur syndrome?.ti,ab.
123	(Repair\$ adj3 lesion? adj3 (heart? or cardiac)).ti,ab.
124	HEART SEPTUM DEFECT/
125	((atrial or ventricul\$ or intraventricul\$) adj2 septal adj2 defect\$).ti,ab.
126	(persist\$ adj2 ostium primum).ti,ab.
127	anomal\$ pulmonary venous drain\$.ti,ab.
128	EXTRASYSTOLE/
129	((Atrial or ventricular or supraventricular) adj2 (ectopic or premature) adj2 (beat? or complex\$ or complice?)).ti,ab.
130	((Atrial or ventricular) adj2 extrasystole?).ti,ab.
131	FALLOT TETRALOGY/su [Surgery]
132	(tetralogy adj2 Fallot\$ adj10 (repair\$ or surgery)).ti,ab.
133	exp *HEART ARRHYTHMIA/
134	(arrhythmia? or dysrhythmia?).ti,ab.
135	(Atrial adj2 (Fibrillation or Flutter)).ti,ab.
136	(Bradycardia? or bradyarrhythmia?).ti,ab.
137	Brugada Syndrome.ti,ab.
138	(premature adj2 (atrial or ventricular) adj2 contraction?).ti,ab.
139	Heart Block.ti,ab.
140	Long QT Syndrome.ti,ab.
141	Parasystole.ti,ab.
142	Pre-Excitation Syndrome?.ti,ab.
143	Tachycardia?.ti,ab.
144	(Ventricular adj2 (Fibrillation or Flutter)).ti,ab.
145	exp *HYPERTROPHIC CARDIOMYOPATHY/
146	(Hypertrophic adj2 cardiomyopath\$).ti,ab.
147	AORTIC VALVE REGURGITATION/
148	MITRAL VALVE REGURGITATION/
149	((mitral or aort\$) adj2 (regurg\$ or incompeten\$)).ti,ab.
150	((mitral or aort\$) adj2 valv\$ adj2 insufficien\$).ti,ab.
151	MARFAN SYNDROME/

#	Searches
152	(Marfan\$ adj2 syndrome).ti,ab.
153	exp *AORTA DISEASE/
154	(aort\$ adj2 (disease? or aneurysm? or ruptur\$)).ti,ab.
155	Aortitis.ti,ab.
156	Loeys-Dietz Syndrome.ti,ab.
157	Leriche Syndrome.ti,ab.
158	AORTA COARCTATION/su [Surgery]
159	(Coarctation? adj10 (repair\$ or surgery)).ti,ab.
160	exp *HEART VALVE PROSTHESIS/
161	((heart or cardiac) adj3 valve? adj5 (prosthe\$ or mechanical or replace\$)).ti,ab.
162	GREAT VESSELS TRANSPOSITION/
163	(Transpos\$ adj2 great adj2 (vessels or arteries)).ti,ab.
164	FONTAN PROCEDURE/
165	(Fontan\$ adj2 (circulat\$ or procedure?)).ti,ab.
166	exp *CORONARY ARTERY DISEASE/
167	(Coronary adj2 (disease? or aneurysm? or arterioscleros?s or occlusion? or stenosis?s or restenosis?s or thrombosis?s or vasospasm?)).ti,ab.
168	CYANOTIC HEART DISEASE/
169	Cyanotic heart disease?.ti,ab.
170	*CONGENITAL HEART DISEASE/
171	(complex\$ adj10 congenital\$ heart disease?).ti,ab.
172	*PULMONARY HYPERTENSION/
173	(Pulmonary adj2 arter\$ adj2 hypertens\$).ti,ab.
174	exp *HEART VENTRICLE FAILURE/
175	((left or right) adj2 ventric\$ adj2 (impair\$ or systemic\$ or dysfuncti\$)).ti,ab.
176	(systemic\$ adj2 ventric\$ adj2 dysfuncti\$).ti,ab.
177	exp CARDIOMYOPATHY/ and TIME FACTOR/
178	(previous\$ adj5 cardiomyopath\$).ti,ab.
179	MITRAL VALVE STENOSIS/
180	(mitral adj2 stenosis?).ti,ab.
181	AORTA VALVE STENOSIS/
182	(aort\$ adj2 stenosis?).ti,ab.
183	AORTA COARCTATION/
184	(Coarctation? adj3 aort\$).ti,ab.
185	or/116-184
186	exp CARDIOMYOPATHY/
187	cardiomyopath\$.ti,ab.
188	myocardiopath\$.ti,ab.
189	myocardial disease?.ti,ab.
190	PPCM.ti,ab.
191	Arrhythmogenic Right Ventricular Dysplasia.ti,ab.
192	Endocardial Fibroelastosis?.ti,ab.
193	(Isolated Noncompaction adj3 Ventricular Myocardium).ti,ab.
194	Endomyocardial Fibrosis?.ti,ab.
195	(Glycogen Storage Disease adj3 (Type IIb or type 2b)).ti,ab.
196	((antopol or danon) adj2 disease?).ti,ab.
197	(Kearn\$ adj3 Syndrome).ti,ab.
198	Myocardial Reperfusion Injur\$.ti,ab.
199	Myocarditis.ti,ab.
200	Carditis.ti,ab.
201	Sarcoglycanopath\$.ti,ab.
202	or/186-201

