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Giving birth: Expectations of first time mothers in Switzerland at the mid point of pregnancy

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- 2 Problem and background: Despite a generally affluent society, the caesarean section
- 3 rate in Switzerland has climbed steadily in recent years from 22.9% in 1998 to 33.7%
- 4 in 2014. Speculation by the media has prompted political questions as to the
- 5 reasons. However, there is no clear evidence as to why the Swiss rate should be so
- 6 high especially in comparison with neighbouring countries.
- 7 Aim: To describe the emerging expectations of giving birth of healthy primigravid
- 8 women in the early second trimester of pregnancy in four Swiss cantons embracing
- 9 three languages.
- Methods: Qualitative individual interviews with 58 healthy primigravid women were
- audio recorded, transcribed and subjected to thematic analysis. Recruitment took
- 12 place through public and private hospitals, birth centres, obstetricians and
- independent midwives. The main ethical issues were informed consent, autonomy,
- 14 confidentiality and anonymity.
- 15 Findings: The three main themes identified were being in limbo, experiencing a
- 16 continuum of emotions and planning the birth.
- Discussion: Being pregnant was part of a project women had mapped out for their
- lives. Only three women in our sample expressed a wish for a caesarean section. One
- of the strongest emotions was that of fear but in contrast some participants
- 20 expressed faith that their bodies would cope with the experience.
- 21 Conclusion: Bringing together the three languages and cultures produced a truly
- 22 "Swiss" study showing contrasts between a matter of fact approach to pregnancy
- and the concept of fear. Such a contrast is worthy of further and deeper exploration
- by a multi- disciplinary research team.

25

- 26 **Kewords**: caesarean section, Switzerland, expectations, thematic analysis, decision
- 27 making in pregnancy.

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Statement of significance

- 30 Problem: one third of births in Switzerland, a land of high living standards and with
- 31 good health care facilities, are by caesarean section.

- What is already known: There are good antenatal and intrapartum services in
- 33 Switzerland but primarily provided by medical practitioners. Additionally, there are
- low perinatal and maternal morbidity and mortality rates.
- 35 What this study adds: healthy primigravid women enjoy normal daily work and social
- routines. They neither expect not desire a caesarean section at the mid point of
- 37 pregnancy.

Introduction and background

38

39 In recent years, the caesarean section rate in Switzerland has climbed steadily from 22.9% in 1998 to 33.7% in 2014[1]. One third of all babies in Switzerland are 40 41 therefore born by caesarean section although no corresponding decline in perinatal 42 mortality has been noted. Caesarean section is now generating considerable interest 43 from the media which are questioning its necessity, its associated costs and its longer term effects on women's and children's health in the country. Likewise, 44 45 political interventions on the topic are taking place both at national and regional 46 level. While such trends are not unique to Switzerland but parallel those in other 47 developed and developing countries, Switzerland's caesarean section rate has 48 climbed higher and faster than neighbouring countries and is now one of the highest in Europe [2]. In contrast, countries such as Finland and the Netherlands have a 50% 49 50 lower caesarean section rate. 51 The systematic review carried out for the World Health Organisation (WHO) 52 suggested that there was no justification for caesarean section rates over 15% in 53 developed countries [3]. While the specialist literature generally agrees that the 54 increasing caesarean section rate is due to medical indications [4], the caesarean 55 section rate recommended by WHO to ensure optimal maternal and infant health outcomes remains 10-15% [5,6]. In cases such as maternal fear of giving birth, other 56 forms of intervention may be possible to achieve the best outcomes. 57 The constantly increasing rate in the industrialised countries is a hotly debated topic 58 in both public and professional fora. Some see birth by caesarean section as a safe, 59 predictable and effective preventive alternative to unpredictable vaginal birth, while 60 others claim it as economically-driven, with unacceptably adverse effects on the 61 62 health of both mother and infant. Indeed, there is increasing evidence that the negative health consequences of caesarean section without a clear medical 63 64 indication are underestimated, and that the increase is not associated with improvements in perinatal mortality and morbidity [7,8]. Thus, a widespread theory 65 that the rise in caesarean sections could be attributed to an altered maternal risk 66 profile has not been confirmed [9]. In Switzerland large regional differences in 67 68 caesarean section rates particularly illustrate this point [10]. Comparable effective alternatives to surgery, such as focused pelvic floor exercises to prevent 69

