Table S2: The full list of 60 indicative questions presented in groups by phase of pregnancy, with rank by groups. Darker grey indicates higher number of questions, votes or priority rank. Top ten are highlighted. All – aggregated across all groups; W&SN – Women and support networks; HCP – Healthcare professionals; EM – Ethnic minorities; T2D/other – Type 2 diabetes and other types not separately listed; T1D – Type 1 diabetes; GDM – Gestational Diabetes.

#	Phase of pregnancy	Broad category	Indicative Question	FINAL RANK		Interi	im surv	ey rak	ing by gr	oup		Init	ial survey count b		
					All	W&SN	НСР	EM	T2D/ Other	T1D	GDM	All	W&SN	НСР	Other/ unk
1	Before pregnancy	The time before pregnancy	What effect does diabetes, or previous gestational diabetes, have on a woman's fertility (ability to get pregnant and number of pregnancies)?	40	40	18	52	21	59	33	20	7	7	0	0
2	Before pregnancy	The time before pregnancy	How can a woman with diabetes best prepare for pregnancy? For example blood sugar level targets, nutrition.	14	12	36	10.5	37.5	18.5	16.5	38.5	10	4	6	0
3	Before pregnancy	The time before pregnancy	How much and for how long should women with diabetes take folic acid before pregnancy?	57	57	54	57	44.5	57.5	47	54.5	2	2	0	0
4	Before pregnancy	The time before pregnancy	For women with diabetes, what factors (i.e. their age, the duration they have had diabetes, contraception) may be important to consider when planning to have a family?	55	55	52	52	49	44.5	33	53	6	5	1	0
5	Before pregnancy	1. The time before pregnancy	How can care and services be improved for women with diabetes who are planning pregnancy? For example, removing barriers to attending pre-pregnancy clinics.	10	13	47	2	33	2	10	45	37	4	32	1
6	During pregnancy	2. Diagnosis of diabetes, particularly GDM, and understanding the risks and prevention	What is the best test to diagnose diabetes in pregnant women?	1	15	46	7	13	8	43	21.5	14	0	14	0

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#	Phase of	Broad category	Indicative Question	FINAL		Interi	im surv	ey rak	ing by gr	oup		Initi	ial survey		
	pregnancy			RANK									count b	y grou	р
					All	W&SN	НСР	EM	T2D/ Other	T1D	GDM	All	W&SN	НСР	Other/ unk
7	During pregnancy	2. Diagnosis of diabetes, particularly GDM, and understanding the risks and prevention	What are the different types of diabetes that develop in pregnancy and how can they be promptly and accurately diagnosed?	60	60	60	59	57	60	60	59	3	1	2	0
8	During pregnancy	2. Diagnosis of diabetes, particularly GDM, and understanding the risks and prevention	What is the best way to test for and treat diabetes in late pregnancy i.e. after 34 weeks?	7	16	57.5	4	44.5	3.5	41	43.5	29	1	28	0
9	During pregnancy	 Diagnosis of diabetes, particularly GDM, and understanding the risks and prevention 	Does testing all pregnant women for gestational diabetes improve pregnancy outcomes?	17	8	20.5	5.5	16	7	47	8.5	11	3	8	0
10	During pregnancy	2. Diagnosis of diabetes, particularly GDM, and understanding the risks and prevention	Why do some women develop diabetes in pregnancy and others don't? Can this be predicted for individual women?	30	30	16.5	36.5	5.5	44.5	59	8.5	34	24	4	6
11	During pregnancy	2. Diagnosis of diabetes, particularly GDM, and understanding the risks and prevention	What are the most effective ways (i.e. diet, lifestyle, medication) to prevent a woman developing diabetes in pregnancy?	26	26.5	30	20	8.5	37.5	55	17	28	13	12	3
12	During pregnancy	3. How diabetes, blood sugar or non-blood sugar factors, affects pregnancy (and fetus) and vice versa	What causes women with diabetes in pregnancy to have larger or smaller than average sized babies, and can it be prevented from happening?	38	37.5	20.5	45	21	22	20.5	21.5	10	6	4	0

