

Supplementary File 1

Supplementary Table S1. Symptom Assessment Scale for Women in Late Pregnancy

Section 1: We have listed some symptoms below. Please read each item carefully. If you have had the symptom during this past week, indicate **how often** it occurred, **how severe** it was, and **how much distress or bother** it caused you by circling the appropriate number. If you did not have the symptom, make an “x” in the box marked “**DID NOT HAVE**”.

During the past week, did you have any of the following symptoms?	DID NOT HAVE	If yes, How often did you have it				If yes, How severe was it usually				If yes, How much did it distress or bother you				
		rarely	occasionally	frequently	constantly almost	slight	moderate	severe	very severe	not at all	a little bit	somewhat	quite a bit	very much
Fatigue		1	2	3	4	1	2	3	4	0	1	2	3	4
Excessive sweating		1	2	3	4	1	2	3	4	0	1	2	3	4
Diarrhoea		1	2	3	4	1	2	3	4	0	1	2	3	4
Gastric discomfort (e.g. acid reflux, burning sensation)		1	2	3	4	1	2	3	4	0	1	2	3	4
Dizziness		1	2	3	4	1	2	3	4	0	1	2	3	4
Palpitations (rapid heartbeat)		1	2	3	4	1	2	3	4	0	1	2	3	4
Urinary frequency		1	2	3	4	1	2	3	4	0	1	2	3	4
Numbness or tingling in the hands/feet/legs		1	2	3	4	1	2	3	4	0	1	2	3	4
Difficulty falling asleep		1	2	3	4	1	2	3	4	0	1	2	3	4
Loss of appetite		1	2	3	4	1	2	3	4	0	1	2	3	4
Nausea		1	2	3	4	1	2	3	4	0	1	2	3	4
Constipation		1	2	3	4	1	2	3	4	0	1	2	3	4
Vomiting		1	2	3	4	1	2	3	4	0	1	2	3	4
Body aches (pubic /lower back / hip, etc.)		1	2	3	4	1	2	3	4	0	1	2	3	4

During the past week, did you have any of the following symptoms?	DID NOT HAVE	If yes, How often did you have it				If yes, How severe was it usually				If yes, How much did it distress or bother you				
		rarely	occasionally	frequently	constantly almost	slight	moderate	severe	very severe	not at all	a little bit	somewhat	quite a bit	very much
Abdominal bloating		1	2	3	4	1	2	3	4	0	1	2	3	4
Irritability		1	2	3	4	1	2	3	4	0	1	2	3	4
Shortness of breath / dyspnoea		1	2	3	4	1	2	3	4	0	1	2	3	4
Anxiety		1	2	3	4	1	2	3	4	0	1	2	3	4
False labour contractions		1	2	3	4	1	2	3	4	0	1	2	3	4
Fear		1	2	3	4	1	2	3	4	0	1	2	3	4
Leg cramps		1	2	3	4	1	2	3	4	0	1	2	3	4
Frequent waking at night		1	2	3	4	1	2	3	4	0	1	2	3	4
Impaired memory		1	2	3	4	1	2	3	4	0	1	2	3	4
Chest tightness		1	2	3	4	1	2	3	4	0	1	2	3	4

Supplementary Table S1. Symptom Assessment Scale for Women in Late Pregnancy (continued)

Section 2: We have listed some symptoms below. Please read each item carefully. If you have had the symptom during this past week, indicate how **severe** it was, and how much **distress or bother** it caused you by circling the appropriate number. If you did not have the symptom, make an “x” in the box marked “**DID NOT HAVE**”.

During the past week, did you have any of the following symptoms?	DID NOT HAVE	If yes, How severe was it usually				If yes, How much did it distress or bother you				
		slight	moderate	severe	very severe	not at all	a little bit	somewhat	quite a bit	very much
Somnolence		1	2	3	4	0	1	2	3	4
Abdominal tightness		1	2	3	4	0	1	2	3	4
Gingival inflammation / bleeding		1	2	3	4	0	1	2	3	4
Swelling in hands / feet		1	2	3	4	0	1	2	3	4
Pelvic heaviness		1	2	3	4	0	1	2	3	4
Urinary leakage		1	2	3	4	0	1	2	3	4
Breast engorgement		1	2	3	4	0	1	2	3	4
Vaginal bulging / prolapse		1	2	3	4	0	1	2	3	4
Perineal swelling		1	2	3	4	0	1	2	3	4
Skin changes (e.g., pigmentation, roughness)		1	2	3	4	0	1	2	3	4
difficulty urinating		1	2	3	4	0	1	2	3	4
Bladder pressure		1	2	3	4	0	1	2	3	4
Blood in stool/anal pain		1	2	3	4	0	1	2	3	4

