

Data Dictionary Codebook

IMACS Codebooks (PID: 483)

09/04/2026 5:21pm

Instruments	
Instrument	Form Name
Timed Up and Go (TUG)	timed_up_and_go_tug

[Collapse all instruments](#)

	#	Variable / Field Name	Field Label <i>Field Note</i>	Field Attributes (Field Type, Validation, Choices, Calculations, etc.)				
Instrument: Timed Up and Go (TUG) (timed_up_and_go_tug)								
	1	[study_id]	Study ID	text				
	2	[tug_imacs_number]	Subject's IMACS number:	text, Required				
	3	[tug_date_assess]	Date of Assessment (mm/dd/yyyy):	text (date_mdy), Required Field Annotation: @PREVENT-FUTUREDATE				
	4	[tug_assess_num]	Assessment number	text, Required				
	5	[tug_time]	Time	text (time), Required				
	6	[tug_assessor]	Assessor	text, Required				
	7	[tug_le]	Dominant limb - LE	radio, Required <table><tr><td>1</td><td>Left</td></tr><tr><td>2</td><td>Right</td></tr></table> Custom alignment: LH	1	Left	2	Right
1	Left							
2	Right							
	8	[tug_ue]	Dominant limb - UE	radio, Required <table><tr><td>1</td><td>Left</td></tr><tr><td>2</td><td>Right</td></tr></table> Custom alignment: LH	1	Left	2	Right
1	Left							
2	Right							

9	[tug_aid_cane_t1]	Section Header: <i>Gait Aid Used</i> Cane	checkbox, Required <table><tr><td>1</td><td>tug_aid_cane_t1__1</td><td>Left</td></tr><tr><td>2</td><td>tug_aid_cane_t1__2</td><td>Right</td></tr><tr><td>3</td><td>tug_aid_cane_t1__3</td><td>None</td></tr></table> Custom alignment: RH Field Annotation: @MAXCHECKED=2@NONEOFTHEABOVE=3	1	tug_aid_cane_t1__1	Left	2	tug_aid_cane_t1__2	Right	3	tug_aid_cane_t1__3	None
1	tug_aid_cane_t1__1	Left										
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3	tug_aid_cane_t1__3	None										
10	[tug_aid_walker_t1]	Walker	checkbox, Required <table><tr><td>1</td><td>tug_aid_walker_t1__1</td><td>Left</td></tr><tr><td>2</td><td>tug_aid_walker_t1__2</td><td>Right</td></tr><tr><td>3</td><td>tug_aid_walker_t1__3</td><td>None</td></tr></table> Custom alignment: RH Field Annotation: @MAXCHECKED=2@NONEOFTHEABOVE=3	1	tug_aid_walker_t1__1	Left	2	tug_aid_walker_t1__2	Right	3	tug_aid_walker_t1__3	None
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3	tug_aid_walker_t1__3	None										
11	[tug_aid_afo_t1]	AFO	checkbox, Required <table><tr><td>1</td><td>tug_aid_afo_t1__1</td><td>Left</td></tr><tr><td>2</td><td>tug_aid_afo_t1__2</td><td>Right</td></tr><tr><td>3</td><td>tug_aid_afo_t1__3</td><td>None</td></tr></table> Custom alignment: RH Field Annotation: @MAXCHECKED=2@NONEOFTHEABOVE=3	1	tug_aid_afo_t1__1	Left	2	tug_aid_afo_t1__2	Right	3	tug_aid_afo_t1__3	None
1	tug_aid_afo_t1__1	Left										
2	tug_aid_afo_t1__2	Right										
3	tug_aid_afo_t1__3	None										
12	[tug_aid_brace_t1]	Brace	checkbox, Required <table><tr><td>1</td><td>tug_aid_brace_t1__1</td><td>Left</td></tr><tr><td>2</td><td>tug_aid_brace_t1__2</td><td>Right</td></tr><tr><td>3</td><td>tug_aid_brace_t1__3</td><td>None</td></tr></table> Custom alignment: RH Field Annotation: @MAXCHECKED=2@NONEOFTHEABOVE=3	1	tug_aid_brace_t1__1	Left	2	tug_aid_brace_t1__2	Right	3	tug_aid_brace_t1__3	None
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3	tug_aid_brace_t1__3	None										

