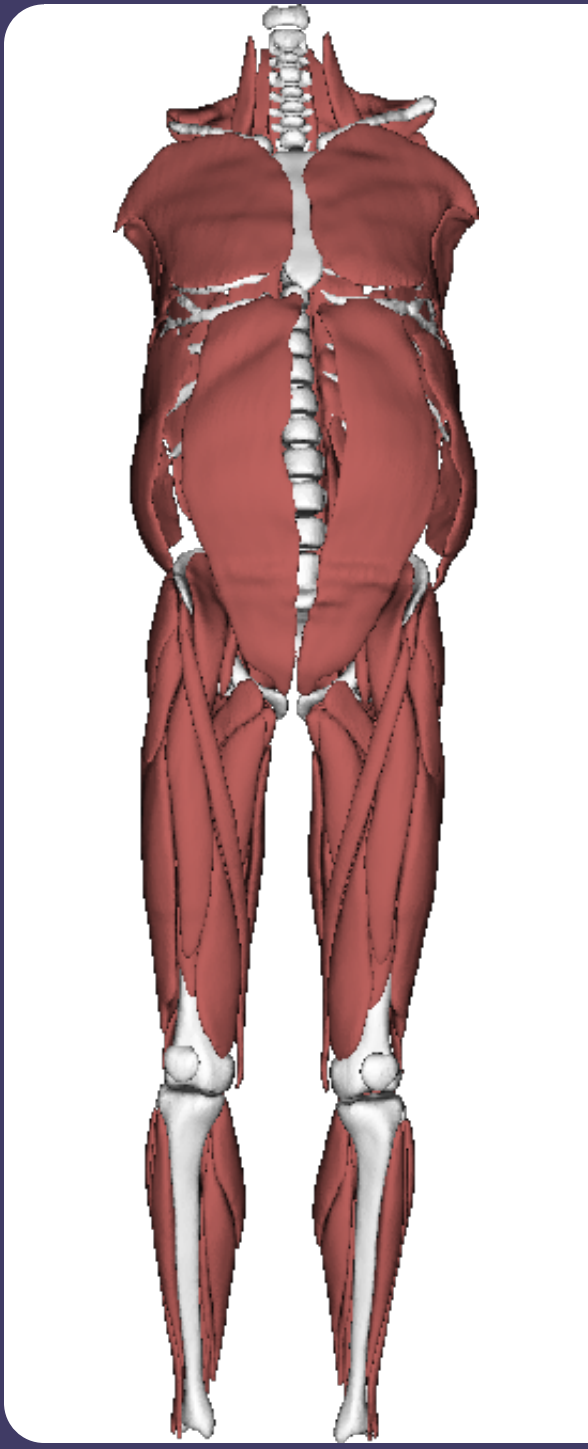
68y Male - High Visceral Fat

Springbok Muscle Analysis: Core
Reference Population: General Population

Jul 1, 2025



To check out this report in 3D, visit app.springbokanalytics.com

This report is an in-depth analysis of the subject's musculature and is for research use only. Not for use in diagnostic procedures.

68y Male - Hi h Visceral Fat

Core Body Composition Profile | Male Ref. Pop.: General Population

7/ 1/ 5

6 1 | 193 l | 68yrs

Quality of Input Data: Exclusions Detected Due to Image Artifact
The following tissue regions were impacted by imaging artifact: Bone, Trunk Muscle, Trunk Intermuscular Fat, Miscellaneous Lean Tissue

Volumes Reported by Region if Applicable: Trunk | Left Leg | Right Leg

Lean Muscle: **N/A | 4.44L | 4.19L**

Intramuscular Fat: **N/A | 0.48L | 0.45L**

Miscellaneous Lean: **N/A**

Other: **7.09L**

Subcutaneous Fat: **12.59L | 5.0L | 4.74L**

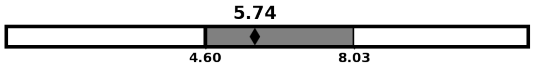
Intermuscular Fat: **N/A | 0.58L | 0.56L**

Visceral Fat: **8.85L**

Bone: **N/A | 0.76L | 0.74L**

Representative slice from 3D MRI data. Visibility of structures may vary based on patient positioning and slice location.

Lean Muscle to **Bone** Ratio (Legs)



Lean Muscle to **Adipose** Ratio (Legs)

Subcutaneous to **Visceral Fat** Ratio

Muscle Metrics

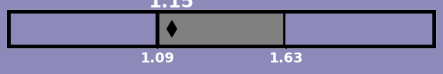
Lean Muscle - Leg Volume (L)

Intramuscular Fat - Leg Volume (L)

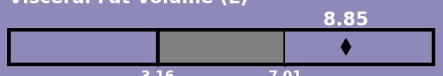
Adipose Metrics

Subcutaneous Fat Volume (L)

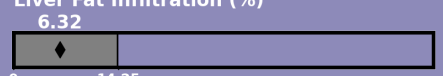
Intermuscular Fat - Leg Volume (L)



Visceral Fat Volume (L)



Liver Fat Infiltration (%)

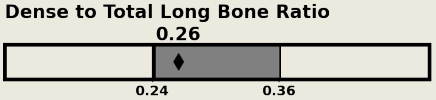


Skeletal Metrics

Long Bone Volume (L)

Long Bone Dense Volume (L)

Dense to Total Long Bone Ratio



DXA Equivalent Values

L. Leg Fat Percent: 34 ± 5%
R. Leg Fat Percent: 34 ± 5%

DXA Equivalent Values

L. Leg BMC: 575 ± 71 g
R. Leg BMC: 580 ± 71 g
L. Leg BMD: 1.34 ± 0.15 g/cm^2
R. Leg BMD: 1.38 ± 0.15 g/cm^2

BMC: Bone Mineral Content
BMD: Bone Mineral Density

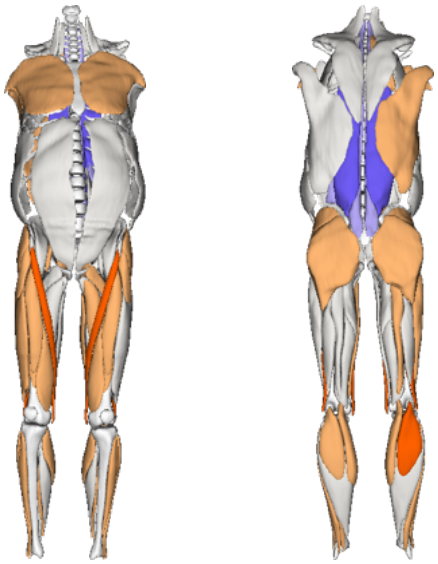
Muscle Health Overview

Size

40

Scores muscle size by comparing a muscle's total volume to the expected norms for a subject's height, mass, and biological sex. Reported on a scale of 0-100, with 50 being the average. Muscles in orange are smaller than expected, and muscles in blue are larger than expected.