#	Searches
203	exp *THROMBOCYTE DISORDER/
204	(Blood Platelet Disorder? or Bernard-Soulier Syndrome or Gray Platelet Syndrome or Platelet Storage Pool Deficien\$ or Hermanski-Pudlak Syndrome or Thrombasthenia or Thrombocytopeni\$ or Jacobsen Distal 11q Deletion Syndrome or Kasabach-Merritt Syndrome or Thrombotic Microangiopath\$ or Hemolytic-Uremic Syndrome or (Purpura adj3 Thrombocytopeni\$) or Glanzmann\$ thrombasthenia).ti,ab.
205	*HELLP SYNDROME/
206	HELLP.ti,ab.
207	*HEMOLYTIC UREMIC SYNDROME/
208	hemolytic uremic syndrome.ti,ab.
209	*SYSTEMIC LUPUS ERYTHEMATOSUS/
210	systemic lupus erythematosus.ti,ab.
211	*ANTIPHOSPHOLIPID SYNDROME/
212	((antiphospholipid or anti-phospholipid) adj3 syndrome?).ti,ab.
213	Evans syndrome.ti,ab.
214	(Platelet adj3 (Disorder? or dysfunction\$) adj10 (infect\$ or human immunodeficiency virus\$ or HIV or parvovirus or (Drug adj3 (relat\$ or due or induced)) or Liver disease?).ti,ab.
215	(Bone marrow suppression or myelotoxic\$ or myelosuppression).ti,ab.
216	*BLEEDING DISORDER/
217	*BLOOD CLOTTING DISORDER/
218	*ACTIVATED PROTEIN C RESISTANCE/
219	exp *BLOOD CLOTTING FACTOR DEFICIENCY/
220	*DISSEMINATED INTRAVASCULAR CLOTTING/
221	(Hemorrhagic Disorder? or Afibrinogenemia or Bernard-Soulier Syndrome or Disseminated Intravascular Coagulation or Factor V Deficien\$ or Factor VII Deficien\$ or Factor X Deficien\$ or Factor XI Deficien\$ or Factor XII Deficien\$ or Factor XIII Deficien\$ or H?emophilia? or Hemostatic Disorder? or Cryoglobulinemia or Ehlers-Danlos Syndrome or (Hemangioma? adj3 Cavernous) or Multiple Myeloma or Pseudoxanthoma Elasticum or (Purpura adj3 Hyperglobulinemic) or (Purpura adj3 Schoenlein-Henoch) or Scurvy or Shwartzman Phenomenon or (Telangiectasia adj3 Heredit\$) or Waldenstrom Macroglobulinemia or Hypoprothrombinemia? or (Prothrombin adj3 Deficien\$) or Platelet Storage Pool Deficien\$ or Hermanski-Pudlak Syndrome or (Purpura adj3 Thrombocytopeni\$) or Thrombasthenia or Thrombocytopenia or Vitamin K Deficien\$ or von Willebrand Disease? or Waterhouse-Friderichsen Syndrome or Wiskott-Aldrich Syndrome or (Fibrinogen adj3 Deficien\$) or Dysfibrinogenemia or Hypofibrinogenemia).ti,ab.
222	((Blood Coagulation Disorder? adj3 Inherit\$) or Activated Protein C Resistan\$ or Antithrombin III Deficien\$ or Protein C Deficien\$).ti,ab.
223	or/203-222
224	54 or 61 or 78 or 100 or 115 or 185 or 202 or 223
225	48 and 224
226	HIGH RISK PREGNANCY/
227	(pregnan\$ adj3 high\$ adj3 risk\$).ab,ti.
228	(pregnan\$ adj10 (exist\$ or preexist\$) adj5 condition?).ab,ti.
229	or/226-228
230	225 or 229
231	*INFORMATION/
232	*CONSUMER HEALTH INFORMATION/
233	*INFORMATION DISSEMINATION/
234	*INFORMATION SEEKING/
235	*PATIENT EDUCATION/
236	*MEDICAL INFORMATION/
237	*PUBLICATION/
238	*INTERNET/

#	Searches
239	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 educat\$).ti.
240	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 educat\$).ab. /freq=2
241	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 informat\$).ti,ab.
242	((pamphlet? or leaflet? or booklet? or manual\$ or brochure? or publication? or handout? or written or website? or web site? or web page? or webpage? or web based or video? or dvd? or online? or internet? or app? or application?) adj5 (informat\$ or educat\$)).ti,ab.
243	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj5 (pamphlet? or leaflet? or booklet? or manual? or brochure? or publication? or handout? or written or website? or web site? or web page? or webpage? or web based or video? or dvd? or online? or internet? or app? or application?)).ti,ab.
244	(informat\$ adj3 (model? or program\$ or need? or requir\$ or seek\$ or access\$ or dissem\$ or shar\$ or provision)).ti,ab.
245	(informat\$ adj3 provid\$).ti.
246	(informat\$ adj3 provid\$).ab.
247	informat\$.ab. /freq=2
248	246 and 247
249	(informat\$ adj3 (help\$ or support\$ or benefi\$ or hinder\$ or hindran\$ or barrier? or facilitat\$ or practical\$ or clear\$ or accurat\$)).ti,ab.
250	(informat\$ adj3 (type? or content? or method? or quality)).ti,ab.
251	((additional or extra or added or further) adj3 informat\$).ti,ab.
252	((time? or timing or when or prompt\$) adj3 informat\$).ti,ab.
253	((give? or giving or gave) adj3 informat\$).ti,ab.
254	(informat\$ adj3 (hospital? or service? or resource? or red flag? or emergency care or contact?)).ti,ab.
255	231 or 232 or 233 or 234 or 235 or 236 or 237 or 238 or 239 or 240 or 241 or 242 or 243 or 244 or 245 or 248 or 249 or 250 or 251 or 252 or 253 or 254
256	*PATIENT CARE PLANNING/
257	*CLINICAL PATHWAY/
258	*CLINICAL PROTOCOLS/
259	or/256-258
260	informat\$.ti,ab.
261	259 and 260
262	(informat\$ adj3 (care plan\$ or pathway? or protocol?)).ti,ab.
263	or/261-262
264	((communicat\$ or language?) adj3 (barrier? or facilitat\$)).ti,ab.
265	(communicat\$ adj3 (help\$ or unhelp\$ or un-help\$ or encourag\$ or prevent\$ or good or bad\$ or effect\$ or ineffect\$ or in-effect\$ or poor\$ or difficult\$)).ti,ab.
266	(communicat\$ adj3 (time? or timing? or initiat\$)).ti,ab.
267	"TRANSLATING (LANGUAGE)"/
268	(translat\$ adj7 (communicat\$ or language? or informat\$)).ti,ab.
269	or/264-268
270	255 or 263 or 269
271	230 and 270
272	*PREGNANCY COMPLICATION/
273	informat\$.ti.
274	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 informat\$).ab.
275	or/273-274
276	272 and 275

DRAFT FOR CONSULTATION

Intrapartum care for women with existing medical conditions or obstetric complications and their babies

#	Searches
277	INTRAPARTUM CARE/
278	*PERINATAL CARE/
279	CHILDBIRTH EDUCATION/
280	or/277-279
281	255 and 280
282	*PRENATAL CARE/
283	241 and 282
284	271 or 276 or 281 or 283
285	limit 284 to english language
286	letter.pt. or LETTER/
287	note.pt.
288	editorial.pt.
289	CASE REPORT/ or CASE STUDY/
290	(letter or comment*).ti.
291	or/286-290
292	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
293	291 not 292
294	ANIMAL/ not HUMAN/
295	NONHUMAN/
296	exp ANIMAL EXPERIMENT/
297	exp EXPERIMENTAL ANIMAL/
298	ANIMAL MODEL/
299	exp RODENT/
300	(rat or rats or mouse or mice).ti.
301	or/293-300
302	285 not 301
303	4 and 302
304	15 and 302
305	25 and 302
306	37 and 302
307	38 and 302
308	or/303-307