13	[tug_aid_other_t1]	Device	checkbox, Required <table><tr><td>1</td><td>tug_aid_other_t1__1</td><td>Left</td></tr><tr><td>2</td><td>tug_aid_other_t1__2</td><td>Right</td></tr><tr><td>3</td><td>tug_aid_other_t1__3</td><td>None</td></tr></table> Custom alignment: RH Field Annotation: @MAXCHECKED=2@NONEOFTHEABOVE=3	1	tug_aid_other_t1__1	Left	2	tug_aid_other_t1__2	Right	3	tug_aid_other_t1__3	None
1	tug_aid_other_t1__1	Left										
2	tug_aid_other_t1__2	Right										
3	tug_aid_other_t1__3	None										
14	[tug_unable_to_complete_t1]	Unable to perform the test due to severe weakness	checkbox <table><tr><td>1</td><td>tug_unable_to_complete_t1__1</td><td></td></tr></table>	1	tug_unable_to_complete_t1__1							
1	tug_unable_to_complete_t1__1											
15	[tug_limit_rom_t1]	Limitation of ROM?	checkbox <table><tr><td>1</td><td>tug_limit_rom_t1__1</td><td></td></tr></table>	1	tug_limit_rom_t1__1							
1	tug_limit_rom_t1__1											
16	[tug_table]	Timed Up and Go (TUG) TUG - Test 1: Functional Testing Time to complete (s) TUG -Test 2: Functional TestingTime to complete (s) {tug_time_t1} {tug_time_t2} If the patient is unable to complete the test, enter 0.00 seconds. If the patient is unable to complete the test, enter 0.00 seconds. Did the patient use hands or armrests to stand? {tug_hand_armrest_stand_t1} Did the patient use hands or armrests to stand? {tug_hand_armrest_stand_t2} Gait Aid Used? Gait Aid Used? Cane {tug_aid_cane_t1} Walker {tug_aid_walker_t1} AFO {tug_aid_afo_t1} Brace {tug_aid_brace_t1} Device {tug_aid_other_t1} Cane {tug_aid_cane_t2} Walker {tug_aid_walker_t2} AFO {tug_aid_afo_t2} Brace {tug_aid_brace_t2} Device {tug_aid_other_t2} Constraints on Performing the Test (Check all that apply): Constraints on Performing the Test (Check all that apply): Unable to perform the test due to severe weakness {tug_unable_to_complete_t1} Unable to perform the test due to severe weakness {tug_unable_to_complete_t2} Limitation of ROM {tug_limit_rom_t1} Limitation of ROM {tug_limit_rom_t2} Used Alternate test Position {tug_alternate_position_t1} Used Alternate test Position {tug_alternate_position_t2} Subject fatigued with testing {tug_fatigue_t1} Subject fatigued with testing	descriptive									

			{tug_fatigue_t2} Poor effort {tug_poor_effort_t1} Poor effort {tug_poor_effort_t2} Pain {tug_pain_t1} Pain {tug_pain_t2} Other (Specify) {tug_other_test_spfy_t1} {tug_other_test_t1} Other (Specify) {tug_other_test_spfy_t2} {tug_other_test_t2} Seat height: {tug_seat_height} inches Comments: {tug_comments} Final Score: Average of Test 1 and Test 2 {tug_final_score}	
	17	[tug_alter_nate_position_t1]	Used Alternate test position?	checkbox 1 tug_alter_nate_position_t1__1
	18	[tug_patient_instru]	Instructions: Test: This test measures the time it takes for a patient to stand up from a seated position, walk 10 feet, return to the chair, and sit down. This test has been validated in adult myositis patients. Equipment needed: You will need a chair with a straight back and no armrests, a stopwatch, a tape measurer to measure 10 feet from the chair, a piece of tape to mark a spot on the ground, and any walking aid the patient normally uses (e.g., cane, walker, etc.). The chair used for testing should have a straight back and no armrests. The seat height of the chair should allow the patient's feet to rest flat on the ground with thighs at a 90-degree angle. The recommended seat height of the chair is generally 16 to 18 inches for an adult person of average height. Patient is instructed to walk at a comfortable pace, turn at the mark, walk back to the chair and sit down. The patient may use customary walking aids (e.g., cane, walker) only if they normally use them for walking. Record the use of walking aids on the form, and the same assistive devices should be used for each test. The patient should perform the test without using their hands or the chair's armrests to stand up. However, if the patient cannot get up from the chair without assistance, allow them to use their hands or armrests. Record the use of hands or armrests on the form. The patient will complete this test twice, with a 2-minute rest in between. If the patient is unable to complete either test, 0 seconds should be recorded. The assessor may conduct a practice run with the patient. Provide one practice trial before measurements are recorded. If the assessor or patient feels that the test was	descriptive

