PRINTO Trial (n=139)	24	0.0 (0.0 - 4.0)	0.0 [0.0 - 11.2]	7	4.0 (2.0 – 5.0)*	40.0 [32.5 – 40.0]*	22	5.0 (2.0 – 6.0)*	53.7 [47.5 – 60.0]*†	86	6.0 (5.0 – 6.0)* <sup>†‡</sup>	92.5 [87.5 - 97.5]* <sup>†‡</sup>
Juvenile Consensus Profiles (n=241)	59	1.0 (0.0 - 4.0)	7.5 [0.0 – 15.0]	27	4.0 (2.0 – 5.0)*	37.5 [32.5 – 40.0]*	50	5.0 (3.0 - 6.0)**	55.0 [52.5 - 62.5]* <sup>+</sup>	105	6.0 (4.0 - 6.0) <sup>*†‡</sup>	90.0 [77.5 – 95.0]* <sup>†‡</sup>
All PRINTO JDM Data (n=380)	83	1.0 (0.0 – 4.0)	7.5 [0.0 – 15.0)	34	4.0 (2.0 – 5.0)*	37.5 [32.5 – 40.0]*	72	5.0 (2.0 – 6.0)* <sup>†</sup>	55.0 [50.0 - 61.2]*†	191	6.0 (4.0 - 6.0)* <sup>++</sup>	92.5 [82.5 - 97.5]* <sup>†‡</sup>

\* Statistically significant difference (p-value < 0.006) from the No Improvement category

<sup>+</sup> Statistically significant difference (p-value < 0.006) from the Minimal Improvement category

<sup>\*</sup> Statistically significant difference (p-value < 0.006) from the Moderate Improvement category

<sup>§</sup> The Rituximab in Myositis Trial did not use PRINTO CSM.

Abbreviations: IMACS: xxx; PRINTO: xxx; CSM: Core Set Measure, TIS: Total Improvement Score, IQR: interquartile range, JDM: Juvenile Dermatomyositis.

Juvenile Consensus Profiles All IMACS JDM Datasets	-0.5 [(-13.0) – 11.0] 0.0 [(-10.0) – 12.0]	6.0 [(-2.0) – 24.0] 10.0 [0.0 – 24.0]*	24.0 [8.0 – 38.0]* <sup>†</sup> 24.5 [10.0 – 38.0]* <sup>†</sup>	53.0 [34.0 – 69.0]* <sup>†‡</sup> 50.0 [37.0 – 68.0]* <sup>†‡</sup>
Manual Muscle Testing				
Rituximab in Myositis Trial PRINTO Trial Juvenile Consensus Profiles All IMACS JDM Datasets	3.0 [(-1.0) - 10.0] 0.0 [(-5.0) - 0.0] -3.0 [(-9.0) - 1.0] 0.0 [(-8.0) - 3.0]	5.5 [(-2.0) – 15.0] 5.0 [0.0 – 10.0] 5.0 [3.0 – 10.0]* 5.0 [0.5 – 10.0]*	6.0 [5.0 – 14.0] 20.0 [13.0 – 28.0]* <sup>†</sup> 16.0 [8.0 – 25.0]* <sup>†</sup> 16.0 [8.0 – 25.0]* <sup>†</sup>	21.5 [16.0 – 25.0]* 43.0 [26.0 – 58.0]* <sup>††</sup> 40.0 [26.0 – 51.0]* <sup>††</sup> 39.0 [26.0 – 53.0]* <sup>††</sup>
Childhood Health Assessment	t Questionnaire			
Rituximab in Myositis Trial PRINTO Trial Juvenile Consensus Profiles All IMACS JDM Datasets	0.0 [(-4.0) - 4.0] 0.0 [(-16.0) - 0.0] 0.0 [(-4.0) - 8.0] 0.0 [(-4.0) - 4.0]	8.5 [(-4.0) - 21.0] 13.0 [0.0 - 21.0] 8.0 [0.0 - 17.0]* 8.0 [0.0 - 21.0]*	17.0 [8.0 – 21.0]* 29.0 [13.0 – 58.0]* <sup>†</sup> 25.0 [10.0 – 33.0]* <sup>†</sup> 25.0 [8.0 – 38.0]* <sup>†</sup>	21.0 [8.0 - 37.5]* 63.0 [42.0 - 79.0]* <sup>†‡</sup> 54.0 [33.0 - 75.0]* <sup>†‡</sup> 54.0 [33.0 - 75.0]* <sup>†‡</sup>
Extramuscular Global Disease	Activity			
Rituximab in Myositis Trial PRINTO Trial Juvenile Consensus Profiles All IMACS JDM Datasets	-3.5 [(-13.0) – 1.0] 0.0 [(-15.0) – 0.0] -1.5 [(-12.0) – 2.0] (-1.0) [(-13.0) – 0.0]	10.5 [5.0 - 14.5]* 10.0 [0.0 – 20.0] 7.0 [0.0 – 18.0]* 9.5 [0.0 - 18.5]*	19.5 [7.0 – 26.0]* 6.0 [0.0 – 30.0]* 9.0 [0.0 – 16.0]* 10.0 [0.0 – 25.0]*	31.5 [27.5 - 36.5]* <sup>+</sup> 30.0 [10.0 – 50.0]* 28.0 [10.0 – 46.0]* <sup>+‡</sup> 30.0 [10.0 – 48.0]* <sup>+‡</sup>
Muscle enzyme				
Rituximab in Myositis Trial PRINTO Trial Juvenile Consensus Profiles All IMACS JDM Datasets	1.5 [(-3.0) - 6.0] 0.0 [0.0 - 36.0] 6.0 [(-1.0) - 16.0] 4.5 [0.0 - 14.0]	2.5 [0.0 – 7.0] 27.0 [18.0 – 75.0] 8.0 [2.0 – 21.0] 11.0 [2.0 - 23.5]*	1.0 [(-1.0) - 5.0] 18.0 [5.0 - 38.0] 13.0 [4.0 - 37.0]* 12.5 [3.0 - 31.0]*	6.5 [(-1.0) – 13.0] 84.5 [25.0 – 175.0]* <sup>†</sup> 39.0 [17.0 – 85.0]* <sup>†‡</sup> 45.0 [19.0 – 111.0]* <sup>†‡</sup>
	No Improvement	Minimal Improvement	Moderate Improvement	Major Improvement
PRINTO Core Set Measures			ute % Change [IQR]	
Physician Global Disease Activ	vity			
PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets	0.0 [0.0 – 10.0] 2.0 [(-15.0) – 9.0] 0.0 [(-11.0) – 9.0]	15.0 [0.0 – 25.0] 20.0 [14.0 – 28.0]* 19.5 [13.0 – 27.0]*	29.5 [14.0 – 42.0]* 25.5 [16.0 – 37.0]* 26.0 [15.0 - 38.5]*	58.5 [40.0 – 70.0]* <sup>†‡</sup> 47.0 [33.0 – 61.0]* <sup>†‡</sup> 50.0 [38.0 – 68.0]* <sup>†‡</sup>
Parent Global Disease Activity	y			
PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets	0.0 [(-5.0) - 5.0] -2.0 [(-13.0) - 6.0] 0.0 [(-13.0) - 6.0]	2.0 [(-20.0) – 20.0] 5.0 [1.0 – 24.0]* 4.0 [0.0 – 20.0]*	20.5 [14.0 – 30.0]* 18.5 [4.0 – 32.0]* 20.0 [8.5 - 30.5]*	50.0 [35.0 - 65.0]* <sup>++</sup> 50.0 [32.0 - 69.0]* <sup>++</sup> 50.0 [32.0 - 66.0]* <sup>++</sup>
Childhood Myositis Assessme	nt Scale			
PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets	0.0 [(-3.0) - 0.0] -2.0 [(-13.0) - 2.0] 0.0 [(-12.0) - 0.0]	10.0 [8.0 – 19.0]* 8.0 [0.0 – 10.0]* 8.0 [4.0 – 10.0]*	15.0 [4.0 – 21.0]* 13.0 [10.0 – 21.0]* <sup>†</sup> 14.0 [7.0 – 21.0]* <sup>†</sup>	52.0 [33.0 – 67.0]* <sup>†‡</sup> 44.0 [29.0 – 58.0]* <sup>†‡</sup> 46.0 [31.0 – 63.0]* <sup>†‡</sup>
Childhood Health Assessment	t Questionnaire			
PRINTO Trial Juvenile Consensus Profiles	0.0 [(-16.5) – 0.0] 0.0 [(-8.0) – 0.0]	13.0 [0.0 – 27.0] 0.0 [0.0 – 13.0]	19.0 [4.0 – 38.0]* 15.0 [4.0 – 29.0]*†	58.0 [42.0 – 75.0]* <sup>†‡</sup> 54.0 [33.0 – 71.0]* <sup>†‡</sup>

