

# B6OMSI: A new and available O&M Evaluation Tool for Birth-6

September 12, 2019

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## B6OMSI

- 2012-NMSBVI Birth to 3 Program was asked to create an evaluation tool similar to one that was created by Ron Later NMSBVI COMS for K-12.
- Need for evaluation tool that could provide consistency statewide in the area of O&M for the Birth-3 population.
- NMSBVI Birth-3 COMS team collaborated to produce the first evaluation tool.

## COLLABORATION EFFORTS & SUCCESSES

- B6OMSI was created by the New Mexico School for the Blind and Visually Impaired Birth to 3 program!
- While presenting at the International Mobility Conference in Montreal, Dr. Dawn Anderson from Western Michigan University proposed a collaboration.
- B6OMSI was Selected by Western Michigan University for advanced research headed by Dr. Dawn Anderson.
- The Birth to 6 Orientation & Mobility Skills Inventory evaluation tool is NOW the only tool that is VALID and RELIABLE for children Birth-6 who are blind or visually impaired
- Continues to be a work in progress; Research Edition

## HIGHLIGHTS OF THE B6OMSI

- Free
- Easy to use
- Excel Worksheet
- Quantifies data
- Can use data to set goals, objectives, determine needs and strengths, etc.
- Measures progress over time
- Ability to forward to the next COMS
- May be used for research

## HIGHLIGHTS OF THE B6OMSI

- Supports transition
- Supports the Expanded Core Curriculum

## B6OMSI

Evaluates the following areas:

- Orientation Skills
- Mobility Skills
- Concept Development
- Perceptual (Sensory Skills)
- Cane Skills
- Communication Skills

## B6OMSI

- [www.nmsbvi.k12.nm.us](http://www.nmsbvi.k12.nm.us)
- Go to *Birth to Three*
- Go to *O&M Inventory-B6OMSI-RE-(Research Edition)*

