

# Cycle tracking apps: A combined medical and data privacy scoring

Yasmin TEHRANCHIAN<sup>a</sup>, Veronika STROTBAUM<sup>b,c</sup> and Monika POBIRUCHIN<sup>a,b</sup>

<sup>a</sup> GECKO Institute, Heilbronn University of Applied Sciences, Heilbronn, Germany

<sup>b</sup> Consumer Health Informatics SIG, GMDS e. V., Cologne, Germany

<sup>c</sup> Maybe Veronika's affiliation, 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