

RJL Systems Segmental Body Composition Analysis

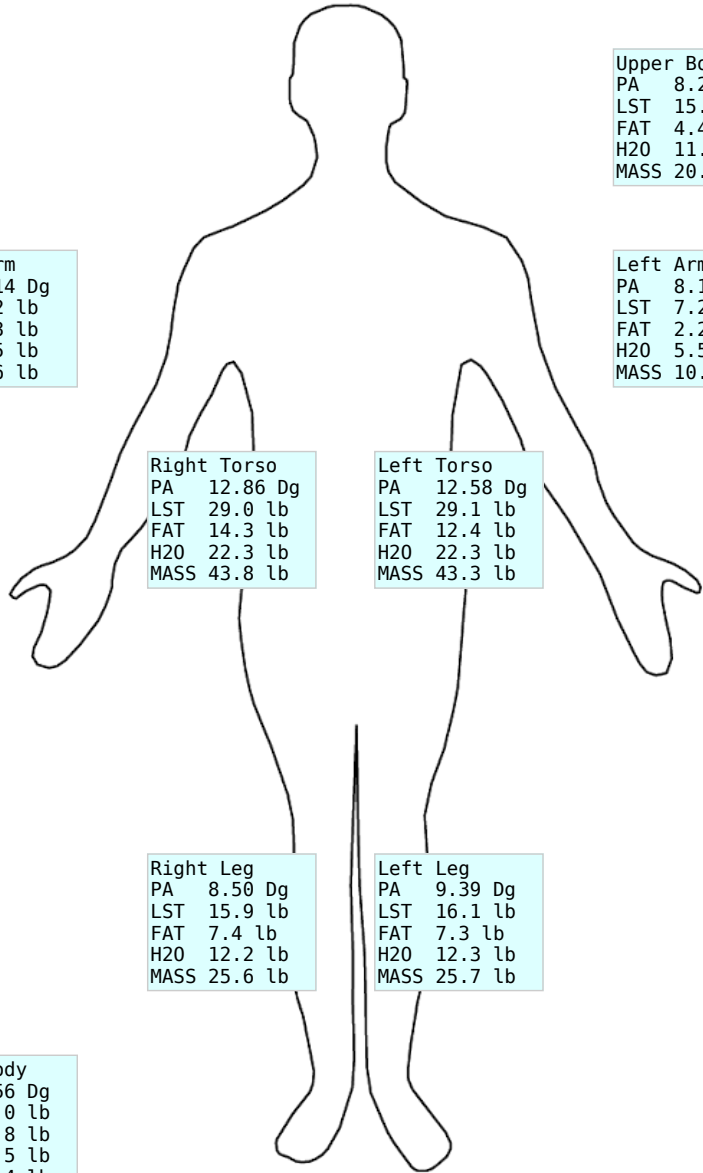
Time: 10:59 Measurement Units: English

Date	First	Last	ID	Sex	Age	Height	Weight
5/6/2024	J	P	9876 5	male	53	64	160

Segmental BIA Analysis

Anterior View

Get Data



Upper Body
 PA 8.27 Dg
 LST 15.0 lb
 FAT 4.4 lb
 H2O 11.5 lb
 MASS 20.7 lb

Right Arm
 PA 9.14 Dg
 LST 7.2 lb
 FAT 2.3 lb