Juvenile Consensus Promes	3.2 [U.7 - <u>5</u> .2]	2.0 [0.9 - 4.4]	4.0 [2.5 - 0.1]	0.0 [5.0 - 8.4]
All IMACS JDM Datasets	4.8 [1.5 - 5.9]	3.5 [1.6 - 5.5]	4.8 [2.7 - 6.6]	6.5 [5.0 - 8.0]* <sup>+‡</sup>
Manual Muscle Testing (0-80)				
Rituximab in Myositis Trial	62.0 [59.0 – 65.0]	63.5 [61.0 – 66.0]	64.0 [57.0 – 75.0]	60.0 [53.5 – 61.0]
PRINTO Trial	47.5 [43.0 – 58.0]	57.0 [49.0 – 61.0]	51.0 [44.0 - 61.0]	37.5 [25.0 – 52.0]* <sup>†‡</sup>
Juvenile Consensus Profiles	62.5 [50.0 – 74.0]	66.0 [54.0 – 73.0]	59.0 [48.0 – 66.0]	39.0 [26.0 – 50.0]* <sup>†‡</sup>
All IMACS JDM Datasets	61.0 [47.0 – 70.0]	63.5 [52.5 – 71.0]	57.0 [47.0 – 66.0] <sup>+</sup>	39.0 [26.0 – 54.0]* <sup>†‡</sup>
Childhood Health Assessment Question	nnaire (0-3)			
Rituximab in Myositis Trial	0.9 [0.3 - 1.2]	1.0 [0.5 - 1.6]	1.1 [0.3 - 1.8]	1.4 [0.6 – 2.0]
PRINTO Trial	1.7 [1.3 - 2.5]	1.6 [0.6 - 2.5]	1.6 [0.7 - 2.2]	2.0 [1.5 - 2.6]
Juvenile Consensus Profiles	0.7 [0.2 - 1.7]	0.9 [0.2 - 1.4]	1.1 [0.7 - 1.7]	2.2 [1.5 - 2.6]* <sup>†‡</sup>
All IMACS JDM Datasets	1.0 [0.4 - 1.7]	1.1 [0.4 - 1.6]	1.3 [0.7 - 1.8]	2.1 [1.5 - 2.6]* <sup>†‡</sup>
Extramuscular Global Disease Activity	(0-10)			
Rituximab in Myositis Trial	2.4 [1.4 - 3.5]	3.7 [2.2 - 5.2]	3.3 [1.8 – 5.0]	3.8 [3.2 - 5.1]
PRINTO Trial	3.0 [0.7 – 4.0]	3.0 [2.0 - 5.0]	1.8 [0.3 – 5.0]	4.0 [1.5 - 6.0]
Juvenile Consensus Profiles	0.6 [0.0 - 1.4]	1.3 [0.0 - 2.3]	1.7 [0.2 - 3.7]	3.5 [1.1 - 5.0]* <sup>+‡</sup>
All IMACS JDM Datasets	1.1 [0.1 – 3.0]	2.0 [0.4 - 3.5]	1.8 [0.4 - 4.2]	3.6 [1.4 - 5.0]* <sup>†‡</sup>
Muscle enzyme				
Rituximab in Myositis Trial	1.1 [0.9 - 2.1]	1.1 [0.9 - 1.3]	1.8 [1.0 - 2.5]	1.3 [1.1 - 2.3]
PRINTO Trial	4.8 [2.4 - 20.8]	6.2 [1.9 - 18.2]	3.2 [1.5 - 12.9]	13.3 [3.3 - 29.3] <sup>‡</sup>
Juvenile Consensus Profiles	1.3 [0.9 - 2.6]	1.4 [1.1 – 2.0]	1.8 [1.2 - 4.5]	4.8 [2.0 - 14.4]* <sup>†‡</sup>
All IMACS JDM Datasets	1.6 [0.9 - 3.9]	1.4 [1.1 - 2.6]	2.0 [1.3 - 5.4]	5.6 [2.3 - 20.3]* <sup>†‡</sup>
		Minimal	Moderate	
PRINTO Core Set Measures (Range)	No Improvement	Improvement	Improvement eline Value [IQR]	Major Improvement
Physician Global Disease Activity (0-10	)			
Physician Global Disease Activity (0-10 PRINTO Trial	<b>)</b> 6.3 [4.0 - 7.5]	4.5 [4.0 – 6.0]	5.0 [4.0 – 7.0]	7.0 [6.0 – 8.0] <sup>‡</sup>
	-	4.5 [4.0 – 6.0] 2.8 [2.0 – 5.0]	5.0 [4.0 – 7.0] 4.1 [2.6 - 5.5]	5.8 [4.6 - 7.3]* <sup>†‡</sup>
PRINTO Trial	6.3 [4.0 - 7.5]		• •	
PRINTO Trial Juvenile Consensus Profiles	6.3 [4.0 - 7.5] 3.0 [1.6 - 5.0]	2.8 [2.0 – 5.0]	4.1 [2.6 - 5.5]	5.8 [4.6 - 7.3]* <sup>†‡</sup>
PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets	6.3 [4.0 - 7.5] 3.0 [1.6 - 5.0] 4.0 [2.0 - 6.0]	2.8 [2.0 – 5.0] 3.1 [2.3 – 5.0]	4.1 [2.6 - 5.5]	5.8 [4.6 - 7.3]* <sup>†‡</sup> 6.2 [5.0 – 8.0]* <sup>†‡</sup>
PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Parent Global Disease Activity (0-10)	6.3 [4.0 - 7.5] 3.0 [1.6 - 5.0]	2.8 [2.0 – 5.0]	4.1 [2.6 - 5.5] 4.8 [3.1 – 6.0]	5.8 [4.6 - 7.3]* <sup>†‡</sup>
PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Parent Global Disease Activity (0-10) PRINTO Trial	6.3 [4.0 - 7.5] 3.0 [1.6 - 5.0] 4.0 [2.0 - 6.0] 5.8 [5.0 - 7.0]	2.8 [2.0 - 5.0] 3.1 [2.3 - 5.0] 5.0 [3.5 - 6.0]	4.1 [2.6 - 5.5] 4.8 [3.1 - 6.0] 4.1 [2.1 - 5.0]	5.8 [4.6 - 7.3]* <sup>†‡</sup> 6.2 [5.0 - 8.0]* <sup>†‡</sup> 6.0 [5.0 - 8.0] <sup>‡</sup>
PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Parent Global Disease Activity (0-10) PRINTO Trial Juvenile Consensus Profiles	6.3 [4.0 - 7.5] 3.0 [1.6 - 5.0] 4.0 [2.0 - 6.0] 5.8 [5.0 - 7.0] 3.0 [0.7 - 5.1] 4.2 [1.5 - 5.5]	2.8 [2.0 - 5.0] 3.1 [2.3 - 5.0] 5.0 [3.5 - 6.0] 1.2 [0.2 - 4.5]	4.1 [2.6 - 5.5] 4.8 [3.1 - 6.0] 4.1 [2.1 - 5.0] 3.7 [1.6 - 5.9]	5.8 [4.6 - 7.3]* <sup>†‡</sup> 6.2 [5.0 - 8.0]* <sup>†‡</sup> 6.0 [5.0 - 8.0] <sup>‡</sup> 6.2 [4.5 - 7.8]* <sup>†‡</sup>
PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Parent Global Disease Activity (0-10) PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets	6.3 [4.0 - 7.5] 3.0 [1.6 - 5.0] 4.0 [2.0 - 6.0] 5.8 [5.0 - 7.0] 3.0 [0.7 - 5.1] 4.2 [1.5 - 5.5] 0-52)	2.8 [2.0 - 5.0] 3.1 [2.3 - 5.0] 5.0 [3.5 - 6.0] 1.2 [0.2 - 4.5] 2.4 [0.2 - 5.0]	4.1 [2.6 - 5.5] 4.8 [3.1 - 6.0] 4.1 [2.1 - 5.0] 3.7 [1.6 - 5.9] 3.8 [2.0 - 5.5]	5.8 [4.6 - 7.3]* <sup>†‡</sup> 6.2 [5.0 - 8.0]* <sup>†‡</sup> 6.0 [5.0 - 8.0] <sup>‡</sup> 6.2 [4.5 - 7.8]* <sup>†‡</sup> 6.0 [4.8 - 8.0]* <sup>†‡</sup>
PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Parent Global Disease Activity (0-10) PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Childhood Myositis Assessment Scale (	6.3 [4.0 - 7.5] 3.0 [1.6 - 5.0] 4.0 [2.0 - 6.0] 5.8 [5.0 - 7.0] 3.0 [0.7 - 5.1] 4.2 [1.5 - 5.5]	2.8 [2.0 - 5.0] 3.1 [2.3 - 5.0] 5.0 [3.5 - 6.0] 1.2 [0.2 - 4.5]	4.1 [2.6 - 5.5] 4.8 [3.1 - 6.0] 4.1 [2.1 - 5.0] 3.7 [1.6 - 5.9] 3.8 [2.0 - 5.5] 36.0 [25.0 - 43.0]*	$5.8 [4.6 - 7.3]^{*^{++}}$ $6.2 [5.0 - 8.0]^{*^{++}}$ $6.0 [5.0 - 8.0]^{+}$ $6.2 [4.5 - 7.8]^{*^{++}}$ $6.0 [4.8 - 8.0]^{*^{++}}$ $16.0 [10.0 - 29.0]^{++}$
PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Parent Global Disease Activity (0-10) PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Childhood Myositis Assessment Scale ( PRINTO Trial	6.3 [4.0 - 7.5] 3.0 [1.6 - 5.0] 4.0 [2.0 - 6.0] 5.8 [5.0 - 7.0] 3.0 [0.7 - 5.1] 4.2 [1.5 - 5.5] 0-52) 20.5 [10.5 - 29.5]	2.8 [2.0 - 5.0] 3.1 [2.3 - 5.0] 5.0 [3.5 - 6.0] 1.2 [0.2 - 4.5] 2.4 [0.2 - 5.0] 37.0 [19.0 - 39.0]	4.1 [2.6 - 5.5] 4.8 [3.1 - 6.0] 4.1 [2.1 - 5.0] 3.7 [1.6 - 5.9] 3.8 [2.0 - 5.5]	5.8 [4.6 - 7.3]* <sup>†‡</sup> 6.2 [5.0 - 8.0]* <sup>†‡</sup> 6.0 [5.0 - 8.0] <sup>‡</sup> 6.2 [4.5 - 7.8]* <sup>†‡</sup> 6.0 [4.8 - 8.0]* <sup>†‡</sup>
PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Parent Global Disease Activity (0-10) PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Childhood Myositis Assessment Scale ( PRINTO Trial Juvenile Consensus Profiles	6.3 [4.0 - 7.5] 3.0 [1.6 - 5.0] 4.0 [2.0 - 6.0] 5.8 [5.0 - 7.0] 3.0 [0.7 - 5.1] 4.2 [1.5 - 5.5] 0-52) 20.5 [10.5 - 29.5] 41.0 [28.0 - 48.0] 38.0 [20.0 - 47.0]	2.8 [2.0 - 5.0] 3.1 [2.3 - 5.0] 5.0 [3.5 - 6.0] 1.2 [0.2 - 4.5] 2.4 [0.2 - 5.0] 37.0 [19.0 - 39.0] 44.0 [36.0 - 48.0]	$4.1 [2.6 - 5.5]$ $4.8 [3.1 - 6.0]$ $4.1 [2.1 - 5.0]$ $3.7 [1.6 - 5.9]$ $3.8 [2.0 - 5.5]$ $36.0 [25.0 - 43.0]^{*}$ $35.5 [27.0 - 42.0]^{+}$	$5.8 [4.6 - 7.3]^{*^{++}}$ $6.2 [5.0 - 8.0]^{*^{++}}$ $6.0 [5.0 - 8.0]^{*}$ $6.2 [4.5 - 7.8]^{*^{++}}$ $6.0 [4.8 - 8.0]^{*^{++}}$ $16.0 [10.0 - 29.0]^{+^{+}}$ $21.0 [10.0 - 32.0]^{*^{++}}$
PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Parent Global Disease Activity (0-10) PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Childhood Myositis Assessment Scale ( PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Childhood Health Assessment Question	6.3 [4.0 - 7.5] 3.0 [1.6 - 5.0] 4.0 [2.0 - 6.0] 5.8 [5.0 - 7.0] 3.0 [0.7 - 5.1] 4.2 [1.5 - 5.5] 0-52) 20.5 [10.5 - 29.5] 41.0 [28.0 - 48.0] 38.0 [20.0 - 47.0] maire (0-3)	2.8 [2.0 - 5.0] $3.1 [2.3 - 5.0]$ $5.0 [3.5 - 6.0]$ $1.2 [0.2 - 4.5]$ $2.4 [0.2 - 5.0]$ $37.0 [19.0 - 39.0]$ $44.0 [36.0 - 48.0]$ $41.0 [35.0 - 47.0]$	$4.1 [2.6 - 5.5]$ $4.8 [3.1 - 6.0]$ $4.1 [2.1 - 5.0]$ $3.7 [1.6 - 5.9]$ $3.8 [2.0 - 5.5]$ $36.0 [25.0 - 43.0]^{*}$ $35.5 [27.0 - 42.0]^{+}$ $36.0 [27.0 - 42.0]^{+}$	$5.8 [4.6 - 7.3]^{*^{\dagger \pm}}$ $6.2 [5.0 - 8.0]^{*}$ $6.2 [4.5 - 7.8]^{*^{\dagger \pm}}$ $6.0 [4.8 - 8.0]^{*^{\dagger \pm}}$ $16.0 [10.0 - 29.0]^{*^{\pm}}$ $21.0 [10.0 - 32.0]^{*^{\pm}}$ $19.0 [10.0 - 30.0]^{*^{\pm}}$
PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Parent Global Disease Activity (0-10) PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Childhood Myositis Assessment Scale ( PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Childhood Health Assessment Question PRINTO Trial	6.3 [4.0 - 7.5] 3.0 [1.6 - 5.0] 4.0 [2.0 - 6.0] 5.8 [5.0 - 7.0] 3.0 [0.7 - 5.1] 4.2 [1.5 - 5.5] 0-52) 20.5 [10.5 - 29.5] 41.0 [28.0 - 48.0] 38.0 [20.0 - 47.0] maire (0-3) 1.8 [1.3 - 2.5]	2.8 [2.0 - 5.0] $3.1 [2.3 - 5.0]$ $5.0 [3.5 - 6.0]$ $1.2 [0.2 - 4.5]$ $2.4 [0.2 - 5.0]$ $37.0 [19.0 - 39.0]$ $44.0 [36.0 - 48.0]$ $41.0 [35.0 - 47.0]$ $1.1 [0.1 - 1.6]$	$4.1 [2.6 - 5.5]$ $4.8 [3.1 - 6.0]$ $4.1 [2.1 - 5.0]$ $3.7 [1.6 - 5.9]$ $3.8 [2.0 - 5.5]$ $36.0 [25.0 - 43.0]^{*}$ $35.5 [27.0 - 42.0]^{+}$ $36.0 [27.0 - 42.0]^{+}$ $1.0 [0.5 - 2.2]$	$5.8 [4.6 - 7.3]^{*^{++}}$ $6.2 [5.0 - 8.0]^{*}$ $6.2 [4.5 - 7.8]^{*^{++}}$ $6.0 [4.8 - 8.0]^{*^{++}}$ $16.0 [10.0 - 29.0]^{+^{++}}$ $21.0 [10.0 - 32.0]^{*^{++}}$ $19.0 [10.0 - 30.0]^{*^{++}}$
PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Parent Global Disease Activity (0-10) PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Childhood Myositis Assessment Scale ( PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Childhood Health Assessment Question	6.3 [4.0 - 7.5] 3.0 [1.6 - 5.0] 4.0 [2.0 - 6.0] 5.8 [5.0 - 7.0] 3.0 [0.7 - 5.1] 4.2 [1.5 - 5.5] 0-52) 20.5 [10.5 - 29.5] 41.0 [28.0 - 48.0] 38.0 [20.0 - 47.0] maire (0-3)	2.8 [2.0 - 5.0] $3.1 [2.3 - 5.0]$ $5.0 [3.5 - 6.0]$ $1.2 [0.2 - 4.5]$ $2.4 [0.2 - 5.0]$ $37.0 [19.0 - 39.0]$ $44.0 [36.0 - 48.0]$ $41.0 [35.0 - 47.0]$	$4.1 [2.6 - 5.5]$ $4.8 [3.1 - 6.0]$ $4.1 [2.1 - 5.0]$ $3.7 [1.6 - 5.9]$ $3.8 [2.0 - 5.5]$ $36.0 [25.0 - 43.0]^{*}$ $35.5 [27.0 - 42.0]^{+}$ $36.0 [27.0 - 42.0]^{+}$	$5.8 [4.6 - 7.3]^{*^{++}}$ $6.2 [5.0 - 8.0]^{*}$ $6.2 [4.5 - 7.8]^{*^{++}}$ $6.0 [4.8 - 8.0]^{*^{++}}$ $16.0 [10.0 - 29.0]^{+^{++}}$ $21.0 [10.0 - 32.0]^{*^{++}}$ $19.0 [10.0 - 30.0]^{*^{++}}$
PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Parent Global Disease Activity (0-10) PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Childhood Myositis Assessment Scale ( PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Childhood Health Assessment Question PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets	6.3 [4.0 - 7.5] 3.0 [1.6 - 5.0] 4.0 [2.0 - 6.0] 5.8 [5.0 - 7.0] 3.0 [0.7 - 5.1] 4.2 [1.5 - 5.5] 0-52) 20.5 [10.5 - 29.5] 41.0 [28.0 - 48.0] 38.0 [20.0 - 47.0] nnaire (0-3) 1.8 [1.3 - 2.5] 0.7 [0.1 - 1.5]	2.8 [2.0 - 5.0] $3.1 [2.3 - 5.0]$ $5.0 [3.5 - 6.0]$ $1.2 [0.2 - 4.5]$ $2.4 [0.2 - 5.0]$ $37.0 [19.0 - 39.0]$ $44.0 [36.0 - 48.0]$ $41.0 [35.0 - 47.0]$ $1.1 [0.1 - 1.6]$ $0.5 [0.0 - 1.1]$	$4.1 [2.6 - 5.5]$ $4.8 [3.1 - 6.0]$ $4.1 [2.1 - 5.0]$ $3.7 [1.6 - 5.9]$ $3.8 [2.0 - 5.5]$ $36.0 [25.0 - 43.0]^{*}$ $35.5 [27.0 - 42.0]^{*}$ $36.0 [27.0 - 42.0]^{*}$ $1.0 [0.5 - 2.2]$ $1.2 [0.6 - 1.6]^{*^{+}}$	$5.8 [4.6 - 7.3]^{*^{\dagger \pm}}$ $6.2 [5.0 - 8.0]^{*}$ $6.2 [4.5 - 7.8]^{*^{\dagger \pm}}$ $6.0 [4.8 - 8.0]^{*^{\dagger \pm}}$ $16.0 [10.0 - 29.0]^{*^{\pm}}$ $19.0 [10.0 - 32.0]^{*^{\pm}}$ $19.0 [10.0 - 30.0]^{*^{\pm}}$ $1.9 [1.5 - 2.6]^{*^{\pm}}$
PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Parent Global Disease Activity (0-10) PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Childhood Myositis Assessment Scale ( PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Childhood Health Assessment Question PRINTO Trial Juvenile Consensus Profiles	6.3 [4.0 - 7.5] 3.0 [1.6 - 5.0] 4.0 [2.0 - 6.0] 5.8 [5.0 - 7.0] 3.0 [0.7 - 5.1] 4.2 [1.5 - 5.5] 0-52) 20.5 [10.5 - 29.5] 41.0 [28.0 - 48.0] 38.0 [20.0 - 47.0] nnaire (0-3) 1.8 [1.3 - 2.5] 0.7 [0.1 - 1.5]	2.8 [2.0 - 5.0] $3.1 [2.3 - 5.0]$ $5.0 [3.5 - 6.0]$ $1.2 [0.2 - 4.5]$ $2.4 [0.2 - 5.0]$ $37.0 [19.0 - 39.0]$ $44.0 [36.0 - 48.0]$ $41.0 [35.0 - 47.0]$ $1.1 [0.1 - 1.6]$ $0.5 [0.0 - 1.1]$	$4.1 [2.6 - 5.5]$ $4.8 [3.1 - 6.0]$ $4.1 [2.1 - 5.0]$ $3.7 [1.6 - 5.9]$ $3.8 [2.0 - 5.5]$ $36.0 [25.0 - 43.0]^{*}$ $35.5 [27.0 - 42.0]^{*}$ $36.0 [27.0 - 42.0]^{*}$ $1.0 [0.5 - 2.2]$ $1.2 [0.6 - 1.6]^{*^{+}}$	$5.8 [4.6 - 7.3]^{*^{++}}$ $6.2 [5.0 - 8.0]^{*}$ $6.2 [4.5 - 7.8]^{*^{++}}$ $6.0 [4.8 - 8.0]^{*^{++}}$ $16.0 [10.0 - 29.0]^{+^{+}}$ $21.0 [10.0 - 32.0]^{*^{++}}$ $19.0 [10.0 - 30.0]^{*^{++}}$ $1.9 [1.5 - 2.6]^{+^{+}}$