70 incontinence [11] or psychological interventions to relieve women's fears of birth are often cited [12]. The findings of research into short-and long-term health 71 consequences of caesarean sections, such as postoperative pain and complications 72 73 in subsequent pregnancies often are not available to the women [9,13]. Healthy 74 newborns born at term also have a significantly increased risk of developing 75 respiratory distress syndrome [14], after a caesarean section. There is also some work suggesting that Infants' gut microbiome development may be disturbed by 76 caesarean section because the babies do not come into contact with microbes of the 77 78 mother's vaginal tract. These may become further inhibited by antibiotic 79 prophylaxis given to the woman before the skin incision [15] . Compared with 80 vaginal birth, the composition of the intestinal microbiota of infants born by elective 81 caesarean section show persistence of low amounts of bifidobacteria and 82 bacteroides and over-representation of enterococcus and clostridium which has 83 been linked to diabetes mellitus and other childhood diseases such as asthma. [16] . 84 Thus, caesarean section as a safe alternative to vaginal birth is questionable [7,17]. This was confirmed in a multi country study carried out for WHO in which 24 85 countries and 373 health facilities, representative of the global picture, participated 86 87 [18] . A total of 286,565 births was analysed. 27.5% of births were caesarean sections of which 1% had no stated medical indications. Compared with spontaneous 88 births, these showed increased risk of death, admission to intensive care units, blood 89 90 transfusion and hysterectomy. Gibbons et al [5], using a statistical modelling scheme, also showed in a background paper for WHO how the much higher costs 91 92 associated with unnecessary caesarean sections contribute to the global burden of 93 health inequality. The authors' definition of "unnecessary" appears somewhat 94 unclear but appears to be where the best known estimate of expected numbers of 15% from previous WHO studies is exceeded. Using this approach, they concluded 95 96 that in 2009, Switzerland carried out 10,147 unnecessary caesarean sections at a 97 cost of US\$ 20,277,952. 98 Action plans are in place in some countries, including Switzerland, to reduce the high 99 rates of caesarean section and associated costs. The Swiss action plans, however, 100 remain somewhat vague with a lack of clarity as to why and when the decision is 101 made to undertake a caesarean section and which factors influence this process. This

raises the related questions of the expectations of pregnant women of their birth, 102 how the decision is made for the particular mode of giving birth and women's 103 experience of giving birth in relation to the decision making processes. Several 104 105 reviews on the topic have been published . Kingdon et al's systematic review of 106 nulliparous women's views of planned caesarean section in national surveys and one 107 randomised controlled trial found inconclusive results and methodological problems, 108 stating a need for good qualitative research as a foundation for future research [19]. 109 Likewise, McCourt et al, whose inclusion criteria were wider, concluded in their 110 critique of 17 studies concerning women's preferences or request for elective 111 caesarean section that rigour is almost always questionable and "well conducted 112 studies focusing on women's views were lacking" [20,p. 78]. Mazzoni et al's systematic review and meta-analysis of women's preferences for caesarean section 113 114 analysed 38 observational studies globally [21]. While more systematic than Kingdon 115 et al's review, this review was restricted to quantitative studies and the authors highlighted the need for more and better research into the subject. 116 Other studies with a similar focus not included in the reviews were carried out in 117 Germany [13], Australia [22], Sweden [23] Norway [24] and the USA [9]. Most of them 118 119 offered cross sectional pictures of women's expectations using predetermined questions. Fenwick et al [25] used a descriptive qualitative design to explore 120 Western Australian women's expectations of childbirth. These were represented by 121 122 five themes depicting both positive and negative views. However, their stated aim of discovering women's reasoning for choosing a caesarean section was not really 123 addressed. 124 A further issue of particular relevance to the present study is the expectations that 125 126 women have of birth and how their own experiences influence this. No reviews but a few studies were located in this field. A study undertaken in Switzerland[26] 127 questioned how 251 participants' views of their birth experiences changed in the 128 first two years of their child's life and sought to identify whether any particular 129 130 groups were at risk of negative birth experiences. Data were collected at 72 hours post-partum and again in the second year after giving birth. The study is very useful 131 132 but the effect of the varying parity of the participants and the lack of focus on their 133 expectations leaves some unanswered questions as to the study's validity.

