GMFM SCORE INTERPRETATION SHEET

GMFM-88 and GMFM-66 scoring

Child's Name:	
ID#:	
Assessment Date:	
Date of Birth:	_
Chronological Age:	
Evaluator's Name:	
Testing Condition (e.g., room, clothing,	, time, others present):

The GMFM is a standardized observational instrument designed and validated to measure change in gross motor function over time in children with cerebral palsy. The scoring key is meant to be a general guideline.

However, most of the items have specific descriptors for each score. The guidelines contained in the manual must be used for scoring each item.

SCORING KEY

- 0 = does not initiate
- 1 = initiates
- 2 = partially completes
- 3 = completes

9 (or leave blank) = not tested (NT) [used for the GMAE-2 scoring*]

It is important to differentiate a true score of "0" (child does not initiate) from an item that is Not Tested (NT) if you are interested in using the GMFM-66 Ability Estimator (GMAE) Software.

ltem	A: LYING & ROLLING	Scorin	NT			
1	SUP, HEAD IN MIDLINE: TURNS HEAD WITH EXTREMITIES SYMMETRICAL	□ 0	□ 1	□ 2	□ 3	
*2	SUP: BRINGS HANDS TO MIDLINE, FINGERS ONE WITH THE OTHER.	□ 0	<u> </u>	□ 2	□ 3	
3	SUP: LIFTS HEAD 45°	0	□ 1	□ 2	□ 3	

4	SUP: FLEXES R HIP & KNEE THROUGH FULL RANGE.	0	□ 1	□ 2	□ 3	
5	SUP: FLEXES L HIP & KNEE THROUGH FULL RANGE.	0	□ 1	□ 2	□ 3	
*6	SUP: REACHES OUT WITH R ARM, HAND CROSSES MIDLINE TOWARD TOY.	□ 0	□ 1	□ 2	□ 3	
*7	SUP: REACHES OUT WITH LARM, HAND CROSSES MIDLINE TOWARD TOY.	□ 0	□ 1	□ 2	□ 3	
8	SUP: ROLLS TO PROVER R SIDE	□ 0	□ 1	□ 2	□ 3	
9	SUP: ROLLS TO PR OVER L SIDE.	0	□ 1	□ 2	□ 3	
*10	PR: LIFTS HEAD UPRIGHT.	□ 0	□ 1	□ 2	□ 3	
11	PR ON FOREARMS: LIFTS HEAD UPRIGHT, ELBOWS EXT., CHEST RAISED.	0	□ 1	□ 2	□ 3	
12	PR ON FOREARMS: WEIGHT ON R FOREARM, FULLY EXTENDS OPPOSITE ARM FORWARD.	0	□ 1	□ 2	□ 3	
13	PR ON FOREARMS: WEIGHT ON L FOREARM, FULLY EXTENDS OPPOSITE ARM FORWARD	0	□ 1	□ 2	□ 3	
14	PR: ROLLS TO SUP OVER R SIDE.	0	□ 1	□ 2	□ 3	
15	PR: ROLLS TO SUP OVER L SIDE	0	□ 1	□ 2	□ 3	
16	PR: PIVOTS TO R 90° USING EXTREMITIES	0	□ 1	□ 2	□ 3	
17	PR: PIVOTS TO L 90° USING EXTREMITIES.	0	□ 1	□ 2	□ 3	