Juvenile Consensus Profiles	0.0 [0.0 - 14.3]	5.9 [0.0 - 15.4]	11.1 [4.6 - 14.8]	10.5 [9.4 - 12.1]*
All IMACS JDM Datasets	10.0 [0.0 - 14.3]	7.1 [0.0 - 15.4]	11.1 [4.4 - 14.8]	10.5 [9.4 - 12.5]*
Manual Muscle Testing (Expe	cted contribution 32.5	5%)		
Rituximab in Myositis Trial	44.4 [0.0 - 88.9]	24.3 [0.0 – 49.0]	20.5 [19.1 - 34.8]	31.0 [27.1 - 35.5]
PRINTO Trial	32.5 [0.0 - 32.5]	26.7 [0.0 - 30.8]	40.7 [29.6 - 45.8]	35.1 [32.5 - 39.4]*
Juvenile Consensus Profiles	0.0 [0.0 - 32.5]*	26.7 [23.5 - 33.3]*	38.1 [20.0 - 48.2]	35.1 [32.5 - 39.4]*
All IMACS JDM Datasets	0.0 [0.0 - 36.4]*	25.8 [0.0 - 32.1]*	37.2 [20.0 - 47.8]	35.1 [32.5 - 39.4]*
Childhood Health Assessmen	t Questionnaire (Expe	cted contribution 10%	6)	
Rituximab in Myositis Trial	0.0 [0.0 – 10.0]	7.1 [0.0 - 19.4]	12.3 [8.7 - 14.8]	10.0 [6.9 - 11.6]
, PRINTO Trial	0.0 [0.0 – 10.0]*	12.5 [0.0 - 17.7]	14.8 [8.3 - 15.8]	10.8 [10.0 - 12.1]*
Juvenile Consensus Profiles	0.0 [0.0 - 18.2]	11.8 [0.0 - 23.1]	11.5 [9.5 - 13.6]*	10.5 [10.0 - 11.8]*
All IMACS JDM Datasets	0.0 [0.0 – 10.0]*	11.8 [0.0 - 19.4]	12.0 [9.1 - 14.8]*	10.7 [10.0 - 11.8]*
Extramuscular Global Disease	e Activity (Expected co	ntribution 20%)		
Rituximab in Myositis Trial	0.0 [0.0 – 0.0]*	19.4 [8.8 - 27.2]	23.3 [15.0 - 26.3]	20.0 [19.4 - 21.1]
, PRINTO Trial	20.0 [0.0 – 20.0]	20.0 [0.0 - 35.3]	11.1 [0.0 – 25.0]	15.8 [9.1 – 20.0]*
Juvenile Consensus Profiles	0.0 [0.0 – 20.0]*	18.8 [0.0 - 29.4]	11.1 [0.0 - 23.1]*	16.2 [9.4 - 20.7]*
All IMACS JDM Datasets	0.0 [0.0 – 20.0]*	18.8 [0.0 - 29.4]	11.8 [0.0 – 25.0]*	16.7 [9.4 - 20.5]*
Muscle Enzyme (Expected co	ntribution 7.5%)			
Rituximab in Myositis Trial	0.0 [0.0 - 11.1]	0.0 [0.0 - 6.3]	0.0 [0.0 – 0.0]*	3.3 [0.0 - 5.2]
PRINTO Trial	7.5 [7.5 - 33.3]	17.7 [11.8 - 23.1]	7.7 [0.0 - 11.5]	8.1 [7.1 - 9.4]*
Juvenile Consensus Profiles	9.1 [0.0 - 42.9]	5.9 [0.0 - 11.8]	5.6 [0.0 - 11.1]	7.9 [5.6 - 9.1]
All IMACS JDM Datasets	7.5 [0.0 - 33.3]	6.3 [0.0 - 15.4]	4.7 [0.0 - 11.1]	7.9 [6.3 - 9.1]*
PRINTO Core Set Measures				
		Minimal	Moderate	Major
by Study (% Expected	No Improvement			-
by Study (% Expected contribution)	No Improvement	Improvement	Improvement	Improvement
		Improvement		-
contribution)		Improvement		-
contribution) Physician Global Disease Acti	vity (Expected contrib	Improvement ution 20%)	Improvement	Improvement
contribution) Physician Global Disease Acti PRINTO Trial	vity (Expected contrib 20.0 [20.0 - 27.3]	Improvement ution 20%) 23.1 [0.0 - 37.5]	Improvement 30.4 [16.7 - 36.8]	Improvement 20.5 [20.0 - 21.6]*
contribution) Physician Global Disease Acti PRINTO Trial Juvenile Consensus Profiles	vity (Expected contrib 20.0 [20.0 - 27.3] 20.0 [0.0 – 50.0] 20.0 [0.0 - 37.5]	Improvement ution 20%) 23.1 [0.0 - 37.5] 40.0 [20.0 - 46.2] 37.5 [18.8 - 43.8]	Improvement 30.4 [16.7 - 36.8] 28.0 [22.2 - 33.3]*	Improvement 20.5 [20.0 - 21.6]* 21.1 [20.0 - 22.6]*
contribution) Physician Global Disease Acti PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Parent Global Disease Activit	vity (Expected contrib 20.0 [20.0 - 27.3] 20.0 [0.0 – 50.0] 20.0 [0.0 - 37.5] y (Expected contributi	Improvement ution 20%) 23.1 [0.0 - 37.5] 40.0 [20.0 - 46.2] 37.5 [18.8 - 43.8] on 10%)	Improvement 30.4 [16.7 - 36.8] 28.0 [22.2 - 33.3]* 29.8 [19.4 - 34.1]*	Improvement 20.5 [20.0 - 21.6]* 21.1 [20.0 - 22.6]* 20.7 [20.0 - 22.2]*
contribution) Physician Global Disease Acti PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Parent Global Disease Activit PRINTO Trial	vity (Expected contrib 20.0 [20.0 - 27.3] 20.0 [0.0 - 50.0] 20.0 [0.0 - 37.5] y (Expected contributi 10.0 [10.0 - 11.3]	Improvement ution 20%) 23.1 [0.0 - 37.5] 40.0 [20.0 - 46.2] 37.5 [18.8 - 43.8] on 10%) 0.0 [0.0 - 12.5]	Improvement 30.4 [16.7 - 36.8] 28.0 [22.2 - 33.3]* 29.8 [19.4 - 34.1]* 9.3 [5.3 - 12.5]	Improvement 20.5 [20.0 - 21.6]* 21.1 [20.0 - 22.6]* 20.7 [20.0 - 22.2]* 10.0 [8.1 - 10.5]
contribution) Physician Global Disease Acti PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Parent Global Disease Activit PRINTO Trial Juvenile Consensus Profiles	vity (Expected contrib 20.0 [20.0 - 27.3] 20.0 [0.0 – 50.0] 20.0 [0.0 - 37.5] y (Expected contributi 10.0 [10.0 - 11.3] 10.0 [0.0 – 10.0]	Improvement ution 20%) 23.1 [0.0 - 37.5] 40.0 [20.0 - 46.2] 37.5 [18.8 - 43.8] on 10%) 0.0 [0.0 - 12.5] 0.0 [0.0 - 16.7]	Improvement 30.4 [16.7 - 36.8] 28.0 [22.2 - 33.3]* 29.8 [19.4 - 34.1]* 9.3 [5.3 - 12.5] 8.5 [0.0 - 13.6]	Improvement 20.5 [20.0 - 21.6]* 21.1 [20.0 - 22.6]* 20.7 [20.0 - 22.2]* 10.0 [8.1 - 10.5] 10.0 [8.8 - 10.8]
contribution) Physician Global Disease Acti PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Parent Global Disease Activit PRINTO Trial	vity (Expected contrib 20.0 [20.0 - 27.3] 20.0 [0.0 - 50.0] 20.0 [0.0 - 37.5] y (Expected contributi 10.0 [10.0 - 11.3] 10.0 [0.0 - 10.0] 10.0 [0.0 - 10.0]	Improvement ution 20%) 23.1 [0.0 - 37.5] 40.0 [20.0 - 46.2] 37.5 [18.8 - 43.8] on 10%) 0.0 [0.0 - 12.5] 0.0 [0.0 - 16.7] 0.0 [0.0 - 13.3]	Improvement 30.4 [16.7 - 36.8] 28.0 [22.2 - 33.3]* 29.8 [19.4 - 34.1]* 9.3 [5.3 - 12.5]	Improvement 20.5 [20.0 - 21.6]* 21.1 [20.0 - 22.6]* 20.7 [20.0 - 22.2]* 10.0 [8.1 - 10.5]
contribution) Physician Global Disease Acti PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Parent Global Disease Activit PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets	vity (Expected contrib 20.0 [20.0 - 27.3] 20.0 [0.0 - 50.0] 20.0 [0.0 - 37.5] y (Expected contributi 10.0 [10.0 - 11.3] 10.0 [0.0 - 10.0] 10.0 [0.0 - 10.0]	Improvement ution 20%) 23.1 [0.0 - 37.5] 40.0 [20.0 - 46.2] 37.5 [18.8 - 43.8] on 10%) 0.0 [0.0 - 12.5] 0.0 [0.0 - 16.7] 0.0 [0.0 - 13.3]	Improvement 30.4 [16.7 - 36.8] 28.0 [22.2 - 33.3]* 29.8 [19.4 - 34.1]* 9.3 [5.3 - 12.5] 8.5 [0.0 - 13.6]	Improvement 20.5 [20.0 - 21.6]* 21.1 [20.0 - 22.6]* 20.7 [20.0 - 22.2]* 10.0 [8.1 - 10.5] 10.0 [8.8 - 10.8]
contribution) Physician Global Disease Action PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Parent Global Disease Activit PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Childhood Myositis Assessment	vity (Expected contrib 20.0 [20.0 - 27.3] 20.0 [0.0 - 50.0] 20.0 [0.0 - 37.5] y (Expected contributi 10.0 [10.0 - 11.3] 10.0 [0.0 - 10.0] 10.0 [0.0 - 10.0] ent Scale (Expected contributi	Improvement ution 20%) 23.1 [0.0 - 37.5] 40.0 [20.0 - 46.2] 37.5 [18.8 - 43.8] on 10%) 0.0 [0.0 - 12.5] 0.0 [0.0 - 16.7] 0.0 [0.0 - 13.3] ntribution 32.5%)	Improvement 30.4 [16.7 - 36.8] 28.0 [22.2 - 33.3]* 29.8 [19.4 - 34.1]* 9.3 [5.3 - 12.5] 8.5 [0.0 - 13.6] 8.9 [4.1 - 13.0]	Improvement 20.5 [20.0 - 21.6]* 21.1 [20.0 - 22.6]* 20.7 [20.0 - 22.2]* 10.0 [8.1 - 10.5] 10.0 [8.8 - 10.8] 10.0 [8.3 - 10.7]