**Database: Maternity & Infant Care Database**

#	Searches
1	PREGNANCY - HIGH RISK.de.
2	INFORMATION.de.
3	PATIENT EDUCATION.de.
4	HEALTH EDUCATION.de.
5	PARENTS - EDUCATION.de.
6	INFORMATION SOURCES.de.
7	POSTERS.de.
8	PUBLICATIONS.de.
9	INTERNET.de.
10	informat\$.ti,ab.
11	communicat\$.ti,ab.
12	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 educat\$.ti,ab.
13	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj5 (pamphlet? or leaflet? or booklet? or manual? or brochure? or publication? or handout? or written or website? or web site? or web page? or webpage? or web based or video? or dvd? or online? or internet? or app? or application?)).ti,ab.

#	Searches
14	translat\$.ti,ab.
15	or/2-14
16	1 and 15

**Database: PsycInfo**

#	Searches
1	PREGNANCY/
2	BIRTH/
3	"LABOR (CHILDBIRTH)"/
4	INTRAPARTUM PERIOD/
5	pregnan\$.ti,ab.
6	(labo?r or childbirth or partu\$ or intra?part\$ or peri?part\$).ti,ab.
7	((during or giving or give) adj3 birth?).ti,ab.
8	or/1-7
9	OBESITY/
10	BODY MASS INDEX/ or BODY SIZE/ or OVERWEIGHT/
11	body mass index.ti.
12	(obesity or obese or heavy or heavier or overweight or fat\$ or BMI).ti.
13	BODY FAT/
14	or/9-13
15	ASTHMA/
16	asthma\$.ti,ab.
17	(Bronchospasm? or bronch\$ spasm?).ti,ab.
18	(Bronchoconstrict\$ or bronch\$ constrict\$).ti,ab.
19	or/15-18
20	SUBARACHNOID HEMORRHAGE/
21	(h?emorrhag\$ adj3 (subarachnoid or intracranial\$)).ab,ti.
22	SAH?.ab,ti.
23	((Intracranial\$ or cerebr\$ or brain?) adj5 (arteriovenous or arterio-venous) adj3 malform\$).ab,ti.
24	(cerebr\$ adj3 malform\$).ab,ti.
25	AVM?.ab,ti.
26	(recurr\$ adj3 h?emorrhag\$).ti,ab.
27	CEREBROVASCULAR ACCIDENTS/
28	(Cerebr\$ adj3 accident?).ti,ab.
29	cva.ti,ab.
30	HEMIPLEGIA/
31	hemiplegia?.ti,ab.
32	cavernoma?.ti,ab.
33	or/20-32
34	exp STEROIDS/
35	exp ADRENAL CORTEX HORMONES/
36	PREDNISOLONE/
37	exp HYDROCORTISONE/
38	DEXAMETHASONE/
39	or/34-38
40	((stress or rescue or maintenance or increment\$ or boost\$ or supplement\$ or additional\$ or added\$ or increas\$) adj3 (dose? or dosag\$)).ti,ab.
41	((Temporar\$ or short term or physiological\$) adj3 increase\$).ti,ab.
42	or/40-41
43	39 and 42

#	Searches
44	((steroid\$ or corticosteroid? or prednisone or fluprednisolone or methylprednisolone or prednimustine or Hydrocortisone or fludrocortisone or Dexamethasone) adj3 (stress or rescue or maintenance or increment\$ or boost\$ or supplement\$ or additional\$ or added\$ or increas\$ or replace\$ or regimen\$ or long term)).mp.
45	((steroid\$ or corticosteroid? or prednisone or fluprednisolone or methylprednisolone or prednimustine or Hydrocortisone or fludrocortisone or Dexamethasone) adj3 (high\$ adj2 (dose? or level?))).mp.
46	or/43-45
47	KIDNEY DISEASES/ and CHRONIC ILLNESS/
48	((Renal\$ or kidney?) adj5 (disease? or insuffic\$ or fail\$) adj5 (chronic\$ or end-stage?)).ab,ti.
49	CKD.ab,ti.
50	ESRD.ab,ti.
51	Frasier syndrome.ti,ab.
52	KIDNEYS/ and INJURIES/
53	((Renal\$ or kidney?) adj5 (injur\$ or insuffic\$ or fail\$) adj5 acute\$).ab,ti.
54	(Kidney adj5 tubular necrosis adj5 acute\$).ab,ti.
55	(Nephrosis adj5 nephron adj5 lower).ab,ti.
56	AKI.ab,ti.
57	KIDNEYS/ and ORGAN TRANSPLANTATION/
58	((kidney? or renal\$) adj3 (transplant\$ or graft\$)).ti,ab.
59	or/47-58
60	(pulmonary adj2 stenosis\$).ti,ab.
61	(Paten\$ adj2 ductus arteriosus).ti,ab.
62	(mitral valve? adj2 (prolapse? or floppy)).ti,ab.
63	click murmur syndrome?.ti,ab.
64	(Repair\$ adj3 lesion? adj3 (heart? or cardiac)).ti,ab.
65	((atrial or ventricul\$ or intraventricul\$) adj2 septal adj2 defect\$).ti,ab.
66	(persist\$ adj2 ostium primum).ti,ab.
67	anomalous pulmonary venous drain\$.ti,ab.
68	((Atrial or ventricular or supraventricular) adj2 (ectopic or premature) adj2 (beat? or complex\$ or complix?)).ti,ab.
69	((Atrial or ventricular) adj2 extrasystole?).ti,ab.
70	(tetralogy adj2 Fallot\$ adj10 (repair\$ or surgery)).ti,ab.
71	exp "ARRHYTHMIAS (HEART)"/
72	(arrhythmia? or dysrhythmia?).ti,ab.
73	(Atrial adj2 (Fibrillation or Flutter)).ti,ab.
74	(Bradycardia? or bradyarrhythmia?).ti,ab.
75	Brugada Syndrome.ti,ab.
76	(premature adj2 (atrial or ventricular) adj2 contraction?).ti,ab.
77	Heart Block.ti,ab.
78	Long QT Syndrome.ti,ab.
79	Parasystole.ti,ab.
80	Pre-Excitation Syndrome?.ti,ab.
81	Tachycardia?.ti,ab.
82	(Ventricular adj2 (Fibrillation or Flutter)).ti,ab.
83	(Hypertrophic adj2 cardiomyopath\$).ti,ab.
84	((mitral or aort\$) adj2 (regurg\$ or incompeten\$)).ti,ab.
85	((mitral or aort\$) adj2 valv\$ adj2 insufficien\$).ti,ab.
86	(Marfan\$ adj2 syndrome).ti,ab.
87	(aort\$ adj2 (disease? or aneurysm? or ruptur\$)).ti,ab.
88	Aortitis.ti,ab.
89	Loeys-Dietz Syndrome.ti,ab.