 H2O 5.5 lb
 MASS 9.6 lb

Left Arm
 PA 8.10 Dg
 LST 7.2 lb
 FAT 2.2 lb
 H2O 5.5 lb
 MASS 10.0 lb

Right Torso
 PA 12.86 Dg
 LST 29.0 lb
 FAT 14.3 lb
 H2O 22.3 lb
 MASS 43.8 lb

Left Torso
 PA 12.58 Dg
 LST 29.1 lb
 FAT 12.4 lb
 H2O 22.3 lb
 MASS 43.3 lb

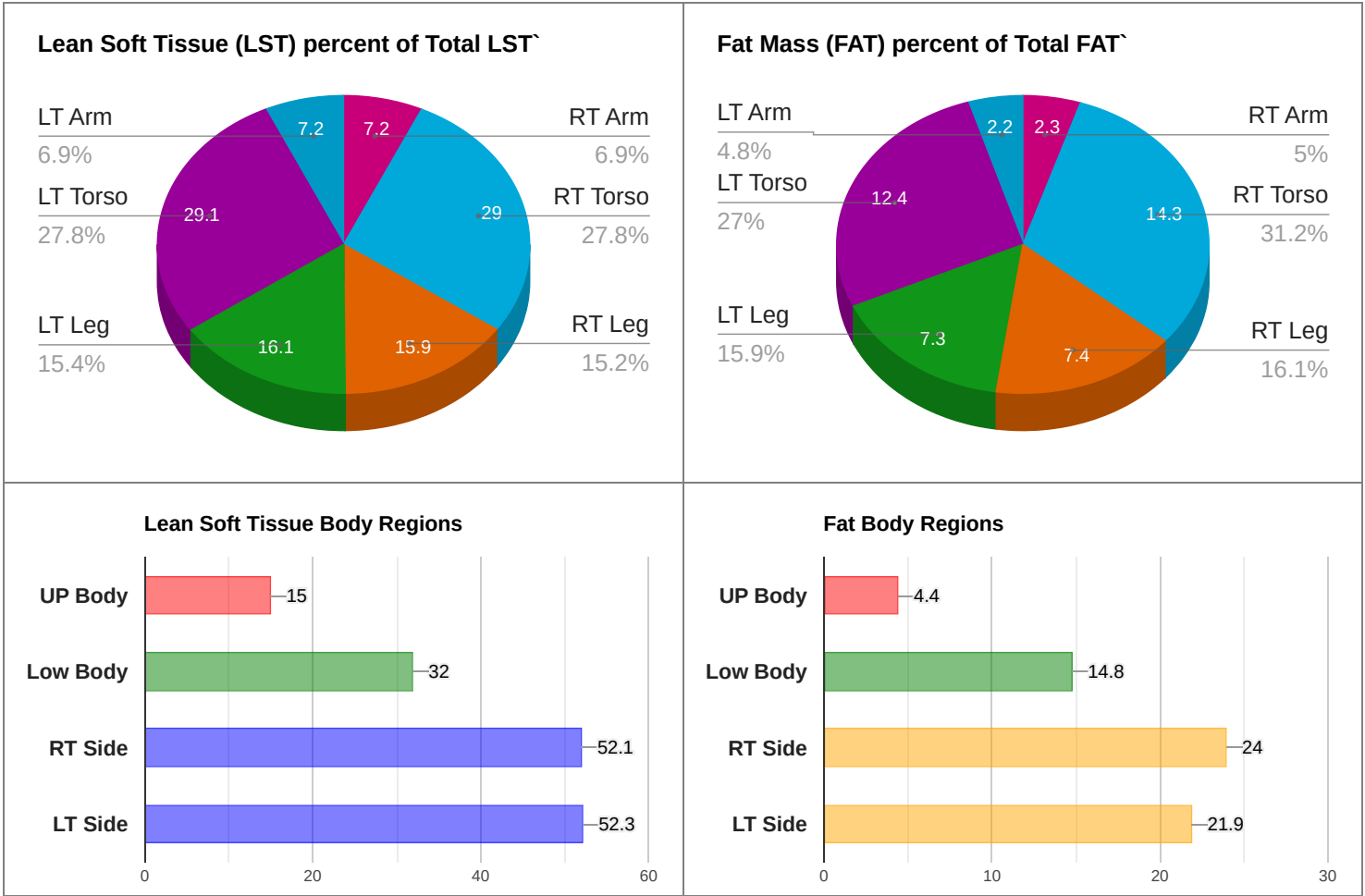
Right Body
 PA 7.54 Dg
 LST 52.1 lb
 FAT 24.0 lb
 H2O 40.0 lb
 MASS 79.0 lb