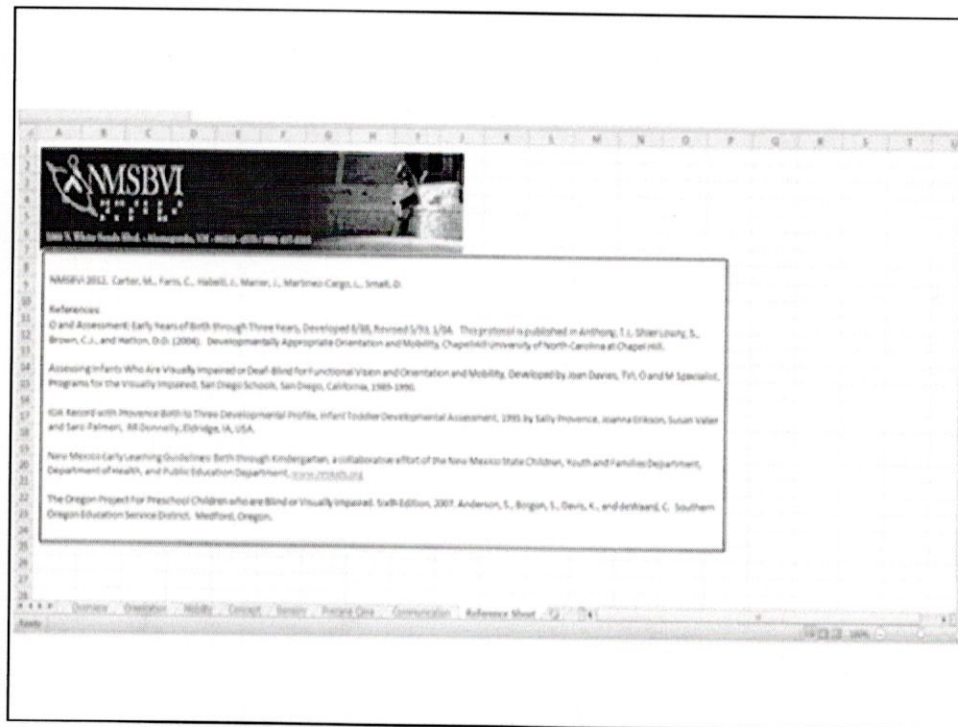
### B6OMSI

- **9 Excel spreadsheets**

- 1. Background Sheet
- 2. Overview Scores Set
- 3. Instruction Sheet

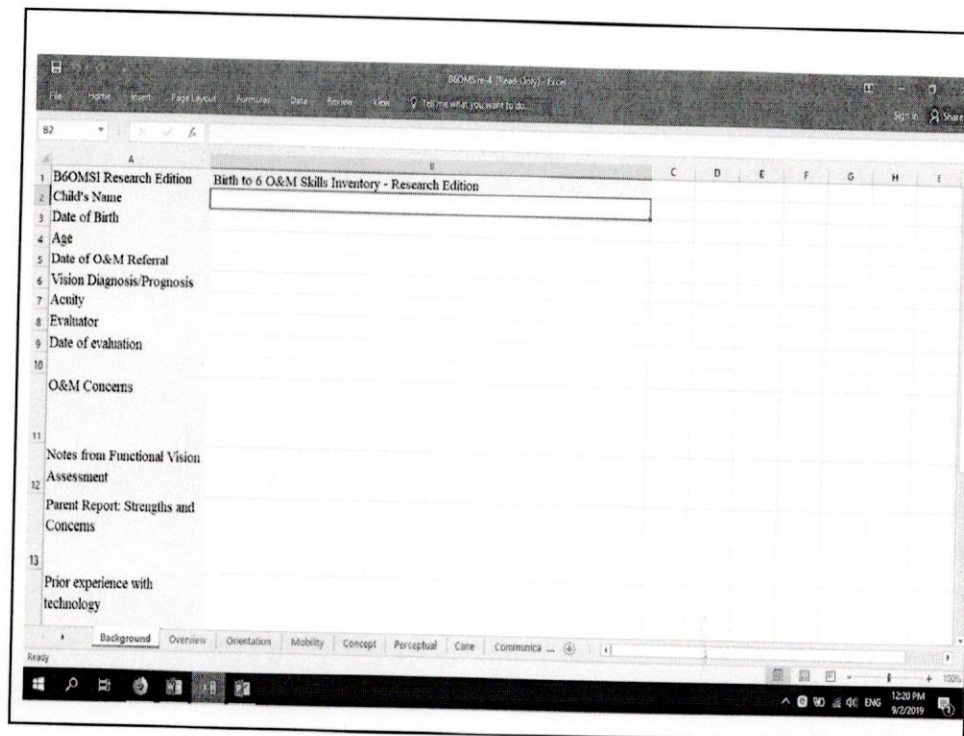
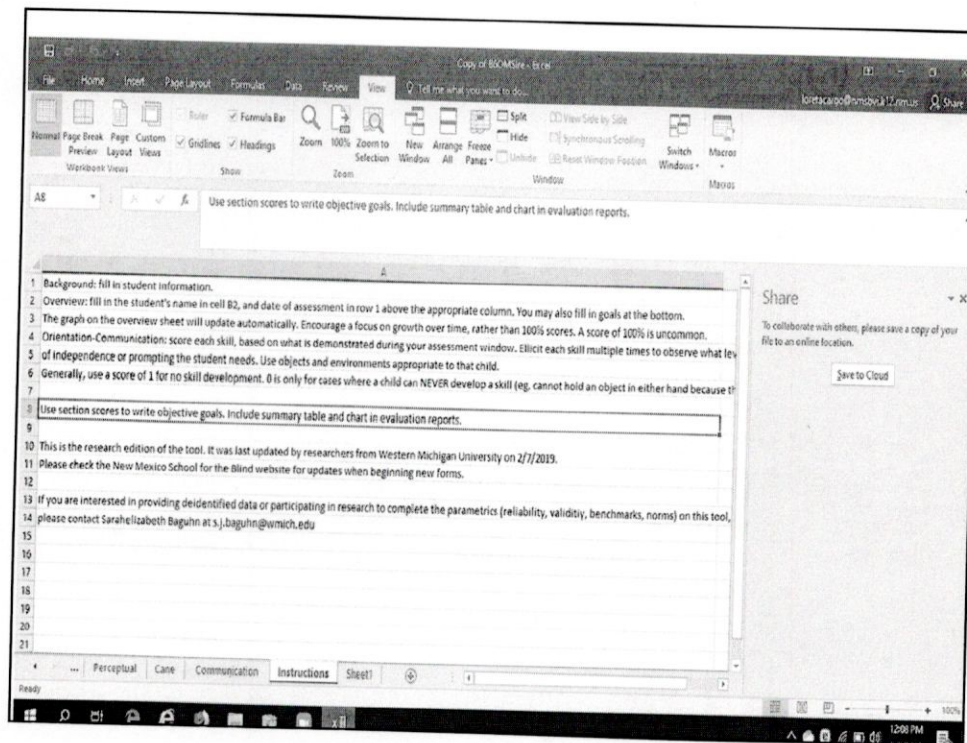
- **6 Domains:**

- 1. Orientation Skills
- 2. Mobility Skills
- 3. Concept Development
- 4. Perceptual Skills
- 5. Cane Skills
- 6. Communication Skills



## INSTRUCTIONS

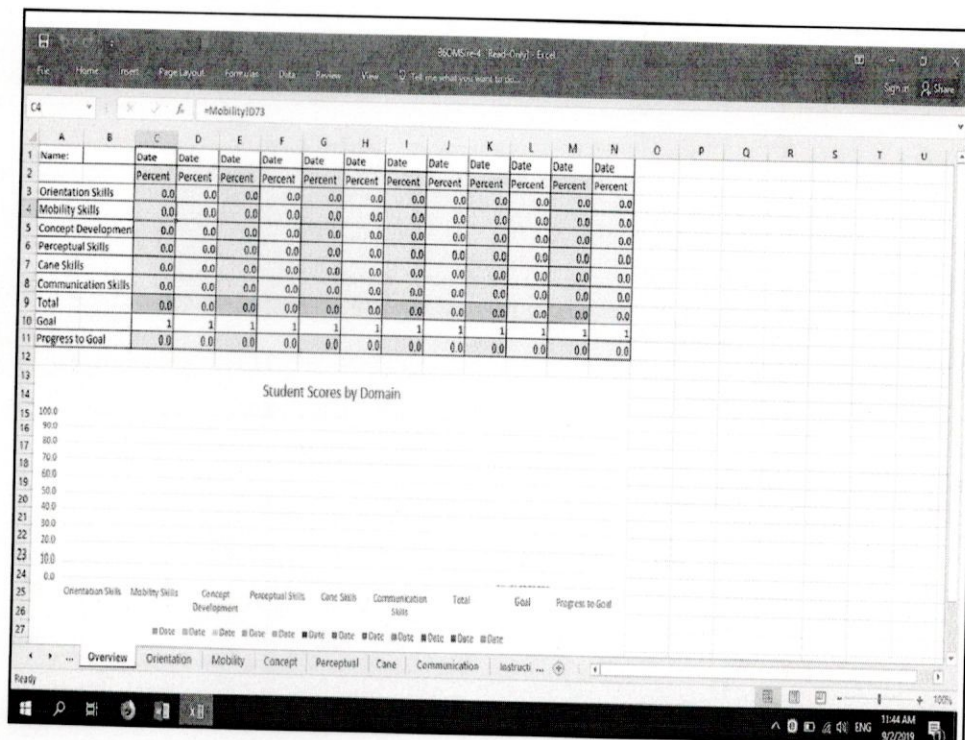
- Opens up to this sheet (next slide).
- Gives instructions for each sheet.