Smaller — Larger



High

Trunk Extensors R

Low

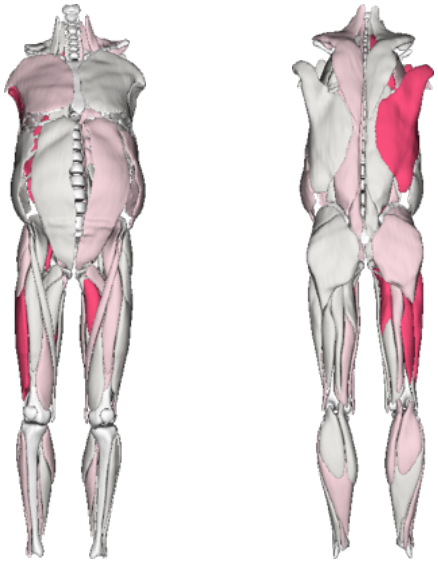
None

Asymmetry

1.5%

Identifies muscle imbalances between limbs, reported as percentage difference of raw volume between limbs. In each muscle pair, the smaller muscle is shaded pink with more significant asymmetries in darker pink shades. The larger muscle is shaded gray.

Larger Muscle | Within Expected — High Asymmetry



Very High

None

High

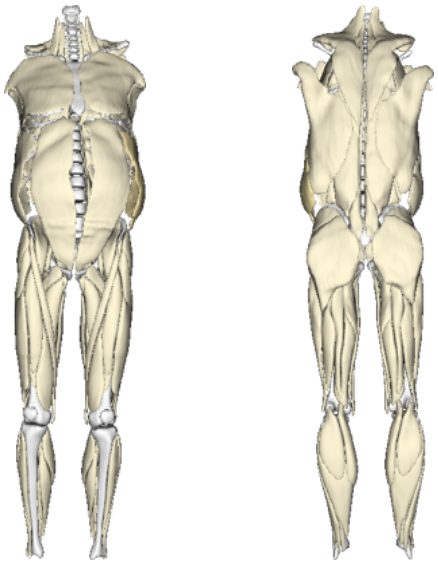
None

Fat Infiltration

14%

Identifies amount of fat inside the muscle boundary, reported as percentage of the total muscle volume. Also commonly referred to as fat fraction.

Within Expected — High



Very High

None

High

None

Muscle Profiles

Muscle Size

L-R Asymmetry

Fat Infiltration

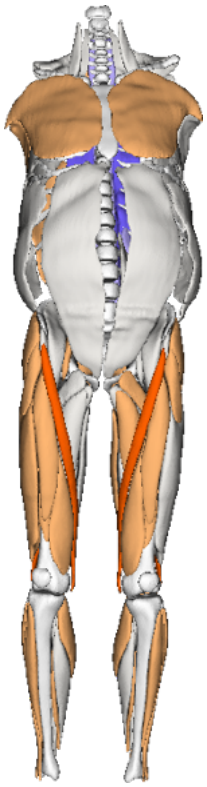
68y Male - High Visceral Fat
Core *Reference Population: General Population*

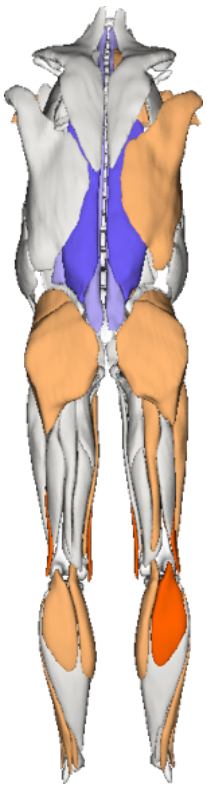
Jul 1, 2025
6ft 1in — 193lb

Muscle Size

Combined: **40**

Group	L	R	Notable
Shoulder 40 - 59	44	41	
Trunk 40 - 59	59	61	
Hip 40 - 59	39	37	
Knee 40 - 59	34	32	
Ankle 40 - 59	36	36	





Smaller — Larger

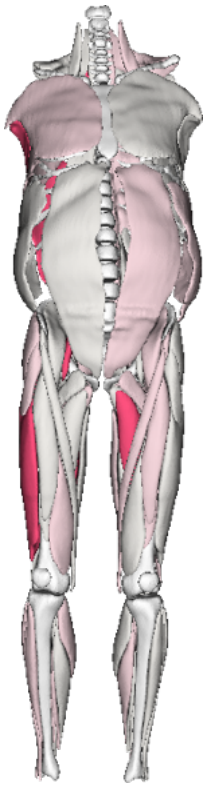
68y Male - High Visceral Fat
Core *Reference Population: General Population*

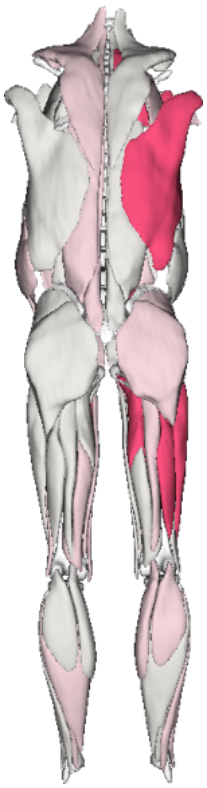
Jul 1, 2025
6ft 1in — 193lb

L-R Asymmetry

Combined: **1.5%**

Group	L		R	Notable
Shoulder 0 - 3.0	1,488.9 ml	**3.9%**	1,377.1 ml	
Trunk 0 - 2.5	1,777.3 ml	**1.1%**	1,816.3 ml	
Hip 0 - 2.1	3,889.3 ml	**1.6%**	3,763.4 ml	
Knee 0 - 2.6	2,485.5 ml	**2.7%**	2,354.0 ml	
Ankle 0 - 3.3	1,334.3 ml	**0.3%**	1,325.5 ml	



