

## Questionnaire for Obstetrician

### 1. Background information

Variable	N	Response frequencies				
<b>How many years of work experience do you have in ...?</b>						
		<b>0</b>	<b>&lt; 5 years</b>	<b>5 – 15 years</b>	<b>16 – 25 years</b>	<b>&gt; 25 years</b>
A private practice	9	3 (33.33%)	1 (11.11%)	4 (44.44%)	0 (0.00%)	1 (11.11%)
A secondary care center	9	7 (77.77%)	1 (11.11%)	1 (11.11%)	0 (0.00%)	0 (0.00%)
A primary care center	9	0 (0.00%)	0 (0.00%)	7 (77.77%)	1 (11.11%)	1 (11.11%)
<b>How many percent of work experiences do you have on ...?</b>						
		<b>0 – 20%</b>	<b>21 – 40%</b>	<b>41 – 60%</b>	<b>61 – 80%</b>	<b>81 – 100%</b>
The delivery room	9	2 (22.22%)	2 (22.22%)	2 (22.22%)	3 (33.33%)	0 (0.00%)
Gynaecology	9	3 (33.33%)	6 (66.66%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
Oncology	9	6 (66.66%)	2 (22.22%)	1 (11.11%)	0 (0.00%)	0 (0.00%)
Fertility	9	8 (88.88%)	1 (11.11%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

## 2. Perception about remote monitoring

Variable	N	Response frequencies				
<b>On a scale from 1 to 5 (with 5 being mostly agree) how would you rate the use of remote monitoring as being an added value for ...</b>						
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
The pregnant woman	9	1 (11.11%)	0 (0.00%)	1 (11.11%)	4 (44.44%)	3 (33.33%)
The midwife	9	2 (22.22%)	0 (0.00%)	4 (44.44%)	3 (33.33%)	0 (0.00%)
The general practitioner	9	2 (22.22%)	1 (11.11%)	3 (33.33%)	3 (33.33%)	0 (0.00%)
The gynecologist	9	1 (11.11%)	0 (0.00%)	1 (11.11%)	6 (66.67%)	1 (11.11%)
The society	9	1 (11.11%)	0 (0.00%)	3 (33.33%)	5 (55.56%)	0 (0.00%)
<b>On a scale from 1 to 5 (with 5 being mostly agree), how would you rate the devices which are used on this moment to detect pre-eclampsia?</b>						
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
The blood pressure monitor	9	0 (0.00%)	1 (11.11%)	0 (0.00%)	5 (55.56%)	3 (33.33%)
The activity tracker	9	2 (22.22%)	4 (44.44%)	3 (33.33%)	0 (0.00%)	0 (0.00%)
The weight scale	9	1 (11.11%)	3 (33.33%)	3 (33.33%)	2 (22.22%)	0 (0.00%)
<b>Rate the following questions on a scale from 1 to 5 (with 5 being mostly agree).</b>						
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
I can easily convince my patients of the added value of remote monitoring	9	1 (11.11%)	0 (0.00%)	1 (11.11%)	3 (33.33%)	4 (44.44%)
The relationship between me and my patients is strongly changed in a positive way	9	1 (11.11%)	1 (11.11%)	5 (55.56%)	2 (22.22%)	0 (0.00%)
I am obligated to change the prenatal follow-up of my patients by using remote monitoring	9	1 (11.11%)	4 (44.44%)	2 (22.22%)	1 (11.11%)	1 (11.11%)

### 3. Application

Variable	N	Response frequencies				
Rate the following questions on a scale from 1 to 5 (with 5 being mostly agree).						
		1	2	3	4	5
Before the study started, I did already know what remote monitoring meant.	9	1 (11.11%)	3 (33.33%)	1 (11.11%)	2 (22.22%)	2 (22.22%)
Before the study started, I did already know what remote monitoring aims.	9	2 (22.22%)	0 (0.00%)	2 (22.22%)	3 (33.33%)	2 (22.22%)
Before the study started, I already had some practical experiences with remote monitoring.	9	6 (66.67%)	1 (11.11%)	0 (0.00%)	2 (22.22%)	0 (0.00%)
The use of remote monitoring is an added value on my daily work package.	9	0 (0.00%)	1 (11.11%)	2 (22.22%)	5 (55.56%)	1 (11.11%)
The use of remote monitoring is an threat for my daily work package.	9	1 (11.11%)	4 (44.44%)	2 (22.22%)	1 (11.11%)	1 (11.11%)