134	Despite reports in the popular media, the limited research findings show evidence
135	that very few women have the expectation of a caesarean section without any
136	obstetrical or psychological indication, preferring to focus on active participation in
137	labour and birth. While there is a growing body of research in this area reflecting the
138	importance of the topic, as yet there are limited well executed and reported studies
139	that examine the context in which the mode of birth is chosen. Few studies used a
140	longitudinal approach to explore the expectations of the mode of birth and the
141	influencing factors. Those cited above have used structured approaches which may
142	have limited the opportunity to explore how women's expectations might change
143	during the maternity experience. While the cited research reports have considerable
144	bearing on the present study, none of the results located are directly transferrable to
145	Switzerland although that of Wiklund et al [27] is relevant. In this, however,
146	participants were unable to voice their own opinions but had to match these to
147	questionnaires developed by health professionals. The present study aims to address
148	this deficit and create new knowledge in the field.
149	Aim
150	To describe the emerging expectations of giving birth of healthy primigravid women
151	in the early second strimester of pregnancy in four cantons (administrative areas) in
152	Switzerland.
153	
154	Methods
155	Setting
156	Four cantons in Switzerland formed the setting for this study. Zürich and St Gallen
157	are German speaking cantons, Vaud French speaking and Ticino Italian speaking .
158	Participants
159	Participants were 58 healthy women pregnant for the first time recruited from the
160	above cantons. All have been allocated pseudonyms. One woman who initially
161	agreed to take part dropped out because of work pressures.
162	Recruitment
163	Recruitment took place through gatekeepers in public and private hospitals, birth
164	centres, obstetricians and independent midwives. Information about the study was
165	given in writing and verbally by one of the researchers and 48 hours later women

who had tentatively indicated an interest in participating were contacted by phone 166 167 to discuss the project and what their participation would involve. Those who agreed to participate made an appointment to meet the researcher at a place and time of 168 169 their choosing. At the first meeting more questions were answered and a consent 170 form signed. 171 Ethical considerations The main ethical issues were informed consent, autonomy, confidentiality and 172 173 anonymity. Primary permission to undertake to study was given by the Ethics 174 Commission for Zürich (KEK-ZH-2014-0367). Secondary permission was granted by 175 the ethics commissions of each of the other three cantons. 176 Data collection Qualitative semi-structured interviews were chosen as the most appropriate method 177 178 for data collection. Interviews were open but a few key questions generated by the 179 whole team served as prompts. Data were collected at a place of each participant's 180 choice. Interviews lasted between 45 and 75 minutes. Interviews were audio-181 recorded, transcribed verbatim using the programme F4. 182 Data analysis Analysis was carried out in accordance with the method of Braun & Clarke [28]. 183 Transcripts were entered into the MaxQDA software package from which codes 184 were initially generated from each interview by the researcher who had collected 185 186 the data. These codes were recorded in the language of the interview. Memos pertaining to relevant codes and to every completed interview as a whole, as well as 187 significant codes were written in English and summarised the interview. The 188 interview memos then formed the first point of discussion amongst the team as to 189 190 commonalities and differences among participants. Out of this discussion themes were generated in each canton. These were then compared by the senior 191 192 researchers on each site and combined themes allowed to emerge. As a final member check these were discussed by the complete team and the quotes which 193 provided the best illustration determined. 194 195 **Trustworthiness** 196 Interviewers (authors 3-6) were experienced, female researchers based on two sites, 197 Lausanne and Zurich. Three were midwives, one a psychologist and one a sociologist.