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#	Phase of	Broad category	Indicative Question	FINAL	, , , , , , , , , , , , , , , , , , , ,										
	pregnancy			RANK									count b	y grou	р
					All	W&SN	НСР	EM	T2D/ Other	T1D	GDM	All	W&SN	НСР	Other/ unk
13	During pregnancy	3. How diabetes, blood sugar or non-blood sugar factors, affects pregnancy (and fetus) and vice versa	For women with diabetes, what is the best way to monitor the baby's health during pregnancy? For example, timing of scans, in pregnancies where the baby is larger than average size, etc.	23	22.5	11	32	13	37.5	15	15.5	5	1	3	1
14	During pregnancy	3. How diabetes, blood sugar or non-blood sugar factors, affects pregnancy (and fetus) and vice versa	How do we diagnose or predict problems with the baby in the womb caused by diabetes in pregnant women?	42	42	28.5	45	27.5	37.5	40	27	8	6	2	0
15	During pregnancy	3. How diabetes, blood sugar or non-blood sugar factors, affects pregnancy (and fetus) and vice versa	Can the risk of pregnancy loss (miscarriage, fetal death or stillbirth) be predicted in women with diabetes?	27	26.5	25	25	37.5	25.5	22	27	12	4	7	1
16	During pregnancy	3. How diabetes, blood sugar or non-blood sugar factors, affects pregnancy (and fetus) and vice versa	Does variation in a woman's blood sugar (level, range and duration) affect their pregnancy and baby, and if so, how?	29	29	12	40.5	21	40	13	18.5	28	23	4	1
17	During pregnancy	3. How diabetes, blood sugar or non-blood sugar factors, affects pregnancy (and fetus) and vice versa	What factors aside from maternal blood sugar levels have an effect on pregnancy outcomes? Can these be tested for and used to improve the outcomes of the pregnancy?	34	34	42.5	20	37.5	10.5	20.5	37	6	4	2	0

Supplementary information

#	Phase of	Broad category	Indicative Question	FINAL		Interi	im surv	ey rak		Init	ial survey				
	pregnancy			RANK	A 11	14/0 CN	1160		T2D /	T4.D	6014	A 11	count b		
					All	W&SN	НСР	EM	T2D/	T1D	GDM	All	W&SN	НСР	Other/
10	Desires	2 Haw diabates	Farmanan with diabatas dasa	49	49	38	52	40	Other	18	52	0		1	unk
18		3. How diabetes,	For women with diabetes, does	49	49	38	52	49	49.5	18	52	8	6	1	1
	pregnancy	blood sugar or non-blood	pregnancy affect their risks of												
		sugar factors, affects	diabetes-related complications?												
		pregnancy (and fetus)	Does the risk change with further												
10	Desira	and vice versa	pregnancies?	27	37.5	49	10 5	40	25.5	21	1.0	42	33	9	1
19		4. How diabetes can	What is the best way to medically	37	3/.5	49	16.5	49	25.5	31	46	43	33	9	1
	pregnancy	be managed and how management is affected	manage blood sugar levels during pregnancy for women with												
		by pregnancy/ diabetes	different types of diabetes? This												
		type	includes finding new treatments.												
20	During	4. How diabetes can	For women with diabetes, what	3	14	8	45	3	37.5	28.5	10	47	23	22	2
20	pregnancy	be managed and how	is the best way to manage blood	3	14	J	73	5	37.3	20.5		7/	25	22	
	pregnancy	management is affected	sugar levels using diet and												
		by pregnancy/ diabetes	lifestyle during pregnancy?												
		type	Wider factors to consider include												
		-77	maternity leave, dietitian												
			services, safety and effectiveness												
			of specific diets e.g. low												
			carbohydrate, personalised												
			diets.												
21	During	4. How diabetes can	What is the best way to monitor	44	44	45	36.5	41	54	43	41	8	2	6	0
	pregnancy	be managed and how	blood sugar levels of pregnant												
		management is affected	women with diabetes?												
		by pregnancy/ diabetes													
		type													

