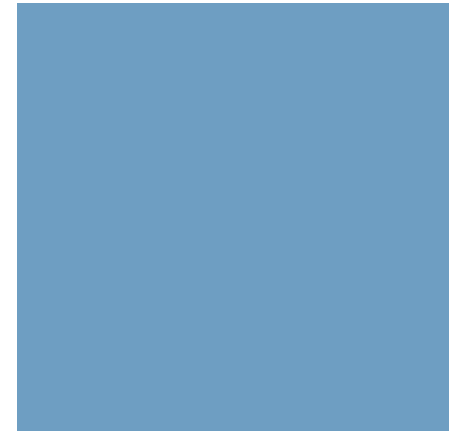


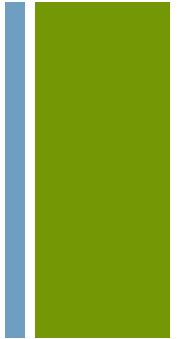
+ EVALUATING
CAREGIVER
COMPLIANCE
WITH DIFFERENT
DATA COLLECTION
METHODOLOGIES



MayInstitute
Shaping Futures. Changing Lives.



RESEARCH QUESTION



When providing In Home Behavioral Services to families, how do we get them to collect data when we are not present in the home?

+ PARTICIPANTS



- Three families receiving home consultation services.
- These families were receiving consultation and parent training with the goal of reducing dangerous and disruptive behaviors.

+ SETTING



- All data collection took place in the home of the families.



DEPENDENT VARIABLE



- At the end of each day, families were asked to complete a brief data sheet that described the frequency and intensity of multiple behaviors.
- The data sheets contained 4-7 multiple choice questions describing the frequency and intensity of behaviors the family is currently focusing on.



INDEPENDENT VARIABLE



- First Condition - Each family was asked to complete a pen and paper data sheet at the end of the day.
- Second Condition - Each family was asked to complete an online data sheet at the end of each day.
- In both conditions, the data sheets contained identical questions with identical choices.

+
**PEN &
 PAPER
 SHEET
 SAMPLE**

Week Of _____ To _____		Sun	Mon	Tue	Wed	Thu	Fri	Sat
Telling Mom What To Do	Did Not Happen							
	Once							
	Twice							
	Three Times							
	Four or More							
Name Calling	Did Not Happen							
	Once							
	Twice							
	Three Times							
	Four or More							
Innapropriate Language	Did Not Happen							
	Once							
	Twice							
	Three Times							
	Four or More							
Innapropriate Touching	Did Not Happen							
	Once							
	Twice							
	Three Times							
	Four or More							
Overall, This Morning Went...	Great							
	Really Good							
	Ok							
	Not So Good							
	Very Rough							
Was He Up During The Night?	A Lot							
	A Couple Times							
	Once							
	Not At All							
	Unsure							



write any notes on the back of this data sheet

+ GOOGLE DOCS



- The online data sheets were created using Google Docs and using the “Forms” tool.
- This tool allows you to easily create a free online form that can be filled out by any user and data filled out are compiled into an online spreadsheet.



GOOGLE DOCS

(CONT.)



- Data entry options include...
 - Multiple Choice
 - Drop Down List
 - Date
 - Time
 - Duration
 - Check Boxes
 - Text
 - Paragraph Text
 - Grid
 - Scale

+ ONLINE DATA DEMO



Edit this form

Daily Data Sheet

Fill out daily

* Required

Date *

Month Day

Aggression *

Swearing (General) *

Swearing (At People) *

Running Out Of The House *

Exposing Himself *

Where Was He When He Pulled Down Pants?

(Check any that apply)

- Home
- Outside
- Community

Notes

+ ONLINE DATA DEMO



Home Sheet

Please fill this out every morning after the morning routine is completed

* Required

Date *

Month Day

Telling mom what to do *

- Did Not Happen
- Once
- Twice
- Three Times
- Four or More Times

Name Calling *

- Did Not Happen
- Once
- Twice
- Three Times
- Four or More Times

Inappropriate Language *

- Did Not Happen
- Once

Edit this form

+ PROCEDURE



- All families participated in both conditions of the study in a multiple baseline design.
- All families were first asked to complete pen and paper sheets. Later they were asked to complete online data sheets asking identical questions.



DATA COLLECTION



- Pen and Paper Phase - Data were collected by having the consultant collect the data sheets during meetings with the family.
- Online Data Collection Phase - Data were collected by having the consultant log onto the website that compiles the data on a daily basis.



DATA COLLECTION (CONT.)