## B6OMSI-Overview

- Enter the student's name cell B2, it does not transfer over from the background page.
- Can be completed 12 times.
- Fill in the goal.
- Graph automatically updates.



# ORIENTATION SKILLS

Copy of 30040916 - Excel

File Home Insert Page Layout Formulas Data Review View Tell me what you want to do

Normal Page Break Preview Layout Views Gridlines Headings Zoom 100% Zoom to Selection View Arrange Freeze Panes Hide Synchronous Scrolling Switch Windows Macros

C14

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Orientation Skills (first six columns on overview page)		Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date		
2			Input	Auto	Input	Auto	Input	Auto	Input	Auto	Input	Auto	Input	Auto		
3	1. Early Skills		Score	Score	Score	Score	Score	Score	Score	Score	Score	Score	Score	Score		
4	a. Uses hands to make contact															
5	b. Uses feet to make contact															
6	c. Reaches to find nearby object or person (within arms' reach)															
7	d. Searches and locates nearby object in sitting															
8	e. Searches for items or persons in environment (beyond arms' reach)															
9	f. Searches for and locates dropped objects															
10	2. Moving with a Purpose															
11	a. Moves to person who is initiating engagement															
12	b. Moves to person who is in the environment															
13	c. Moves to an object of interest															
14	d. Moves to find/follow to another room															
15	e. Moves to another room															
16	f. Knows/travels through home															

Share

To collaborate with others, please save a copy of your file to an online location.

Save to Cloud

Overview Orientation Mobility Concept Perceptual Cane

Ready 12:02 PM 9/2/2019



BLOMShe-4 (Read-Only) - Excel

File Home Insert Page Layout Formulas Data Review View Tell me what you want to do...

Sign in Share

C34

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
16		f. Knows/travels through home																			
17		a. Use of Auditory Information for Orientation																			
18		a. Listens/responds to environmental sounds																			
19		b. Localizes a stationary sound																			
20		c. Moves toward a stationary sound																			
21		d. Tracks a moving sound																			
22		e. Demonstrates the ability to identify & label environmental sounds																			
23		f. Uses sound to orient to the environment																			
24		g. Travels in a straight line using sound																			
25		h. Recognizes presence of sound shadows and/or echoes																			
26		i. Detection of a wall																			
27		j. Detection of an opening in a wall																			
28		k. Auditory discrimination between environmental materials (windows, walls, drapes etc) when noise is generated from source																			
29		l. Auditory discrimination between environmental materials (windows, walls, drapes etc) from self generated sounds bouncing off of materials																			
30		4. Use of Landmarks																			
31		a. Identifies familiar landmarks in the home																			
32		b. Identifies familiar landmarks in community																			
33		c. Makes familiar turn or action at a landmark																			
34		5. Travel Routes																			

Background Overview Orientation Mobility Concept Perceptual Cane Communicative

Ready

12:25 PM 9/2/2019

BLOMShe-4 (Read-Only) - Excel

File Home Insert Page Layout Formulas Data Review View Tell me what you want to do...

Sign in Share

C34

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
34		5. Travel Routes																			
35		a. Uses simple one-way routes at home																			
36		b. Uses simple one-way routes at preschool																			
37		c. Uses route reversals at home																			
38		d. Uses route reversals at preschool																			
39		6. Outdoor Travel																			
40		a. Plays outdoors																			
41		b. Plays on community playground																			
42		c. Follows someone to a location																			
43		d. Finds a specified location																			
44		7. Advanced Orientation Skills/Environmental Awareness																			
45		a. Names current room																			
46		b. Differentiates indoors and outdoors																			
47		c. Names other people in the room																			
48		d. Names current building																			
49		e. Identifies familiar outdoor spaces																			
50		f. Detects and identifies obstacles																			
51		g. Detects drop offs																			
52		h. Detects traffic																			
53		i. Identifies known risks in familiar environment																			
54		8. Traffic																			
55		a. Identifies traffic as a hazard/knows not to go into streets																			
56		b. Differentiates street from pedestrian space																			
57		c. Identifies crossing happen at crosswalks or intersections																			

Background Overview Orientation Mobility Concept Perceptual Cane Communicative

Ready

12:26 PM 9/2/2019

Excel window: B10MGL-4 Read-Only - Excel

File Home Insert Page Layout Formulas Data Review View Tell me what you want to do... Sign in