#### 4. Education

Variable	N	Response frequencies				
On a scale from 1 to 5 (with 5 being mostly agree), on which item do you think (para)medical personnel should have an extra education before they start to work with remote monitoring?						
		1	2	3	4	5
Which explanation we have to give the patients before they start to use remote monitoring.	9	1 (11.11%)	1 (11.11%)	0 (0.00%)	3 (33.33%)	4 (44.44%)
How we can support the patients in order to have a high compliance rate.	9	0 (0.00%)	1 (11.11%)	1 (11.11%)	3 (33.33%)	4 (44.44%)
About the technology of the devices which are used for remote monitoring.	9	0 (0.00%)	1 (11.11%)	0 (0.00%)	3 (33.33%)	5 (55.56%)
About the protocols which have to be used in the remote monitoring of different complications.	9	1 (11.11%)	0 (0.00%)	0 (0.00%)	4 (44.44%)	4 (44.44%)

## 5. Quality and patient safety

Variable	N	Response frequencies				
<b>Rate the following questions on a scale from 1 to 5 (with 5 being mostly agree).</b>						
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Do you think that remote monitoring will make the patient unnecessarily worried?	9	3 (33.33%)	3 (33.33%)	2 (22.22%)	1 (11.11%)	0 (0.00%)
Do you think that remote monitoring will give the patient a false safety feeling?	9	1 (11.11%)	5 (55.56%)	2 (22.22%)	1 (11.11%)	0 (0.00%)
Do you think that remote monitoring will make your work easier?	9	1 (11.11%)	0 (0.00%)	5 (55.56%)	3 (33.33%)	0 (0.00%)
Do you think that a remote monitoring prenatal follow-up program the care for women with a high risk for gestational hypertensive disorders improves?	9	0 (0.00%)	1 (11.11%)	2 (22.22%)	5 (55.56%)	1 (11.11%)
Do you think that a shift in healthcare is possible by using remote monitoring?	9	1 (11.11%)	0 (0.00%)	3 (33.33%)	5 (55.56%)	0 (0.00%)
Do you think that remote monitoring will be a standard tool in healthcare in the future?	9	1 (11.11%)	0 (0.00%)	1 (11.11%)	7 (77.78%)	0 (0.00%)
Do you think it would be agreeable when more remote monitoring studies will be performed in the future?	9	0 (0.00%)	1 (1.11%)	1 (11.11%)	7 (77.78%)	0 (0.00%)
Do you think that the blood pressure of the pregnant women can be elevated because of the stress for the result?	9	1 (11.11%)	1 (11.11%)	2 (22.22%)	5 (55.56%)	0 (0.00%)
Do you think that the result of remote monitoring not represent the reality?	9	0 (0.00%)	7 (77.78%)	2 (22.22%)	0 (0.00%)	0 (0.00%)
<b>On a scale from 1 to 5 (with 5 being mostly agree), do you think the measurements will be done correctly by the pregnant women?</b>						
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
The bloodpressure	9	0 (0.00%)	1 (11.11%)	1 (11.11%)	7 (77.78%)	0 (0.00%)
The weight	9	1 (11.11%)	0 (0.00%)	5 (55.56%)	3 (33.33%)	0 (0.00%)
The activity- and sleepatarn	9	0 (0.00%)	1 (11.11%)	5 (55.56%)	3 (33.33%)	0 (0.00%)
<b>Rate the following questions on a scale from 1 to 5 (with 5 being mostly agree).</b>						
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Patients will be reassured by the positive results on the app and will be less likely to have (unnecessary) prenatal visits.	9	1 (11.11%)	0 (0.00%)	1 (11.11%)	7 (77.78%)	0 (0.00%)
Patients will be more worried because they can see their measurements and will have more unscheduled prenatal visits.	9	0 (0.00%)	8 (88.89%)	1 (11.11%)	0 (0.00%)	0 (0.00%)
Patients need to have an extra prenatal consult when deviations are noticeable in the results.	9	0 (0.00%)	2 (22.22%)	3 (33.33%)	4 (44.44%)	0 (0.00%)
The feedback of the results to the patients is essential.	9	0 (0.00%)	1 (11.11%)	1 (11.11%)	7 (77.78%)	0 (0.00%)
A lot of information will be become on a way which doesn't take much time	9	1 (11.11%)	2 (22.22%)	1 (11.11%)	5 (55.56%)	0 (0.00%)
I don't like the additional reports I get from the researches.	9	1 (11.11%)	6 (66.67%)	1 (11.11%)	0 (0.00%)	1 (11.11%)
A researcher is a new member of the multidisciplinary team. The communication gets more complicated in that way.	9	0 (0.00%)	4 (44.44%)	3 (33.33%)	1 (11.11%)	1 (11.11%)
<b>On a scale from 1 to 5 (with 5 being mostly agree), which factors can help to become a successful implementation of remote monitoring?</b>						
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Support by the ICT department of the hospital	9	0 (0.00%)	1 (11.11%)	2 (22.22%)	5 (55.56%)	1 (11.11%)
Support by the researchers	9	0	0	1	4	4

