

**This is an electronic reprint of the original article.
This reprint *may differ* from the original in pagination and typographic detail.**

Author(s): Rönkä, Anna; Sevón, Eija; Räikkönen, Eija; Hintikka, Timo

Title: You have a Message from Illi! : The Mobile Diary in Researching Children's Daily Experiences

Year: 2017

Version:

Please cite the original version:

Rönkä, A., Sevón, E., Räikkönen, E., & Hintikka, T. (2017). You have a Message from Illi! : The Mobile Diary in Researching Children's Daily Experiences. *Child Indicators Research*, 10(2), 505-523. <https://doi.org/10.1007/s12187-016-9386-y>

All material supplied via JYX is protected by copyright and other intellectual property rights, and duplication or sale of all or part of any of the repository collections is not permitted, except that material may be duplicated by you for your research use or educational purposes in electronic or print form. You must obtain permission for any other use. Electronic or print copies may not be offered, whether for sale or otherwise to anyone who is not an authorised user.

Table 1. Background information about the two groups of participants (N)

		Day care group	Day and night care group
Child gender	Girls	6	11
	Boys	9	6
	All	15	17
Parental working time pattern		at least one parent worked days	both parents or lone parent worked nonstandard hours
Family type	nuclear family	12	6
	lone parent family	1	5
	Step- family	1	6
	all	14	17

Table 2. The content and structure of mobile questions

	Mobile questions for children	Mobile questions for adults
Children's moods	5 items (happy, sad, angry, worried, tired) "Tell Illi how happy you have been this morning?" (1= not at all, 4= very)	7 items (happy, sad, angry, worried, tired, motivated, restless) Has the child been happy this morning? (1=not at all, 7=very)
Daily doings and key events	What have you done today at home/in daycare? Describe one good/ challenging moment today at home	How did the child sleep? How was the child's day today? Describe one good/ challenging moment with the child today
Interaction, atmosphere	Yes-no statements (10 items) e.g., I was bored at the day care today; I had friends at the day care today (0=no, 1=yes)	How would you define the atmosphere at home today? (1=conflicted, tense, 7=nice, relaxed) Evaluate your interaction with the child this morning? (1=quarrelsome, disagreeing, 7=peaceful)
Parenting and work-family interface		Evaluate how many daily hassles there have been in your family today (1=not at all, 7=very many) How successful were you in work-family reconciliation today (1= not at all, 7=very successful)

Table 3. Intra-class correlations and between- and within-level variance of children's emotions evaluated by parents and children.

Emotion	Intra-class		Between-level mean		Between-level variance		Within-level variance	
	correlation				(Standard error)		(Standard error)	
	Adult	Child	Adult ^a	Child ^b	Adult	Child	Adult	Child
Happy	0.062**	0.331***	5.749***	3.227***	0.059**	0,228**	0,903***	0,459***
					(0.024)	(0,076)	(0,086)	(0,053)
Angry	0,061**	0,080*	1.749***	1.185***	0.087**	0,023*	0,941***	0,263***
					(0.032)	(0,012)	(0,116)	(0,055)
Worried	0.047*	0,038	1.302***	1.152***	0.020*	0.010*	0.417***	0.247***
					(0.01)	(0.005)	(0.067)	(0.046)
Sad	0.033	0.158	1.325***	1.207***	0.019	0.050	0.552***	0.268***
					(0.012)	(0.042)	(0.082)	(0.050)
Tired	0.118***	0.137***	2.171***	1.637***	0.225***	0.113***	1.683***	0.716***
					(0.054)	(0.032)	(0.184)	(0.094)

Note. * $p < .05$, ** $p < .01$, *** $p < .001$. ^aResponse scale 1–7. ^bResponse scale 1–4.

Table 4. Between- and within-level correlations between adults' and children's ratings of children's emotions.

Emotion	Level	Over the week	Time of day		
			Morning	Day	Evening
Happy	Between-level correlation	0.492***	0.671***	0.566	0.688
	Within-level correlation	0.176**	0.227**	0.023	0.102
Angry	Between-level correlation	0.188	0.541*	-0.083	0.520
	Within-level correlation	0.292***	0.141	0.128*	0.441***
Worried	Between-level correlation	0.675	0.662	0.898	0.794
	Within-level correlation	0.045	-0.024	0.069	0.041
Sad	Between-level correlation	0.570**	0.934***	-0.343	-0.189
	Within-level correlation	0.216**	0.004	0.247*	0.324**
Tired	Between-level correlation	0.528***	0.615**	0.645*	0.640**
	Within-level correlation	0.192***	0.152	0.093	0.093

Note. * $p < .05$, ** $p < .01$, *** $p < .001$.

Table 5. Feedback given by parents, day care staff and children

	Parents	Day care staff	Children
What was best/worked well	<p>The questions were clear</p> <p>It was quick and easy to answer</p> <p>The child liked Illi and was motivated</p> <p>Participating was interesting. and the questions led the parent to reflect on daily routines and parenting</p> <p>Answering Illi's questions together with the child was a good experience</p> <p>The day care center was motivated to participate in the research</p>	<p>Questions were clear and relevant</p> <p>Better than paper and pencil</p> <p>The pre-familiarization with the research project worked well</p> <p>Children were motivated</p> <p>Parents easily remembered to bring the mobile phone to day care</p> <p>Opportunity to share time with the child</p>	<p>Children liked Illi very much: Illi figure fascinated</p> <p>Answering was easy and nice</p> <p>It was nice to listen to one's own answers</p> <p>Illi's story was nice</p>
What was difficult and challenging	<p>Timing of answering did not always fit daily family timetable and the child's daily routine</p> <p>Same questions started to bore or exhaust</p> <p>Technical challenges (small keyboard made writing difficult)</p>	<p>It was difficult to name and rate the child's moods</p> <p>Answering difficult during rush hours and shift changes</p> <p>Sometimes difficult to find a peaceful place and time for answering</p> <p>The small keyboard difficult</p> <p>The presence of the adult might have affected children's answers</p> <p>Sometimes the children answered in a hurry.</p>	<p>Same questions started to bore the child</p> <p>Some would prefer answering by writing instead of talking</p> <p>Sometimes Illi's messages interrupted the child's play</p>