Formula bar: C14

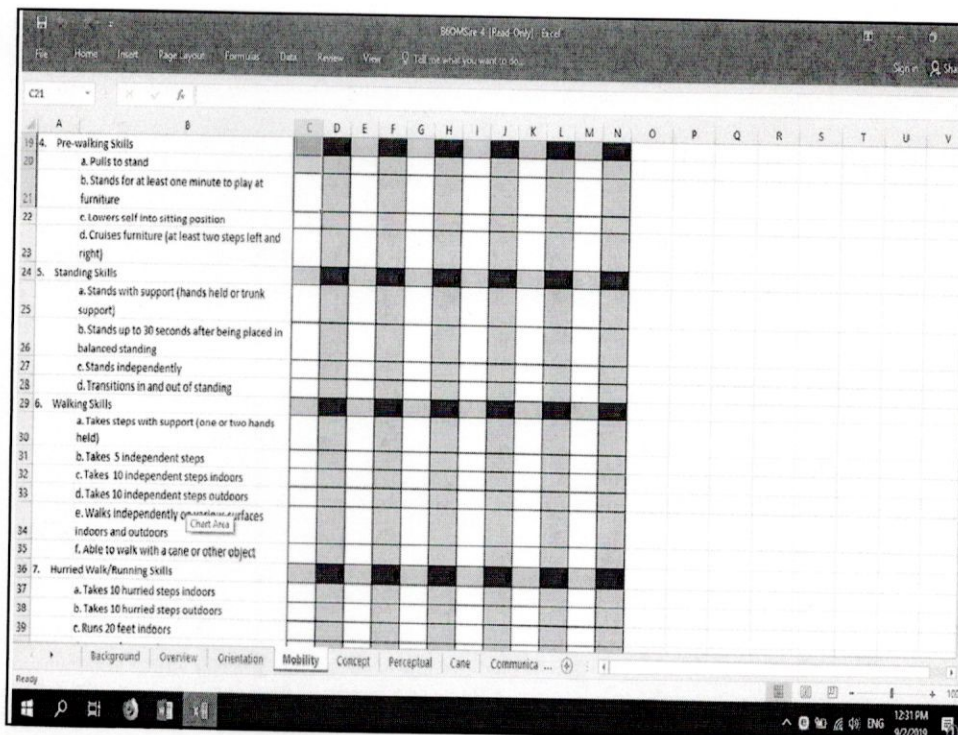
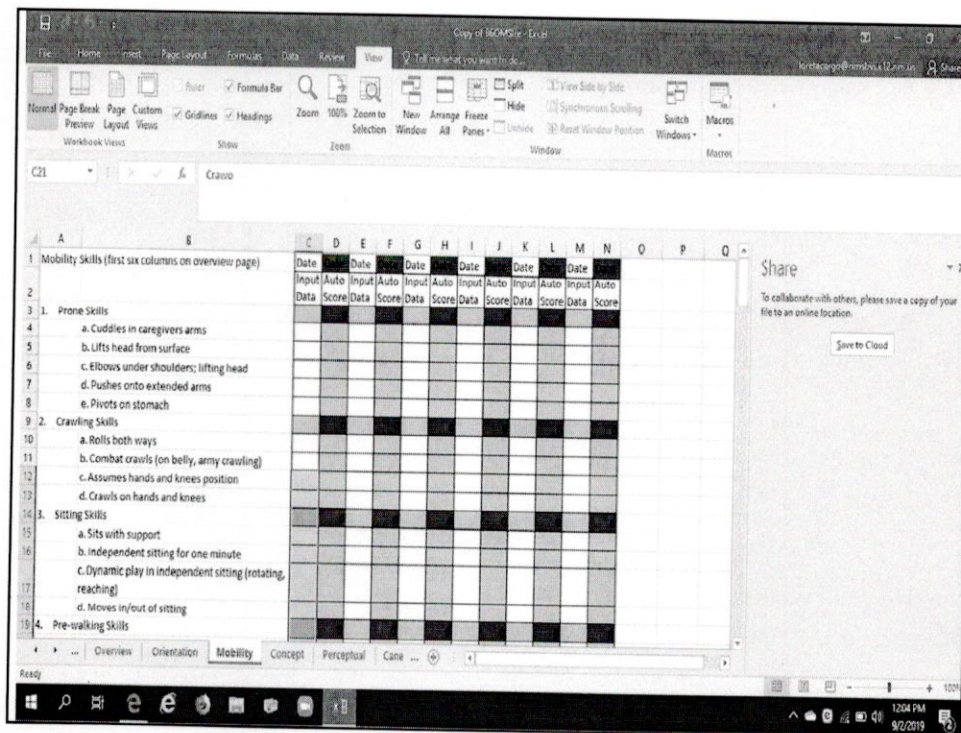
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
58		d. Knows basic controls: green/go, red/stop, stop signs																			
59		raw score for section																			
60		average score for section																			
61		percentage score for section																			
62																					
63		<b>RATING SCALE</b>																			
64		0-Student not capable of developing skill or will never need skill. (Zeros do not count against score.)																			
65		1-Student does not yet demonstrate skill but may/will need to learn skill.																			
66		2-Student only demonstrates skill with verbal and/or physical prompting.																			
67		3-Student sometimes (3 of 5 trials) demonstrates skill without verbal and/or physical prompting.																			
68		4-Student often (4 of 5 trials) demonstrates skill without verbal and/or physical prompting.																			
69		5-Student consistently (5 of 5 trials) demonstrates skill without verbal and/or physical prompting.																			
70																					
71		Orientation Skills (first six columns on overview page)	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date							
72			Input Data	Auto Score	Input Data	Auto Score	Input Data	Auto Score	Input Data	Auto Score	Input Data	Auto Score	Input Data	Auto Score							
73	1.	Early Skills																			
74		a. Uses hands to make contact																			
75		b. Uses feet to make contact																			
76		c. Reaches to find nearby object or person (within arms' reach)																			
77		d. Searches and locates nearby object in sitting																			
78		e. Searches for items or persons in environment (beyond arms' reach)																			
79		f. Searches for and locates dropped objects																			

Taskbar: Background Overview Orientation Mobility Concept Perceptual Cane Communicate

System tray: 12:28 PM 9/2/2019

# MOBILITY SKILLS





		BOMItem 4 (Read-Only) - Excel																					
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
40			d. Runs 20 feet outdoors																				
41			e. Runs with guide holding hands or prop/rope																				
42			f. Runs independently on various surfaces indoors and outdoors																				
43	8.		Quality of Independent Walking																				
44			a. Stride (demonstrates appropriate stride length)																				
45			b. Arm Swing (demonstrates arm swing when walking)																				
46			c. Stance (demonstrates appropriate stance phase)																				
47			d. Walks with balanced heel to toe foot strike																				
48			e. Aligns head, shoulders, hips and feet when walking																				
49			f. Balance (demonstrates balance when walking on typical indoor surfaces)																				
50			g. Balance (demonstrates balance when walking on typical more varied outdoor surfaces)																				
51			h. Demonstrates walking speed appropriate for conditions																				
52	9.		Climbing Skills																				
53			a. Climbs on/off furniture																				
54			b. Climbs up/down stairs with assistance																				
55			c. Climbs up/down stairs independently																				
56			d. Climbs/plays on playground equipment independently																				
			e. Walks up and down stairs without alternating																				
		Background	Overview	Orientation	Mobility	Concept	Perceptual	Care	Communication														

Excel spreadsheet titled "BOMItem 4 (Read-Only) - Excel" showing a data entry form for a student's performance on various skills.