		(0.00%)	(0.00%)	(11.11%)	(44.44%)	(44.44%)
Devotion of the gyneacologist	9	0 (0.00%)	1 (11.11%)	0 (0.00%)	6 (66.67%)	2 (22.22%)
Devotion of the midwife	9	0 (0.00%)	1 (11.11%)	1 (11.11%)	7 (77.78%)	0 (0.00%)
Devotion of the hospital	9	0 (0.00%)	2 (22.22%)	0 (0.00%)	6 (66.67%)	1 (11.11%)

## 6. Aims

Variable	N	Response frequencies				
Rate the following questions on a scale from 1 to 5 (with 5 being mostly agree).						
		1	2	3	4	5
The insights of the patients in their own behavior and (normal) parameters can be enlarged by the use of remote monitoring	9	1 (11.11%)	0 (0.00%)	4 (44.44%)	3 (33.33%)	1 (11.11%)
Patients can make the connection between their lifestyle and abnormal measurements by using remote monitoring	9	1 (11.11%)	3 (33.33%)	2 (22.22%)	3 (33.33%)	0 (0.00%)
Prenatal admissions will less occur and will be of a shorter duration by using remote monitoring.	9	1 (11.11%)	2 (22.22%)	2 (22.22%)	4 (44.44%)	0 (0.00%)
The patient will have a decent reaction on her results	9	0 (0.00%)	3 (33.33%)	6 (66.67%)	0 (0.00%)	0 (0.00%)
The antihypertensive therapy can be adjusted by the measurements which are become by using remote monitoring	9	1 (11.11%)	0 (0.00%)	0 (0.00%)	7 (77.78%)	1 (11.11%)
I can spend more time to the patients who really need this by using remote monitoring	9	0 (0.00%)	2 (22.22%)	1 (11.11%)	6 (66.67%)	0 (0.00%)
Remote monitoring is an added value to the quality of our healthcare	9	0 (0.00%)	1 (11.11%)	1 (11.11%)	7 (77.78%)	0 (0.00%)

## 7. Technology & interoperability

Variable	N	Response frequencies				
<b>Rate the following questions on a scale from 1 to 5 (with 5 being mostly agree).</b>						
		1	2	3	4	5
Do you think it would be an added value when the results of the remote motoring will be automatically send to the patients' medical files?	9	1 (11.11%)	0 (0.00%)	1 (11.11%)	4 (44.44%)	3 (33.33%)