#	Searches
90	Leriche Syndrome.ti,ab.
91	(Coarctation? adj10 (repair\$ or surgery)).ti,ab.
92	HEART VALVES/ and PROSTHESES/
93	((heart or cardiac) adj3 valve? adj5 (prosthe\$ or mechanical or replace\$)).ti,ab.
94	(Transpos\$ adj2 great adj2 (vessels or arteries)).ti,ab.
95	(Fontan\$ adj2 (circulat\$ or procedure?)).ti,ab.
96	(Coronary adj2 (disease? or aneurysm? or arterioscleros?s or occlusion? or stenosis or restenosis or thrombosis or vasospasm?)).ti,ab.
97	HEART DISORDERS/ and CONGENITAL DISORDERS/
98	Cyanotic heart disease?.ti,ab.
99	(complex\$ adj10 congenital\$ heart disease?).ti,ab.
100	(Pulmonary adj2 arter\$ adj2 hypertens\$).ti,ab.
101	((left or right) adj2 ventric\$ adj2 (impair\$ or systemic\$ or dysfuncti\$)).ti,ab.
102	(systemic\$ adj2 ventric\$ adj2 dysfuncti\$).ti,ab.
103	(previous\$ adj5 cardiomyopath\$).ti,ab.
104	(mitral adj2 stenosis).ti,ab.
105	(aort\$ adj2 stenosis).ti,ab.
106	(Coarctation? adj3 aort\$).ti,ab.
107	or/60-106
108	cardiomyopath\$.ti,ab.
109	myocardiopath\$.ti,ab.
110	myocardial disease?.ti,ab.
111	PPCM.ti,ab.
112	Arrhythmogenic Right Ventricular Dysplasia.ti,ab.
113	Endocardial Fibroelastosis.ti,ab.
114	(Isolated Noncompaction adj3 Ventricular Myocardium).ti,ab.
115	Endomyocardial Fibrosis.ti,ab.
116	(Glycogen Storage Disease adj3 (Type IIb or type 2b)).ti,ab.
117	((antopol or danon) adj2 disease?).ti,ab.
118	(Kearn\$ adj3 Syndrome).ti,ab.
119	Myocardial Reperfusion Injur\$.ti,ab.
120	Myocarditis.ti,ab.
121	Carditis.ti,ab.
122	Sarcoglycanopath\$.ti,ab.
123	or/108-122
124	(Blood Platelet Disorder? or Bernard-Soulier Syndrome or Gray Platelet Syndrome or Platelet Storage Pool Deficien\$ or Hermanski-Pudlak Syndrome or Thrombasthenia or Thrombocytopeni\$ or Jacobsen Distal 11q Deletion Syndrome or Kasabach-Merritt Syndrome or Thrombotic Microangiopath\$ or Hemolytic-Uremic Syndrome or (Purpura adj3 Thrombocytopeni\$) or Glanzmann\$ thrombasthenia).ti,ab.
125	HELLP.ti,ab.
126	hemolytic uremic syndrome.ti,ab.
127	systemic lupus erythematosus.ti,ab.
128	((antiphospholipid or anti-phospholipid) adj3 syndrome?).ti,ab.
129	Evans syndrome.ti,ab.
130	(Platelet adj3 (Disorder? or dysfunction\$) adj10 (infect\$ or human immunodeficiency virus\$ or HIV or parvovirus or (Drug adj3 (relat\$ or due or induced)) or Liver disease?)).ti,ab.
131	(Bone marrow suppression or myelotoxic\$ or myelosuppression).ti,ab.
132	(Hemorrhagic Disorder? or Afibrinogenemia or Bernard-Soulier Syndrome or Disseminated Intravascular Coagulation or Factor V Deficien\$ or Factor VII Deficien\$ or Factor X Deficien\$ or Factor XI Deficien\$ or Factor XII Deficien\$ or Factor XIII Deficien\$ or H?emophilia? or Hemostatic Disorder? or Cryoglobulinemia or Ehlers-Danlos Syndrome or (Hemangioma?