ltem	B: SITTING	Scorin	Scoring			
*18	18. SUP, HANDS GRASPED BY EXAMINER: PULLS SELF TO SITTING WITH HEAD CONTROL.	0	<u> </u>	□ 2	□ 3	
19	19. SUP: ROLLS TO R SIDE, ATTAINS SITTING	0	□ 1	□ 2	□ 3	
20	20. SUP: ROLLS TO L SIDE, ATTAINS SITTING.	0	□ 1	□ 2	□ 3	
*21	21. SIT ON MAT, SUPPORTED AT THORAX BY THERAPIST: LIFTS HEAD UPRIGHT, MAINTAINS 3 SECONDS	0	□ 1	□ 2	□ 3	
*22	22. SIT ON MAT, SUPPORTED AT THORAX BY THERAPIST: LIFTS HEAD MIDLINE, MAINTAINS 10 SECONDS	0	□ 1	□ 2	□ 3	
*23	23. SIT ON MAT, ARM(S) PROPPING: MAINTAINS, 5 SECONDS	□ 0	□ 1	□ 2	□ 3	
*24	24. SIT ON MAT: MAINTAIN, ARMS FREE, 3 SECONDS	0	□ 1	□ 2	□ 3	
*25	25. SIT ON MAT WITH SMALL TOY IN FRONT: LEANS FORWARD, TOUCHES TOY, RE- ERECTS WITHOUT ARM PROPPING	0	□ 1	□ 2	□ 3	
*26	26. SIT ON MAT: TOUCHES TOY PLACED 45° BEHIND CHILD'S R SIDE, RETURNS TO START.	0	□ 1	□ 2	□ 3	
*27	27. SIT ON MAT: TOUCHES TOY PLACED 45° BEHIND CHILD'S L SIDE, RETURNS TO START.	0	<u> </u>	□ 2	□ 3	
28	28. R SIDE SIT: MAINTAINS, ARMS FREE, 5 SECONDS.	0	<u> </u>	□ 2	□ 3	
29	29. L SIDE SIT: MAINTAINS, ARMS FREE, 5 SECONDS	0	□ 1	□ 2	□ 3	
*30	30. SIT ON MAT: LOWERS TO PR WITH CONTROL	0	□ 1	□ 2	□ 3	
*31	31. SIT ON MAT WITH FEET IN FRONT: ATTAINS 4 POINT OVER R SIDE.	0	□ 1	□ 2	□ 3	

*32	32. SIT ON MAT WITH FEET IN FRONT: ATTAINS 4 POINT OVER L SIDE.	0	□ 1	2	3	
33	33. SIT ON MAT: PIVOTS 90°, WITHOUT ARMS ASSISTING	0	□ 1	2	□ 3	
*34	34. SIT ON BENCH: MAINTAINS, ARMS AND FEET FREE, 10 SECONDS.	0	□ 1	2	□ 3	
*35	35. STD: ATTAINS SIT ON SMALL BENCH	0	□ 1	2	□ 3	
*36	36. ON THE FLOOR: ATTAINS SIT ON SMALL BENCH	0	<u> </u>	2	□ 3	
*37	37. ON THE FLOOR: ATTAINS SIT ON LARGE BENCH.	0	□ 1	□ 2	□ 3	

Total Dimension B

ltem	C: CRAWLING & KNEELING	Scorin	Scoring				
38	PR: CREEPS FORWARD 1.8m (6')	0	□ 1	□ 2	□ 3		
*39	4 POINT: MAINTAINS, WEIGHT ON HANDS AND KNEES, 10 SECONDS.	□ 0	□ 1	□ 2	□ 3		
*40	4 POINT: ATTAINS SIT ARMS FREE.	0	□ 1	□ 2	□ 3		
*41	PR: ATTAINS 4 POINT, WEIGHT ON HANDS AND KNEES	0	□ 1	□ 2	□ 3		
*42	4 POINT: REACHES FORWARD WITH R ARM, HAND ABOVE SHOULDER LEVEL	0	□ 1	□ 2	□ 3		
*43	4 POINT: REACHES FORWARD WITH LARM, HAND ABOVE SHOULDER LEVEL.	0	□ 1	□ 2	□ 3		
*44	4 POINT: CRAWLS OR HITCHES FORWARD 1.8m(6')	0	□ 1	□ 2	□ 3		

*45	4 POINT: CRAWLS RECIPROCALLY FORWARD 1.8m (6').	0	□ 1	□ 2	□ 3	
*46	4 POINT: CRAWLS UP 4 STEPS ON HANDS AND KNEES/FEET.	0	□ 1	□ 2	□ 3	
47	4 POINT: CRAWLS BACKWARDS DOWN 4 STEPS ON HANDS AND KNEES/FEET	0	□ 1	□ 2	□ 3	
*48	SIT ON MAT: ATTAINS HIGH KN USING ARMS, MAINTAINS, ARMS FREE, 10 SECONDS	0	□ 1	□ 2	□ 3	
49	HIGH KN: ATTAINS HALF KN ON R KNEE USING ARMS, MAINTAINS, ARMS FREE, 10 SECONDS	0	□ 1	□ 2	□ 3	
50	HIGH KN: ATTAINS HALF KN ON L KNEE USING ARMS, MAINTAINS, ARMS FREE, 10 SECONDS	0	□ 1	□ 2	□ 3	
*51	HIGH KN: KN WALKS FORWARD 10 STEPS, ARMS FREE	0	□ 1	□ 2	□ 3	