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					All	W&SN	НСР	EM	T2D/ Other	T1D	GDM	All	W&SN	НСР	Other/ unk
22	During pregnancy	4. How diabetes can be managed and how management is affected by pregnancy/ diabetes type	How can diabetes and pregnancy management be tailored for individual women during their pregnancy? Taking into account, for example, different types of diabetes, the phase or type of pregnancy, risk to pregnancy, or women's own preferences.	45	45	37	45	57	47	37	38.5	34	17	15	2
23	During pregnancy	4. How diabetes can be managed and how management is affected by pregnancy/ diabetes type	What psychological interventions can help motivate or support pregnant women in their diabetes management?	31	31	40	14.5	53.5	29	28.5	34	3	0	3	0
24	During pregnancy	4. How diabetes can be managed and how management is affected by pregnancy/ diabetes type	Are diabetes medications (e.g. metformin, insulin) safe in pregnancy and for the baby in the short and long term?	33	33	19	40.5	33	33	50	13	24	16	8	0
25	During pregnancy	5. How pregnancy complications are managed including steroids	What is the best way to manage sickness/vomiting in pregnancy with diabetes? For example, hyperemesis in women with type 1 diabetes.	51	51	51	40.5	59.5	49.5	24.5	56.5	6	3	3	0
26	During pregnancy	5. How pregnancy complications are managed including steroids	How can the diagnosis and management of preeclampsia be improved for pregnant women with diabetes with and without diabetes-related complications e.g. diabetic nephropathy?	56	56	53	52	49	49.5	30	54.5	5	3	2	0

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					All	W&SN	НСР	EM	T2D/ Other	T1D	GDM	All	W&SN	НСР	Other/ unk
27	During pregnancy	5. How pregnancy complications are managed including steroids	How can we optimise the benefits and reduce the risks of steroid administration in pregnant women with diabetes?	52	52	59	36.5	44.5	22	47	56.5	9	2	6	1
28	During pregnancy	5. How pregnancy complications are managed including steroids	In women with diabetes, does diabetic neuropathy affect the woman's ability to feel and detect movements of their baby in the womb? What impact does this have on risks and outcomes?	59	58.5	57.5	55.5	53.5	52	55	58	1	1	0	0
29	Labour and birth	6. Labour and birth	In women with diabetes, what is the best way to manage their blood sugar levels during labour and delivery? For example, blood sugar targets, women managing their diabetes themselves, insulin infusions/sliding scale, use of diabetes management/monitoring technology.	15	5	7	8.5	33	5.5	2	15.5	18	14	4	0
30	Labour and birth	6. Labour and birth	Why does being on diabetes medications in pregnancy affect the way women can give birth?	47	47	35	52	27.5	49.5	57.5	29.5	2	1	1	0
31	Labour and birth	6. Labour and birth	When is it safe for pregnant women with diabetes to have a vaginal birth compared to e.g. a caesarean section?	48	48	33	55.5	41	55.5	26	47	19	15	3	1

#	Phase of pregnancy		Broad category	Indicative Question	FINAL RANK		Interi	m surv	ey rak	oup		Initi	ial survey count b			
						All	W&SN	НСР	EM	T2D/ Other	T1D	GDM	All	W&SN	НСР	Other/ unk
32	Labour and birth	6.	Labour and birth	Is it always necessary for pregnant women with diabetes to be induced?	18	6	9	12.5	7	13	14	6.5	17	15	2	0
33	Labour and birth	6.	Labour and birth	In pregnant women with diabetes, how does diabetes affect whether inducing birth will work?	54	54	40	60	49	55.5	51	43.5	2	2	0	0
34	Labour and birth	6.	Labour and birth	When is it safe for pregnant women with diabetes to give birth at full term compared with early delivery via induction or elective caesarean? For example, factors may include managing timing of delivery according to changes in blood sugar levels, insulin requirements, size of the baby.	5	1	3	3	5.5	5.5	4	4	16	9	4	3
35	Labour and birth	6.	Labour and birth	When is it safe for women with diabetes to give birth at home or in a midwifery unit/birthing centre compared with a hospital birth?	24	24	22.5	25	27.5	15	37	13	4	0	4	0
36	Labour and birth	6.	Labour and birth	Do all women with diabetes need continuous Electronic Fetal Monitoring during labour?	35	35	31.5	32	33	25.5	37	33	1	0	1	0
37	Labour and birth	6.	Labour and birth	Is it possible to predict shoulder dystocia in pregnant women with diabetes, and does this improve pregnancy and birth outcomes?	43	43	44	32	27.5	18.5	47	31.5	2	0	2	0