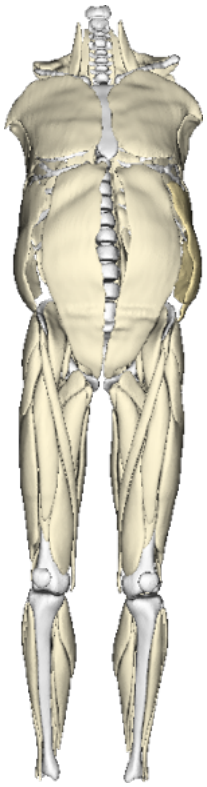


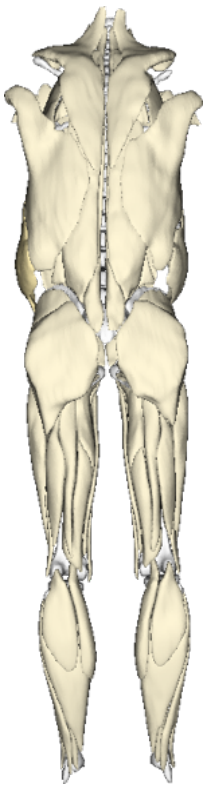
Larger Muscle | Within Expected | High Asymmetry

Fat Infiltration

Combined: **14%**

Group	L	R	Notable
Shoulder 0 - 21	17%	16%	
Trunk 0 - 22	19%	19%	
Hip 0 - 19	14%	15%	
Knee 0 - 16	9%	9%	
Ankle 0 - 17	7%	7%	





Within Expected — High

Muscle Level Metrics

Shoulder - Glenohumeral

Shoulder - Other

Trunk

Hip-Superficial

Hip-Deep

Knee

Ankle

Muscle Level Metrics
Shoulder - Glenohumeral

Size

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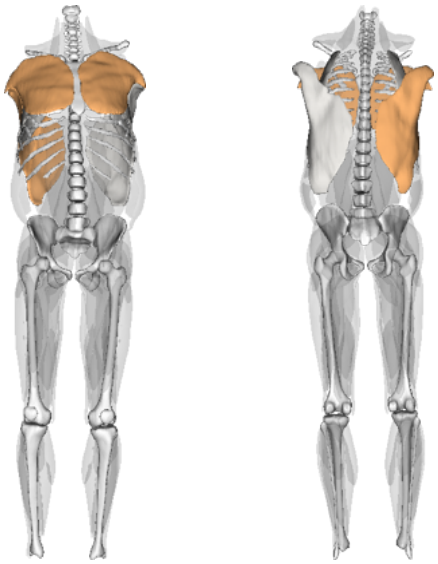
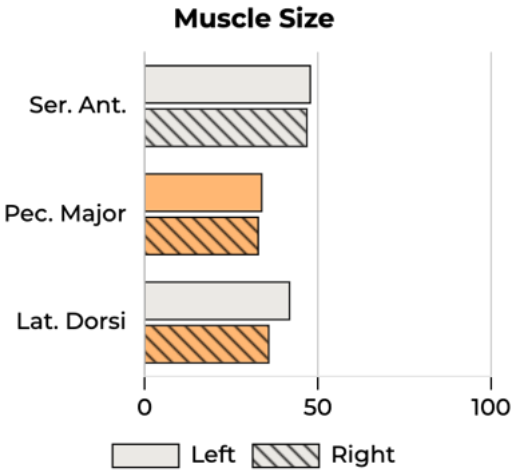
Smaller — Larger

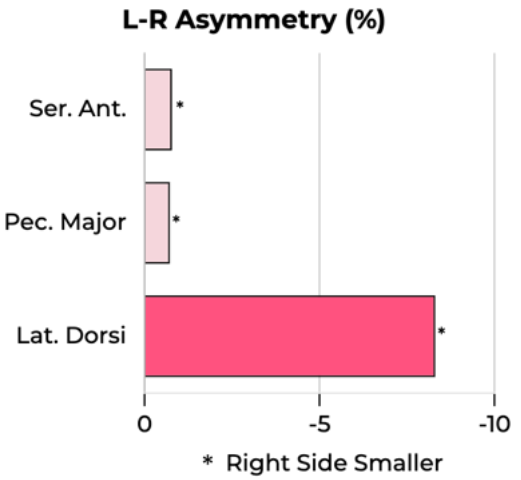




Asymmetry

Identifies muscle imbalances between limbs, reported as percentage difference of raw volume between limbs. In each muscle pair, the smaller muscle is shaded pink with more significant asymmetries in darker pink shades. The larger muscle is shaded gray.

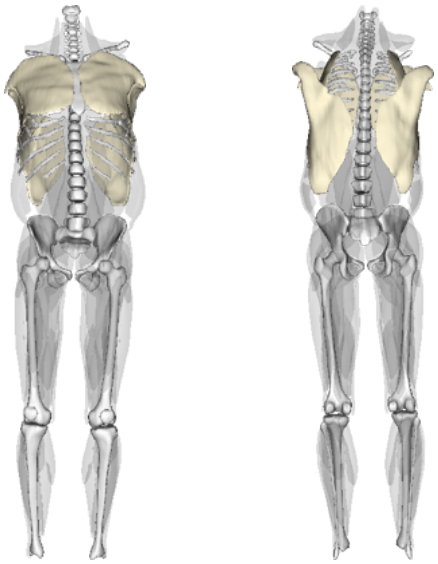
Larger Muscle | Within Expected — High Asymmetry



Fat Infiltration

Identifies amount of fat inside the muscle boundary, reported as percentage of the total muscle volume. Also commonly referred to as fat fraction.