Total Dimension C

ltem	D: STANDING	Scorin	g			NT
*52	ON THE FLOOR: PULLS TO STD AT LARGE BENCH	□ 0	□ 1	□ 2	□ 3	
*53	STD: MAINTAINS, ARMS FREE, 3 SECONDS	□ 0	□ 1	□ 2	□ 3	
*54	STD: HOLDING ON TO LARGE BENCH WITH ONE HAND, LIFTS R FOOT, 3 SECONDS	□ 0	□ 1	□ 2	□ 3	
*55	STD: HOLDING ON TO LARGE BENCH WITH ONE HAND, LIFTS L FOOT, 3 SECONDS.	0	□ 1	□ 2	□ 3	
*56	STD: MAINTAINS, ARMS FREE, 20 SECONDS	□ 0	□ 1	□ 2	□ 3	
*57	STD: LIFTS L FOOT, ARMS FREE, 10 SECONDS	0	<u> </u>	□ 2	□ 3	

*58	STD: LIFTS R FOOT, ARMS FREE, 10 SECONDS	0	□ 1	□ 2	□ 3	
*59	SIT ON SMALL BENCH: ATTAINS STD WITHOUT USING ARMS.	0	□ 1	□ 2	□ 3	
*60	HIGH KN: ATTAINS STD THROUGH HALF KN ON R KNEE, WITHOUT USING ARMS.	0	□ 1	□ 2	□ 3	
*61	HIGH KN: ATTAINS STD THROUGH HALF KN ON L KNEE, WITHOUT USING ARMS	0	□ 1	□ 2	□ 3	
*62	STD: LOWERS TO SIT ON FLOOR WITH CONTROL, ARMS FREE	0	□ 1	□ 2	□ 3	
*63	STD: ATTAINS SQUAT, ARMS FREE	0	□ 1	□ 2	□ 3	
*64	STD: PICKS UP OBJECT FROM FLOOR, ARMS FREE, RETURNS TO STAND	0	□ 1	□ 2	□ 3	

Total Dimension D

Item	E: WALKING, RUNNING & JUMPING	Scorin	g			NT
*65	STD, 2 HANDS ON LARGE BENCH: CRUISES 5 STEPS TO R	□ 0	□ 1	□ 2	□ 3	
*66	STD, 2 HANDS ON LARGE BENCH: CRUISES 5 STEPS TO L	0	□ 1	□ 2	□ 3	
*67	STD, 2 HANDS HELD: WALKS FORWARD 10 STEPS	0	□ 1	□ 2	□ 3	
*68	STD, 1 HAND HELD: WALKS FORWARD 10 STEPS	0	□ 1	□ 2	□ 3	
*69	STD: WALKS FORWARD 10 STEPS	0	□ 1	□ 2	□ 3	
*70	STD: WALKS FORWARD 10 STEPS, STOPS, TURNS 180°, RETURNS	0	<u> </u>	□ 2	□ 3	

*71	STD: WALKS BACKWARD 10 STEPS	□ 0	□ 1	□ 2	□ 3	
*72	STD: WALKS FORWARD 10 STEPS, CARRYING A LARGE OBJECT WITH 2 HANDS	□ 0	□ 1	□ 2	□ 3	
*73	STD: WALKS FORWARD 10 CONSECUTIVE STEPS BETWEEN PARALLEL LINES 20cm (8") APART	0	□ 1	□ 2	□ 3	
*74	STD: WALKS FORWARD 10 CONSECUTIVE STEPS ON A STRAIGHT LINE 2cm (3/4") WIDE	0	□ 1	□ 2	□ 3	
*75	STD: STEPS OVER STICK AT KNEE LEVEL, R FOOT LEADING	□ 0	□ 1	□ 2	□ 3	
*76	STD: STEPS OVER STICK AT KNEE LEVEL, L FOOT LEADING	0	□ 1	□ 2	□ 3	
*77	STD: RUNS 4.5m (15'), STOPS & RETURNS	□ 0	□ 1	□ 2	□ 3	
*78	STD: KICKS BALL WITH R FOOT	□ 0	□ 1	□ 2	□ 3	
*79	STD: KICKS BALL WITH L FOOT	0	□ 1	□ 2	□ 3	
*80	STD: JUMPS 30cm (12") HIGH, BOTH FEET SIMULTANEOUSLY	0	□ 1	□ 2	□ 3	
*81	STD: JUMPS FORWARD 30 cm (12"), BOTH FEET SIMULTANEOUSLY	□ 0	□ 1	□ 2	□ 3	
*82	STD ON R FOOT: HOPS ON R FOOT 10 TIMES WITHIN A 60cm (24") CIRCLE	0	□ 1	□ 2	□ 3	
*83	STD ON L FOOT: HOPS ON L FOOT 10 TIMES WITHIN A 60cm (24") CIRCLE	□ 0	□ 1	□ 2	□ 3	
*84	STD, HOLDING 1 RAIL: WALKS UP 4 STEPS, HOLDING 1 RAIL, ALTERNATING FEET	□ 0	□ 1	□ 2	□ 3	
*85	STD, HOLDING 1 RAIL: WALKS DOWN 4 STEPS, HOLDING 1 RAIL, ALTERNATING FEET	0	□ 1	□ 2	□ 3	