#	Searches
	adj3 Cavernous) or Multiple Myeloma or Pseudoxanthoma Elasticum or (Purpura adj3 Hyperglobulinemic) or (Purpura adj3 Schoenlein-Henoch) or Scurvy or Shwartzman Phenomenon or (Telangiectasia adj3 Heredit\$) or Waldenstrom Macroglobulinemia or Hypoprothrombinemia? or (Prothrombin adj3 Deficien\$) or Platelet Storage Pool Deficien\$ or Hermanski-Pudlak Syndrome or (Purpura adj3 Thrombocytopeni\$) or Thrombasthenia or Thrombocythemia or Vitamin K Deficien\$ or von Willebrand Disease? or Waterhouse-Friderichsen Syndrome or Wiskott-Aldrich Syndrome or (Fibrinogen adj3 Deficien\$) or Dysfibrinogenemia or Hypofibrinogenemia).ti,ab.
133	((Blood Coagulation Disorder? adj3 Inherit\$) or Activated Protein C Resistan\$ or Antithrombin III Deficien\$ or Protein C Deficien\$).ti,ab.
134	or/124-133
135	14 or 19 or 33 or 46 or 59 or 107 or 123 or 134
136	8 and 135
137	(pregnan\$ adj3 high\$ adj3 risk\$).ab,ti.
138	(pregnan\$ adj10 (exist\$ or preexist\$) adj5 condition?).ab,ti.
139	or/136-138
140	HEALTH EDUCATION/
141	CLIENT EDUCATION/
142	INFORMATION SEEKING/
143	INTERNET/
144	SOCIAL MEDIA/
145	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 educat\$).ti.
146	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 educat\$).ab. /freq=2
147	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 informat\$).ti,ab.
148	((pamphlet? or leaflet? or booklet? or manual\$ or brochure? or publication? or handout? or written or website? or web site? or web page? or webpage? or web based or video? or dvd? or online? or internet? or app? or application? or social media) adj5 (informat\$ or educat\$)).ti,ab.
149	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj5 (pamphlet? or leaflet? or booklet? or manual? or brochure? or publication? or handout? or written or website? or web site? or web page? or webpage? or web based or video? or dvd? or online? or internet? or app? or application? or social media)).ti,ab.
150	(informat\$ adj3 (model? or program\$ or strateg\$ or package? or checklist? or need? or requir\$ or seek\$ or access\$ or dissem\$ or shar\$ or provision)).ti,ab.
151	(informat\$ adj3 provid\$).ti.
152	(informat\$ adj3 provid\$).ab.
153	informat\$.ab. /freq=2
154	152 and 153
155	(informat\$ adj3 (help\$ or support\$ or benefi\$ or hinder\$ or hindran\$ or barrier? or facilitat\$ or practical\$ or clear\$ or accurat\$)).ti,ab.
156	(informat\$ adj3 (type? or content? or method? or quality)).ti,ab.
157	((additional or extra or added or further) adj3 informat\$).ti,ab.
158	((time? or timing or when or prompt\$) adj3 informat\$).ti,ab.
159	((give? or giving or gave) adj3 informat\$).ti,ab.
160	(informat\$ adj3 (hospital? or unit? or department? or service? or resource? or red flag? or emergency care or contact?)).ti,ab.
161	140 or 141 or 142 or 143 or 144 or 145 or 146 or 147 or 148 or 149 or 150 or 151 or 154 or 155 or 156 or 157 or 158 or 159 or 160
162	TREATMENT PLANNING/

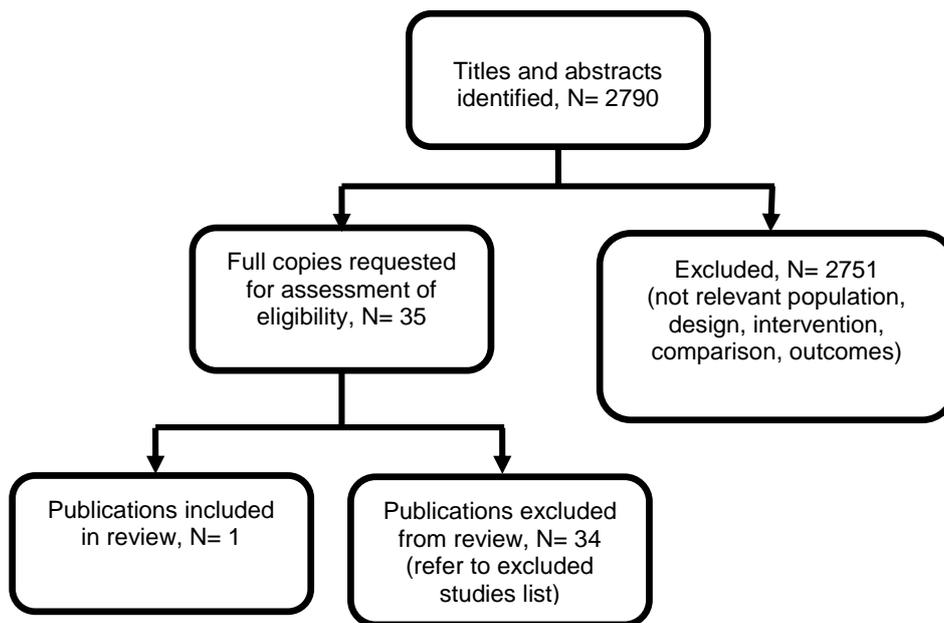
#	Searches
163	TREATMENT GUIDELINES/
164	or/162-163
165	informat\$.ti,ab.
166	164 and 165
167	(informat\$ adj3 (care plan\$ or pathway? or protocol?)).ti,ab.
168	or/166-167
169	COMMUNICATION BARRIERS/
170	((communicat\$ or language?) adj3 (barrier? or facilitat\$)).ti,ab.
171	(communicat\$ adj3 (help\$ or unhelp\$ or un-help\$ or encourag\$ or prevent\$ or good or bad\$ or effect\$ or ineffect\$ or in-effect\$ or poor\$ or difficult\$)).ti,ab.
172	(communicat\$ adj3 (time? or timing? or initiat\$)).ti,ab.
173	FOREIGN LANGUAGE TRANSLATION/
174	INTERPRETERS/
175	(translat\$ adj7 (communicat\$ or language? or informat\$)).ti,ab.
176	or/169-175
177	161 or 168 or 176
178	139 and 177
179	PRENATAL CARE/
180	((antenatal\$ or prenatal\$ or pre-natal\$ or perinatal\$) adj1 care).ti,ab.
181	or/179-180
182	informat\$.ti.
183	((patient? or user? or famil\$ or parent\$ or father? or husband? or partner? or mother? or carer? or caregiver?) adj3 informat\$).ab.
184	or/182-183
185	181 and 184
186	178 or 185
187	limit 186 to english language
188	limit 187 to ("0100 journal" or "0110 peer-reviewed journal" or "0120 non-peer-reviewed journal")

1

## Appendix C – Clinical evidence study selection

### Information provision (women at high risk of adverse outcomes for themselves and/or their baby because of existing maternal medical conditions)

Figure 1: Flow diagram of clinical article selection for information provision (women at high risk of adverse outcomes for themselves and/or their baby because of existing maternal medical conditions)



## Appendix D – Excluded studies

### Information provision (women at high risk of adverse outcomes for themselves and/or their baby because of existing maternal medical conditions)