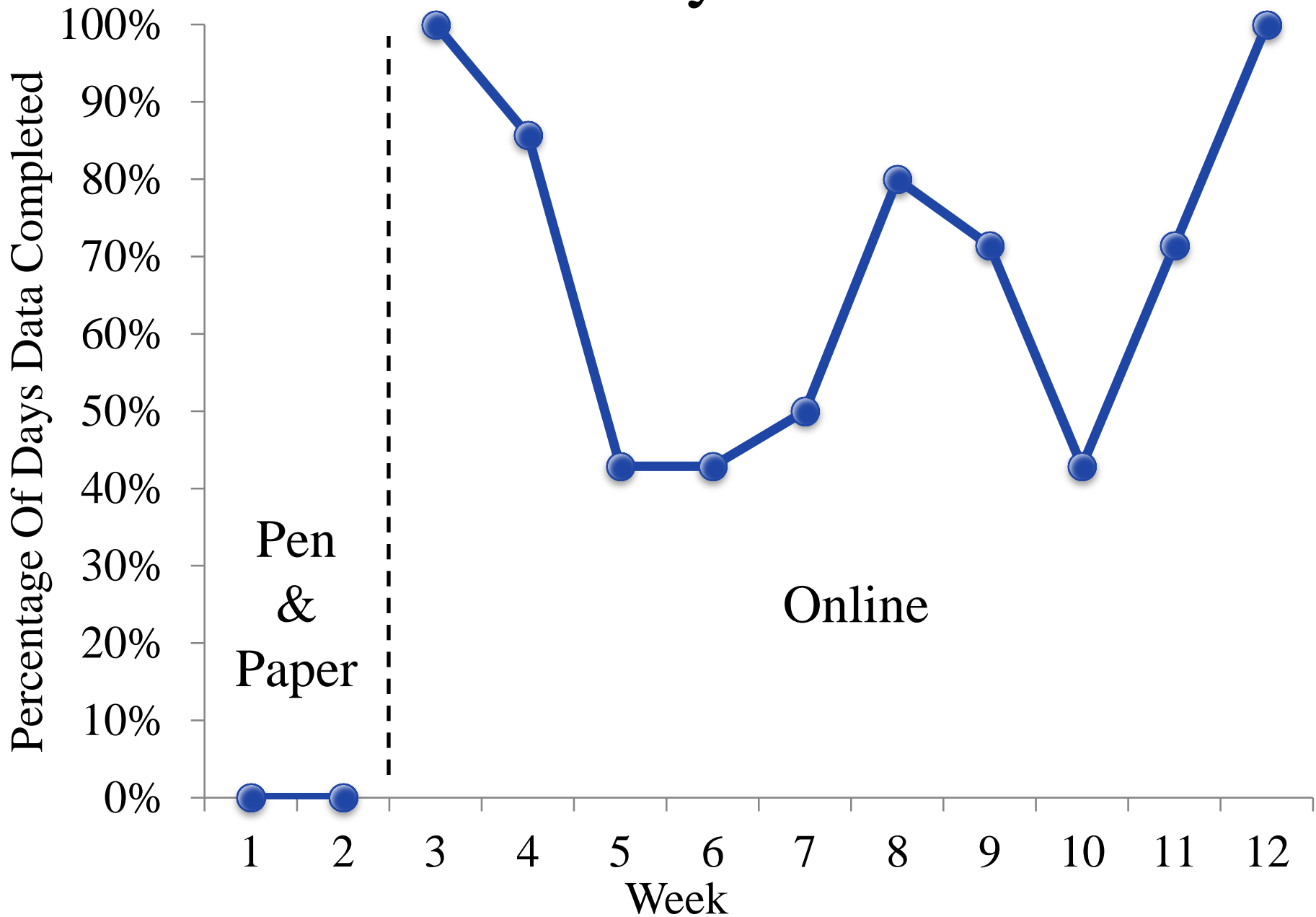
- Data were collected on the percentage of days the data sheets were completed.
- Each day was scored as “Yes” data were collected or “No” data were not collected
- Note: No data were taken on the accuracy of the data collected by the family.