Within Expected — High



Muscle Level Metrics
Shoulder - Other

Size
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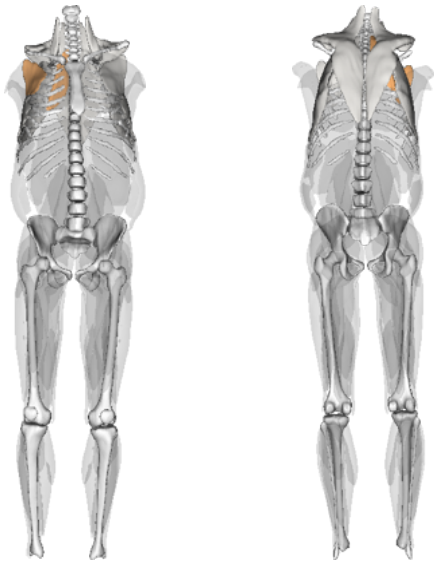

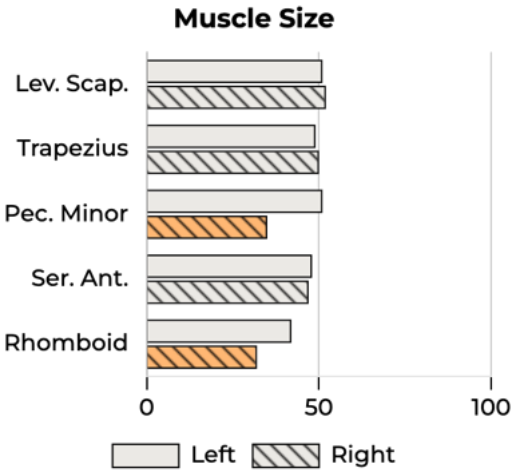

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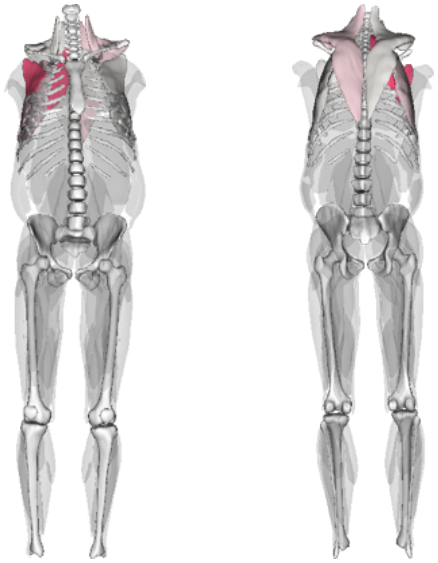
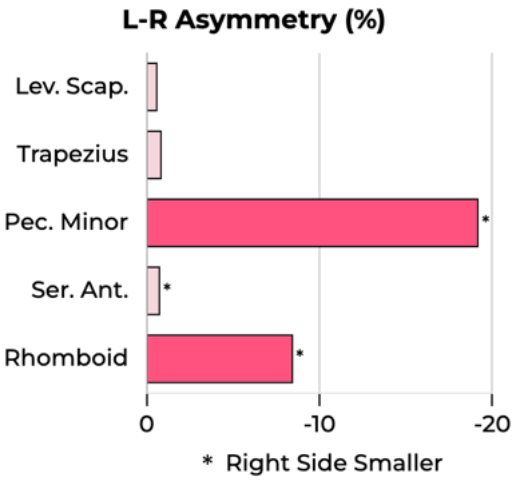
Larger Muscle — Within Expected — High Asymmetry





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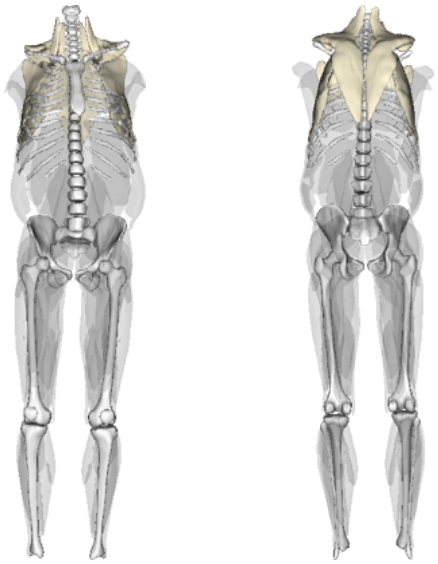
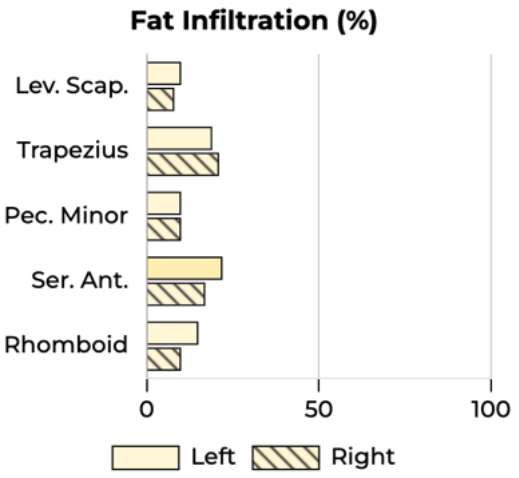
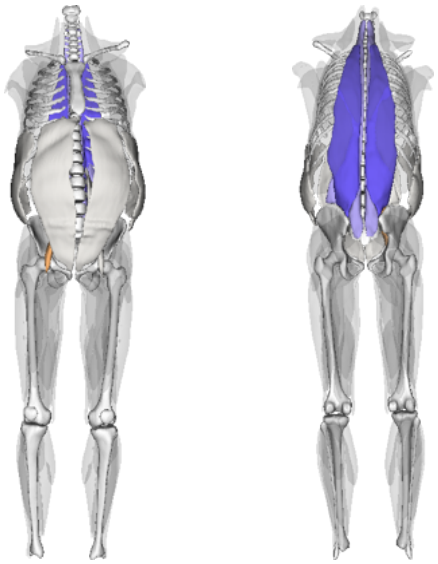


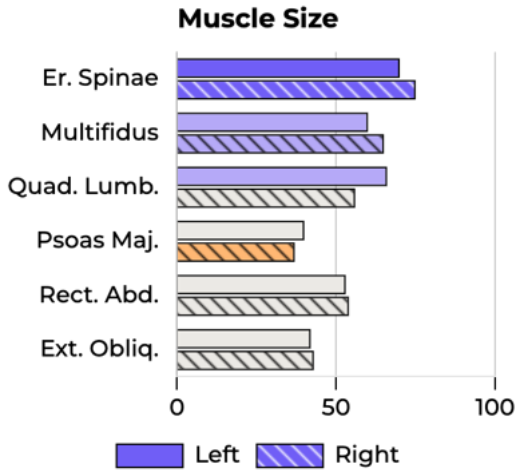


Muscle Level Metrics
Trunk

Size
Scores muscle size by comparing a muscle's total volume to the expected norms for a subject's height, mass, and biological sex. Reported on a scale of 0-100, with 50 being the average. Muscles in orange are smaller than expected, and muscles in blue are larger than expected.