			not performed to the best of their ability, they may choose to repeat it and discard the previous test results.	
	19	[tug_fatigue_t1]	Fatigue?	checkbox 1 tug_fatigue_t1__1
	20	[tug_time_t1]	Section Header: <i>FUNCTIONAL TEST 1</i> Time to complete (in seconds):	text (number_2dp, Min: 0, Max: 60), Required Field Annotation: @PLACEHOLDER='x.xx'
	21	[tug_hand_armrest_stand_t1]	Did the patient use hands or armrests to stand?	yesno, Required 1 Yes 0 No Custom alignment: LH Field Annotation: Did the patient use hands or armrests to stand?
	22	[tug_poor_effort_t1]	Poor effort?	checkbox 1 tug_poor_effort_t1__1
	23	[tug_pain_t1]	Pain?	checkbox 1 tug_pain_t1__1
	24	[tug_other_test_t1]	Other?	checkbox 1 tug_other_test_t1__1
	25	[tug_other_test_spfy_t1] Show the field ONLY if: [tug_other_test_t1(1)] = '1'	Specify other:	text, Required
	26	[tug_time_t2]	Section Header: <i>FUNCTIONAL TEST 2</i> Time to complete (in seconds):	text (number_2dp, Min: 0, Max: 60), Required Field Annotation: @PLACEHOLDER='x.xx'
	27	[tug_hand_armrest_stand_t2]	Did the patient use hands or armrests to stand?	yesno, Required 1 Yes 0 No Custom alignment: LH Field Annotation: Did the patient use hands or armrests to stand?