The spreadsheet has columns A through V and rows 1 through 21. The data is organized into sections:

- Section 10: Gross Motor**
  - f. Walks up and down stairs alternating feet (may or may not use wall or hand rail)
  - a. Jumps clearing both feet
  - b. Kicks playground ball
  - c. Tosses ball with two hands
  - d. Chases ball
  - e. Marches
  - f. Skips
  - g. Hops on one foot
- Section 11: Advanced Skills**
  - a. Moves forward on riding toy
  - b. Pedals a tricycle or bicycle
  - c. Rides a bicycle
- Summary Rows**
  - raw score for section
  - average score for section
  - percentage score for section
- RATING SCALE**
  - 0-Student not capable of demonstrating skill or does not need skill. (Zeros do not count against score.)
  - 1-Student does not yet demonstrate skill but may/will need to learn skill.
  - 2-Student only demonstrates skill with verbal and/or physical prompting.
  - 3-Student sometimes (3 of 5 trials) demonstrates skill without verbal and/or physical prompting.
  - 4-Student often (4 of 5 trials) demonstrates skill without verbal and/or physical prompting.
  - 5-Student consistently (5 of 5 trials) demonstrates skill without verbal and/or physical prompting.
- Mobility Skills** (last six columns on overview page)
 

Date	Date	Date	Date	Date	Date	Date	Date

The bottom of the image shows the Windows taskbar with the time 12:33 PM and date 9/2/2019.



# CONCEPT DEVELOPMENT

Copy of BQIMire - Excel

File Home Insert Page Layout Formulas Data Review View Tell me what you want to do

Normal Page Break Page Custom Workbook Views Page Layout Views Show Gridlines Headings Zoom 100% Zoom to Selection New Arrange Freeze Hide Split View Side by Side Synchronous Scrolling Switch Windows Macros

CB

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Concept Development (first six columns on overview page)		Date	Auto	Input	Auto	Date	Auto	Input	Auto	Date	Auto	Input	Auto	Date	Auto	Input
2			Date	Score	Data	Score	Data	Score	Data	Score	Data	Score	Data	Score	Data	Score	Data
3	1. Body Concepts																
4	a. Infant molds to caregiver																
5	b. Plays with own hands and feet																
6	c. Touches three body parts on request (e.g., nose, mouth, stomach)																
7	d. Uses body parts upon request to complete an action																
8	e. Walks forwards, backwards, sideways																
9	f. Turns left, right, and around																
10	g. Places objects in relation to body																
11	h. Understands objects in relation to self																
12	2. Spatial Concepts																
13	a. Demonstrates understanding of in/out																
14	b. Demonstrates understanding of under/over																
15	c. Demonstrates understanding of up/down																
16	d. Demonstrates understanding of high/low																
17	e. Demonstrates understanding of top/bottom																
18	f. Demonstrates understanding of front/back																

Share

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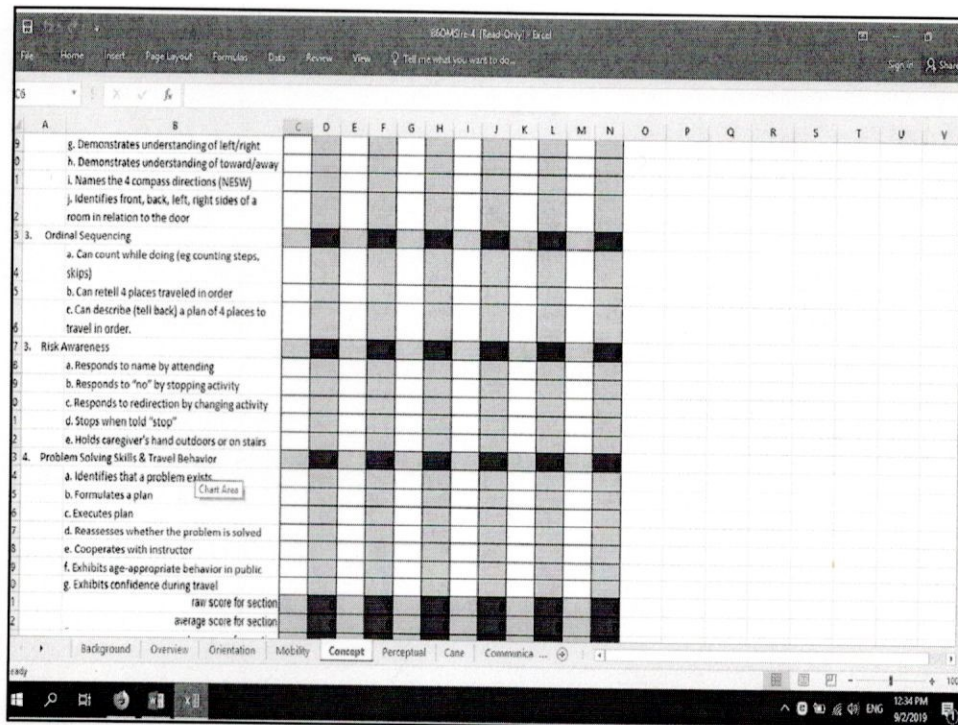
Save to Cloud