contribution) Physician Global Disease Action PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Parent Global Disease Activit PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Childhood Myositis Assessment PRINTO Trial	vity (Expected contrib 20.0 [20.0 - 27.3] 20.0 [0.0 - 50.0] 20.0 [0.0 - 37.5] y (Expected contributi 10.0 [10.0 - 11.3] 10.0 [0.0 - 10.0] 10.0 [0.0 - 10.0] ent Scale (Expected con 32.5 [0.0 - 32.5]	Improvement ution 20%) 23.1 [0.0 - 37.5] 40.0 [20.0 - 46.2] 37.5 [18.8 - 43.8] on 10%) 0.0 [0.0 - 12.5] 0.0 [0.0 - 16.7] 0.0 [0.0 - 13.3] ntribution 32.5%) 30.8 [25.0 - 64.7]	Improvement 30.4 [16.7 - 36.8] 28.0 [22.2 - 33.3]* 29.8 [19.4 - 34.1]* 9.3 [5.3 - 12.5] 8.5 [0.0 - 13.6] 8.9 [4.1 - 13.0] 33.3 [15.4 - 42.3]	Improvement 20.5 [20.0 - 21.6]* 21.1 [20.0 - 22.6]* 20.7 [20.0 - 22.2]* 10.0 [8.1 - 10.5] 10.0 [8.8 - 10.8] 10.0 [8.3 - 10.7] 33.3 [32.5 - 35.1]*
contribution) Physician Global Disease Acti PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Parent Global Disease Activit PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Childhood Myositis Assessme PRINTO Trial Juvenile Consensus Profiles	vity (Expected contrib 20.0 [20.0 - 27.3] 20.0 [0.0 - 50.0] 20.0 [0.0 - 37.5] y (Expected contributi 10.0 [10.0 - 11.3] 10.0 [0.0 - 10.0] 10.0 [0.0 - 10.0] ent Scale (Expected con 32.5 [0.0 - 32.5] 32.5 [0.0 - 32.5] 32.5 [0.0 - 32.5]*	Improvement ution 20%) 23.1 [0.0 - 37.5] 40.0 [20.0 - 46.2] 37.5 [18.8 - 43.8] on 10%) 0.0 [0.0 - 12.5] 0.0 [0.0 - 12.5] 0.0 [0.0 - 13.3] ntribution 32.5%) 30.8 [25.0 - 64.7] 25.0 [0.0 - 33.3] 25.8 [23.5 - 33.3]	Improvement 30.4 [16.7 - 36.8] 28.0 [22.2 - 33.3]* 29.8 [19.4 - 34.1]* 9.3 [5.3 - 12.5] 8.5 [0.0 - 13.6] 8.9 [4.1 - 13.0] 33.3 [15.4 - 42.3] 33.3 [20.0 - 42.3] 33.3 [19.1 - 42.3]	Improvement 20.5 [20.0 - 21.6]* 21.1 [20.0 - 22.6]* 20.7 [20.0 - 22.2]* 10.0 [8.1 - 10.5] 10.0 [8.8 - 10.8] 10.0 [8.3 - 10.7] 33.3 [32.5 - 35.1]* 34.2 [32.5 - 37.1]*
contribution)  Physician Global Disease Acti PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets  Parent Global Disease Activit PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets  Childhood Myositis Assessme PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets	vity (Expected contrib 20.0 [20.0 - 27.3] 20.0 [0.0 - 50.0] 20.0 [0.0 - 37.5] y (Expected contributi 10.0 [10.0 - 11.3] 10.0 [0.0 - 10.0] 10.0 [0.0 - 10.0] ent Scale (Expected con 32.5 [0.0 - 32.5] 32.5 [0.0 - 32.5] 32.5 [0.0 - 32.5]*	Improvement ution 20%) 23.1 [0.0 - 37.5] 40.0 [20.0 - 46.2] 37.5 [18.8 - 43.8] on 10%) 0.0 [0.0 - 12.5] 0.0 [0.0 - 12.5] 0.0 [0.0 - 13.3] ntribution 32.5%) 30.8 [25.0 - 64.7] 25.0 [0.0 - 33.3] 25.8 [23.5 - 33.3]	Improvement 30.4 [16.7 - 36.8] 28.0 [22.2 - 33.3]* 29.8 [19.4 - 34.1]* 9.3 [5.3 - 12.5] 8.5 [0.0 - 13.6] 8.9 [4.1 - 13.0] 33.3 [15.4 - 42.3] 33.3 [20.0 - 42.3] 33.3 [19.1 - 42.3]	Improvement 20.5 [20.0 - 21.6]* 21.1 [20.0 - 22.6]* 20.7 [20.0 - 22.2]* 10.0 [8.1 - 10.5] 10.0 [8.8 - 10.8] 10.0 [8.3 - 10.7] 33.3 [32.5 - 35.1]* 34.2 [32.5 - 37.1]*
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contribution) Physician Global Disease Acti PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Parent Global Disease Activit PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Childhood Myositis Assessmer PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Childhood Health Assessmer PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets Disease Activity Score (Expect	vity (Expected contrib 20.0 [20.0 - 27.3] 20.0 [0.0 - 50.0] 20.0 [0.0 - 37.5] y (Expected contributi 10.0 [10.0 - 11.3] 10.0 [0.0 - 10.0] 10.0 [0.0 - 10.0] ent Scale (Expected contributing) 32.5 [0.0 - 32.5] 32.5 [0.0 - 32.5] 32.5 [0.0 - 32.5] t Questionnaire (Expected contributing) 10.0 [0.0 - 10.0] 0.0 [0.0 - 10.0]* 0.0 [0.0 - 10.0]*	Improvement ution 20%) 23.1 [0.0 - 37.5] 40.0 [20.0 - 46.2] 37.5 [18.8 - 43.8] on 10%) 0.0 [0.0 - 12.5] 0.0 [0.0 - 16.7] 0.0 [0.0 - 13.3] ntribution 32.5%) 30.8 [25.0 - 64.7] 25.0 [0.0 - 33.3] 25.8 [23.5 - 33.3] cted contribution 10% 12.5 [0.0 - 23.1] 0.0 [0.0 - 17.7] 0.0 [0.0 - 31.3]	Improvement 30.4 [16.7 - 36.8] 28.0 [22.2 - 33.3]* 29.8 [19.4 - 34.1]* 9.3 [5.3 - 12.5] 8.5 [0.0 - 13.6] 8.9 [4.1 - 13.0] 33.3 [15.4 - 42.3] 33.3 [20.0 - 42.3] 33.3 [19.1 - 42.3] 6) 13.3 [0.0 - 16.7] 11.1 [0.0 - 13.6] 11.3 [0.0 - 14.3] 22.0 [0.0 - 30.8]	Improvement 20.5 [20.0 - 21.6]* 21.1 [20.0 - 22.6]* 20.7 [20.0 - 22.2]* 10.0 [8.1 - 10.5] 10.0 [8.8 - 10.8] 10.0 [8.3 - 10.7] 33.3 [32.5 - 35.1]* 34.2 [32.5 - 37.1]* 34.2 [32.5 - 36.1]* 10.3 [10.0 - 10.8]* 10.3 [10.0 - 10.8]* 20.5 [20.0 - 21.6]*
contribution)  Physician Global Disease Acti PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets  Parent Global Disease Activit PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets  Childhood Myositis Assessmen PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets  Childhood Health Assessmen PRINTO Trial Juvenile Consensus Profiles All PRINTO JDM Datasets  Disease Activity Score (Expect PRINTO Trial	vity (Expected contrib 20.0 [20.0 - 27.3] 20.0 [0.0 - 50.0] 20.0 [0.0 - 37.5] y (Expected contributi 10.0 [10.0 - 11.3] 10.0 [0.0 - 10.0] 10.0 [0.0 - 10.0] ent Scale (Expected con 32.5 [0.0 - 32.5] 32.5 [0.0 - 32.5] 32.5 [0.0 - 32.5] 32.5 [0.0 - 32.5]* t Questionnaire (Expected 10.0 [0.0 - 10.0] 0.0 [0.0 - 10.0]* 0.0 [0.0 - 10.0]* ted contribution 20%) 20.0 [0.0 - 20.0]	Improvement ution 20%) 23.1 [0.0 - 37.5] 40.0 [20.0 - 46.2] 37.5 [18.8 - 43.8] on 10%) 0.0 [0.0 - 12.5] 0.0 [0.0 - 16.7] 0.0 [0.0 - 13.3] ntribution 32.5%) 30.8 [25.0 - 64.7] 25.0 [0.0 - 33.3] 25.8 [23.5 - 33.3] cted contribution 10% 12.5 [0.0 - 23.1] 0.0 [0.0 - 16.7] 0.0 [0.0 - 17.7]	Improvement 30.4 [16.7 - 36.8] 28.0 [22.2 - 33.3]* 29.8 [19.4 - 34.1]* 9.3 [5.3 - 12.5] 8.5 [0.0 - 13.6] 8.9 [4.1 - 13.0] 33.3 [15.4 - 42.3] 33.3 [20.0 - 42.3] 33.3 [19.1 - 42.3] 6) 13.3 [0.0 - 16.7] 11.1 [0.0 - 13.6] 11.3 [0.0 - 14.3]	Improvement 20.5 [20.0 - 21.6]* 21.1 [20.0 - 22.6]* 20.7 [20.0 - 22.2]* 10.0 [8.1 - 10.5] 10.0 [8.8 - 10.8] 10.0 [8.3 - 10.7] 33.3 [32.5 - 35.1]* 34.2 [32.5 - 37.1]* 34.2 [32.5 - 36.1]* 10.3 [10.0 - 10.8]* 10.3 [10.0 - 10.8]* 10.3 [10.0 - 10.8]*