Left Body
 PA 8.45 Dg
 LST 52.3 lb
 FAT 21.9 lb
 H2O 40.1 lb
 MASS 79.0 lb

Right Leg
 PA 8.50 Dg
 LST 15.9 lb
 FAT 7.4 lb
 H2O 12.2 lb
 MASS 25.6 lb

Left Leg
 PA 9.39 Dg
 LST 16.1 lb
 FAT 7.3 lb
 H2O 12.3 lb
 MASS 25.7 lb

Lower Body
 PA 8.56 Dg
 LST 32.0 lb
 FAT 14.8 lb
 H2O 24.5 lb
 MASS 51.4 lb



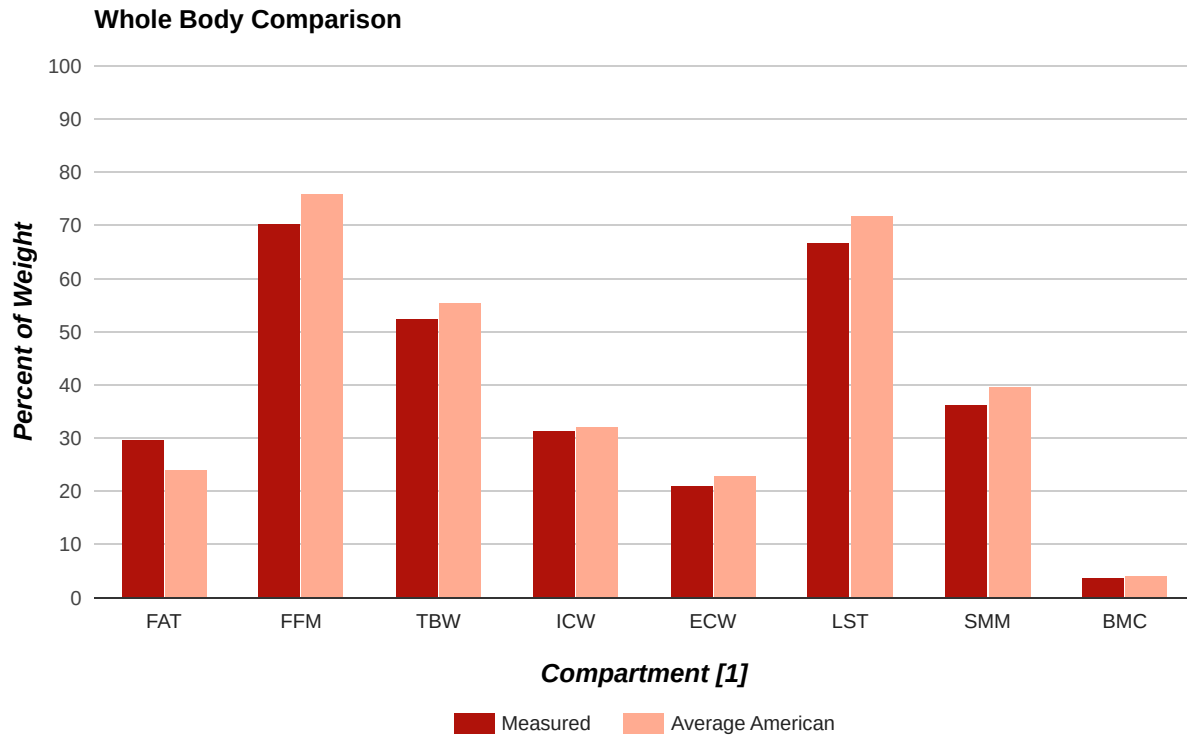
**Right and Left Side Segmental Body Analysis
Pounds**

	Lean Soft Tissue	Fat	Water	Mass	LST % Wt	Fat % Wt	Water % Wt	Resistance	Reactance	Phase Angle
Right Arm	7.2	2.3	5.5	9.6	4.5	1.4	3.4	225.5	36.3	9.14
Right Leg	15.9	7.4	12.2	25.6	9.9	4.6	7.6	249.5	37.3	8.50
Right Torso	29.0	14.3	22.3	43.8	18.1	8.9	13.9	24.1	5.5	12.86
Right Body	52.1	24.0	40.0	79.0	32.6	15.0	25.0	493.3	65.3	7.54
Left Arm	7.2	2.2	5.5	10.0	4.5	1.4	3.4	225.6	32.1	8.10
Left Leg	16.1	7.3	12.3	25.7	10.1	4.6	7.7	243.1	40.2	9.39
Left Torso	29.1	12.4	22.3	43.3	18.2	7.8	13.9	24.2	5.4	12.58
Left Body	52.3	21.9	40.1	79.0	32.7	13.7	25.1	492.7	73.2	8.45

Whole Body Analysis of Right and Left Side Average

	Weight Pounds				
	Weight	160	% of Weight		
Fat	47.5		29.7		
Fat Free Mass (FFM)	112.5		70.3	% of FFM	
Skeletal Muscle Mass (SMM)	57.8		36.2	51.4	
Lean Dry Mass(LDM)	30.7		19.2	27.3	
Total Body Water (TBW)	81.8		51.1	72.7	% of TBW
Extra-Cellular Water (ECW)	33.6		21.0	29.8	41.0
Intra-Cellular Water (ICW)	48.2		30.1	42.9	58.9
Bone Mineral Content (BMC)	5.9		3.7	5.2	
Lean Soft Tissue (LST)	106.6		66.6	94.8	
Phase Angle Measured	7.54		Normalized	Work in Prog	

Comment: Quantum V record 6



References All equations are from peer review literature that used RJL Systems BIA analyzers

[1] The United States Center for Disease Control (CDC) has an ongoing series of studies called the National Health and Nutrition Examination Survey, or NHANES. The NHANES_III data set contains records for 33,994 individuals, although not all participants took part in every section of the survey. Eliminating all records that do not have BIA data reduces the data pool to 17,660 records of men and women that were used to create the average and variance (standard deviation) of the ranges in this chart, except for body fat where the standards of the American College of Sports Medicine are used for a more ideal fat distribution.

Total Body Water (TBW)

Dual-energy X-ray absorptiometry lean soft tissue hydration:independent contributions of intra- and extracellular water, Marie-Pierre St-Onge, ZiMian Wang, Mary Horlick, Jack Wang, and Steven B. Heymsfield; *Am J Physiol Endocrinol Metab*287: E842-E847, 2004.

Extracellular Water (ECW)

Accuracy of Bioelectrical Impedance Analysis in Estimation of Extracellular Sp Healthy Subjects and in Fluid Retention States Giuseppe Sergi, et. al. *Annals of Nutrition and Metabolism* (1994) 38, 158-165

Disclaimer

The statements made within this body composition application have not been evaluated by the Food and Drug Administration. These statements and the products of RJL Systems are not intended to diagnose, treat, cure or prevent any disease.

RJL Systems

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