Ready

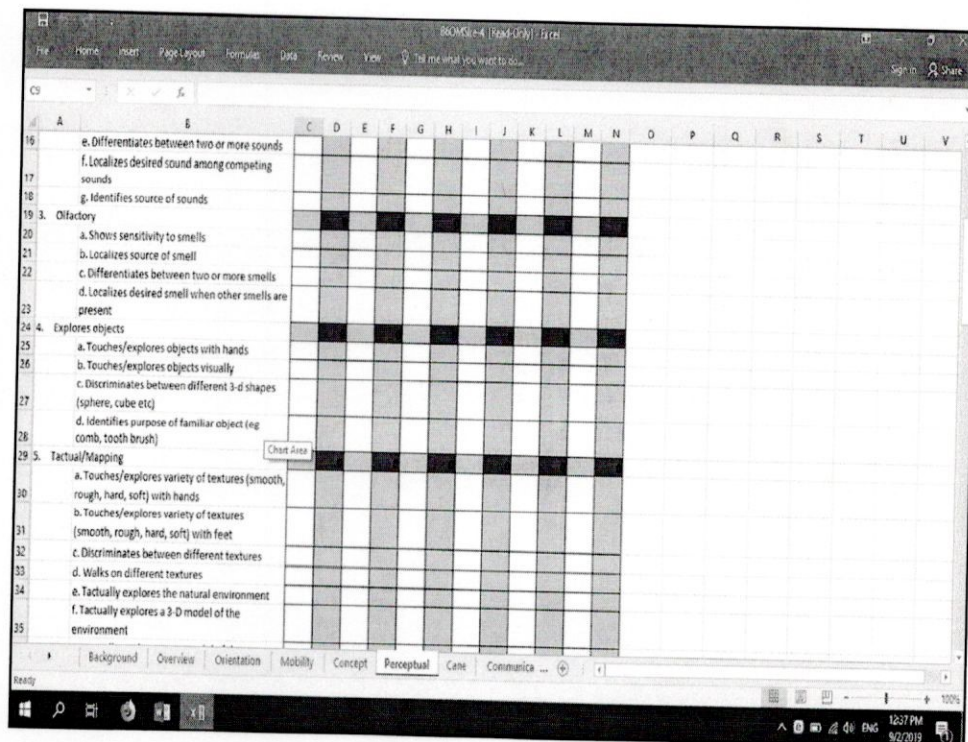
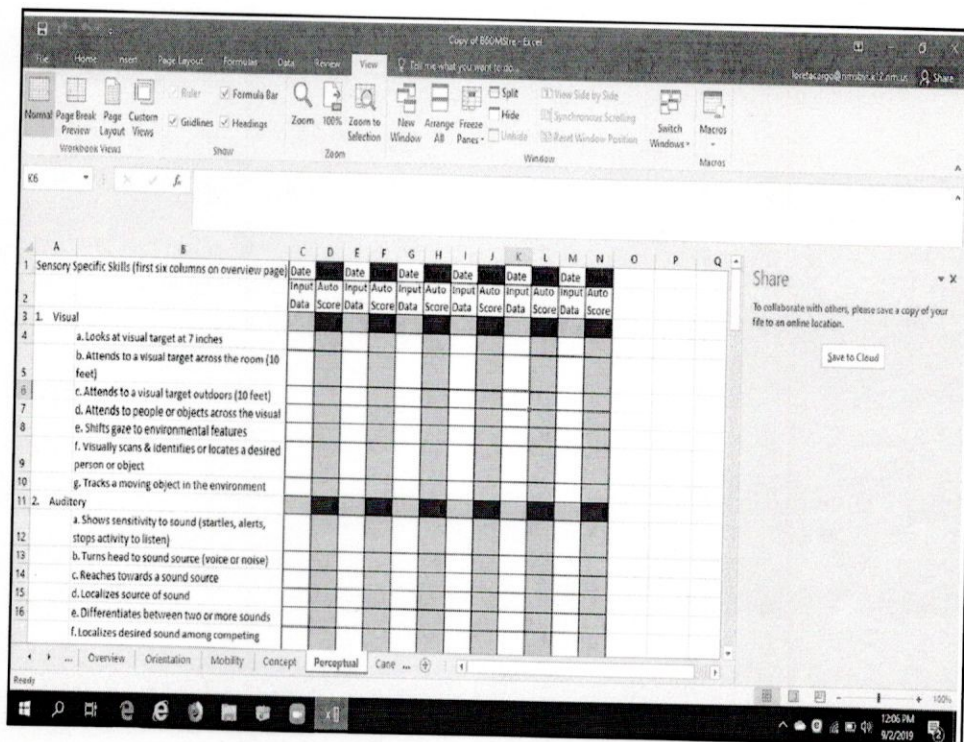
Overview Orientation Mobility Concept Perceptual Cane ...