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					All	W&SN	НСР	EM	T2D/ Other	T1D	GDM	All	W&SN	НСР	Other/ unk
38	Labour and birth	6. Labour and birth	What are the labour and birth experiences of women with diabetes, and how can their choices and shared decision making be enhanced?	9	11	10	32	21	18.5	8	13	6	3	3	0
39	After pregnancy and birth	7. The time after birth, specifically breastfeeding, and long term effects on the child	How does breastfeeding affect diabetes management for the mother? How can women with diabetes be better supported during breastfeeding?	32	32	28.5	28	27.5	41.5	12	48	37	31	6	0
40	After pregnancy and birth	7. The time after birth, specifically breastfeeding, and long term effects on the child	What effect does diabetes have on breastmilk and breastfeeding? For example, the safety of diabetes medications, and low-carbohydrate diets.	41	41	22.5	48.5	16	44.5	23	31.5	26	21	5	0
41	After pregnancy and birth	7. The time after birth, specifically breastfeeding, and long term effects on the child	How effective is collecting colostrum/breast milk before birth in improving clinical outcomes for the baby when born? When is the best time to collect this?	28	28	26.5	25	44.5	44.5	27	27	8	3	5	0
42	After pregnancy and birth	7. The time after birth, specifically breastfeeding, and long term effects on the child	Does diabetes in the mother affect the short and long-term risk of the child (and future generations) developing diabetes and can it be prevented?	12	9	5	23	21	15	5	11	64	52	8	4

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					All	W&SN	НСР	EM	T2D/ Other	T1D	GDM	All	W&SN	НСР	Other/ unk
43	After pregnancy and birth	7. The time after birth, specifically breastfeeding, and long term effects on the child	What are the long-term effects on the child (apart from risk of diabetes) due to the mother having diabetes during pregnancy? For example, weight in the short and long term, and mental development.	11	2	1	8.5	1	3.5	6	2	86	72	12	2
44	After pregnancy and birth	7. The time after birth, specifically breastfeeding, and long term effects on the child	What is the best way to prevent, monitor, and manage low blood sugar levels of babies born to mothers with diabetes during pregnancy?	22	22.5	15	28	13	25.5	7	29.5	18	12	6	0
45	After pregnancy and birth	8. The time after birth, specifically long term effects of pregnancy on the woman with diabetes	In women with diabetes, what effect does pregnancy have on diabetes-related complications (pre-existing and new) later on in their life?	39	39	31.5	36.5	57	29	11	50	29	23	6	0
46	After pregnancy and birth	8. The time after birth, specifically long term effects of pregnancy on the woman with diabetes	In women with gestational diabetes, what is best way to reduce their risk or prevent them from developing other types of diabetes any time after pregnancy?	8	3	6	5.5	2	9	52	3	64	46	14	4
47	After pregnancy and birth	8. The time after birth, specifically long term effects of pregnancy on the woman with diabetes	In women with gestational diabetes, what are the long-term effects of diabetes on their health, such as heart disease, any time after pregnancy? Can this be prevented?	19	18	16.5	16.5	27.5	22	53	6.5	22	16	4	2