## 8. Feedback

Variable	N	Response frequencies					
<b>Indicate which answer is applicable</b>							
		Daily	Weekly	Monthly	Only when the values are abnormal	At its own request	Never
When do you think the pregnant woman needs to receive an overview of her measurement?	9	1 (11.11%)	5 (55.56%)	1 (11.11%)	1 (11.11%)	2 (22.22%)	0 (0.00%)
When do you think the pregnant woman needs to receive an overview of the deliberation between the caregivers (based on her measurements) about her results?	9	5 (55.55%)	2 (22.22%)	0 (0.00%)	4 (44.44%)	0 (0.00%)	0 (0.00%)
<b>When do you think the pregnant woman needs to receive an overview (without a consultation by the midwife or the gynecologist) of her measurement on the following ways?</b>							
		Daily	Weekly	Monthly	Only when the values are abnormal	At its own request	Never
By telephone	9	1 (11.11%)	0 (0.00%)	0 (0.00%)	5 (55.56%)	0 (0.00%)	4 (44.44%)
By email	8	2 (25.00%)	2 (25.00%)	0 (0.00%)	2 (25.00%)	0 (0.00%)	2 (25.00%)
By text message	9	2 (22.22%)	1 (11.11%)	0 (0.00%)	2 (22.22%)	2 (22.22%)	4 (44.44%)
At the prenatal consultation	9	4 (44.44%)	0 (0.00%)	0 (0.00%)	2 (22.22%)	1 (11.11%)	3 (33.33%)
<b>When do you think the pregnant woman needs to receive a consultation of her measurement on the following ways?</b>							
		Daily	Weekly	Monthly	Only when the values are abnormal	At its own request	Never
By telephone	9	1 (11.11%)	1 (11.11%)	0 (0.00%)	3 (33.33%)	2 (22.22%)	2 (22.22%)
By email	9	0 (0.00%)	2 (22.22%)	0 (0.00%)	1 (11.11%)	1 (11.11%)	5 (55.56%)
By text message	9	0 (0.00%)	2 (22.22%)	0 (0.00%)	1 (11.11%)	1 (11.11%)	5 (55.56%)
At the prenatal consultation	9	7 (77.78%)	1 (11.11%)	0 (0.00%)	2 (22.22%)	1 (11.11%)	0 (0.00%)
<b>On a scale from 1 to 5 (with 5 being mostly relevant), when do you think the pregnant woman needs to be informed in the following situation?</b>							
		1	2	3	4	5	
When the measurements doesn't have any abnormalities	9	1 (11.11%)	4 (44.44%)	1 (11.11%)	2 (22.22%)	1 (11.11%)	
When the measurements can't be overviewed due to technical problems	9	1 (11.11%)	1 (11.11%)	2 (22.22%)	3 (33.33%)	2 (22.22%)	
When an adequate follow-up isn't possible due to insufficient compliance by the patient	9	0 (0.00%)	1 (11.11%)	1 (11.11%)	4 (44.44%)	3 (33.33%)	
When the measurements can't be overviewed due to problems by the online dashboard	9	1 (11.11%)	0 (0.00%)	1 (11.11%)	5 (55.55%)	2 (22.22%)	
When the privacy of the pregnant women is threatened due to problems with the data security	9	1 (11.11%)	2 (22.22%)	0 (0.00%)	5 (55.56%)	1 (11.11%)	
<b>Of who do you think the pregnant woman needs to receive an overview or feedback about the results ... (Multiple answers are correct)</b>							

		Automatically	The gynaecologist	The midwife	The general practitioner	The researcher	No preference	Other
When there are no abnormal measurements	9	1 (11.11%)	4 (44.44%)	1 (11.11%)	0 (0.00%)	3 (33.33%)	0 (0.00%)	0 (0.00%)
When there are abnormal measurements	9	0 (0.00%)	7 (77.78%)	0 (0.00%)	0 (0.00%)	2 (22.22%)	0 (0.00%)	0 (0.00%)
<b>Do you think that the partner of the pregnant women needs to be involved in the services remote monitoring offers?</b>								
		Yes			No			
	9	2 (22.22%)			7 (77.78%)			
<b>On a scale from 1 to 5 (with 5 being mostly relevant), how would you involve the partner of the pregnant woman in this program?</b>								
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>		
By involving the partner in the intake conversation	9	2 (22.22%)	0 (0.00%)	3 (33.33%)	2 (22.22%)	2 (22.22%)		
By giving the partner an overview of the results of the pregnant women on his Smartphone	9	6 (66.67%)	2 (22.22%)	1 (11.11%)	0 (0.00%)	0 (0.00%)		
By informing the partner when measurements are missed	9	4 (44.44%)	1 (11.11%)	3 (33.33%)	0 (0.00%)	1 (11.11%)		
By giving feedback of the results to the partner	9	4 (44.44%)	2 (22.22%)	2 (22.22%)	0 (0.00%)	1 (11.11%)		