#### Clinical studies

Study	Reason for exclusion
Ackerman, I. N., Jordan, J. E., Van Doornum, S., Ricardo, M., Briggs, A. M., Understanding the information needs of women with rheumatoid arthritis concerning pregnancy, post-natal care and early parenting: A mixed-methods study, <i>BMC Musculoskeletal Disorders</i> , 16, 194, 2015	No data on information needs regarding labour and birth – information about pregnancy in general for women with rheumatoid arthritis
Atkinson, Sandra, McNamara, Patricia Mannix, Unconscious collusion: An interpretative phenomenological analysis of the maternity care experiences of women with obesity (BMI $\geq$ 30kg/m <sup>2</sup> ), <i>Midwifery</i> , 49, 54-64, 2017	No data on information needs regarding labour and birth
Chen, S., Zhao, Q., Cui, Y., Zhou, C., Li, L., Gu, Z., A qualitative study of pregnant experiences in patients with systemic lupus erythematosus, <i>International Journal of Rheumatic Diseases</i> , 19, 130, 2016	Conference abstract. Steroid use not specified
Dencker, A., Premberg,, Olander, E. K., McCourt, C., Haby, K., Dencker, S., Glantz, A., Berg, M., Adopting a healthy lifestyle when pregnant and obese - an interview study three years after childbirth, <i>BMC Pregnancy and Childbirth</i> , 16, 201, 2016	No data on information needs regarding labour and birth
Dinsdale, S., Branch, K., Cook, L., Shucksmith, J., "As soon as you've had the baby that's it..." a qualitative study of 24 postnatal women on their experience of maternal obesity care pathways, <i>BMC Public Health</i> , 16, 625, 2016	No data on information needs regarding labour and birth - data considers information needs for antenatal and postnatal care
Dodd, Jodie M., Newman, Angela, Moran, Lisa J., Deussen, Andrea R., Grivell, Rosalie M., Yelland, Lisa N., Crowther, Caroline A., McPhee, Andrew J., Wittert, Gary, Owens, Julie A., Turnbull, Deborah, Robinson, Jeffrey S., Limit Randomised Trial Group, Dodd Jm, Turnbull D. McPhee A. Grivell R. M. Crowther C. Gillman M. Wittert G. Owens J. A. Robinson J. S. Dodd J. M. Deussen A. Grivell R. M. Yelland L. Moran L. Cramp C. Newman A. Kannieappian L. Hendrijanto S. Kelsey M. Beaumont J. Danz C. Koch J. Webber A. Holst C. Robinson K. Zhang S. Ball V. Ball K. Deussen H. Salehi N. Bartley R. Stafford-Green R. Ophel S. Cooney M. Szmeja M. Short A. Melrose A. Han S. Mohamad I. Chapple L. Yelland L. Grivell R. M. Svigos J. Bhatia V. Manton N. Dodd J. M. Turnbull D. McPhee A. Deussen A. Grivell R. M. Yelland L. Crowther C. Wittert G. Owens J. A. Robinson J. S. McGavigan J. Bryce R. Coppi S. Fanning C. Hannah G. Ignacio M. Pollard H. Schmidt F. Shinnars Y. Dekker G. Kennedy-Andrews S. Beaven R. Niven J. Burgen S. Dalton J. Dewhurst N. Forst L. Mugg V. Will C. Stone H. Dodd J. M. Robinson J. S. Deussen A. Crowther C.	No data on information needs regarding labour and birth. The trial provided information specific to dietary, physical activity and lifestyle advice

Study	Reason for exclusion
Wilkinson C. Purcell H. Wood J. Press D. Ralph K. Donleavy S. Seager S. Gately F. Jolly A. Lahnstein L. Harding S. Daw K. Hedges M. Fraser-Trumble R., The effect of antenatal dietary and lifestyle advice for women who are overweight or obese on emotional well-being: the LIMIT randomized trial, <i>Acta obstetrica ET gynecologica scandinavica</i> , 95, 309-18, 2016	
Fragoso, Y. D., Fragoso, S. D., Finkelsztejn, A., Brooks, J. B., Rebs, R. R., Systematic review versus internet search: considerations about availability and reliability of medical information regarding pregnancy in women with multiple sclerosis, <i>Revista Brasileira de Epidemiologia</i> , 15, 896-903, 2012	No data on information needs regarding labour and birth – the article compares availability and quality of information from medical literature and highly accessed internet sites
Gagnon, Anita J., Sandall, Jane, Individual or group antenatal education for childbirth or parenthood, or both, <i>Cochrane Database of Systematic Reviews</i> , -, 2011	Systematic review – references checked for relevant articles
Grobman, W. A., Kavanaugh, K., Moro, T., DeRegnier, R. A., Savage, T., Providing advice to parents for women at acutely high risk of periviable delivery, <i>Obstetrics and Gynecology</i> , 115, 904-909, 2010	No data on information needs regarding labour and birth - article discusses information provision for women with obstetric risk factors (e.g. premature rupture of membranes, threatened preterm labour) and there is a focus on neonatal outcomes
Harrison, M. J., Kushner, K. E., Benzies, K., Rempel, G., Kimak, C., Women's satisfaction with their involvement in health care decisions during a high-risk pregnancy, <i>Birth</i> , 30, 109-15, 2003	Population do not meet inclusion criteria - all women had either threatened preterm labour or hypertension.  No data on information regarding labour and birth
Heaman, M., Beaton, J., Gupton, A., Sloan, J., A comparison of childbirth expectations in high-risk and low-risk pregnant women, <i>Clinical Nursing Research</i> , 1, 252-65, 1992	Population do not meet inclusion criteria - high risk women included were diagnosed with hypertension, threatened preterm labour and premature rupture of membranes. Study assesses expectations but not information needs
Heslehurst, Nicola, Dinsdale, Sarah, Sedgewick, Gillian, Simpson, Helen, Sen, Seema, Summerbell, Carolyn Dawn, Rankin, Judith, An evaluation of the implementation of maternal obesity pathways of care: a mixed methods study with data integration, <i>PLoS ONE</i> , 10, e0127122, 2015	Population and outcomes do not meet inclusion criteria - the women were within an obesity care pathway
Hess, R. F., Weinland, J. A., Beebe, K., "I am not alone": a survey of women with peripartum cardiomyopathy and their participation in an online support group, <i>CIN: Computers, Informatics, Nursing</i> , 28, 215-221, 2010	No data on information needs regarding labour and birth – the data considers how a support group has helped women
Hueston, W. J., Knox, M. A., Eilers, G., Pauwels, J., Lonsdorf, D., The effectiveness of preterm-birth prevention educational programs for high-risk women: a meta-analysis, <i>Obstetrics and Gynecology</i> , 86, 705-712, 1995	Population do not meet the inclusion criteria - women are at high risk of preterm delivery, they do not have medical complications.