Three had given birth. All were fluent speakers in the language in which they
collected the data and in English. All could read the three national languages. Prior
to commencing this project the researchers sat together and discussed their own
thoughts and ideas about giving birth to be aware of their own viewpoints and
potential biases. These thoughts were audio recorded or written down so that they
could be considered part of the data. At certain points during the study these
thoughts were revisited, checking to ensure that individual biases did not influence
the overall findings. All emergent codes were discussed in the teams on each site
and cantonal themes were compared between sites. The senior researchers in each
site also held monthly meetings ensuring consistency between the two sites, the
three languages, and the English translations of themes and quotes. Finally, the
whole team participated in agreeing final themes in accordance with the method.
Findings

Findings

Three major themes emerged <u>and</u> are discussed next. Where possible the participants' own words have been used. An overall theme or category, such as found in Grounded Theory studies, was not sought, but underpinning the three themes was the notion that becoming pregnant and thus giving birth was part of a lifelong project mapped out in advance. As Ronja stated:

It's simply a new, yes new, new thing, something that I have never experienced before.

Likewise Verena noted that:

You need to have a stable basis in the relationship [with the baby], then the birth can be built up like lego blocks.

Being in limbo: taking or avoiding decisions

At approximately this midway point in their pregnancies, participants all acknowledged the magnitude of the change their pregnancies could bring about but had differing responses. Claudia for example felt that:

At the beginning it wasn't the best because of the nausea, and then once you're past that it's putting on, piling on weight, I only could work half time because of that. Then eventually around the 19th week it slowly stopped. And now we're a bit better, I'm enjoying life again. I can do

230	more but I'm still really tired as well as working and there isn't room for
231	much more. So my focus is really the nausea and not so much on looking
232	forward to the baby and what's to come.
233	Claudia's views were supported by Nadine who stated:
234	at the beginning I wasn't looking forward to it at all. There's other
235	mothers who tell me that it wasn't any better for them in pregnancy. So
236	for me it was a bit like 'I must get through it'. So I really don't enjoy my
237	pregnancy even though I don't have the same complaints now.
238	However, the decision to start a family was seen by others as:
239	I'm a bit pragmatic because I think you just take it a month or even a
240	week at a time, it'll be ok or if not you need to rethink (Katja).
241	Scarlet noted that, as a self-preservation measure, she did not want to think too
242	much about being pregnant at the beginning of the pregnancy. But now in her
243	second trimester she started to acknowledge her pregnancy, and allowed herself to
244	think about the baby.
245	During the first three months, I reallyI forced myself not to build up any
246	emotional relationship with this "egg". I called him "egg" at the
247	beginning because I was really scared of having a miscarriage.
248	Hearing predominantly negative feedback about childbirth from friends and
249	relatives, some women perceived themselves as outsiders when thinking that birth
250	might be a positive experience. Feeling confident that the process may be not be as
251	difficult, painful and risky as predicted, Violette preferred not to speak about her
252	vision to avoid justifying herself or feeling marginalised.
253	Yes, I do not talk so much about it apart from with my family and my
254	close friends. This is something I do not speak about because I feel like
255	yes a bit different.
256	The magnitude of change also affected participants' views as to where and how they
257	would give birth, all being aware that these were elements to consider. Most
258	participants aimed for a vaginal birth, but two suggested that elective caesarean
259	section was the best choice in relation to their life needs and their views of their
260	medical needs, Mia articulating it:

To deal with this, it is better to choose a date, and thereafter we can 261 organise meetings or work. Then I know that this week and then the two 262 or three weeks after I am booked... well not really booked...but having a 263 264 pause and then it is the best way to organise my diary. Perceived maternal or infant risks in relation to place of birth were felt strongly by 265 266 the participants, those who chose alternatives to hospitals feeling compelled to justify their choices to disparaging friends and family members. Such discussions 267 were sources of stress, as the women who elected to give birth at home or in a birth 268 269 centre often heard negative comments about these settings. They were said to be 270 irresponsible and to take great risks to their own and their babies' health. Some 271 participants felt the need to discourage such negative discourses that intensified their fears or to question their decisions. 272 273 The gynaecologist told me that I would die in a birth centre. She told me, 274 'you'll have a haemorrhage and then you have to act fast and at the 275 hospital there's a neonatologist'. She said a lot of things which have also frightened me although I tried to laugh about it because I knew she was 276 277 just stupid, trying to justify her job in the sense that she wants me to give birth in her hospital because she makes money out of it. Anyway it's her 278 job and she believes in her job but still she managed to scare me [Lana] 279 Continuum of emotions: ideals/fears/faith 280 281 Although few of the women had unplanned pregnancies and the notion of them being a project was to the fore, it did not mean that they were immune from 282 emotions when considering their births. For some participants, the main emotion 283 was fear: 284 285 I think it's simply that I didn't have any trust. Until now nothing has come easily so the fear of....'why should it work first time'. Since then 286 287 you hear all these stories from round about...like someone lost it [the baby] in the seventh week and someone in the 12th. However I'm not 288 usually a timorous person. (Barbara) 289