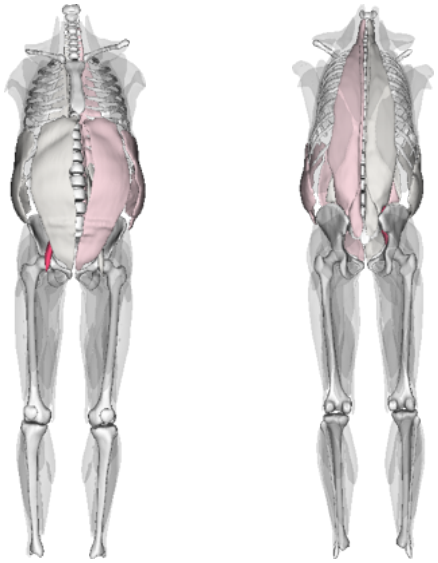
Smaller — Larger

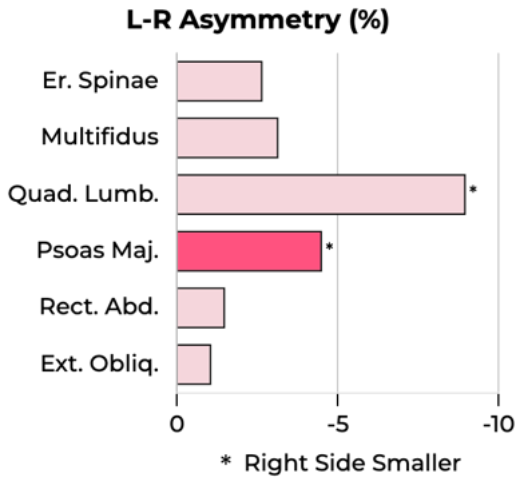




Asymmetry
Identifies muscle imbalances between limbs, reported as percentage difference of raw volume between limbs. In each muscle pair, the smaller muscle is shaded pink with more significant asymmetries in darker pink shades. The larger muscle is shaded gray.

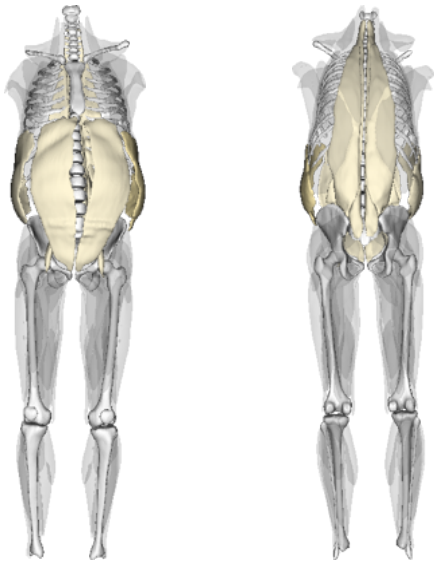
Larger Muscle — Within Expected — High Asymmetry

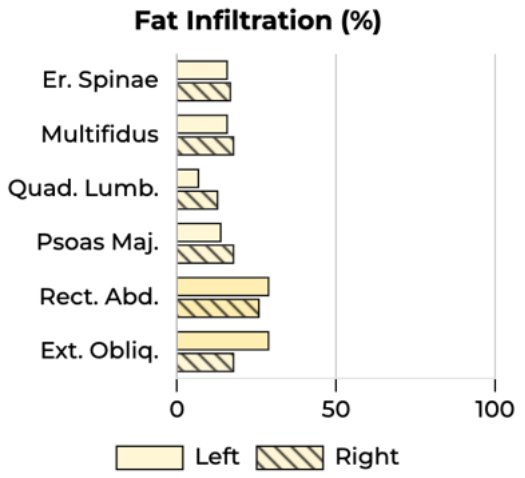




Fat Infiltration
Identifies amount of fat inside the muscle boundary, reported as percentage of the total muscle volume. Also commonly referred to as fat fraction.

Within Expected — High





Muscle Level Metrics
Hip-Superficial

Size

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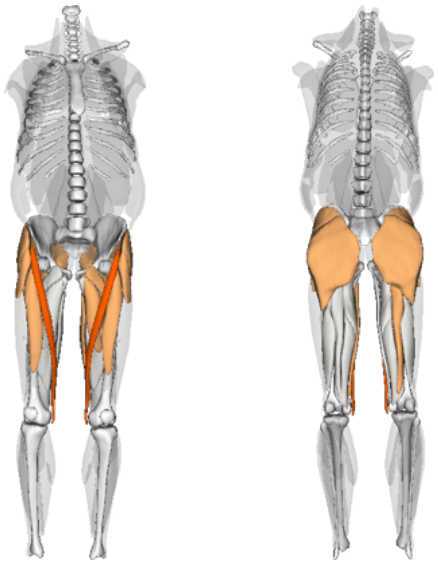

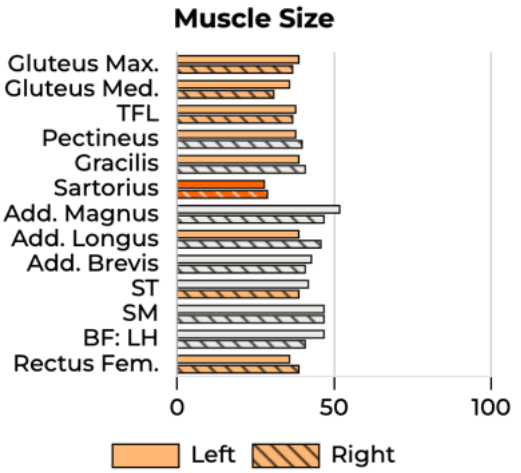

Asymmetry

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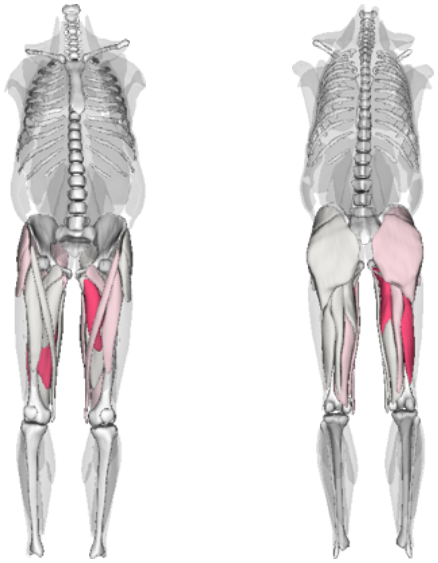
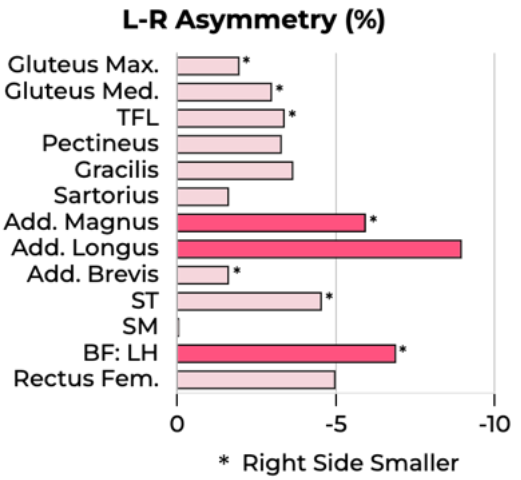
Larger Muscle — Within Expected — High Asymmetry