*86	STD: WALKS UP 4 STEPS, ALTERNATING FEET	□ 0	□ 1	2	□ 3	
*87	STD: WALKS DOWN 4 STEPS, ALTERNATING FEET	□ 0	□ 1	□ 2	□ 3	
*88	STD ON 15cm (6") STEP: JUMPS OFF, BOTH FEET SIMULTANEOUSLY	□ 0	□ 1	□ 2	□ 3	

Total Dimension E

GMFM-88 Summary Score

DIMENSION	CALCULATION OF DIMENSION % SCORES	Goal Area
A. Lying & Rolling	Total Dimension A ÷ 51 = ÷ 51 × 100 = %	□ A.
B. Sitting	Total Dimension B ÷ 60 = ÷ 60 × 100 = %	□ B.
C. Crawling & Kneeling	Total Dimension C ÷ 42 = ÷ 42 × 100 = %	□ C.
D. Standing	Total Dimension D ÷ 39 = ÷ 39 × 100 = %	D.
E. Walking, Running & Jumping	Total Dimension E ÷ 72 = ÷ 72 × 100 = %	□ E.

Total Score = (%A + %B + %C + %D + %E) ÷ (Total # of Dimensions) = _____ ÷ 5 = ____ = ____%

Goal Total Score	= (Sum of	%scores for	each dimension	identified as a	goal area) ÷ (# of Goal
areas) =	_ =	%				

GMFM-66 Gross Motor Ability Estimator Score

from the Gross Motor Ability Estimator (GMAE-2) Software

GMFM-66 Score = _____

_____ to _____ (95% Confidence Intervals)

previous GMFM-66 Score = _____

to _____ to _____ (95% Confidence Intervals)

change in GMFM-66 = _____

TESTING WITH AIDS/ORTHOSES USING THE GMFM-88

Indicate below with a check which aid/orthosis was used and what dimension it was first applied. (There may be more than one).

AID	Dim	ension
Rollator/pusher		
Walker		
H Frame crutches		
Crutches		
Quad Cane		
Cane		
None		
Other (Please Specify)		
Orthosis	Dim	ension
Hip Control		
Knee Control		
Ankle-foot Control		

Foot Control	
Shoes	
None	
Other (Please Specify)	

GMFM-88 Summary Score Using Aids/Orthoses

DIMENSION	CALCULATION OF DIMENSION % SCORES	Goal Area
F. Lying & Rolling	Total Dimension A ÷ 51 = ÷ 51 × 100 = %	□ A.
G. Sitting	Total Dimension B ÷ 60 = ÷ 60 × 100 = %	□ B.
H. Crawling & Kneeling	Total Dimension C ÷ 42 = ÷ 42 × 100 = %	□ C.
I. Standing	Total Dimension D ÷ 39 = ÷ 39 × 100 = %	D.
J. Walking, Running & Jumping	Total Dimension E ÷ 72 = ÷ 72 × 100 = %	🗆 E.

Total Score = (%A + %B + %C + %D + %E) ÷ (Total # of Dimensions) = _____ ÷ 5 = _____ = ____%

Goal Total Score = (Sum of %scores for each dimension identified as a goal area) ÷ (# of Goal areas) = _____ = ____%