While Barbara's fears appeared related to every aspect of her pregnancy, Rojna's

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fears focused on the birth itself:

Fear of the birth is already there, well fear of the pain. Or maybe we'll do 292 this but not this or this.... uncertainty maybe about when this little baby 293 is here. Because now it's easy, I carry it around with me. And birth is 294 295 another situation when you really have absolutely no idea what's 296 happening then, And after the birth all is changed. I just can't put words 297 to it. Rojna fears related primarily to uncertainties and these was also addressed by Freya 298 who felt a lack of control and worried about how to be proactive. 299 300 Yes, so I worry about when I have to go into the hospital. Because my 301 partner might not be here if he's abroad. Oh well...that's the way it 302 goes. But I do worry about what my role is, how I should prepare myself or is it all right. I don't do any preparation now, will I have enough 303 304 support from the people there? Or what will really happen in the birth; 305 how will it go, how will I know it's begun? There is nothing to make me 306 totally certain, I have absolutely no idea. On the other hand I say it can't be too big a deal because billions of women have done it, but like I say, I 307 308 want as much tuition as possible. 309 The fear of having to cope with such a frightening experience made participants think about possible approaches to birth with which they think they will be able to 310 311 cope. Well, I understand the desire to find a balance and have a birth that's as 312 serene as possible even though in my opinion anyway it's war, especially 313 the first time when you don't know what to expect. So whatever you 314 may imagine, read or have been told it will be 10,000 times worse or 315 316 different or better than anything one can imagine or read but anyway I think it will be WAR. [Julia] 317 Such negative representations might also impact on how participants envisaged 318 birth. When they felt that their physical integrity was threatened by the baby passing 319 through, or that their fear of childbirth is so intense, caesarean section was initially 320 contemplated as a simpler alternative. 321

322	There are some women who feel less torn after a caesarean section in
323	comparison with a vaginal deliveryThere are some women who
324	experienced issues and have flash backs. [Mia]
325	People are scared to suffer we hear sometimes women who say 'well,
326	me, I certainly do not want to give birth I would like to be put to sleep
327	completely and waken up when the baby is there' or things in the same
328	line, and I tell myself, well it's not like that that life functions. [Audrey]
329	Other representations of childbirth were more balanced, and relied on faith that
330	childbirth was a natural process traditionally achieved by giving birth vaginally. Some
331	women considered childbirth as a natural process which can be successfully
332	achieved. These women tended to feel confident in their own capacity to give birth
333	and cope with pain. Lucie reflects this:
334	From my point of view we are made for this, women, therefore, I do not
335	see why there could be a problem or anything else. So it's true, I am
336	quite laid-back about that.
337	Finally, some participants visualised that natural birth was the outcome of personal
338	preparation. Those women felt responsible for the outcome of childbirth and thus
339	envisaged caesarean section as a personal failure.
340	If I can avoid a caesarean section, it would be really, really nice because I
341	will be really disappointed if I go for a caesarean section; really
342	absolutely, absolutely disappointed. I will take it personally like I would
343	have badly managed, like I would have done something wrong even if it
344	is not the case. I try to convince myself before childbirth but For me I
345	think it would difficult psychologically, to accept. [Violette]
346	Some women who considered vaginal birth as in the natural order of things and
347	those who felt a personal responsibility to achieve natural birth planned to give birth
348	outside of a hospital. All referred to hospital in negative terms, revealing
349	representations suffused with fear of being submitted to protocols.
350	I feel like in the hospital, lots of things are done which are not necessary,
351	in order to reassure healthcare providers and so they do not miss
352	anything or so we cannot reproach them for anything. But I say there are