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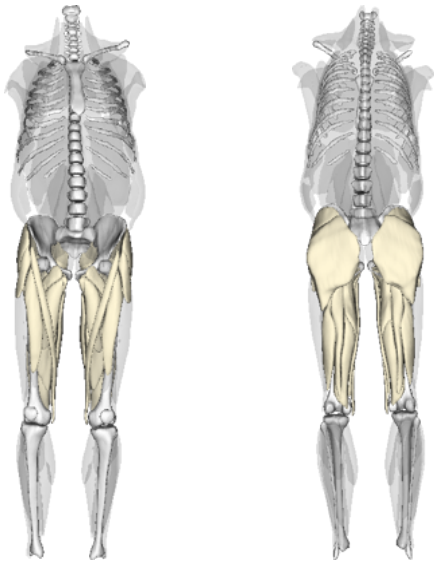
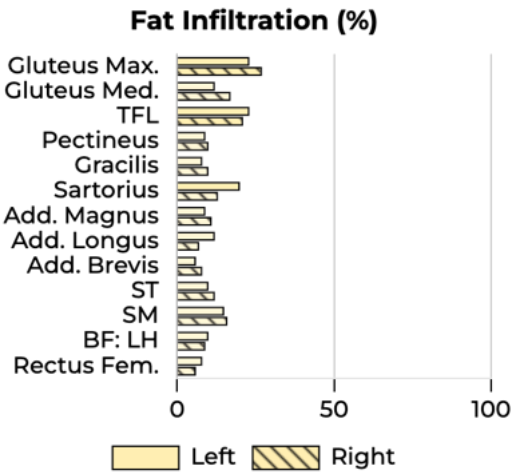
Within Expected — High





Muscle Level Metrics
Hip-Deep

Size

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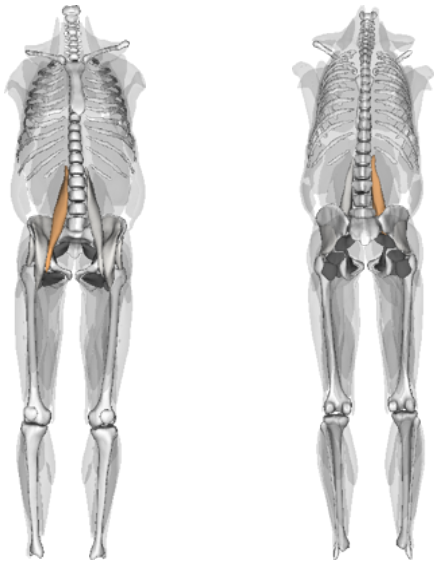

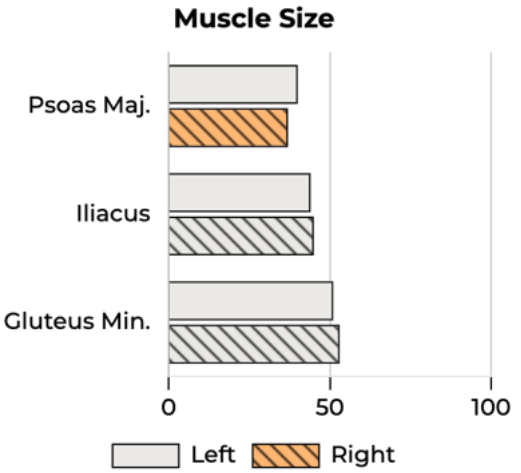

Asymmetry

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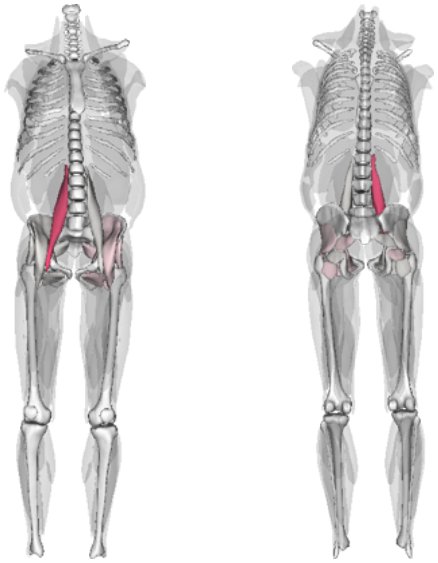
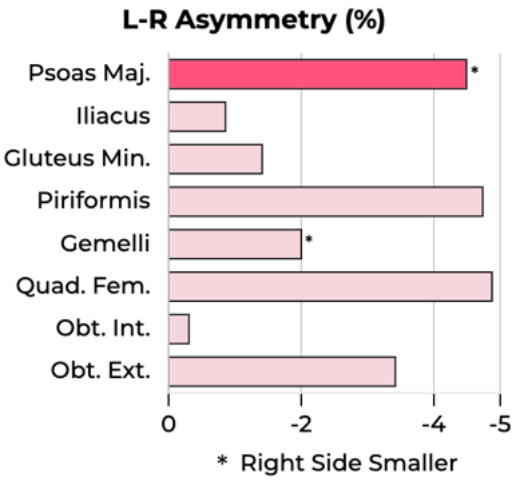
Larger Muscle — Within Expected — High Asymmetry