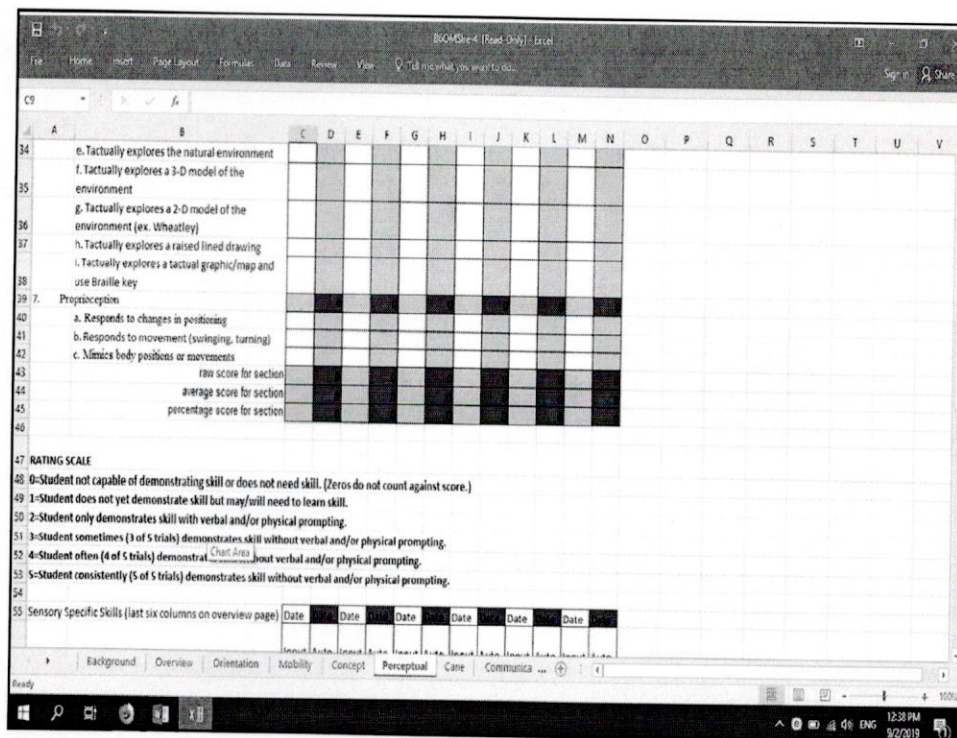
12:05 PM 9/2/2019





PERCEPTUAL





## CANE SKILLS



Copy of 680MLine - Excel

File Home Insert Page Layout Formulas Data Review View Tell me what you want to do

Normal Page Break Page Custom Formula Bar Zoom 100% Zoom to Selection New Arrange Freeze Split View Side by Side Synchronous Scrolling Switch Windows Macros

Workbook Views Show Gridlines Headings Zoom Window

C7

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Cane Skills/Basic Travel (first six columns on overview page)		Date	Input	Auto	Date	Input	Auto	Date	Input	Auto	Date	Input	Auto	Date	Input	Auto
2			Data	Score	Data	Score	Data	Score	Data	Score	Data	Score	Data	Score	Data	Score	
3	1. Reaching/Holding Skills																
4		a. Reaches/swipes at toys/objects															
5		b. Reaches/grasps toys/objects															
6		c. Reaches/holds objects with either hand															
7		d. Transfers object from one hand to the other															
8	2. AMD Skills																
9		a. Explores the device															
10		b. Holds onto AMD for 30 seconds															
11		c. Maintains balance & alignment while pushing a push toy or AMD															
12		d. Stops when AMD or push toy detects an obstacle															
13		e. Stops when AMD or push toy detects a surface change															
14		f. Safely moves around people or obstacles using AMD or push toy															
15	3. Cane Skills																
16		a. Explores the cane															

Orientation Mobility Concept Perceptual Cane

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Task Endpoint Attribution: 76.3201.0 12:18 PM 9/2/2019

680MLine-4 (Read-Only) - Excel

File Home Insert Page Layout Formulas Data Review View Tell me what you want to do

C7

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
16		a. Explores the cane																				
17		b. Holds a cane for 30 seconds																				
18		c. Pushes cane in front when walking																				
19		d. Maintains constant contact of the cane for one minute																				
20		e. Stops when cane detects an obstacle																				
21		f. Stops when cane detects a change in surface																				
22		g. Safely moves around people or obstacles																				
23		h. Stops when cane detects a drop-off																				
24		i. Safely navigates drop-offs resuming & maintaining line of travel																				
25	4. Basic Travel Skills																					
26		a. Uses human guide techniques																				
27		b. Uses hand for trailing																				
28		c. Uses upper forearm protective technique																				
29		d. Locates dropped objects in a systematic manner																				
30		raw score for section																				
31		average score for section																				
32		percentage score for section																				
33																						
34	RATING SCALE																					
35	0-Student not capable of demonstrating skill. (Zeros do not count against score.)																					
36	1-Student does not yet demonstrate skill but may/will need to learn skill.																					
37	2-Student only demonstrates skill with verbal and/or physical prompting.																					
38	3-Student sometimes (3 of 5 trials) demonstrates skill without verbal and/or physical prompting.																					
39	4-Student often (4 of 5 trials) demonstrates skill without verbal and/or physical prompting.																					