353	lots of things that happen in hospital that are not necessary yesand I
354	do not want to suffer from that [Florence]
355	Women felt the need to know as much as possible about pregnancy and childbirth. It
356	could be seen as a means of understanding their body changes and reducing the
357	fears of forthcoming childbirth.
358	I like to be informed if I can. It calms me down. I have more control of the
359	situation if I already know things. Then, I can know the details as time
360	passes but I have more or less an idea of how things will progress. This
361	makes me feel calmer. I'm not wondering now how badly I'm going to
362	do. I say to myself that I know these possibilities now and afterwards
363	we'll see. [Mina]
364	Several participants were active in seeking information. They used different sources
365	e.g: books, TV, films, conferences or meetings of groups promoting physiological
366	childbirth. Some of them accessed multiple sources of information to obtain a
367	satisfactory answer.
368	I, like a big girl, looked a bit for information elsewhere and then to
369	determine what the risk factors of tearing etc wereand then what
370	to do, so I am curious about that. Let's say I do not stop after one
371	version, even from my mum. After that I'll make my mind up on the
372	topic. [Juliette]
373	In some cases, seeking information led women to change their vision of childbirth
374	and to consider a different birth plan. It was especially true for those who got in
375	touch with groups promoting physiological birth.
376	I have attended lots of conferences from the association. They had lots of
377	events recently, I got informed, on wellwell what the choices are.
378	Because at the end, it's a world we discover, actually I did not know my
379	options in relation to childbirth [Sacha]
380	Most of the women did not initially consider giving birth in a birth centre, midwife
381	led unit, or at home. Some participants were unsure about the services provided
382	there or considered that the nature of the service provided did not fit their clinical
383	situation or needs. (e.g: lack of epidural, remote from the hospital, specialist
384	service).

The birth centre. I don't know... I have heard about that but I do not 385 know really what it is... so for me, hospital is the traditional thing, but I 386 have enough confidence in the traditional system, so I would say no. For 387 388 me a private hospital is something more exclusive which costs a bit more, 389 and is for the higher social class. I associate them with plastic surgery or 390 rehabilitation. [Scarlet] Planning the birth 391 Many participants, as part of their projects, had given careful consideration as to 392 393 how they would deal with labour and birth. Primiparous women, however, often 394 considered that the healthcare providers are the birth specialists so they relied on 395 them in the early antenatal period. Some women used them to validate or reject 396 their choice of mode of childbirth or to pursue options and make choices. 397 Regarding birth I've never really asked myself what it would be like. 398 Instead, with my midwife I have really built this idea. Perhaps right from 399 the start I built a new idea. She didn't really make me change my mind because before I didn't really have a true idea, but let's say that I 400 401 developed it with her help. [Lana] 402 Other women seemed to look for advice from health care professionals before making their own decisions regarding mode or place of birth. They expected to find 403 an opportunity to discuss or discover complementary aspects of important decisions. 404 405 I think that now I am influenced a bit by the people I met in the association and now I have to have the same discussion with the 406 obstetrician on the same subject and get another point of view, get 407 something different. [Sacha] 408 409 However, regarding making decisions during labour and specifically if something went wrong, women relied on their health care provider to make the final decision 410 about mode of birth. 411 [I must] have somebody in whom I have confidence, I can rely on, and 412 then it is this person who tells me.... Well, I have enough confidence to 413 tell myself that if she thinks that this or that has to be done, then I will 414 follow her. [Florence] 415