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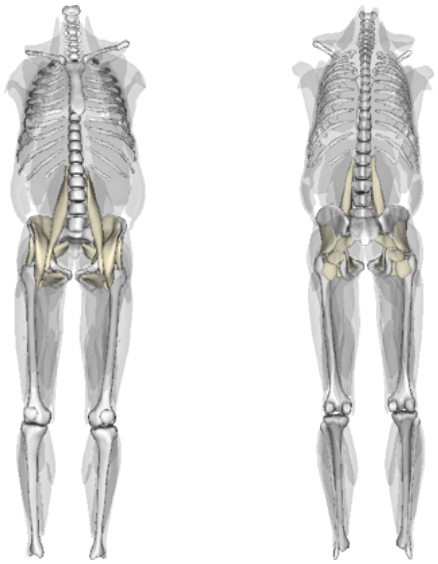
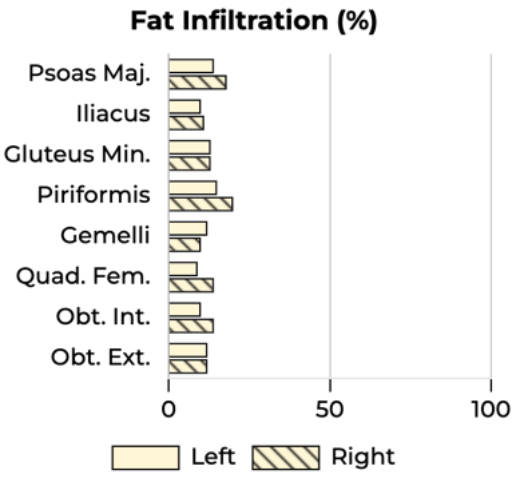
Within Expected — High





Muscle Level Metrics
Knee

Size
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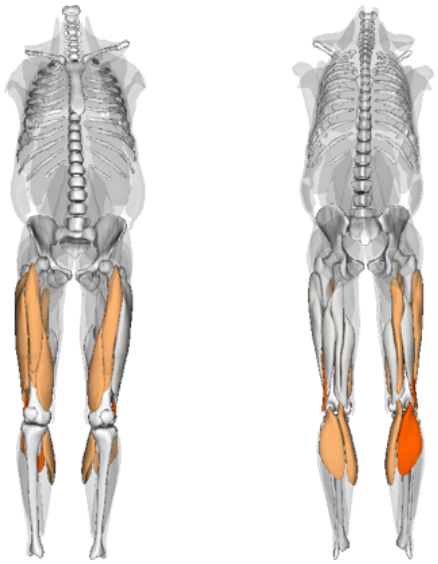
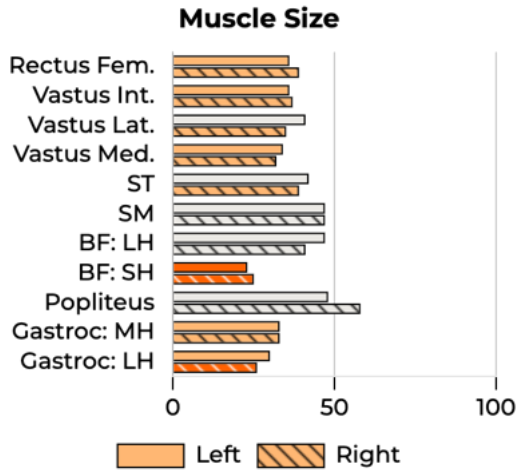
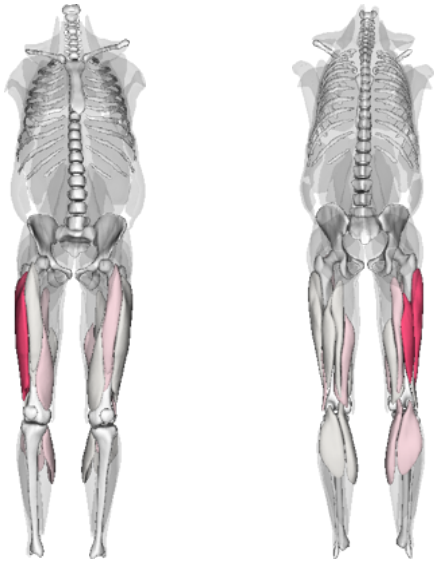
Smaller — Larger

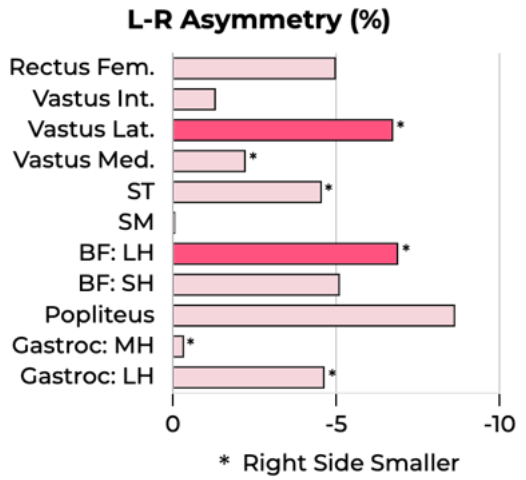




Asymmetry
Identifies muscle imbalances between limbs, reported as percentage difference of raw volume between limbs. In each muscle pair, the smaller muscle is shaded pink with more significant asymmetries in darker pink shades. The larger muscle is shaded gray.

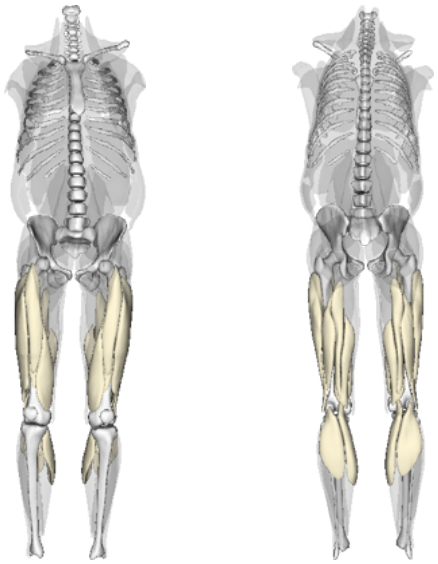
Larger Muscle — Within Expected — High Asymmetry

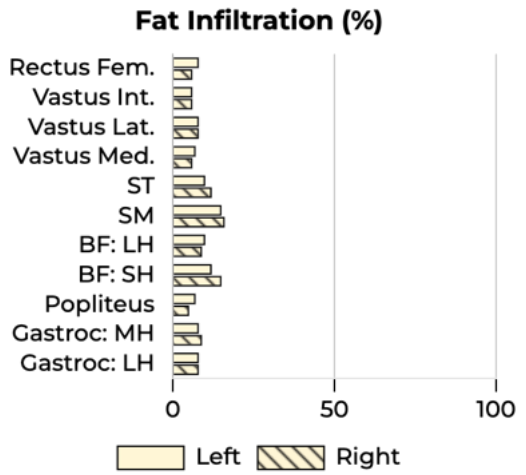




Fat Infiltration
Identifies amount of fat inside the muscle boundary, reported as percentage of the total muscle volume. Also commonly referred to as fat fraction.