Thysician clobal Discuse Activity	0.2 (0.0 1)	V0.0001	0.5 (0.00)	10.0001	1 1 / / /	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	0.
Parent Global Disease Activity	0.1 (0.03)	<0.0001	0.1 (0.04)	0.003	N/A	N/A	0.
Childhood Myositis Assessment Scale	0.3 (0.04)	<0.0001	0.2 (0.06)	0.000	N/A	N/A	0.
Childhood Health Assessment Questionnaire	0.1 (0.03)	0.006	0.1 (0.05)	0.03	N/A	N/A	0.
Disease Activity Score	0.4 (0.04)	<0.0001	0.4 (0.07)	<0.0001	N/A	N/A	0.
Child Health Questionnaire-Parent Form 50 -					NI / A	NI / A	
Physical Summary Score	0.2 (0.04)	<0.0001	0.3 (0.05)	<0.0001	N/A	N/A	0.

\*Absolute percentage change in CSM was used in each regression model.

Abbreviations: See Supplementary Table S1. SE: Standard Error.

0.2 (0.05)	
0.1 (0.03)	0.005
0.4 (0.05)	<0.0001
0.1 (0.05)	0.1
0.4 (0.05)	<0.0001
0.2 (0.07)	0.005

	6											
(N=457)	277102 (20.5)	477102 (40.1)	1.0 (0.0 – 0.0)	20/00 (43.3)	//00 (11./)	1.0 (0.0 – 2.0)	23/100 (23.0)	5/100 (4.7)	0.0 (0.0 – 2.0)	12/ 109 (0.3)	0/109 (0.0)	0.0 (0.0 – 1.0)
All IMACS JDM Datasets	27/102 (26.5)	47/102 (46.1)	1.0 (0.0 – 6.0)	26/60/42 2)	7/60 (11.7)	1.0 (0.0 – 2.0)	25/106/22.6)	5/106 (4.7)	0.0 (0.0 – 2.0)	12/189 (6.3)	0/189 (0.0)	0.0 (0.0 – 1.0)
(N=273)	15/00 (22.7)	30,00 (34.3)	2.0 (0.0 0.0)	10/33 (41.0)	4/33 (10.2)	1.0 (0.0 2.0)	13/01 (24.0)	1/01 (1.0)	0.0 (0.0 2.0)	77107 (0.37	0/10/(0.0)	0.0 (0.0 1.0)

## B. Frequency and Degree of Worsening in CSM by MRC Categories

				Myositis Response	e Criteria Categories			
		No Improvement	Minimal	Improvement	Moderate	Improvement	Major I	mprovement
Core Set Measures by Study	Number of	Median abs% change of	Number of subjects	Median abs % change	Number of	Median abs % change	Number of	Median abs % change of
	subjects	worsening	n/N (%)	of worsening	subjects	of worsening	subjects	worsening
	n/N (%)	[IQR]	11/19 (70)	[IQR]	n/N (%)	[IQR]	n/N (%)	[IQR]
Physician Global Disease Activ	vity			i		i		
Rituximab in Myositis Trial	3/18 (16.7)	-9.0 [-13.0, -7.0]	0/8 (0.0)	N/A	1/14 (7.1)	-7.0 [-7.0, -7.0]	0/8 (0.0)	N/A
PRINTO Trial	4/18 (22.2)	-17.0 [-32.5, -12.5]	1/13 (7.7)	-20.0 [-20.0, -20.0]	1/31 (3.2)	-40.0 [-40.0, -40.0]	0/74 (0.0)	N/A
Juvenile Consensus Profiles	24/66 (36.4)	-22.0 [-31.5, -10.0]	0/39 (0.0)	N/A	0/61 (0.0)	N/A	0/107 (0.0)	N/A
All IMACS JDM Datasets	31/102 (30.4)	-20.0 [-30.0, -10.0]	1/60 (1.7)	-20.0 [-20.0, -20.0]	2/106 (1.9)	-23.5 [-40.0, -7.0]	0/189 (0.0)	N/A
Parent Global Disease Activity	y							
Rituximab in Myositis Trial	3/18 (16.7)	-8.0 [-16.0, -7.0]	2/8 (25.0)	-18.5 [-25.0, -12.0]	1/14 (7.1)	-8.0 [-8.0, -8.0]	0/8 (0.0)	N/A
PRINTO Trial	5/18 (27.8)	-20.0 [-45.0, -14.0]	1/13 (7.7)	-52.0 [-52.0, -52.0]	2/31 (6.4)	-25.0 [-30.0, -20.0]	1/74 (1.3)	-59.0 [-59.0, -59.0]
Juvenile Consensus Profiles	24/66 (36.4)	-22.5 [-36.0, -11.5]	8/39 (20.5)	-17.5 [-31.0, -7.5]	6/61 (9.8)	-10.0 [-43.0, -8.0]	2/107 (1.9)	-10.0 [-14.0, -6.0]
All IMACS JDM Datasets	32/102 (31.4)	-18.5 [-36.0, -10.5]	11/60 (18.3)	-24.0 [-36.0, -8.0]	9/106 (8.5)	-10.0 [-30.0, -8.0]	3/189 (1.6)	-14.0 [-59.0, -6.0]
Manual Muscle Testing								
Rituximab in Myositis Trial	3/18 (16.7)	-16.0 [-20.0, -8.0]	2/8 (25.0)	-6.0 [-8.0, -4.0]	0/14 (0.0)	N/A	0/8 (0.0)	N/A
PRINTO Trial	5/18 (27.8)	-20.0 [-33.0, -10.0]	1/13 (7.7)	-10.0 [-10.0, -10.0]	2/31 (6.4)	-29.0 [-43.0, -15.0]	0/74 (0.0)	N/A
Juvenile Consensus Profiles	37/66 (56.1)	-8.0 [-11.0, -5.0]	7/39 (17.9)	-30.0 [-54.0, -6.0]	3/61 (4.9)	-6.0 [-15.0, -3.0]	0/107 (0.0)	N/A
All IMACS JDM Datasets	45/102 (44.1)	-9.0 [-14.0, -5.0]	10/60 (16.7)	-9.0 [-34.0, -6.0]	5/106 (4.7)	-15.0 [-15.0, -6.0]	0/189 (0.0)	N/A
Childhood Health Assessment	t Questionnaire					i		
Rituximab in Myositis Trial	4/18 (22.2)	-13.0 [-23.0, -10.5]	1/8 (12.5)	-33.0 [-33.0, -33.0]	0/14 (0.0)	N/A	0/8 (0.0)	N/A
PRINTO Trial	5/18 (27.8)	-25.0 [-29.0, -17.0]	3/13 (23.1)	-17.0 [-67.0, -8.0]	2/31 (6.4)	-17.0 [-21.0, -13.0]	0/74 (0.0)	N/A
Juvenile Consensus Profiles	16/66 (24.2)	-21.0 [-29.0, -14.5]	4/39 (10.3)	-16.5 [-23.0, -10.0]	2/61 (3.3)	-18.5 [-29.0, -8.0]	1/107 (0.9)	-13.0 [-13.0, -13.0]
All IMACS JDM Datasets	25/102 (24.5)	-21.0 [-29.0, -13.0]	8/60 (13.3)	-19.0 [-29.0, -10.0]	4/106 (3.8)	-17.0 [-25.0, -10.5]	1/189 (0.5)	-13.0 [-13.0, -13.0]
Extramuscular Global Disease	Activity							
Rituximab in Myositis Trial	7/18 (38.9)	-15.0 [-20.0, -11.0]	0/8 (0.0)	N/A	0/14 (0.0)	N/A	0/8 (0.0)	N/A
PRINTO Trial	5/18 (27.8)	-28.0 [-30.0, -20.0]	3/13 (23.1)	-15.0 [-40.0, -10.0]	3/31 (9.7)	-20.0 [-40.0, -7.0]	4/74 (5.4)	-20.0 [-30.0, -19.5]
Juvenile Consensus Profiles	25/66 (37.9)	-25.0 [-33.0, -11.0]	4/39 (10.3)	-9.5 [-13.0, -6.5]	4/61 (6.6)	-28.0 [-50.0, -13.5]	1/107 (0.9)	-18.0 [-18.0, -18.0]
All IMACS JDM Datasets	37/102 (36.3)	-20.0 [-33.0, -12.0]	7/60 (11.7)	-12.0 [-15.0, -7.0]	7/106 (6.6)	-20.0 [-40.0, -10.0]	5/189 (2.6)	-20.0 [-20.0, -19.0]
Muscle Enzyme								
Rituximab in Myositis Trial	4/18 (22.2)	-7.0 [-9.5, -6.0]	1/8 (12.5)	-11.0 [-11.0, -11.0]	3/14 (21.4)	-11.0 [-23.0, -9.0]	0/8 (0.0)	N/A
PRINTO Trial	1/18 (5.6)	-253.0 [-253.0, -253.0]	1/13 (7.7)	-15.0 [-15.0, -15.0]	3/31 (9.7)	-9.0 [-16.0, -7.0]	0/74 (0.0)	N/A

b. Trequency and begree of Worsening in com by time categories

				Myositis Respo	onse Criteria Categor	ies		
	N	o Improvement	Min	imal Improvement	Moderate	Improvement	Major I	mprovement
Core Set Measures by Study	Number of	Median abs% change of	Number of	Median abs % change of	Number of	Median abs % change <sup>2</sup>	Number of	Median abs % change of
	subjects	worsening	subjects	worsening	subjects	of worsening	subjects	worsening
	n/N (%)	[IQR]	n/N (%)	[IQR]	n/N (%)	[IQR]	n/N (%)	[IQR]
Physician Global Disease Activit	Ŷ							
PRINTO Trial	5/24 (20.8)	-20.0 [-20.0, -14.0]	1/7 (14.3)	-40.0 [-40.0, -40.0]	0/22 (0.0)	N/A	0/86 (0.0)	N/A
Juvenile Consensus Profiles	21/59 (35.6)	-23.0 [-33.0, -11.0]	0/27 (0.0)	N/A	0/50 (0.0)	N/A	0/105 (0.0)	N/A
All PRINTO JDM Datasets	26/83 (31.3)	-22.0 [-33.0, -11.0]	1/34 (2.9)	-40.0 [-40.0, -40.0]	0/72 (0.0)	N/A	0/191 (0.0)	N/A
Parent Global Disease Activity								
PRINTO Trial	6/24 (25.0)	-32.5 [-52.0, -14.0]	2/7 (28.6)	-25.0 [-30.0, -20.0]	0/22 (0.0)	N/A	1/86 (1.2)	-59.0 [-59.0, -59.0]
Juvenile Consensus Profiles	24/59 (40.7)	-20.0 [-30.5, -11.0]	3/27 (11.1)	-8.0 [-9.0, -8.0]	7/50 (14.0)	-24.0 [-56.0, -10.0]	1/105 (0.9)	-7.0 [-7.0, -7.0]
All PRINTO JDM Datasets	30/83 (36.1)	-21.0 [-41.0, -11.0]	5/34 (14.7)	-9.0 [-20.0, -8.0]	7/72 (9.7)	-24.0 [-56.0, -10.0]	2/191 (1.1)	-33.0 [-59.0, -7.0]
Childhood Myositis Assessment	Scale			· · · · ·				
PRINTO Trial	6/24 (25.0)	-14.0 [-25.0, -12.0]	0/7 (0.0)	N/A	2/22 (9.0)	-7.0 [-8.0, -6.0]	0/86 (0.0)	N/A
Juvenile Consensus Profiles	24/59 (40.7)	-13.0 [-15.0, -9.0]	4/27 (14.8)	-12.5 [-23.0, -7.0]	1/50 (2.0)	-13.0 [-13.0, -13.0]	0/105 (0.0)	N/A
All PRINTO JDM Datasets	30/83 (36.1)	-13.0 [-15.0, -10.0]	4/34 (11.8)	-12.5 [-23.0, -7.0]	3/72 (4.2)	-8.0 [-13.0, -6.0]	0/191 (0.0)	N/A
Childhood Health Assessment C	uestionnaire							
PRINTO Trial	8/24 (33.3)	-21.0 [-41.5, -16.5]	1/7 (14.3)	-13.0 [-13.0, -13.0]	1/22 (4.5)	-21.0 [-21.0, -21.0]	0/86 (0.0)	N/A
Juvenile Consensus Profiles	17/59 (28.8)	-21.0 [-29.0, -16.0]	3/27 (11.1)	-21.0 [-25.0, -13.0]	4/50 (8.0)	-10.0 [-20.5, -8.0]	0/105 (0.0)	N/A
All PRINTO JDM Datasets	25/83 (30.1)	-21.0 [-29.0, -16.0]	4/34 (11.8)	-17.0 [-23.0, -13.0]	5/72 (6.9)	-12.0 [-21.0, -8.0]	0/191 (0.0)	N/A
Disease Activity Score								
PRINTO Trial	4/24 (16.7)	-15.0 [-20.0, -10.0]	0/7 (0.0)	N/A	1/22 (4.5)	-15.0 [-15.0, -15.0]	0/86 (0.0)	N/A
Juvenile Consensus Profiles	17/59 (28.8)	-20.0 [-25.0, -10.0]	0/27 (0.0)	N/A	2/50 (4.0)	-30.0 [-35.0, -25.0]	1/105 (0.9)	-10.0 [-10.0, -10.0]
All PRINTO JDM Datasets	21/83 (25.3)	-20.0 [-25.0, -10.0]	0/34 (0.0)	N/A	3/72 (4.2)	-25.0 [-35.0, -15.0]	1/191 (0.5)	-10.0 [-10.0, -10.0]
Child Health Questionnaire-Pare	ent Form 50 - Phys							
PRINTO Trial	1/24 (4.2)	-10.0 [-10.0, -10.0]	2/7 (28.6)	-11.0 [-13.0, -9.0]	1/22 (4.5)	-18.0 [-18.0, -18.0]	2/86 (2.3)	-24.5 [-34.0, -15.0]
Juvenile Consensus Profiles	17/59 (28.8)	-15.0 [-19.0, -9.0]	4/27 (14.8)	-12.5 [-19.0, -10.5]	6/50 (12.0)	-13.5 [-19.0, -8.0]	1/105 (0.9)	-13.0 [-13.0, -13.0]
All PRINTO JDM Datasets	18/83 (21.7)	-14.5 [-19.0, -9.0]	6/34 (17.6)	-12.0 [-14.0, -10.0]	7/72 (9.7)	-16.0 [-19.0, -8.0]	3/191 (1.6)	-15.0 [-34.0, -13.0]
Abbreviations: JDM: Juvenile D	ermatomvositis N/A·I							