416	Several participants showed profound confidence in the hospital system or in their
417	obstetricians; one preferring to let him choose her mode of birth. For another
418	woman, it was the opposite, she insisted that there could not be a stronger influence
419	than herself, and it was your personal thoughts, supplemented with information that
420	would help her to make her choice.
421	I think it is not a question of I want to get rid of the decision making. I
422	think that the decisions belong first of all to the health care providers, to
423	the doctors, not the patients [Nora].
424	It has to do with your own responsibility to get informed well an adult
425	who is pregnant, it has to do a little with the person's responsibility to
426	get informed and even more to have the will to get informed, but after
427	all everybody is different [Scarlet]
428	Tajna appeared to have some clear paths in her mind while acknowledging that
429	nothing could be entirely certain:
430	So before labour, I need to know what happens, like that is A and B that I
431	need to do. And of course I want it all to go smoothly without
432	complications, that it just goes perfectly and I hope that until the due
433	date there's not too many problems so that I can get myself orientated.
434	Then I know it depends on each case and if everything doesn't go
435	smoothly there's the chance of an epidural.
436	A few participants described their ideal images of childbirth during the interview.
437	Childbirth can be seen as a moment when mother and baby help each other or a
438	difficult moment but one which strengthen the women in her future life. In each of
439	these cases, the guarantee of the ideal vision of childbirth is only possible if the birth
440	happens a birth centre or at home, where the women feel like they really listened to.
441	I'd like to see my childbirth a little ROMANTICALLY. That is, to think that
442	it really is a journey my baby and I do together and that we help each
443	other [Lana]
444	You read or you hear about these women who somehow after an hour or
445	even less have given birth. That would be great, a complication free
446	normal birth. Yes and not a long and unending painful labour leading to
447	complications. That would be good. I'm also against a caesarean but

448	wouldn't say no if it was necessary on medical grounds. Also I really
449	hope simply for a lot of support from the medical staff. [Freya]
450	Many women expressed their needs for continuity of care provider. Having a known
451	carer was linked to a feeling of security especially in such an unfamiliar experience as
452	the first childbirth.
453	I expect somebody to follow me from A to Z. [Léanne]
454	Being known by their care provider throughout pregnancy and childbirth was also
455	perceived as a guarantee that their desires would be respected.
456	The principles of safety and confidence are very important. And then it is
457	the advantage of the birth centre, in the fact that we have somebody
458	whom we have met who supports us, and knows our way of thinking.
459	[Juliette]
460	Some participants argued their wish for continuity of care provider in relation to
461	institutional organisation of care. Based on testimonies or on their knowledge of the
462	system, they anticipated potential difficulties in securing continuity with their lead
463	provider and looked for the best way to answer them.
464	The hospital system, I think I would be stressed withall the comings and
465	goings that might exist around me, I heardFurthermore, lots of people
466	told me that often during and after childbirth there are lots of people
467	who come round, we do not have necessarily one person who looks after
468	you. Then, we can have lots of different advice and this yes I would be
469	anxious and unsettled because of all the different advice [Lucie]
470	For women, it was particularly important to give birth where their HCP in the
471	institution where their HCP was working.
472	I didn't choose the hospital but simply my obstetrician works at this
473	facility and therefore I've known for the past five or six years that I would
474	have given birth there if I didn't change my physician. I already liked the
475	idea anyway so the choice has somewhat been influenced by the
476	obstetrician. [Nina]
477	
478	Discussion

479 In the previous section some carefully selected quotes have been presented to allow key responses of the participants to be presented in their own words. Hence, this 480 section simply highlights and develops a few of the major points in relation to other 481 482 published literature. 483 While all of the participants acknowledged there had been a huge change in their 484 lives, their responses showed no unanimity, some being too busy with other issues to deal with it and others immediately deciding upon their place and mode of birth. 485 The metaphors expressed by women such as likening pregnancy and birth to building 486 487 with lego blocks suggest that being pregnant was simply part of a project they had 488 mapped out for their lives. This tied in with the responses of several participants 489 who appeared to have given the subject little thought but when asked about how they would like to give birth all responded that they aimed for a vaginal birth. 490 491 However, for some, it appeared to be a question reflected back to the researcher as 492 if to say "what else would we do?" Only three women in our sample expressed a 493 wish for a caesarean section at the midway point of the pregnancy thereby supporting previous findings [20, 21] but contradicting the current popular belief 494 495 that many women wish to have a caesarean section. 496 One of the strongest emotions expressed by participants was that of fear. As shown in the preceding section for one participant the fear was so great she refused to 497 allow herself to build up a relationship with her developing baby to the extent of 498 499 calling it an "egg". This is contradictory to the trend experienced in recent years whereby health professionals have sought to use language which is considered in 500 keeping with the language that health service consumers might use. A key example 501 502 of this is the tendency to use the word "baby" rather than "fetus" throughout 503 pregnancy, not simply in discussion with women but in clinical records. Less uncommon is the fear of pain or loss of control during labour which appeared to be a 504 505 major concern for many participants. While this has been described in recent studies, [29, 20] the depth of emotions reported by some of the participants showed 506 extreme imagery such as "war" or "being put to sleep" suggested that such fears are 507 deeply embedded and may be a previously unarticulated phenomenon. It also 508 509 suggested that for some women the total passivity experienced in birth 70 years ago

