

Cycle tracking apps: A combined medical and data privacy scoring

Yasmin TEHRANCHIAN^a, Veronika STROTBAUM^b and Monika POBIRUCHIN^{a, b}

^a *GECKO Institute, Heilbronn University of Applied Sciences, Heilbronn, Germany*

^b *Consumer Health Informatics SIG, GMDS e. V., Cologne, Germany*

Table Developed scoring system for the medical domain. Source is either the questionnaire by Freis et al (F) or the App Check project (ACP).

Number	Criteria	Options and points (P)	Source
1	Which algorithm is used to determine the fertile window?	3P: Symptothermal method 2P: Cervical mucus method 1P: Classical calendar method 0P: Calculations (insufficient) 0P: Unknown	F
2	Considering an estrogen parameter and/or LH to determine the fertile window	5P: Cervical mucus 3P: Cervical autopalpation 0P: No	F
3	Considering a progesterone parameter to determine the fertile window	3P: Basal body temperature (BBT) using Holt rule 1P: BBT 0P: No	F
4	Are there clinical trials regarding the app?	3P: Yes 0P: No	F, ACP
5	Who conducted the study?	4P: Independent institution 1P: Manufacturer 0P: No studie	F
6	Does the app offer educational resources?	3P: Studies 1P: Websites and Forums 0P: No	ACP
7	Is there any qualified counseling?	3P: Yes 1P: Fair instructions in the app 0P: No	F