**Supplemental Digital Content 1**

**Sweat Mapping: Anthropometric Measurements and Pad Calculations**

UPPER BODY/TORSO

**Anatomical Measurement Descriptions**

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**Anterior and Posterior Torso Width Calculations for Absorbent Pads**

Anterior upper width = upper circumference\*0.32

Anterior mid width = mid-upper circumference\*0.37

Anterior lower width = lower circumference\*0.4

Posterior upper width = upper circumference\*0.4

Posterior mid-upper width = mid-upper circumference\*0.43

Posterior mid-lower width = mid-lower circumference\*0.37

Posterior lower width = lower circumference\*0.38

**Absorbent Pad Calculations**

**Note:** Bra pads were pre-sized to fit based on bra cup size. These pad calculations are not included.

**Right and left shoulder**

Width: biacromial diameter\*0.32

Medial side: upper arm circumference\*0.54

Lateral side: arm circumference\*0.81

Anterior/posterior side: biacromial diameter\*0.12

**Right and left anterior upper**

Lateral height: upper body length \* 0.18

Medial height: upper body length \* 0.22

Width: upper circumference \* 0.14

**Right, left, and centre anterior mid**

Height: upper body length \* 0.34

Upper width: anterior mid with/3

Lower width: anterior lower width/3

**Right and left side**

Height: upper body length \* 0.55

Upper width: upper circumference \* 0.07

Lower width: lower circumference \* 0.09

**Anterior lower**

Height: upper body length \* 0.10

Width: equal to anterior lower width

**Right and left posterior upper**

Medial height: upper body length\*0.38

Lateral height: upper body length\*0.31

Upper width: no ‘upper side’ but width is same as centre pos upper

Lower width: posterior mid-upper width/3

**Centre posterior upper**

Height: upper body length\*0.38

Upper width: posterior upper width/3

Lower width: posterior mid-upper width/3

**Right and left posterior mid-upper**

Height: center posterior mid pad height/2

Upper width: posterior mid-upper width/3

Lower width: posterior mid-lower width/3

**Right and left posterior mid lower**

Height: centre posterior mid pad height/2

Upper width: posterior mid-lower width/3

Lower width: posterior lower width/3

**Centre posterior mid**

Height: upper body length\*0.34

Upper width: posterior mid-upper width/3

Lower width: posterior lower width/3

**Posterior lower**

Height: upper body length\*0.10

Width: equal to posterior lower width

LEGS

**Anatomical Measurement Descriptions**



**Absorbent Pad Calculations**

**Right and left upper leg pads: anterior/posterior/medial/lateral**

Height: right/left leg length\*0.6

Upper width: right/left upper circumference/4

Mid width: right/left mid circumference/4

Lower width: right/left lower width/4

**Right and left anterior lower leg pads: medial/lateral**

Height: equal to right/left lower leg length

Upper width: right/left lower leg anterior upper width/2

Mid width: right/left lower leg anterior mid width/2

Lower width: right/left lower leg anterior width/2

**Right and left posterior lower leg**

Height: equal to right/left lower leg length

Upper width: right/left lower leg posterior upper width

Mid width: right/left lower leg posterior mid width

Lower width: right/left lower leg posterior lower width

ARMS, HANDS, BUTTOCKS AND FEET

**Anatomical Measurement Descriptions**



**Absorbent Pad Calculations**

**Right and left upper arm pads: anterior and posterior**

Height: right/left upper arm height\*0.7

Upper width: right/left upper arm upper circumference/2

Mid width: right/left upper arm mid circumference/2

Lower width: right/left upper arm lower circumference/2

**Right and left lower arm pads: anterior and posterior**

Height: equal to right/left lower arm length

Upper width: right/left lower arm upper circumference/2

Mid width: right/left lower arm mid circumference/2

Lower width: right left lower arm lower circumference/2

**Right and left medial ankle**

Height: right/left medial ankle height\*0.6

Width: right/left ankle circumference/2

**Right and left lateral ankle**

Height: right/left lateral ankle height\*0.6

Width: right/left ankle circumference/2

**Right and Left buttocks**

Height: upper body length\*0.26

Width: circumference at anterior superior iliac spine\*0.18