Abbreviations: JDM: Juvenile Dermatomyositis, N/A: Not Available.

All IMACS JDM Datasets	53/60 (88.3%)	106/106 (100.0%)*	189/189 (100.0%)*
No Contribution from any Muscle Related N	leasure	· · · · · · · · · · · · · · · · · · ·	
PRINTO Trial	0/13 (0.0%)	0/31 (0.0%)	0/74 (0.0%)
Rituximab in Myositis Trial	2/8 (25.0%)	0/14 (0.0%)	0/8 (0.0%)
Juvenile Consensus Profiles	5/39 (12.8%)	0/61 (0.0%)*	0/107 (0.0%)*
All IMACS JDM Datasets	7/60 (11.7%)	0/106 (0.0%)*	0/189 (0.0%)*
PRINTO Core Set Measures			
Childhood Myositis Assessment Scale (CMAS	S) Contributing to TIS		
PRINTO Trial	7/7 (100.0%)	17/22 (77.2%)	86/86 (100.0%) <sup>†</sup>
Juvenile Consensus Profiles	19/27 (70.4%)	48/50 (96.0%)*	105/105 (100.0%)*
All PRINTO JDM Datasets	26/34 (76.5%)	65/72 (90.3%)	191/191 (100.0%)*†
CMAS, Childhood Health Assessment Questi Contributing to TIS	ionnaire, or Child Health Question	naire-Parent Form 50 - Physic	cal Summary Score
PRINTO Trial	7/7 (100.0%)	22/22 (100.0%)	86/86 (100.0%)
Juvenile Consensus Profiles	22/27 (81.5%)	50/50 (100.0%)*	105/105 (100.0%)*
All PRINTO JDM Datasets	29/34 (85.3%)	72/72 (100.0%)*	191/191 (100.0%)*
No Contribution from CMAS, Childhood Hea Summary Score Contributing to TIS	Ith Assessment Questionnaire, or	Child Health Questionnaire-P	arent Form 50 - Physical
PRINTO Trial	0/7 (0.0%)	0/22 (0.0%)	0/86 (0.0%)
Juvenile Consensus Profiles	5/27 (18.5%)	0/50 (0.0%)*	0/105 (0.0%)*
	5/34 (14.7%)	0/72 (0.0%)*	0/191 (0.0%)*
All PRINTO JDM Datasets Frequency of Patient Reported Outcome Me	· · · · ·		
Frequency of Patient Reported Outcome Me IMACS Core Set Measures	easure Contribution to TIS		
Frequency of Patient Reported Outcome Me IMACS Core Set Measures Parent Global Disease Activity Contributing	easure Contribution to TIS		
Frequency of Patient Reported Outcome Me IMACS Core Set Measures Parent Global Disease Activity Contributing PRINTO Trial	easure Contribution to TIS to TIS 10/13 (76.9%)	26/31 (83.8%)	73/74 (98.6%)*†
Frequency of Patient Reported Outcome Me IMACS Core Set Measures Parent Global Disease Activity Contributing PRINTO Trial Rituximab in Myositis Trial	easure Contribution to TIS to TIS 10/13 (76.9%) 5/8 (62.5%)	26/31 (83.8%) 13/14 (92.8%)	73/74 (98.6%)* <sup>†</sup> 8/8 (100.0%)
Frequency of Patient Reported Outcome Me IMACS Core Set Measures Parent Global Disease Activity Contributing PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles	easure Contribution to TIS to TIS 10/13 (76.9%) 5/8 (62.5%) 20/39 (51.3%)	26/31 (83.8%) 13/14 (92.8%) 48/61 (78.6%)*	73/74 (98.6%)* <sup>†</sup> 8/8 (100.0%) 103/107 (96.2%)* <sup>†</sup>
Frequency of Patient Reported Outcome Me IMACS Core Set Measures Parent Global Disease Activity Contributing PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets	easure Contribution to TIS to TIS 10/13 (76.9%) 5/8 (62.5%) 20/39 (51.3%) 35/60 (58.3%)	26/31 (83.8%) 13/14 (92.8%)	73/74 (98.6%)* <sup>†</sup> 8/8 (100.0%)
Frequency of Patient Reported Outcome Me IMACS Core Set Measures Parent Global Disease Activity Contributing PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Childhood Health Assessment Questionnaire	easure Contribution to TIS to TIS 10/13 (76.9%) 5/8 (62.5%) 20/39 (51.3%) 35/60 (58.3%) e Contributing to TIS	26/31 (83.8%) 13/14 (92.8%) 48/61 (78.6%)* 87/106 (82.0%)*	73/74 (98.6%)* <sup>†</sup> 8/8 (100.0%) 103/107 (96.2%)* <sup>†</sup> 184/189 (97.3%)* <sup>†</sup>
Frequency of Patient Reported Outcome Me IMACS Core Set Measures Parent Global Disease Activity Contributing PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Childhood Health Assessment Questionnaire PRINTO Trial	easure Contribution to TIS 10/13 (76.9%) 5/8 (62.5%) 20/39 (51.3%) 35/60 (58.3%) e Contributing to TIS 7/13 (53.8%)	26/31 (83.8%) 13/14 (92.8%) 48/61 (78.6%)* 87/106 (82.0%)* 26/31 (83.8%)	73/74 (98.6%)* <sup>†</sup> 8/8 (100.0%) 103/107 (96.2%)* <sup>†</sup> 184/189 (97.3%)* <sup>†</sup> 72/74 (97.3%)*
Frequency of Patient Reported Outcome Me IMACS Core Set Measures Parent Global Disease Activity Contributing PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Childhood Health Assessment Questionnaire PRINTO Trial Rituximab in Myositis Trial	easure Contribution to TIS 10/13 (76.9%) 5/8 (62.5%) 20/39 (51.3%) 35/60 (58.3%) e Contributing to TIS 7/13 (53.8%) 4/8 (50.0%)	26/31 (83.8%) 13/14 (92.8%) 48/61 (78.6%)* 87/106 (82.0%)* 26/31 (83.8%) 11/14 (78.5%)	73/74 (98.6%)* <sup>†</sup> 8/8 (100.0%) 103/107 (96.2%)* <sup>†</sup> 184/189 (97.3%)* <sup>†</sup> 72/74 (97.3%)* 7/8 (87.5%)
Frequency of Patient Reported Outcome Me IMACS Core Set Measures Parent Global Disease Activity Contributing PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Childhood Health Assessment Questionnaire PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles	easure Contribution to TIS 10/13 (76.9%) 5/8 (62.5%) 20/39 (51.3%) 35/60 (58.3%) e Contributing to TIS 7/13 (53.8%) 4/8 (50.0%) 20/39 (51.3%)	26/31 (83.8%) 13/14 (92.8%) 48/61 (78.6%)* 87/106 (82.0%)* 26/31 (83.8%) 11/14 (78.5%) 50/61 (81.9%)*	73/74 (98.6%)* <sup>†</sup> 8/8 (100.0%) 103/107 (96.2%)* <sup>†</sup> 184/189 (97.3%)* <sup>†</sup> 72/74 (97.3%)* 7/8 (87.5%) 102/107 (95.3%)* <sup>†</sup>
Frequency of Patient Reported Outcome Me IMACS Core Set Measures Parent Global Disease Activity Contributing PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Childhood Health Assessment Questionnaire PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets	easure Contribution to TIS 10/13 (76.9%) 5/8 (62.5%) 20/39 (51.3%) 35/60 (58.3%) e Contributing to TIS 7/13 (53.8%) 4/8 (50.0%) 20/39 (51.3%) 31/60 (51.7%)	26/31 (83.8%) 13/14 (92.8%) 48/61 (78.6%)* 87/106 (82.0%)* 26/31 (83.8%) 11/14 (78.5%) 50/61 (81.9%)* 87/106 (82.0%)*	73/74 (98.6%)* <sup>†</sup> 8/8 (100.0%) 103/107 (96.2%)* <sup>†</sup> 184/189 (97.3%)* <sup>†</sup> 72/74 (97.3%)* 7/8 (87.5%)
Frequency of Patient Reported Outcome Me IMACS Core Set Measures Parent Global Disease Activity Contributing PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Childhood Health Assessment Questionnaire PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Parent Global Disease Activity or Childhood	easure Contribution to TIS 10/13 (76.9%) 5/8 (62.5%) 20/39 (51.3%) 35/60 (58.3%) e Contributing to TIS 7/13 (53.8%) 4/8 (50.0%) 20/39 (51.3%) 31/60 (51.7%) Health Assessment Questionnaire	26/31 (83.8%) 13/14 (92.8%) 48/61 (78.6%)* 87/106 (82.0%)* 26/31 (83.8%) 11/14 (78.5%) 50/61 (81.9%)* 87/106 (82.0%)* Contributing to TIS	73/74 (98.6%)* <sup>†</sup> 8/8 (100.0%) 103/107 (96.2%)* <sup>†</sup> 184/189 (97.3%)* <sup>†</sup> 72/74 (97.3%)* 7/8 (87.5%) 102/107 (95.3%)* <sup>†</sup> 181/189 (95.7%)* <sup>†</sup>
Frequency of Patient Reported Outcome Me IMACS Core Set Measures Parent Global Disease Activity Contributing PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Childhood Health Assessment Questionnaire PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Parent Global Disease Activity or Childhood PRINTO Trial	easure Contribution to TIS 10/13 (76.9%) 5/8 (62.5%) 20/39 (51.3%) 35/60 (58.3%) e Contributing to TIS 7/13 (53.8%) 4/8 (50.0%) 20/39 (51.3%) 31/60 (51.7%) Health Assessment Questionnaire 11/13 (84.6%)	26/31 (83.8%) 13/14 (92.8%) 48/61 (78.6%)* 87/106 (82.0%)* 26/31 (83.8%) 11/14 (78.5%) 50/61 (81.9%)* 87/106 (82.0%)* Contributing to TIS 29/31 (93.5%)	73/74 (98.6%)* <sup>†</sup> 8/8 (100.0%) 103/107 (96.2%)* <sup>†</sup> 184/189 (97.3%)* <sup>†</sup> 72/74 (97.3%)* 7/8 (87.5%) 102/107 (95.3%)* <sup>†</sup> 181/189 (95.7%)* <sup>†</sup> 74/74 (100.0%)