Supplementary File 2

Supplementary Table S2. Edge Weights in the Symptom Network Without Covariates

symptom	s1	s7	s9	s14	s22	s36	s6	s17	s24	s16	s18	s20	s4	s10	s11	s19	s26	s29	s8	s28	S34
s1																					
s7	0.05																				
s9	0.13	0.03																			
s14	0.15	0.08	0.04																		
s22	0.08	0.14	0.21	0.08																	
s36	0.02	0.24	-	0.11	0.04																
s6	-	-	-	-	-	0.01															
s17	0.18	-	-	0.04	-	-	0.1														
s24	0.04	-	-	-	0.12	0.02	0.2	0.54													
s16	0.02	-	0.04	-	-	0.02	0.04	0.07	0.01												
s18	0.03	0.06	-	-	0.02	0.04	0.05	-	0.06	0.21											
s20	0.03	-	0.07	-	0.09	-	0.01	-	-	0.17	0.42										
s4	0.06	0.04	-	0.01	-	0.06	0.1	-	-	0.01	0.01	0.04									
s10	0.06	-	0.14	-	-	0.04	-	0.04	-	0.04	0.05	-	0.03								
s11	-	0.09	-	-	-	-	0.06	-	0.01	0.04	0.03	-	0.36	0.4							
s19	-	-	0.01	0.01	-	-	-	0.03	-	-	0.04	0.04	0.02	-	-						
s26	0.08	0.07	0.04	0.03	0.04	0.07	0.02	0.06	0.03	-	-	-	-	-	-	0.35					
s29	-	-	-	0.09	-	0.15	0.01	-	0.09	-	-	0.07	-	-	-	0.12	0.28				
s8	0.07	-	0.1	0.03	-	-	0.03	-0.03	-	-	0.04	-	-	0.04	-	-	0.02	0.05			
s28	-	-	-	-	-	-	-	-	-	0.01	-	-	-	-	-	-	0.09	0.14	0.33		
s34	0.02	-	-	-	0.04	0.11	-	0.03	-	0.07	0.02	-	-	-	-	-	-	0.04	0.09	0.11	

Note: "-" indicates no connection between the two nodes, s1=Fatigue, s7=Urinary frequency, s9=Difficulty falling asleep, s14=Body aches (pubic/lower back/hip, etc.), s22=Frequent waking at night, s36=Bladder pressure, s6=Palpitations (rapid heartbeat), s17=Shortness of breath/dyspnoea, s24=Chest tightness, s16=Irritability, s18=Anxiety, s20=Fear, s4=Gastric discomfort (e.g. acid reflux, burning sensation), s10=Loss of appetite, s11=Nausea, s19=False labour contractions, s26=Abdominal tightness, s29=Pelvic heaviness, s8=Numbness or tingling in the hands/feet/legs, s28=Swelling in hands/feet, s34=Skin changes (e.g., pigmentation, roughness).

Supplementary Table S3. Edge Weights in the Symptom Network With Covariates

symptom	s1	s7	s9	s14	s22	s36	s6	s17	s24	s16	s18	s20	s4	s10	s11	s19	s26	s29	s8	s28	s34	v1	v2	v3	v4
s1																									
s7	0.05																								
s9	0.12	0.03																							
s14	0.14	0.07	0.03																						
s22	0.08	0.13	0.2	0.07																					
s36	0.03	0.22	-	0.1	0.04																				
s6	-	-	-	-	-	-																			
s17	0.16	-	-	0.04	0.01	-	0.1																		
s24	0.05	-	-	-	0.11	0.02	0.19	0.49																	
s16	0.02	-	0.03	-	-	0.02	0.04	0.07	0.02																
s18	0.03	0.06	-	-	0.02	0.04	0.05	-	0.06	0.2															
s20	0.03	-	0.06	-	0.08	-	0.01	-	-	0.16	0.39														
s4	0.05	0.03	-	0.01	-	0.06	0.08	-	-	0.01	0.01	0.04													
s10	0.06	-	0.12	-	-	0.03	-	0.04	-	0.03	0.05	-	0.04												
s11	-	0.09	-	-	-	-	0.05	-	0.01	0.04	0.03	-	0.33	0.37											
s19	-	-	-	-	-	-	-	0.02	-	-	0.04	0.03	-	-	-										
s26	0.08	0.06	0.04	0.03	0.04	0.07	0.02	0.06	0.03	-	-	-	-	-	-	0.32									
s29	-	-	-	0.09	-	0.15	0.01	-	0.09	-	-	0.07	-	-	-	0.11	0.26								
s8	0.06	-	0.08	0.01	-	-	0.01	-	-	-	0.03	-	-	0.02	-	-	0.01	0.05							
s28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08	0.13	0.3						
s34	0.01	-	-	-	0.03	0.09	-	0.02	-	0.05	0.02	-	-	-	-	-	-	0.04	0.07	0.09					
v1	-	-	-	-	-	-	-	-	-	-	-0.02	-0.01	-	-	-	-	-	-	-	-	-				
v2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
v3	-	-	-	-	-	-	-	-	-	-	-	0.02	-	-	-	0.1	-	0.06	-	-	-	-	-		
v4	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: "-" indicates no connection between the two nodes, s1=Fatigue, s7=Urinary frequency, s9=Difficulty falling asleep, s14=Body aches (pubic/lower back/hip, etc.), s22=Frequent waking at night, s36=Bladder pressure, s6=Palpitations (rapid heartbeat), s17=Shortness of breath/dyspnoea, s24=Chest tightness, s16=Irritability, s18=Anxiety, s20=Fear, s4=Gastric discomfort (e.g. acid reflux, burning sensation), s10=Loss of appetite, s11=Nausea, s19=False labour contractions, s26=Abdominal tightness, s29=Pelvic heaviness, s8=Numbness or tingling in the hands/feet/legs, s28=Swelling in hands/feet, s34=Skin changes (e.g., pigmentation, roughness), v1= age, v2=physical activity, v3= gestational age, v4= pregnancy complications.