Within Expected — High

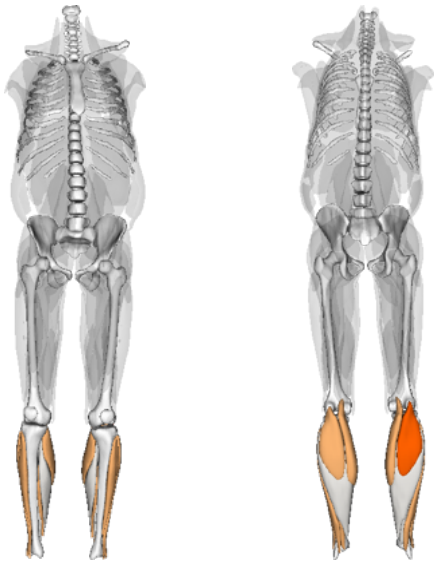


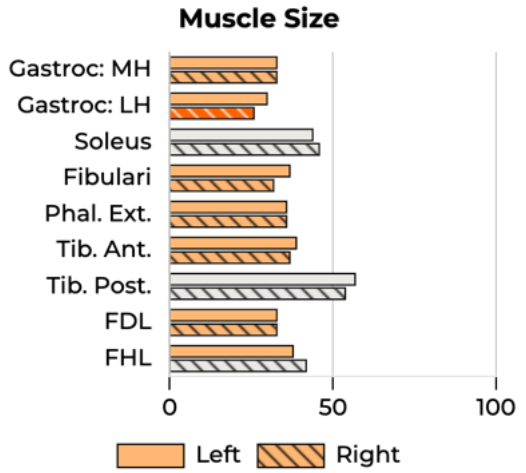


Muscle Level Metrics
Ankle

Size
Scores muscle size by comparing a muscle's total volume to the expected norms for a subject's height, mass, and biological sex. Reported on a scale of 0-100, with 50 being the average. Muscles in orange are smaller than expected, and muscles in blue are larger than expected.

Smaller — Larger





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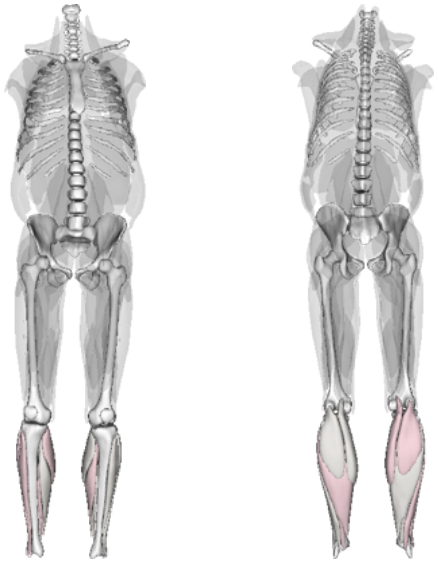
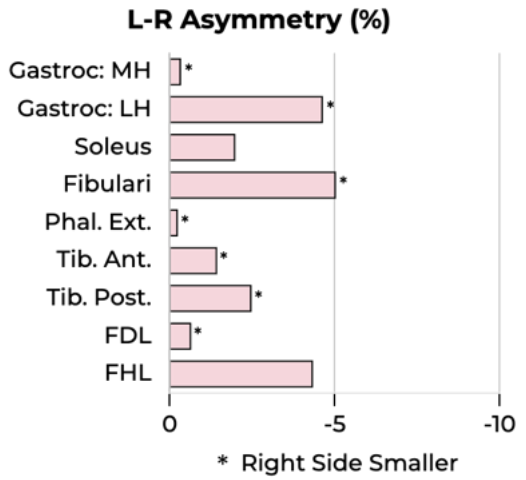
Larger Muscle — Within Expected — High Asymmetry





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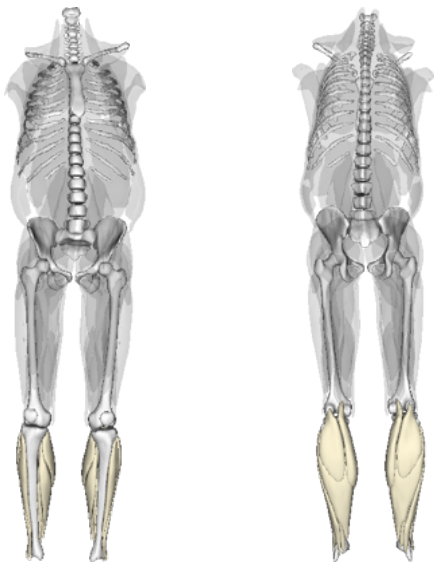
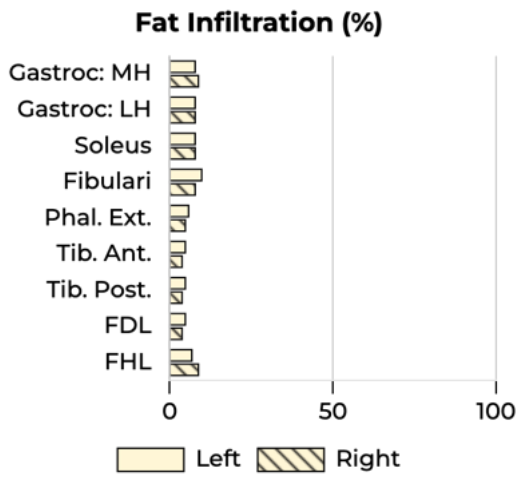
Within Expected — High





68y Male - High Visceral Fat

Springbok Muscle Analysis: Core
Reference Population: General Population

Jul 1, 2025

For an interactive and in-depth view of your study, visit:

app.springbokanalytics.com

- Interactive data presentation
- Comprehensive muscle level metrics
- Study comparison mode
- Raw data export