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					All	W&SN	НСР	EM	T2D/ Other	T1D	GDM	All	W&SN	НСР	Other/ unk
48	After pregnancy and birth	8. The time after birth, specifically long term effects of pregnancy on the woman with diabetes	What are the specific postnatal care and support needs of women with diabetes and their infants? For example, breastfeeding, recovery from childbirth, managing diabetes with a newborn.	6	20	13.5	28	10.5	33	3	35.5	9	8	1	0
49	After pregnancy and birth	8. The time after birth, specifically long term effects of pregnancy on the woman with diabetes	What is the best way to follow-up and screen women with gestational diabetes after their pregnancy?	25	25	34	14.5	21	33	55	18.5	10	4	6	0
50	Cross- cutting	9. Technology in managing pregnancy with diabetes	How can diabetes technology be used to improve pregnancy, birth, and mother and child health outcomes? For example, continuous and glucose flash monitoring, insulin pumps, closed loop systems, apps, etc.	1	4	13.5	1	10.5	1	1	23	10	3	6	1
51	Cross- cutting	9. Technology in managing pregnancy with diabetes	How effective (clinically and cost) is the use of continuous glucose monitoring in pregnant women with diabetes?	36	36	42.5	22	37.5	29	37	35.5	7	2	5	0
52	Cross- cutting	9. Technology in managing pregnancy with diabetes	How safe and effective is the use of closed loop systems (also known as artificial pancreas) in improving outcomes of pregnancy and birth?	50	50	50	40.5	59.5	53	19	60	3	2	1	0

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					All	W&SN	НСР	EM	T2D/ Other	T1D	GDM	All	W&SN	НСР	Other/ unk
53	Cross- cutting	10. Mental health and wellbeing before, during and after pregnancy with diabetes	What are the emotional and mental well-being needs of women with diabetes before, during, and after pregnancy, and how can they best be supported?	4	7	4	20	8.5	18.5	9	5	14	12	2	0
54	Cross- cutting	10. Mental health and wellbeing before, during and after pregnancy with diabetes	How can support networks i.e. family and friends, help to support women with the challenges they face in pregnancy? Also, how can support networks themselves be supported?	58	58.5	55	58	53.5	57.5	57.5	51	6	5	1	0
55	Cross- cutting	11. Healthcare services including models and standards of care delivery in managing pregnancy with diabetes	How should diabetes specialists and clinics be involved at all stages, pre-pregnancy to after birth, for women with diabetes?	46	46	40	45	16	33	37	41	3	3	0	0
56	Cross- cutting	11. Healthcare services including models and standards of care delivery in managing pregnancy with diabetes	How can remote clinics (telemedicine) be used to improve care for pregnant women with diabetes?	13	17	56	10.5	41	15	43	49	4	0	4	0
57	Cross- cutting	11. Healthcare services including models and standards of care delivery in managing pregnancy with diabetes	How can community care services for pregnant women with diabetes be improved?	53	53	48	48.5	53.5	41.5	47	41	3	0	3	0

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					All	W&SN	НСР	EM	T2D/	T1D	GDM	All	W&SN	НСР	Other/
									Other						unk
58	Cross-	11. Healthcare services	Why do standards and advice for	16	10	2	32	4	33	33	1	3	3	0	0
	cutting	including models and	pregnant women with diabetes												
		standards of care	vary across NHS Trusts?												
		delivery in managing													
		pregnancy with diabetes													
59	Cross-	11. Healthcare services	How can continuity of care and	20	19	26.5	12.5	33	10.5	24.5	24.5	18	14	4	0
	cutting	including models and	support services be improved for												
		standards of care	women with diabetes before,												
		delivery in managing	during and after pregnancy?												
		pregnancy with diabetes													
60	Cross-	11. Healthcare services	What information e.g. on risks or	21	21	24	18	21	12	16.5	24.5	15	12	2	1
	cutting	including models and	complications, should be given to												
		standards of care	women with diabetes during their												
		delivery in managing	pregnancy? What is the best way												
		pregnancy with diabetes	to give this information?												