+ INTEROBSERVER AGREEMENT

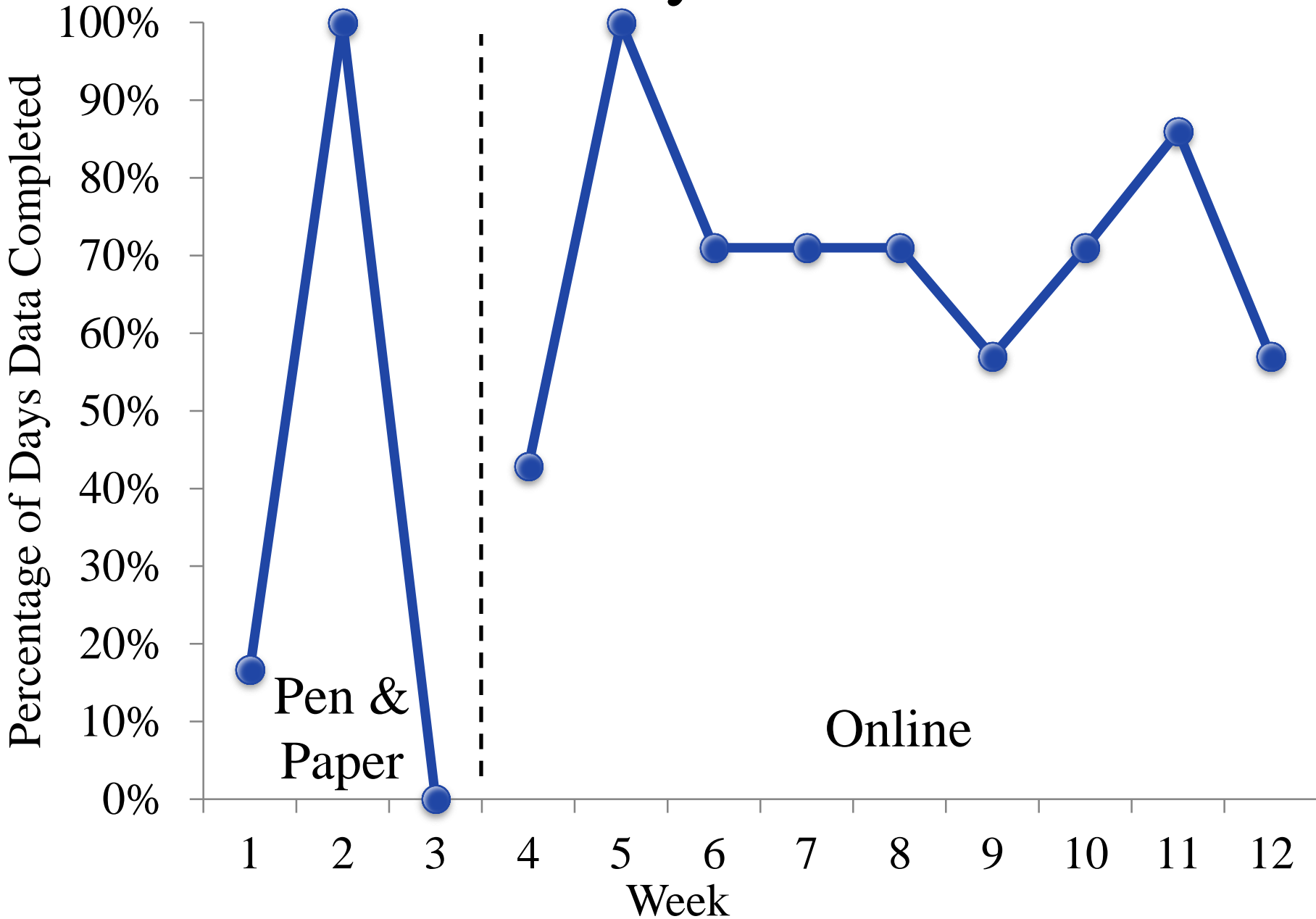


- Interobserver agreement was conducted on 83% of the data collected and agreement between observers was calculated at 97%.