Frequency of Patient Reported Outcome Me IMACS Core Set Measures Parent Global Disease Activity Contributing PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Childhood Health Assessment Questionnaire PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Parent Global Disease Activity or Childhood PRINTO Trial Rituximab in Myositis Trial	easure Contribution to TIS 10/13 (76.9%) 5/8 (62.5%) 20/39 (51.3%) 35/60 (58.3%) e Contributing to TIS 7/13 (53.8%) 4/8 (50.0%) 20/39 (51.3%) 31/60 (51.7%) Health Assessment Questionnaire 11/13 (84.6%) 5/8 (62.5%)	26/31 (83.8%) 13/14 (92.8%) 48/61 (78.6%)* 87/106 (82.0%)* 26/31 (83.8%) 11/14 (78.5%) 50/61 (81.9%)* 87/106 (82.0%)* Contributing to TIS 29/31 (93.5%) 14/14 (100.0%)	73/74 (98.6%)* <sup>†</sup> 8/8 (100.0%) 103/107 (96.2%)* <sup>†</sup> 184/189 (97.3%)* <sup>†</sup> 72/74 (97.3%)* 7/8 (87.5%) 102/107 (95.3%)* <sup>†</sup> 181/189 (95.7%)* <sup>†</sup> 74/74 (100.0%) 8/8 (100.0%)
Frequency of Patient Reported Outcome Me IMACS Core Set Measures Parent Global Disease Activity Contributing PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Childhood Health Assessment Questionnaire PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Parent Global Disease Activity or Childhood PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles	easure Contribution to TIS 10/13 (76.9%) 5/8 (62.5%) 20/39 (51.3%) 35/60 (58.3%) e Contributing to TIS 7/13 (53.8%) 4/8 (50.0%) 20/39 (51.3%) 31/60 (51.7%) Health Assessment Questionnaire 11/13 (84.6%) 5/8 (62.5%) 30/39 (76.9%)	26/31 (83.8%) 13/14 (92.8%) 48/61 (78.6%)* 87/106 (82.0%)* 26/31 (83.8%) 11/14 (78.5%) 50/61 (81.9%)* 87/106 (82.0%)* Contributing to TIS 29/31 (93.5%) 14/14 (100.0%) 54/61 (88.5%)	73/74 (98.6%)* <sup>†</sup> 8/8 (100.0%) 103/107 (96.2%)* <sup>†</sup> 184/189 (97.3%)* <sup>†</sup> 72/74 (97.3%)* 7/8 (87.5%) 102/107 (95.3%)* <sup>†</sup> 181/189 (95.7%)* <sup>†</sup> 74/74 (100.0%) 8/8 (100.0%) 106/107 (99.0%)* <sup>†</sup>
Frequency of Patient Reported Outcome Me IMACS Core Set Measures Parent Global Disease Activity Contributing PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Childhood Health Assessment Questionnaire PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Parent Global Disease Activity or Childhood PRINTO Trial Rituximab in Myositis Trial	easure Contribution to TIS 10/13 (76.9%) 5/8 (62.5%) 20/39 (51.3%) 35/60 (58.3%) e Contributing to TIS 7/13 (53.8%) 4/8 (50.0%) 20/39 (51.3%) 31/60 (51.7%) Health Assessment Questionnaire 11/13 (84.6%) 5/8 (62.5%)	26/31 (83.8%) 13/14 (92.8%) 48/61 (78.6%)* 87/106 (82.0%)* 26/31 (83.8%) 11/14 (78.5%) 50/61 (81.9%)* 87/106 (82.0%)* Contributing to TIS 29/31 (93.5%) 14/14 (100.0%)	73/74 (98.6%)* <sup>†</sup> 8/8 (100.0%) 103/107 (96.2%)* <sup>†</sup> 184/189 (97.3%)* <sup>†</sup> 72/74 (97.3%)* 7/8 (87.5%) 102/107 (95.3%)* <sup>†</sup> 181/189 (95.7%)* <sup>†</sup> 74/74 (100.0%) 8/8 (100.0%)
Frequency of Patient Reported Outcome Me IMACS Core Set Measures Parent Global Disease Activity Contributing PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Childhood Health Assessment Questionnaire PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Parent Global Disease Activity or Childhood PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Parent Global Disease Activity or Childhood PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets	easure Contribution to TIS 10/13 (76.9%) 5/8 (62.5%) 20/39 (51.3%) 35/60 (58.3%) e Contributing to TIS 7/13 (53.8%) 4/8 (50.0%) 20/39 (51.3%) 31/60 (51.7%) Health Assessment Questionnaire 11/13 (84.6%) 5/8 (62.5%) 30/39 (76.9%) 46/60 (76.7%)	26/31 (83.8%) 13/14 (92.8%) 48/61 (78.6%)* 87/106 (82.0%)* 26/31 (83.8%) 11/14 (78.5%) 50/61 (81.9%)* 87/106 (82.0%)* Contributing to TIS 29/31 (93.5%) 14/14 (100.0%) 54/61 (88.5%)	73/74 (98.6%)* <sup>†</sup> 8/8 (100.0%) 103/107 (96.2%)* <sup>†</sup> 184/189 (97.3%)* <sup>†</sup> 72/74 (97.3%)* 7/8 (87.5%) 102/107 (95.3%)* <sup>†</sup> 181/189 (95.7%)* <sup>†</sup> 74/74 (100.0%) 8/8 (100.0%) 106/107 (99.0%)* <sup>†</sup>
Frequency of Patient Reported Outcome Me IMACS Core Set Measures Parent Global Disease Activity Contributing PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Childhood Health Assessment Questionnaire PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Parent Global Disease Activity or Childhood PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles	easure Contribution to TIS 10/13 (76.9%) 5/8 (62.5%) 20/39 (51.3%) 35/60 (58.3%) e Contributing to TIS 7/13 (53.8%) 4/8 (50.0%) 20/39 (51.3%) 31/60 (51.7%) Health Assessment Questionnaire 11/13 (84.6%) 5/8 (62.5%) 30/39 (76.9%) 46/60 (76.7%)	26/31 (83.8%) 13/14 (92.8%) 48/61 (78.6%)* 87/106 (82.0%)* 26/31 (83.8%) 11/14 (78.5%) 50/61 (81.9%)* 87/106 (82.0%)* Contributing to TIS 29/31 (93.5%) 14/14 (100.0%) 54/61 (88.5%)	73/74 (98.6%)* <sup>†</sup> 8/8 (100.0%) 103/107 (96.2%)* <sup>†</sup> 184/189 (97.3%)* <sup>†</sup> 72/74 (97.3%)* 7/8 (87.5%) 102/107 (95.3%)* <sup>†</sup> 181/189 (95.7%)* <sup>†</sup> 74/74 (100.0%) 8/8 (100.0%) 106/107 (99.0%)* <sup>†</sup>
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Frequency of Patient Reported Outcome Me IMACS Core Set Measures Parent Global Disease Activity Contributing PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Childhood Health Assessment Questionnaire PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Parent Global Disease Activity or Childhood PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets Parent Global Disease Activity or Childhood PRINTO Trial Rituximab in Myositis Trial Juvenile Consensus Profiles All JDM datasets PRINTO Core Set Measures Parent Global Disease Activity Contributing	easure Contribution to TIS 10/13 (76.9%) 5/8 (62.5%) 20/39 (51.3%) 35/60 (58.3%) e Contributing to TIS 7/13 (53.8%) 4/8 (50.0%) 20/39 (51.3%) 31/60 (51.7%) Health Assessment Questionnaire 11/13 (84.6%) 5/8 (62.5%) 30/39 (76.9%) 46/60 (76.7%)	26/31 (83.8%) 13/14 (92.8%) 48/61 (78.6%)* 87/106 (82.0%)* 26/31 (83.8%) 11/14 (78.5%) 50/61 (81.9%)* 87/106 (82.0%)* <b>Contributing to TIS</b> 29/31 (93.5%) 14/14 (100.0%) 54/61 (88.5%) 97/106 (91.5%)*	73/74 (98.6%)* <sup>†</sup> 8/8 (100.0%) 103/107 (96.2%)* <sup>†</sup> 184/189 (97.3%)* <sup>†</sup> 72/74 (97.3%)* 7/8 (87.5%) 102/107 (95.3%)* <sup>†</sup> 181/189 (95.7%)* <sup>†</sup> 74/74 (100.0%) 8/8 (100.0%) 106/107 (99.0%)* <sup>†</sup> 188/189 (99.4%)* <sup>†</sup>

Childhood Hoalth Assessment Questionnaire Contributing to TIC

Abbreviations: TIS: Total Improvement Score, JDM: Juvenile Dermatomyositis, CHQ-PF50 PhS: Child Health Questionnaire-Parent Form 50 - Physical Summary Score. Spearman correlation coefficients shown.