when they were actually anaesthetised and the cervix manually dilated may have 510 been welcomed here. [31] 511 In contrast to fear some participants expressed faith that their bodies would cope 512 513 with the experience but that they could not simply stand back and let this happen. 514 This contrast is also expressed in other studies [32, 33] Here, participants were 515 proactively considering various options but at the same time, still having fears that alternatives to state run hospitals were perhaps lacking in essentials. For a country 516 517 that has a comprehensive midwifery service, funded by all major insurance 518 companies, this is a somewhat surprising finding. It, however, ties in with the feeling 519 expressed by most participants that when they became pregnant the obvious thing 520 to do was to go to their obstetricians, thus receiving most of their information from them. In Switzerland, regardless of insurance packages, every woman has the right 521 522 to have a gynaecologist and many do so and from when they are teenagers. Thus, in 523 the present study some participants had built up relationships with their gynaecologists over a period of years, so turning to them for obstetric services. 524 525 While research literature has shown the unique relationship midwives have with women by continuity of midwifery care over a long period of time, in the present 526 527 study what continuity was sought varied amongst participants. Conclusions, limitations and recommendations 528 The results have generally supported other research findings but they have also 529 530 generated new knowledge which is relevant and worthy of further exploration. In particular the notion of pregnancy as a project underpinned by strong emotions 531 appears to be a new development. The feeling of limbo is also new as participants 532 were healthy and other "projects" such as work ,sport or other social activities were 533 534 still being given higher priority at this point of the pregnancy. It is the first such study to be carried out in Switzerland. While a relatively small 535 country, it represents a microcosm certainly of mainland Europe and possibly of 536 other areas in that it contains three major language regions, from four cantons, each 537 with its own culture and customs. In bringing together the data the plan was not to 538 compare and contrast the regions but to consider the "Swiss" experience and the 539 results of the analysis have focused on the commonalities. Nonetheless, it could also 540 541 be of value to consider the similarities and differences between the different regions of the country so that institutions such as insurers which cover the whole country can ensure they cover the most appropriate services. The sample in this study was "healthy primigravid women". Regardless of this, an unexpected finding was the matter of fact approach to pregnancy articulated by many of the participants. Given the time and energy invested in antenatal care and more particularly the different childbirth education and parentcraft classes on offer, these are something that health care providers might like to reconsider. Likewise, midwives, wishing to provide the complete range of services throughout the pregnancy continuum, need to give much higher consideration as to how their services can become more visible, mainstream and acceptable. The concept of fear was a major issue. While it is neither unrealistic nor unhealthy to express a fear of the unknown, the emphasis placed on this was much higher than expected and also presented a conundrum when considered alongside the matter of fact approach that the same women appeared to express. Such a contrast is worthy of further and deeper exploration by a multi- disciplinary research team. This study provides the basis for further data collection and longitudinal comparison at later points in the pregnancy and post natal period. Such work is ongoing. While the sampling strategy was intended to be as appropriate as possible, and a vast amount of data was generated, qualitative research can never be truly representative of the population as a whole. Therefore it is planned that the results of this study together with those from the later time periods be used to generate a questionnaire for testing in a larger sample of women giving birth in Switzerland.

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