28	[tug_aid_cane_t2]	Section Header: <i>Gait Aid Used</i> Cane	checkbox <table><tr><td>1</td><td>tug_aid_cane_t2__1</td><td>Left</td></tr><tr><td>2</td><td>tug_aid_cane_t2__2</td><td>Right</td></tr><tr><td>3</td><td>tug_aid_cane_t2__3</td><td>None</td></tr></table> Custom alignment: RH Field Annotation: @MAXCHECKED=2@NONEOFTHEABOVE=3	1	tug_aid_cane_t2__1	Left	2	tug_aid_cane_t2__2	Right	3	tug_aid_cane_t2__3	None
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3	tug_aid_cane_t2__3	None										
29	[tug_aid_walker_t2]	Walker	checkbox <table><tr><td>1</td><td>tug_aid_walker_t2__1</td><td>Left</td></tr><tr><td>2</td><td>tug_aid_walker_t2__2</td><td>Right</td></tr><tr><td>3</td><td>tug_aid_walker_t2__3</td><td>None</td></tr></table> Custom alignment: RH Field Annotation: @MAXCHECKED=2@NONEOFTHEABOVE=3	1	tug_aid_walker_t2__1	Left	2	tug_aid_walker_t2__2	Right	3	tug_aid_walker_t2__3	None
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30	[tug_aid_afo_t2]	AFO	checkbox <table><tr><td>1</td><td>tug_aid_afo_t2__1</td><td>Left</td></tr><tr><td>2</td><td>tug_aid_afo_t2__2</td><td>Right</td></tr><tr><td>3</td><td>tug_aid_afo_t2__3</td><td>None</td></tr></table> Custom alignment: RH Field Annotation: @MAXCHECKED=2@NONEOFTHEABOVE=3	1	tug_aid_afo_t2__1	Left	2	tug_aid_afo_t2__2	Right	3	tug_aid_afo_t2__3	None
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31	[tug_aid_brace_t2]	Brace	checkbox <table><tr><td>1</td><td>tug_aid_brace_t2__1</td><td>Left</td></tr><tr><td>2</td><td>tug_aid_brace_t2__2</td><td>Right</td></tr><tr><td>3</td><td>tug_aid_brace_t2__3</td><td>None</td></tr></table> Custom alignment: RH Field Annotation: @MAXCHECKED=2@NONEOFTHEABOVE=3	1	tug_aid_brace_t2__1	Left	2	tug_aid_brace_t2__2	Right	3	tug_aid_brace_t2__3	None
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32	[tug_aid_other_t2]	Device	checkbox <table><tr><td>1</td><td>tug_aid_other_t2__1</td><td>Left</td></tr><tr><td>2</td><td>tug_aid_other_t2__2</td><td>Right</td></tr><tr><td>3</td><td>tug_aid_other_t2__3</td><td>None</td></tr></table> Custom alignment: RH Field Annotation: @MAXCHECKED=2@NONEOFTHEABOVE=3	1	tug_aid_other_t2__1	Left	2	tug_aid_other_t2__2	Right	3	tug_aid_other_t2__3	None
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3	tug_aid_other_t2__3	None										
33	[tug_unable_to_complete_t2]	Unable to perform the test due to severe weakness	checkbox <table><tr><td>1</td><td>tug_unable_to_complete_t2__1</td><td></td></tr></table>	1	tug_unable_to_complete_t2__1							
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34	[tug_limit_rom_t2]	Limitation of ROM?	checkbox <table><tr><td>1</td><td>tug_limit_rom_t2__1</td><td></td></tr></table>	1	tug_limit_rom_t2__1							
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35	[tug_alternate_position_t2]	Used Alternate test position?	checkbox <table><tr><td>1</td><td>tug_alternate_position_t2__1</td><td></td></tr></table>	1	tug_alternate_position_t2__1							
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36	[tug_fatigue_t2]	Fatigue?	checkbox <table><tr><td>1</td><td>tug_fatigue_t2__1</td><td></td></tr></table>	1	tug_fatigue_t2__1							
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37	[tug_poor_effort_t2]	Poor effort?	checkbox <table><tr><td>1</td><td>tug_poor_effort_t2__1</td><td></td></tr></table>	1	tug_poor_effort_t2__1							
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38	[tug_pain_t2]	Pain?	checkbox <table><tr><td>1</td><td>tug_pain_t2__1</td><td></td></tr></table>	1	tug_pain_t2__1							
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39	[tug_other_test_t2]	Other?	checkbox <table><tr><td>1</td><td>tug_other_test_t2__1</td><td></td></tr></table>	1	tug_other_test_t2__1							
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40	[tug_other_test_spfy_t2] Show the field ONLY if: [tug_other_test_t2(1)] = '1'	Specify other:	text, Required									
41	[tug_seat_height]	Section Header: Seat height:	text (number, Min: 8, Max: 22), Required									
42	[tug_comments]	Comments:	notes									

	43	[tug_final_score]	TUG Final Score	calc Calculation: round(((sum([tug_time_t1], [tug_time_t2]))/2),2)						
	44	[tug_references]	References: Podsiadlo D, Richardson S. The timed "Up & Go": a test of basic functional mobility for frail elderly persons. J Am Geriatr Soc. 1991 Feb;39(2):142-8. doi: 10.1111/j.1532-5415.1991.tb01616.x. PMID: 1991946. Berntsen KS, Tollisen A, Schwartz T, Kirkhus E, Aaløkken TM, Lund MB, Flatø B, Sjaastad I, Sanner H. Submaximal exercise capacity in juvenile dermatomyositis after longterm disease: The contribution of muscle, lung, and heart Involvement. J Rheumatol. 2017 Jun;44(6):827-834. doi: 10.3899/jrheum.160997. PMID: 28365577. Saygin D, Oddis CV, Dzanko S, Koontz D, Moghadam-Kia S, Ardalan K, Coles TM, Aggarwal R. Utility of patient reported outcomes measurement information system (PROMIS) physical function form in inflammatory myopathy. Semin. Arthritis Rheum. 2021 Jun;51(3):539-546. doi: 10.1016/j.semarthrit.2021.03.018. PMID: 33894634. Saygin D, et I. Performance of sit-to-stand, time-up-and-go and six minute walk tests in the home and office setting. Clin. Exper. Rheum. 2023; 41: 429.	descriptive						
	45	[timed_up_and_go_tug_complete]	Section Header: <i>Form Status</i> Complete?	dropdown <table><tr><td>0</td><td>Incomplete</td></tr><tr><td>1</td><td>Unverified</td></tr><tr><td>2</td><td>Complete</td></tr></table>	0	Incomplete	1	Unverified	2	Complete
0	Incomplete									
1	Unverified									
2	Complete									