ABACUS item and description	Scoring system
1. Knowledge and	Scoring system
information	
1.1 Does the app have the	Score if app scored >1/5 on MARS section A.3
ability to customize and	Soore in upp soored > 1/3 on the tild section / tild
personalize some	
features?	
1.2 Was the app created with	Score if mention of relevant expertise (i.e. health care
expertise and/or does the app	professional) involved in app creation in app store or within app, or
provide information that is	if BCT 9.1, credible source, is present.
consistent with national	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
guidelines?	
1.3 Does the app ask for	
baseline information?	
1.4 Does the app provide	Score if BCT 4.1, Instruction on how to perform behavior, or BCT
instruction on how to perform	6.1, demonstration of behavior, is present.
the behavior?	·
1.5 Does the app provide	Score if BCT 5.1, Information about health consequences, BCT 5.2,
information about the	salience of consequences, BCT 5.6, Information about emotional
consequences of continuing	consequences or BCT 5.3, Information about social and
and/or discontinuing behavior?	environmental consequences, is present.
2. Goals and planning	
2.1 Does the app ask for	
willingness for behavior	
change?	
2.2 Does the app allow for the	Score if BCT 1.1, Goal setting (behavior), or BCT 1.3, Goal setting
setting of goals?	(outcome), is present.
2.3 Does the app have the	Score if BCT 1.5, Review behavior goal(s), or BCT 1.7, Review
ability to review goals, update,	outcome goals, is present.
and change	
when necessary?	
3. Feedback and	
monitoring	Constitution of DCT 1.C. Discussion and between account habitation and confe
3.1 Does the app give the user	Score if BCT 1.6, Discrepancy between current behavior and goals,
the ability to quickly and easily understand the difference	is present.
between current action and	
future goals?	
3.2 Does the app have the	Score if BCT 2.3, Self-monitoring of behavior, or BCT 2.4, Self-
ability to allow the user to easily	monitoring of outcome(s) of behavior, is present.
self-monitor behavior?	monitoring of outcome(s) of behavior, is present.
3.3 Does the app have the	Score if BCT 3.1, Social support (unspecified), BCT 3.2, Social
ability to share behaviors with	support (practical), or BCT 3.3, Social support (emotional), is
	present.
others (including social media	present.

or forums) and/or allow for	
social comparison?	
3.4 Does the app have the	Score if BCT 2.2, Feedback on behavior, or BCT 2.7, Feedback on
ability to give the user	outcome(s) of behavior, or BCT 2.6, Biofeedback, is present.
feedback—either	
from a person or automatically?	
3.5 Does the app have the	Score if app has ability to "deliberately" export data.
ability to export data from app?	
3.6 Does the app provide a	Score if BCT 10.1, Material incentive (behavior), or BCT 10.2,
material or social reward or	Material reward (behavior), or BCT 10.4, Social reward, or BCT 10.5
incentive?	Social incentive, is present.
3.7 Does the app provide	Score if BCT 10.3, Non-specific reward, or BCT 10.6, Non-specific
general encouragement?	incentive, is present.
4. Actions	
4.1 Does the app have	Score if BCT 7.1, Prompts/cues, is present.
reminders and/or prompts or	
cues for activity?	
4.2 Does the app encourage	Score if BCT 8.1, Behavioral practice/rehearsal, is present.
positive habit formation?	
4.3 Does the app allow or	Don't score if app 'locks' user access (including viewing) to content
encourage for practice or	after reaching daily limit, otherwise score.
rehearsal, in addition to daily	
activities?	
4.4 Does the app provide	Score if BCT 1.2, Problem solving, or 1.4, Action planning, is
opportunity to plan for barriers?	present.
4.5 Does the app assist with or	Score if BCT 12.1, Restructuring the physical environment, or BCT
suggest restructuring the	12.2, Restructuring the social environment, is present.
physical or social environment?	
4.6 Does the app assists with	Score if BCT 12.3, Avoidance/ reducing exposure to cues for
distraction or avoidance?	behavior, or BCT 12.4, Distraction, is present.