

Supplemental Table 1: Distribution of fracture site of males with Duchenne muscular dystrophy from MD STARnet 2002-2011

	First Fracture	All Fractures
Total, n	251 (100) ¹	455 (100)
Spine, n	11 (4.4)	32 (7)
Humerus, n	26 (10.4)	54 (11.9)
Wrist, n	6 (2.4)	9 (2)
Arm ² , n	11 (4.4)	15 (3.3)
Femur, n	84 (33.5)	147 (32.3)
Tibia/Fibula, n	34 (13.5)	67 (14.7)
Foot, n	13 (5.2)	18 (4)
Ankle, n	15 (6)	28 (6.2)
Leg ² , n	9 (3.6)	19 (4.2)
Clavicle,	9 (3.6)	10 (2.2)
Other/unspecified, n	33 (13.1)	56 (12.3)

¹ n (%), all such values

² further anatomic detail not specified

Supplemental Table 2: Case characteristics and outcomes by surveillance site of males with Duchenne muscular dystrophy from MD STARnet 2002-2011

	CO	IA	WNY	AZ	GA	p
n	160	93	74	170	186	
Age at first visit, y	8.9±5.1 ¹	8.9±5.8	8.9±5.4	8.7±5.4	7.8±4.1	0.22
Age at last visit, y	14.7 ± 6.5	14.9 ± 6.8	15.39±6.3	14.54±6.0	13.52±5.0	0.14
Age at diagnosis, y	4.5±2.8	4.2±2.7	4.4±3.4	4.4±2.8	4.8 ±2.8	0.59
Glucocorticoid exposure²	49 (30.6) ³	25 (26.9)	17 (23)	35 (20.6)	35 (18.8)	0.09
Fracture Ambulatory⁴	67 (41.9)	37 (39.8)	37 (50)	55 (32.4)	55 (29.6)	<0.01
Race						
White	86 (53.8)	71 (76.3)	50 (67.6)	73 (42.9)	117 (62.9)	
Hispanic	53 (33.1)	7 (7.5)	4 (5.4)	66 (38.8)	28 (15.1)	<0.01
Black	5 (3.1)	3 (3.2)	6 (8.1)	2 (1.2)	31 (16.7)	
Other/Unknown	16 (0.1)	12 (12.9)	14 (18.9)	29 (17.1)	10 (5.4)	
DXA Scan	47 (29.3)	40 (43)	29 (39)	24 (14)	24 (13)	<0.01
Spine Xray	89 (55.6)	43 (46.2)	36 (48.6)	92 (54.2)	112 (60.2)	0.32
Endocrinologist evaluation	6 (3.8)	9 (9.7)	5 (6.8)	4 (2.4)	8 (4.3)	0.08

¹ mean ± SD, all such values

² Cumulative use for ≥ six months prior to or during the study period

³ n (%), all such values

⁴ n= 675

Abbreviations: AZ, Arizona; CO, Colorado; GA, Georgia, IA, Iowa, WNY; Western New York