## 9. Privacy

Variable	N	Response frequencies				
Rate the following questions on a scale from 1 to 5 (with 5 being mostly agree).						
		1	2	3	4	5
Would you offer remote monitoring to your patients when their privacy can't guaranteed fully?	9	5 (55.56%)	2 (22.22%)	1 (11.11%)	1 (11.11%)	0 (0.00%)
Do you think that remote monitoring is an threat for the patient data?	9	2 (22.22%)	2 (22.22%)	3 (33.33%)	2 (22.22%)	0 (0.00%)
How import is patient privacy towards the ability to identify gestational complications in an early stage?	9	1 (11.11%)	3 (33.33%)	2 (22.22%)	3 (33.33%)	0 (0.00%)

## 10. Financial considerations

Variable	N	Response frequencies						
<b>What is an acceptable price to pay for remote monitoring?</b>								
		<b>€10/month</b>	<b>€25/month</b>	<b>€50/month</b>	<b>Other</b>			
Yes	8	6 (75.00%)	1 (12.50%)	1 (12.50%)	0 (0.00%)			
<b>Who has to pay for remote monitoring?</b>								
		<b>The patient</b>	<b>The gynaecologist</b>	<b>The society</b>	<b>The hospital</b>	<b>The gynaecologist &amp; the society</b>	<b>The patient &amp; the society</b>	<b>The patient, the gynaecologist and the society</b>
Yes	8	1 (12.50%)	0 (0.00%)	1 (12.50%)	0 (0.00%)	0 (0.00%)	6 (75.00%)	0 (0.00%)
<b>Do you think a distinction has to be made in a reimbursement by the insurance between patients with a low risk or a high risk?</b>								
		<b>Yes</b>			<b>No</b>			
	8	6 (75.00%)			2 (25.00%)			
<b>Do you think that the cost-saving of remote monitoring exceed the additional costs of remote monitoring?</b>								
		<b>Yes</b>			<b>No</b>			
	8	6 (75.00%)			2 (25.00%)			
<b>On a scale from 1 to 5 (with 5 being mostly relevant), which items are important to implement remote monitoring into daily practice?</b>								
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>		
An additional training (with an certificate)	8	0 (0.00%)	0 (0.00%)	1 (12.50%)	6 (75.00)	1 (12.50%)		
Hiring additional staff	8	0 (0.00%)	0 (0.00%)	1 (12.50%)	7 (87.50%)	0 (0.00%)		
When an independent service will follow-up the patients and gives us information about the remote monitoring services	8	0 (0.00%)	1 (12.50%)	6 (75.00%)	1 (12.50%)	0 (0.00%)		
When this is an activity which only happens during the working hours	8	4 (50.00%)	2 (25.00%)	1 (12.50%)	1 (12.50%)	0 (0.00%)		
When additional space will be made into the work planning so no extra workload will be created	8	0 (0.00%)	2 (25.00%)	2 (25.00%)	3 (37.50%)	1 (12.50%)		

## 11. Expansion

Variable	N	Response frequencies				
Rate the following questions on a scale from 1 to 5 (with 5 being mostly agree).						
		1	2	3	4	5
I support the remote monitoring services and recommend is to my patients	8	0 (0.00%)	0 (0.00%)	3 (37.50%)	2 (25.00%)	3 (37.50%)
I would recommend this services to my colleges	8	0 (0.00%)	0 (0.00%)	2 (25.00%)	3 (37.50%)	3 (37.50%)
I would expand this remote monitoring services over all the hospitals in Belgium	8	0 (0.00%)	0 (0.00%)	3 (37.50%)	3 (37.50%)	2 (25.00%)