Supplementary File 3

Supplementary Table S4. Centrality indices of symptoms in the symptom network without covariates

Symptom	Strength	Closeness	Betweenness	ExpectedInfluence
s1	0.832	0.927	-0.004	0.880
s7	-0.292	1.230	0.254	-0.262
s9	-0.385	1.331	0.512	-0.356
s14	-1.051	-0.290	-0.951	-1.033
s22	-0.046	1.519	-0.262	-0.012
s36	0.383	1.068	1.373	0.424
s6	-1.298	-0.490	-0.779	-1.283
s17	1.373	0.575	-0.348	1.064
s24	1.367	1.033	0.943	1.423
s16	-0.554	-1.373	-0.693	-0.527
s18	1.249	-0.950	-0.521	1.304
s20	0.373	-0.899	-0.004	0.414
s4	-0.697	-0.920	-0.779	-0.673
s10	-0.121	-0.579	-0.090	-0.088
s11	0.691	-0.491	-0.004	0.737
s19	-1.338	-1.140	-1.123	-1.324
s26	1.560	0.024	0.598	1.619
s29	0.951	1.488	3.353	1.001
s8	-0.198	-0.528	-0.435	-0.531
s28	-1.005	-0.177	-0.176	-0.986
s34	-1.794	-1.359	-0.865	-1.788

Note:s1=Fatigue, s7=Urinary frequency, s9=Difficulty falling asleep, s14=Body aches (pubic/lower back/hip, etc.), s22=Frequent waking at night, s36=Bladder pressure, s6=Palpitations (rapid heartbeat), s17=Shortness of breath/dyspnoea, s24=Chest tightness, s16=Irritability, s18=Anxiety, s20=Fear, s4=Gastric discomfort (e.g. acid reflux, burning sensation), s10=Loss of appetite, s11=Nausea, s19=False labour contractions, s26=Abdominal tightness, s29=Pelvic heaviness, s8=Numbness or tingling in the hands/feet/legs, s28=Swelling in hands/feet, s34=Skin changes (e.g., pigmentation, roughness).

Supplementary Table S5. Centrality indices of symptoms in the symptom network with covariates

Symptom	Strength	Closeness	Betweenness	ExpectedInfluence
s1	0.927	0.574	-0.087	0.932
s7	0.22	0.81	1.293	0.229
s9	0.118	0.638	0.125	0.127
s14	-0.272	0.194	-0.83	-0.26
s22	0.357	0.732	-0.299	0.365
s36	0.587	0.747	1.187	0.594
s6	-0.378	0.142	-0.724	-0.366
s17	1.002	0.499	-0.405	1.006
s24	1.177	0.683	0.603	1.181
s16	0.032	-0.098	-0.724	0.042
s18	1.151	0.199	0.815	1.059
s20	0.635	0.183	0.444	0.612
s4	-0.074	-0.098	-0.724	-0.063
s10	0.276	0.091	-0.14	0.285
s11	0.696	0.09	-0.034	0.702
s19	-0.148	0.097	0.231	-0.137
s26	1.259	0.502	1.346	1.263
s29	1.081	0.907	3.257	1.086
s8	-0.105	-0.002	-0.512	-0.095
s28	-0.281	0.184	-0.14	-0.269
s34	-0.755	-0.287	-0.936	-0.741
v1	-1.962	-2.584	-0.936	-2.067
v2	-2.025	NA	-0.936	-2.004
v3	-1.512	-0.898	-0.936	-1.494
v4	-2.007	-3.309	-0.936	-1.987

Note: NA denotes an isolated node without connections to other nodes in the symptom network, for which centrality cannot be computed, s1=Fatigue, s7=Urinary frequency, s9=Difficulty falling asleep, s14=Body aches (pubic/lower back/hip, etc.), s22=Frequent waking at night, s36=Bladder pressure, s6=Palpitations (rapid heartbeat), s17=Shortness of breath/dyspnoea, s24=Chest tightness, s16=Irritability, s18=Anxiety, s20=Fear, s4=Gastric discomfort (e.g. acid reflux, burning sensation), s10=Loss of appetite, s11=Nausea, s19=False labour contractions, s26=Abdominal tightness, s29=Pelvic heaviness, s8=Numbness or tingling in the hands/feet/legs, s28=Swelling in hands/feet, s34=Skin changes (e.g., pigmentation, roughness), v1= age, v2=physical activity, v3= gestational age, v4= pregnancy complications.