Study	Reason for exclusion
	No data on information needs regarding labour and birth
Kane, A., The benefits of doula service in the high-risk pregnancy, <i>International Journal of Childbirth Education</i> , 12, 18-19, 1997	Full text of article unavailable
Karabulut, O., Coskuner Potur, D., Dogan Merih, Y., Cebeci Mutlu, S., Demirci, N., Does antenatal education reduce fear of childbirth?, <i>International Nursing Review</i> , 63, 60-7, 2016	Population do not meet inclusion criteria- the study does not include high risk women.  No data on information needs regarding labour and birth
Lavender, T., Smith, D. M., Seeing it through their eyes: a qualitative study of the pregnancy experiences of women with a body mass index of 30 or more, <i>Health Expectations</i> , 19, 222-33, 2016	No data on information needs regarding labour and birth
Lee, L. Y. K., Holroyd, E., Evaluating the effect of childbirth education class: A mixed-method study, <i>International Nursing Review</i> , 56, 361-368, 2009	Population do not meet inclusion criteria – the study population is comprised of low risk women
Lee, Suzanne, Holden, Des, Ayers, Susan, How women with high risk pregnancies use lay information when considering place of birth: A qualitative study, <i>Women and birth : journal of the Australian College of Midwives</i> , 29, e13-7, 2016	Population does not meet the inclusion criteria – women were considered "high-risk" because of previous caesarean section
Lim, Angelina S., Stewart, Kay, Abramson, Michael J., Ryan, Kath, George, Johnson, Barker, Blais Chambers George Juniper Levine Lim Murphy Olesen Opat Pope Powell Sawicki Schatz Stenius-Aarniala Sugai, Asthma during pregnancy: The experiences, concerns and views of pregnant women with asthma, <i>Journal of Asthma</i> , 49, 474-479, 2012	No data on information needs regarding labour and birth
Lindhardt, C. L., Rubak, S., Mogensen, O., Lamont, R. F., Joergensen, J. S., The experience of pregnant women with a body mass index >30 kg/m <sup>2</sup> of their encounters with healthcare professionals, <i>Acta Obstetricia et Gynecologica Scandinavica</i> , 92, 1101-7, 2013	No data on information needs regarding labour and birth
McGrath, A., Sharpe, L., Lah, S., Parratt, K., Pregnancy-related knowledge and information needs of women with epilepsy: A systematic review, <i>Epilepsy and Behavior</i> , 31, 246-255, 2014	No data specific to labour and birth, only regarding overall antenatal care and outcomes for the baby
McLachlan, B., Improving support for women with complicated pregnancies, <i>Changing Childbirth Update</i> , 2, 1996	Full text of article unavailable
Mountifield, R. E., Prosser, R., Bampton, P., Muller, K., Andrews, J. M., Pregnancy and IBD treatment: This challenging interplay from a patients' perspective, <i>Journal of Crohn's and Colitis</i> , 4, 176-182, 2010	No data on information needs regarding labour and birth
Mulder, E., Davis, A., Gawley, L., Bowen, A., Einarson, A., Negative impact of non-evidence-based information received by women taking antidepressants during pregnancy from health care providers and others, <i>Journal</i>	No data on information needs regarding labour and birth - results only

Study	Reason for exclusion
of Obstetrics & Gynaecology Canada: JOGC, 34, 66-71, 2012	consider medication use during pregnancy
Munstedt, K., von Georgi, R., Eichel, V., et al., Wishes and expectations of pregnant women and their partners concerning delivery, Journal of Perinatal Medicine, 28, 482-490, 2000	No data on information needs regarding labour and birth- the article considers expectations and requirements for birth (e.g. availability of paediatric team, availability of medical staff)
Persily, C. A., Help seeking in high risk pregnancy: the role of the CNS, Clinical Nurse Specialist, 9, 207-13, 220, 1995	No data on information needs regarding labour and birth – the study reports on categories of questions (and specific questions) that were asked of a clinical nurse specialist by women with diabetes
Reron, A., Pachi, A., Kopczynska-Tyszko, A., et al., Attitudes towards pregnancy and labour among Polish and Italian women hospitalized for high-risk pregnancy, International Journal of Prenatal and Perinatal Psychology and Medicine, 7, 139-145, 1995	No data on information needs regarding labour and birth
Svensson, J., Barclay, L., Cooke, M., Randomised-controlled trial of two antenatal education programmes, Midwifery, 25, 114-125, 2009	Population do not meet the inclusion criteria – the study only includes low risk women
Tingstrom, J., Hjelmstedt, A., Welin Henriksson, E., Ambrosi, A., Sonesson, S. E., Wahren-Herlenius, M., Anti-Ro/SSA autoantibody-positive women's experience of information given on the risk of congenital heart block, Lupus, 25, 536-542, 2016	No data on information needs regarding labour and birth
Tingstrom, J., Henriksson, E.W., Sonesson, S.E., Wahren-Herlenius, M., Ro52 autoantibody-positive women's experience of being pregnant and giving birth to a child with congenital heart block, Midwifery, 29, 18-23, 2013	No data on information needs regarding labour and birth
Tingstrom, J., Barimani, M., Sonesson, S.E., Wahren-Herlenius, M., Henriksson, E.W., The experiences of pregnancy in women with SSA/Ro52 autoantibodies, Musculoskeletal Care, 8, 215-223, 2010	No data on information needs regarding labour and birth
Walker, M.G., Windrim, C., Ellul, K.N., Kingdom, J.C., Web-based education for placental complications of pregnancy, Journal of Obstetrics and Gynaecology Canada: JOGC, 35, 334-339, 2013	Population do not meet the inclusion criteria - the data only relates to pregnancies with obstetric risk (placental disorders)
Widnes, S. F., Schjott, J., Granas, A. G., Risk perception and medicines information needs in pregnant women with epilepsy--a qualitative study, Seizure, 21, 597-602, 2012	No data on information needs regarding labour and birth - only regarding medication use in the antenatal period

### Economic studies

2 See Supplement 2 (Health economics) for details of economic evidence reviews and health  
3 economic modelling.

4

## Appendix E – Clinical evidence tables

### Information provision (women at high risk of adverse outcomes for themselves and/or their baby because of existing maternal medical conditions)