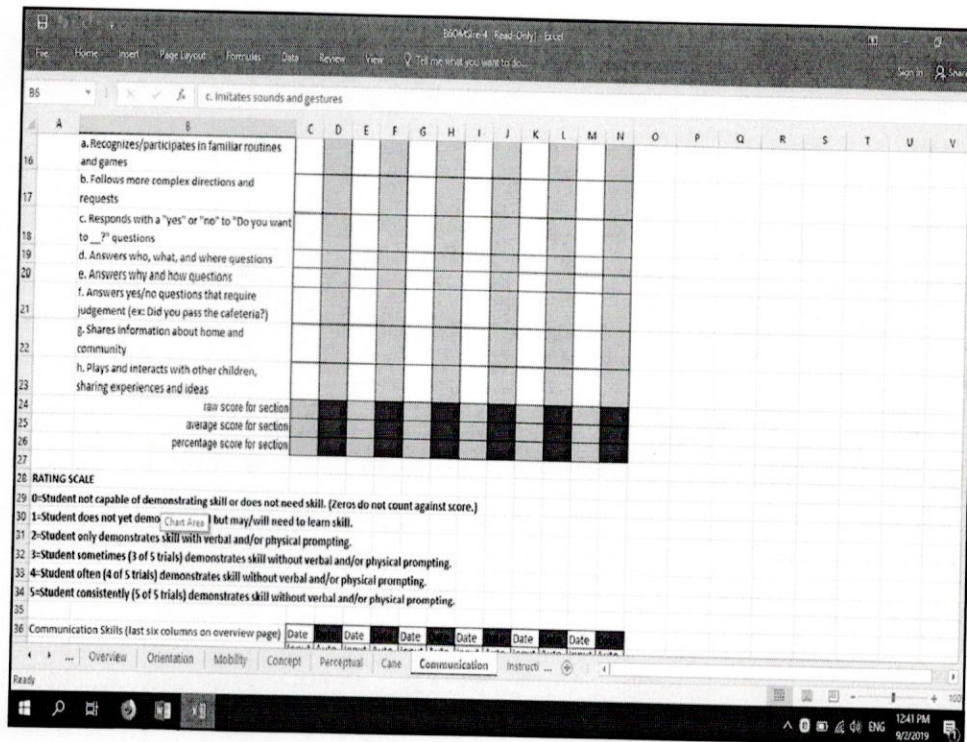
Background Overview Orientation Mobility Concept Perceptual Cane

Ready 12:39 PM 9/2/2019

# COMMUNICATION

[illegible]





## RATING SCALE

- 0=Student not capable of demonstrating skill or does not need skill. (Zeros do not count against score.)
- 1=Student does not yet demonstrate skill but may/will need to learn skill.
- 2=Student only demonstrates skill with verbal and/or physical prompting.
- 3=Student sometimes (3 of 5 trials) demonstrates skill without verbal and/or physical prompting.
- 4=Student often (4 of 5 trials) demonstrates skill without verbal and/or physical prompting.
- 5=Student consistently (5 of 5 trials) demonstrates skill without verbal and/or physical prompting.

8-6 O&M Inventory Evaluation Template 1.0 2016 (Read-Only) (Last saved by user) (Compatibility Mode) - Word

File Home Insert Design Layout References Mailings Review View Tell me what you want to do

Orientation and Mobility Evaluation

Child's Name

Date of Birth

Date of Evaluation

Chronological Age

Demographics

Vision Diagnosis

Background

- Movement Concerns:
- Safety Concerns:
- Justification for O&M Service

Page 1 of 2 86 words

3:43 AM

8-6 O&M Inventory Evaluation Template 1.0 2016 (Read-Only) (Last saved by user) (Compatibility Mode) - Word

File Home Insert Design Layout References Mailings Review View Tell me what you want to do

Orientation and Mobility Report Continued

Orientation and Mobility Inventory

- I. Orientation Skills:  
Next Steps:
- II. Mobility Skills:  
Next Steps:
- III. Concept Development:  
Next Steps:
- IV. Sensory Skills:  
Next Steps:
- V. Precane and Cane Skills:  
Next Steps:
- VI. Communication Skills:  
Next Steps:

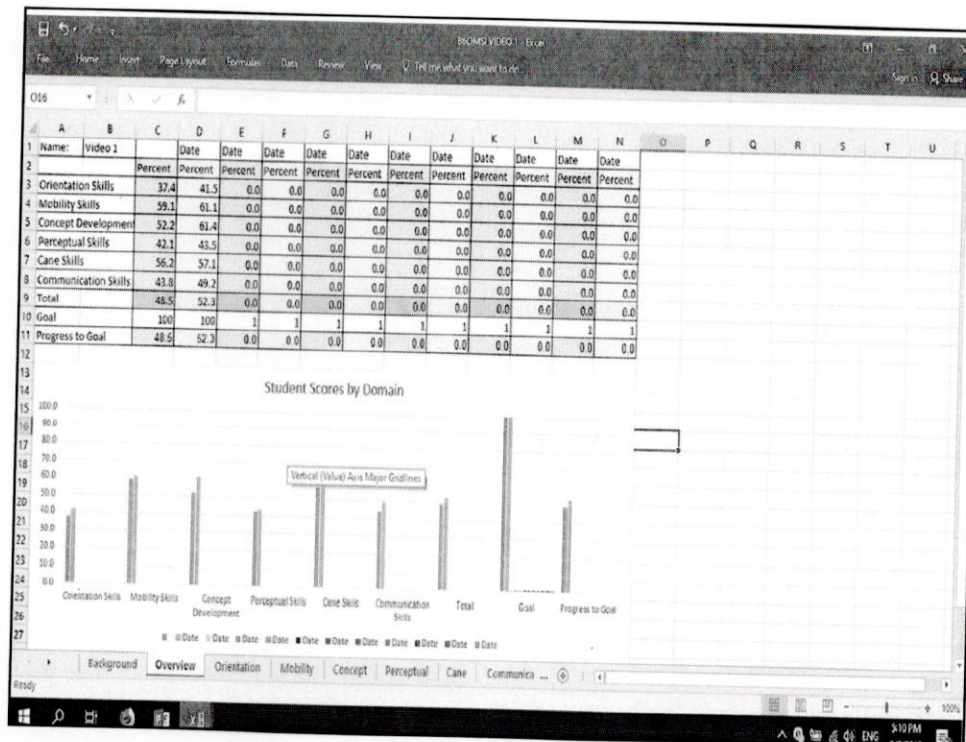
Summary:

It has been a pleasure working with \_\_\_\_\_, please contact me at \_\_\_\_\_  
\_\_\_\_\_ should you have any questions or concerns.

Page 2 of 2 86 words

3:47 AM  
9/3/2019

# Play Video 1





ANY  
QUESTIONS???