Peer Review File Article information: https://dx.doi.org/10.21037/mhealth-22-13			
A1	Sample sizes were extremely small	We agree. We added a statement in our limitations section.	Limitations, Line 375-378: Though we initially recruited 100 study participants as planned for this pilot, many of those initially recruited in a clinic setting did not continue with the study outside of the clinic setting resulting in a smaller sample size than originally planned.
A2	Retention was extremely low	We agree. This problem was already included in our limitations section lines 378-379.	No changes
A3	Attrition was differential	We agree. This problem was already included in our limitations section lines 378-379.	No changes
Α4	Analyses were not all run as intent-to-treat but rather as-treated	We did conduct an intent-to-treat analysis including all those who received the EDL app in the intervention group regardless of their actual use of the app. We think this reviewer may have thought otherwise because we were not able to collect data on all 100 participants who were initially recruited in the clinic setting and because of some of the wording we used in the discussion.	Methods, Lines 196-198: All analyses were conducted as intention-to-treat, meaning that those who were randomized to receive the EDL app were analyzed in the intervention group regardless of their actual use of the app. Results, Lines 232-236: We conducted intention-to-treat analyses; however, low participation in the data collection visits outside of the clinical setting prevented us from including all 100 of those who initially agreed to participate in the study because we lacked data from those who did not participate in the data collection visits. Throughout discussion: We changed 'received the EDL app' to 'randomized to receive the EDL intervention'

A5	Randomization did not appear to be successful in	We did use an acceptable, computer-	See changes described above for comment
	the first place (given very different levels of the	based algorithm for randomization. The	A4.
	outcome across randomization groups at baseline)	baseline characteristics of the 100 study	Discussion, Lines 381-384: For future
		participants show that they were	studies, we would consider routinely
		comparable. The issue arose with the	conducting data collection directly before or
		lack of data that we were able to collect	after well child care visits in the clinic setting
		in subsequent data collection visits.	when possible given the difficulty we
		Since this was a pilot study, it is a	experienced with collecting data outside of
		learning that we would apply to future,	the clinic setting. This difficulty resulted in
		larger studies. The methods already	small sample sizes, baseline differences for
		described the use of a computer-based	the outcome of interest between the EDL
		algorithm. We expanded on the	intervention and control groups, and
		limitations of our study and	differential attrition.
		recommendations for future studies in	
		or limitations section.	
A6	It isn't clear how their qualitative analysis was	We edited the manuscript to provide	See Qualitative Analysis section, lines 206-
	performed: type of analysis, double-coding, list of	additional information regarding the	225.
	interview questions; How were the interviewees	recruitment of interviewees and	
	selected and did the authors continue interviewing	qualitative analysis. We have included a	
	until they reached saturation?	copy of the interview guide and would	
		like to have it included as an appendix if	
		that is an option.	
A7	How many of the interviewees used the app and	We appreciate this suggestion and	Results, Lines 276-283:
	how much?	included some data regarding the	Among the 13 study participants who
		interviewees use of the app.	received the EDL app and agreed to
			participate in semi-structured interviews, all
			13 set a reading goal (they were prompted
			to do this when they first downloaded and
			opened the app) but only 5 used the app
			enough to earn one or more rewards.
			Among the 5 who earned rewards, 4
			received 4 or more rewards (300 or more
			points) indicating regular engagement with
			the app, and 1 received only 1 reward (50
			points) indicating limited engagement with
			the app. The remaining 8 of those
			Interviewed did not receive any rewards
			(<50 points) indicating minimal engagement
			with the app.

A8	Some of the endpoints for this study seem confusing. The READ measure makes a lot of sense, since the intervention targeted reading behaviors. But the PIDA and PVR measures seem to assess things that were not targeted by the intervention. If the authors expected the intervention to affect these latter outcomes: why? More information on the theory there would be helpful.	The content of the app focused on 4 categories of child-development promoting behaviors: talking, reading, playing, and praise. In addition to the reading log, parents/caregivers could earn points for doing talking, playing and praise activities. We hypothesized that the PIDA (parental involvement in developmental advance) and PVR (parental verbal responsivity) scores may change because the app did target these behaviors measured by these scales.	We clarified that the app emphasized talking, reading, playing, and praise. -Description of EDL content and features, lines 112-114 and 129-131. -Description of Measures, lines 177-180.
A9	The way sample members were selected seems potentially difficult for analysis, at least if I am understanding it correctly (though I may not be!). In particular, participants were selected from a clinic that already participates in the Reach Out & Read and Healthy Steps programs. It seems as though it is possible that folks going to these clinics are already being served by a reading support program and thus have no real motivation or need for the app. This would both limit generalizability to parents of children who attend a clinic with existing reading support and also might artificially deflate the effect of the intervention (since a lot of people in both the treatment and control group may already be "treated" by a reading support program). Do the authors have any information on whether sample members were already participating in these programs? Or are these programs considered "developmental therapies" and these people were excluded?	We edited our manuscript to clarify that those who received ROAR and/or Healthy Steps and our reasons for not excluding them. Our discussion already included a suggestion that a mobile health intervention to promote child development should be used in combination with other interventions.	Recruitment and Participants section, Lines 143-146: We did not exclude children who received Reach Out and Read books and/or Healthy Steps, because we aimed to conduct a pragmatic trial that reflects the 'real life' context for families. We wanted to understand if the EDL app could augment the care already provided by pediatric primary care clinics.