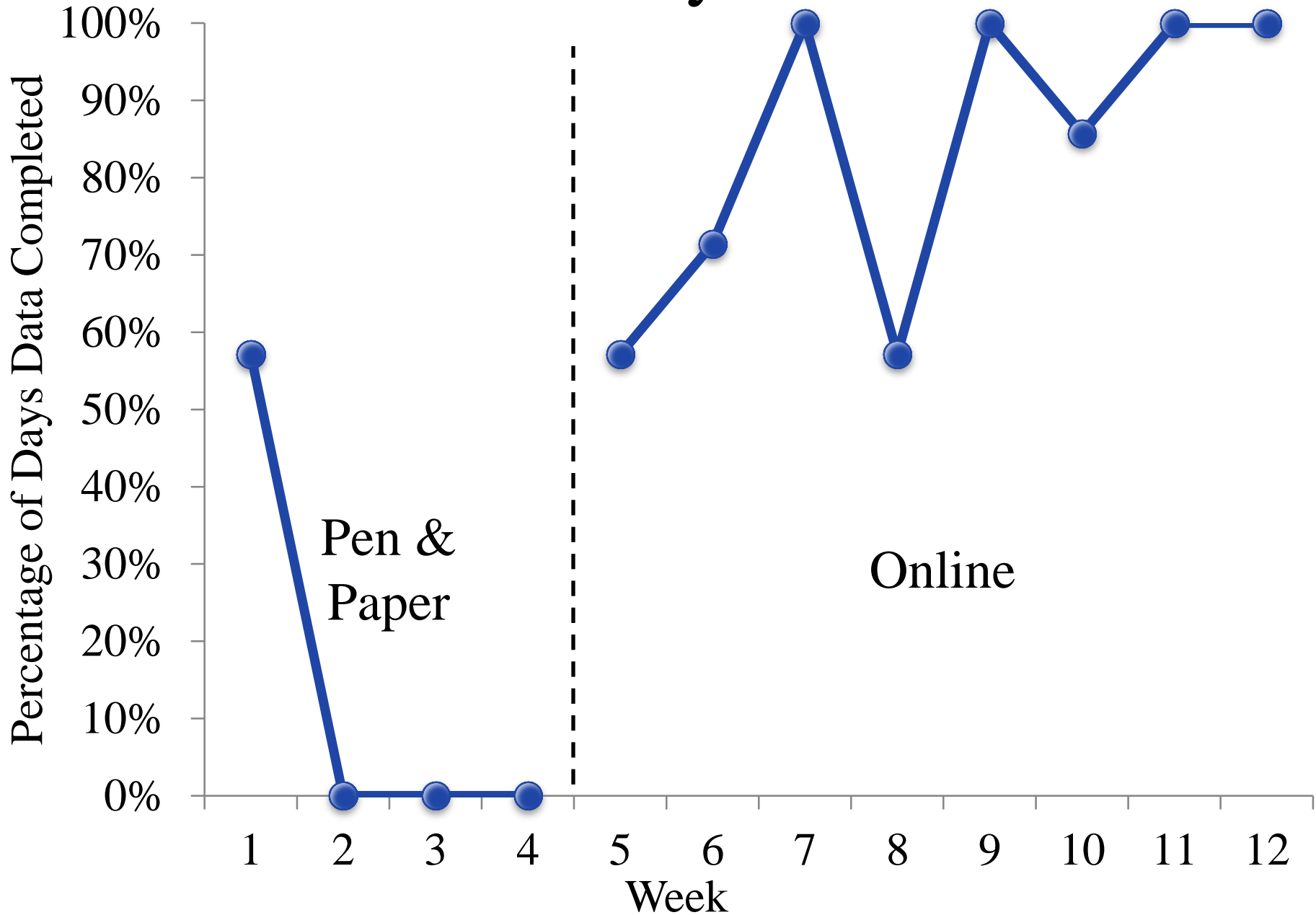
Family A

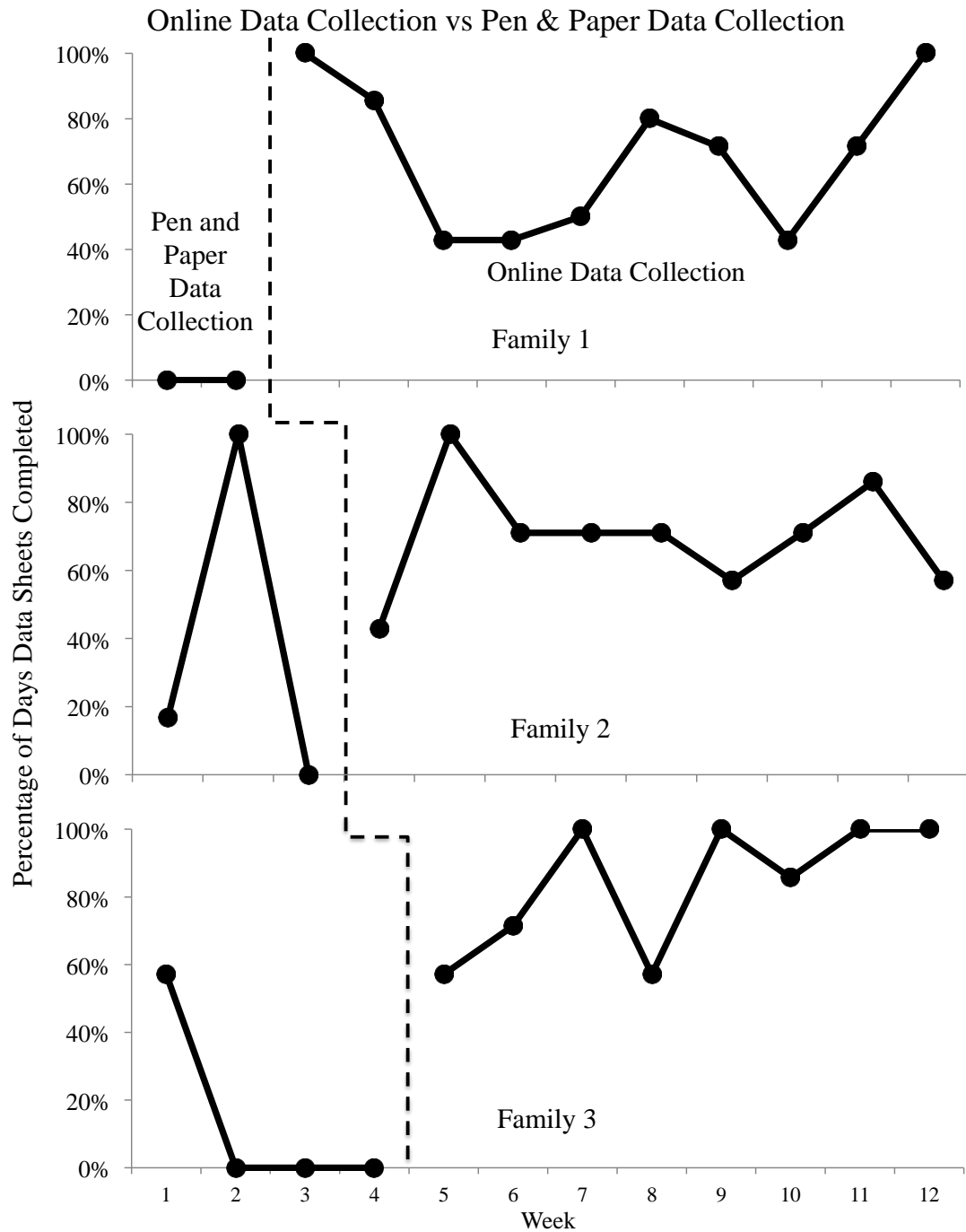


Family B



Family C





+ LATENCY TO VIEW DATA



- Another question answered in the study was how long will it take for the consultant to see the data.
- These data were collected by comparing the date the behaviors occurred and the date the consultant was presented with the data (either by checking the online spreadsheet or being handed a paper data sheet)

+ TIME BETWEEN BEHAVIOR OCCURRING AND DATA SEEN BY CONSULTANT



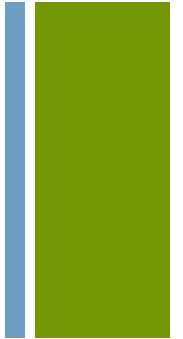
	Sunday	Monday	Tuesday	Wednesday
Pen & Paper	3.9 Days			
Online	0.9 Days			

+ SOCIAL VALIDITY



- Parents were asked to complete a brief 3 question social validity questionnaire at the completion of the study.
- The questions involved preference, ease of use, and privacy concerns.
- The questionnaires were (of course) filled out online.

+ WHICH DATA COLLECTION METHOD DID YOU PREFER?



Very Strongly Preferred Online



Strongly Preferred Online



Preferred Online

No Preference

Preferred Pen & Paper

Strongly Preferred Pen & Paper

Very Strongly Preferred Pen & Paper

+ WHICH DATA COLLECTION METHOD DO YOU THINK WAS EASIER?



Online Was A Lot Easier



Online Was A Little Easier

No Difference

Pen & Paper Was A Little Easier

Pen & Paper Was A Lot Easier

+ HOW WOULD YOU RATE
YOUR LEVEL OF CONCERN
WITH PLACING
INFORMATION ONLINE?



Not Concerned At All

Somewhat Concerned

Very Concerned



+ LIMITATIONS



- No data were taken on the accuracy of the data collected.
- All participants were required to have reliable access to the internet.



FUTURE RESEARCH



- Future research should build on this study by examining the use on online data collection while...
- Examining the accuracy of the data collected.
- Applying these methodologies to other data collection types, such as skills acquisition data.

+ CONCLUSION



- Using online data collection such as the one described in this study is a useful tool to...
 - Increase the frequency of data collected by families
 - Decrease the latency between the occurrence of the behavior and the consultant viewing the data
 - Increase parent satisfaction