

Table S1. Process evaluation components, research questions and data sources		
	Research questions	Data sources
Implementation		
<i>Reach</i>	What proportion of antenatal care (ANC) midwives attended the training session?	Lists of ANC midwives and participant lists
	How many midwives attended the dialogue meetings?	Project midwives records from all dialogue meetings
	How many women received the leaflet?	Survey data
<i>Dose</i>	How many leaflets were given to each hospital?	Administrative data on the number of received printed leaflets
	Did the leaflet provide new information about body signals?	Survey data
	How many downloaded the app?	Survey data and administrative data on app downloads
	What were the main reasons for not downloading the app?	Survey data
	Did the app provide new information about body signals?	Survey data
<i>Fidelity</i>	How did midwives reflect on the integration of knowledge gained from the training session into daily practice?	Project midwives records from all dialogue meetings
	What did midwives discuss? How did they discuss the use of the leaflet in daily practice?	Project midwives records from all dialogue meetings
	How did midwives use the leaflet in daily practice to talk about body symptoms of pregnancy complications?	Sum-up of a qualitative study by Johnsen et al. 2021 [31]
Mechanisms of impact		
Participant responses to the intervention	What were the midwives' experiences with the training session?	Sum-up of a qualitative study by Johnsen et al. 2021 [31]
	What were the midwives' experiences with the dialogue meetings?	Sum-up of a qualitative study by Johnsen et al. 2021 [31]
	How did women react to the MAMA ACT leaflet and app?	Sum-up of a qualitative study by Johnsen et al. 2021 [31]
Contextual factors		
	Where there other important processes affecting ANC at interventions and control sites affecting communication on pregnancy warning signs during the trial period?	Information sheets from maternity wards on organizational inputs and other research projects
	How do barriers in non-Western immigrant women's everyday life situations affect responses to pregnancy complications?	Sum-up of a qualitative implementation study by Johnsen et al. 2020 [30]
	How did main organizational barriers impact the intended mechanisms?	Sum-up of a qualitative implementation study by Johnsen et al. 2020 [32]