B1	I question the term "gamification" in this study.	We agree with this comment. We	We removed references to gamification
	Based on the interpretation I gathered	removed references to gamification and	throughout the manuscript.
	from the methodology and findings of the study,	clarified that the app included a points	
	the author(s) were administering a	and reward system.	
	"Points and Reward Tracking system", not a		
	gamified system. I recommend rewording to align		
	with what was conducted in the study. Although		
	the definition provided for Gamification may be		
	supported by goal setting, logging, points, and		
	rewards, the general understanding of "gamify" in		
	general population includes an additional element		
	of direct engagement and interaction with the		
	content on the screen. I recognize the direct		
	engagement/interaction for this study was the # of		
	minutes a person was reading to/with their child,		
	but this does not stimulate dopamine and the		
	desire to "want more" of the stimulant such as a		
	more interactive "gamified" experience.		
B2	Have you considered analyzing age in relation to	This is a great suggestion. However, we	No change
	attrition to see if there is an underlying mechanism	did not measure the age of the primary	
	of disconnect between one's age and the task at	caregiver. We did measure the age of	
	hand?	the child participant, but all children	
		were between 12 and 15 months (within	
		3 months of each other) at study	
		enrollment.	
B3	Check the document throughout for an extra space	Done.	Done.
	between sentences.		
B4	Pg. 8, line 263-272. I question the accuracy of this	Agree. We reworded this section.	Results, lines xxx:
	statement. Particularly from line 267-272. To		Among those for whom we had both
	indicate there was an increase between baseline		baseline and follow up STIMQ subscale
	and follow-up you would need the to compare the		scores, we found that the PIDA and READ
	same # of baseline participants. The increased		scores increased from baseline to follow up
	percentage may only be increasing because you are		for both groups (READ p=0.001 EDL, p=0.004
	now only comparing those that were more vested		IP; PIDA p=0.004 EDL, p<0.0001 IP).
	in the study from the beginning. Recommend		
	rewording this section.		
B5	Pg. 9, Line 280-287. How many persons provided	We edited the manuscript to clarify. Also	Results, lines 276-283:
	conversational feedback?	see responses to Reviewer A's questions	Among the 13 study participants who
		regarding the qualitative analysis.	received the EDL app and agreed to

B6	Pg. 9 App feedback. Did vou administer a Likert	We did not use a Likert scale. As noted	participate in semi-structured interviews, all 13 set a reading goal (they were prompted to do this when they first downloaded and opened the app) but only 5 used the app enough to earn one or more rewards. See changes made in response to Reviewer
	Scaled questionnaire in addition to the Q&A session? If so, please include this information. If not, this is a component necessary and needs to be added to future studies.	above, we did clarify the qualitative methods that we used. In the future, we will consider using Likert scale type questions as suggested by this reviewer.	А.
В7	Also consider gathering information on the software version of the smartdevice (iPhone 4 is going to be less compatible with app software platform than a person using an iPhone X or newer). The age of the smartdevice may have cause many of the issues expressed by participants in this study.	This is a great suggestion. Will do this in the future.	No changes needed.
B8	Pg 12, Line 392 – add "and" between …college education, "and" did not…	We revised this sentence.	Discussion, Lines 394-396: However, we also found that the majority of the low-income caregivers with less than college education whom we recruited for the study did not engage with the app.
B9	Pg 12, Line 392-395. The first sentence, "Common barriers" is left hanging and needs additional context. These last to sentences read oddly and need to be reworked.	We revised these sentences.	Discussion, Lines 396-399: The most common barrier to engagement was difficulty accessing the app. Some of the features that caregivers who did access the app found to be most be useful could be delivered via text messaging. Therefore, focusing on text messaging may be a solution to overcome the access barriers to using an app.
B10	Pg 17, Table 1. Fix the word Latino under Ethnicity.	The use of Latinx was purposeful. Our research group is moving toward using gender-neutral language. While there is not consensus among the Spanish speaking community, Latinx or Latine are the preferred gender-neutral terms. Our team, which includes native	No changes needed. We are happy for the editors to change this if the journal has a specific preference.

		Spanish-speakers, was most comfortable using 'Latinx'.	
B11	Pg 18, Table 3. Format this table for consistency of layout of the data output.	Done.	Done.

C1	It might be helpful to engage parents in using the app earlier (i.e., at first visit), and have a follow-up visit aimed at troubleshooting issues that are interfering with engagement.	We agree with statement and will consider for futures studies.	No changes needed.
C2	Given the target group for this intervention, it may be beneficial to have multiple family members engage in using the app or integrate a social element within it.	We agree with statement and will consider for futures studies.	No changes needed.
С3	Providing a phone and/or data plan for the parent to use specifically for the study could help reduce the number of access and technical issues. Data plans that run out at the end of the month or slow connectivity until the user pays for more data may have been a barrier to consistent app engagement.	While we agree with this statement, our goal was to conduct a pragmatic trial that reflects the real-life context of the families most likely to benefit from this intervention. Therefore, we chose not to provide a phone or data. We added a sentence to the discussion to explain this decision.	Discussion, Lines 399-403: We considered providing phones and/or data plans to study participants to decrease m-health access barriers, but chose not to because of our desire to conduct a pragmatic trial that reflected the 'real life' context of the families we thought were most likely to benefit from the intervention.
C4	Use of text message to deliver some of the content, as the authors suggest, also seems very promising.	Thanks for this comment.	No changes needed.