Study details	Participants	Methods	Findings	Comments
<p><b>Full citation</b> Martens, T. Z., Emed, J. D., The experiences and challenges of pregnant women coping with thrombophilia, JOGNN - Journal of Obstetric, Gynecologic, &amp; Neonatal Nursing, 36, 55-62, 2007</p> <p><b>Ref Id</b> 577773</p> <p><b>Country/ies where the study was carried out</b> Canada</p> <p><b>Study type</b> Qualitative study - semi-structured interviews.</p> <p><b>Aim of the study</b> To explore the experience of</p>	<p><b>Sample size</b> N = 9</p> <p><b>Characteristics</b> <u>Nature of thrombophilia</u> Antiphospholipid syndrome: n = 7 Factor V Leiden: n = 1 Protein S deficiency: n = 1</p> <p><u>Pregnancy status</u> Currently pregnant: n = 5 Given birth during previous year: n = 4</p> <p>Age range: 30 to 36 years</p> <p><b>Inclusion criteria</b></p> <ul style="list-style-type: none"> <li>diagnosis of acquired or inherited thrombophilia</li> <li>use of unfractionated or</li> </ul>	<p><b>Setting</b> Eligible participants were identified from the thrombosis clinic at a large university-affiliated hospital in Montreal.</p> <p><b>Data collection</b> Semi-structured interviews (lasting approximately 45 minutes) were conducted at a location convenient for the participant (such as their home, or the hospital). Participants were encouraged to tell their stories and expand on what they felt was significant.</p> <p>A single interviewer conducted all interviews over a period of four months.</p> <p><b>Data analysis</b> Thematic analysis was conducted.</p>	<p><b>Themes/categories</b> <b>Uncertainty about labour and birth</b> Participants were fearful about the process of giving birth whilst on LMWH.</p> <p><i>"So then you're worried because labor isn't always planned, right, and what if....I mean what if I went into labor at 33 [weeks] and I took [LMWH] yesterday or I took it today and I would worry that I would go into labor; what would ultimately happen, being on the medication and going into labor"</i></p> <p>Other participants expressed concern about the risk of an event in the two days during which they would stop their heparin prior to a planned induction of labour.</p>	<p><b>Limitations</b> Limitations were assessed using the CASP qualitative checklist.</p> <p><b>Aims:</b> Aim of the study was clearly reported, research design was appropriate for answering the research question.</p> <p><b>Sample selection:</b> Sample selection was clearly reported. The interviewees were all recruited from the same hospital.</p> <p><b>Data collection:</b> Data collection relied on semi-structured interviews lasting approximately 45 minutes. The women were encouraged to expand on their stories whatever they felt was important to tell. Data saturation was considered and discussed.</p> <p><b>Data analysis:</b> The analytical process was described and the use of predefined methods from the literature were referenced. Sufficient data is presented to support the findings. However, there is no reflection of the researcher's role, potential bias and influence.</p> <p><b>Findings/results:</b> Results were reported clearly with the generous use of quotations where appropriate (quotations</p>

Study details	Participants	Methods	Findings	Comments
<p>pregnancy in women with thrombophilia.</p> <p><b>Source of funding</b> Not reported.</p>	<p>low molecular weight heparin during pregnancy</p> <ul style="list-style-type: none"> <li>currently pregnant or had been pregnant within the last 12 months</li> </ul> <p><b>Exclusion criteria</b> Not reported.</p>	<p>Interviews were audiotaped and transcribed verbatim.</p> <p>Transcripts of the interviews and field notes were examined line by line, and key statements were highlighted and coded. Codes were then defined, categorised and compiled into themes. Themes were examined for overlap between participants and continually refined. Each step of the analysis was validated by the co-author.</p>		<p>and the researchers' own input were clearly distinguished). Regarding credibility of the findings, the paper reports that each step of the analysis and findings were validated by a co-author. The authors discuss the limitations of the study and where more research is needed.</p> <p><b>Overall quality:</b> Moderate</p> <p><b>Other information:</b> The study obtained formal ethical approval from the institutional review boards of the study hospital and the study university.</p>

1 LMWH: low molecular weight heparin

2

## Appendix F – Forest plots

### **Information provision (women at high risk of adverse outcomes for themselves 3 and/or their baby because of existing maternal medical conditions)**

4 No meta-analysis was undertaken for this review and so there are no forest plots.

## Appendix G – GRADE-CERQual tables

### Information provision (women at high risk of adverse outcomes for themselves and/or their baby because of existing maternal medical conditions)

4 Table 3: Qualitative evidence profile for theme 1 – uncertainty regarding birth

Study information		Description of review finding	CERQual assessment of the evidence		
Number of studies	Design		Criteria	Level of concern	Overall assessment of confidence (overall quality)
<b>Sub theme 1 – uncertainty and concern regarding discontinuation of heparin at the time of birth</b>					
1 (Martens 2007; Canada; N=9 women with thrombophilia)	Qualitative study using semi-structured interviews	Women were concerned about the risks at the time of birth associated with heparin infections (both going into spontaneous labour and being unable to stop their injections, and the risk of an event in the days during which heparin was discontinued)  <i>"So then you're worried because labor isn't always planned, right, and what if....I mean what if I went into labor at 33 [weeks] and I took [LMWH] yesterday or I took it today and I would worry that I would go into labor; what would ultimately happen, being on the medication and going into labor"</i>	Methodological limitations	No or very minor concerns	Moderate
			Relevance	No or very minor concerns	
			Coherence	No or very minor concerns	
			Adequacy	Minor concerns <sup>1</sup>	

5 LMWH: low weight molecular heparin

6 1 Only 1 study included in the review

## **Appendix H – Economic evidence study selection**

### **Information provision (women at high risk of adverse outcomes for themselves 3 and/or their baby because of existing maternal medical conditions)**

4 See Supplement 2 (Health economics) for details of economic evidence reviews and health  
5 economic modelling.

## **Appendix I – Economic evidence tables**

### **Information provision (women at high risk of adverse outcomes for themselves 8 and/or their baby because of existing maternal medical conditions)**

9 See Supplement 2 (Health economics) for details of economic evidence reviews and health  
10 economic modelling.

## **Appendix J – Health economic evidence profiles**

### **Information provision (women at high risk of adverse outcomes for themselves 13 and/or their baby because of existing maternal medical conditions)**

14 See Supplement 2 (Health economics) for details of economic evidence reviews and health  
15 economic modelling.

## **Appendix K – Health economic analysis**

### **Information provision (women at high risk of adverse outcomes for themselves 18 and/or their baby because of existing maternal medical conditions)**

19 See Supplement 2 (Health economics) for details of economic evidence reviews and health  
20 economic modelling.

## **Appendix L – Research recommendations**

### **Information provision (women at high risk of adverse outcomes for themselves 23 and/or their baby because of existing maternal medical conditions)**

24 No research recommendations were made for this review.