

	UNDER	NORMAL	OVER	
Height				20%
Muscle				170%
Fat				520%

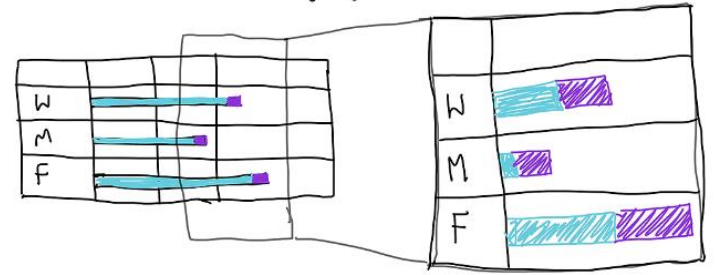
Can you have too much muscle?

100 Horse (gradient)



You want more muscle than fat making up your body mass...  
Key is muscle to fat ratio...

① Could zoom in to highlight small changes?

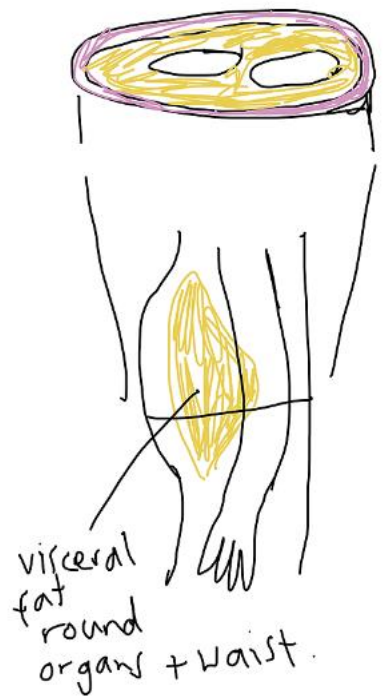
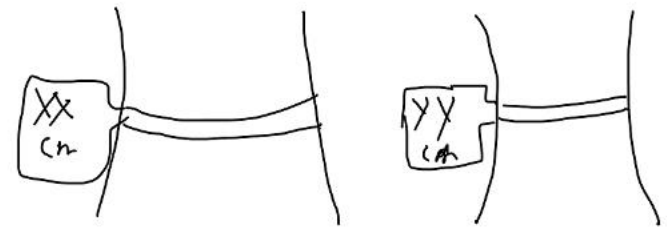
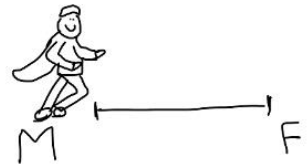


② Could focus on fat: muscle in isolation?

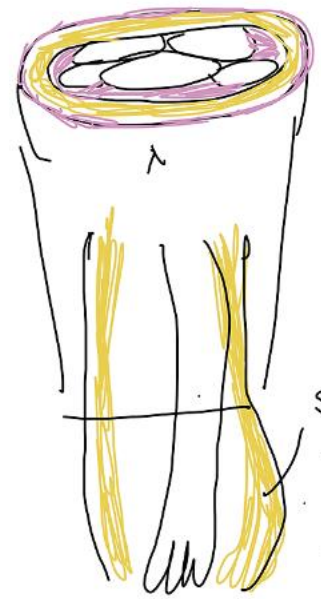


Problem is "equal" isn't what the goal is...

-Bit like a race? You want to close the gap... or have muscle overtake fat...



visceral fat round organs + waist.

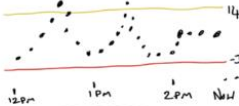


subcutaneous fat... under skin and all over body

Cross section

**What was the data recorded?**

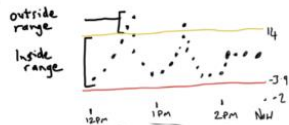
You might remember seeing the glucose curves on your CGM screen as the dotted lines. Here is some data from one of your days:



This showed us your blood sugar levels in real time over the intervention and pre-intervention period.

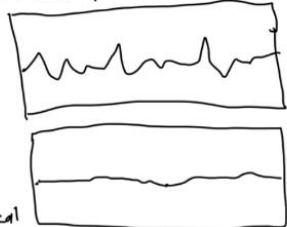
**Why did we record it?** → consistent

We recorded this to monitor your blood glucose control over the day. We wanted to see your time in your target range and how far outside your target your glucose went on average.



**What does my data show?**

These are your average CGM readings before and during the intervention.



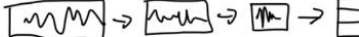
You will see that your values fluctuated. 50% of your values during the pre study were in this period and less after. Your highest and lowest values were higher during the study than after.

We want these to be as small as possible.

These were your highest and lowest values at these times.

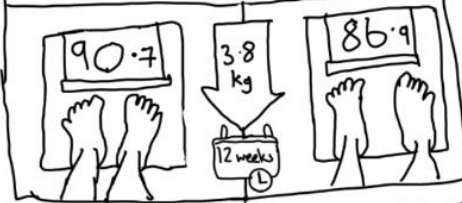
**Why should I care?**

Smaller fluctuations in blood sugar show your body is better at processing glucose. The overall time in range indicates how likely you are to have complications from high blood sugar. Your time in ranges were XX% pre study and XX% post study.



This means the intervention may have XX% your blood control.

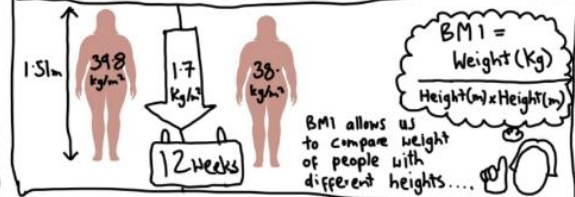
We measured your weight before and after the intervention...



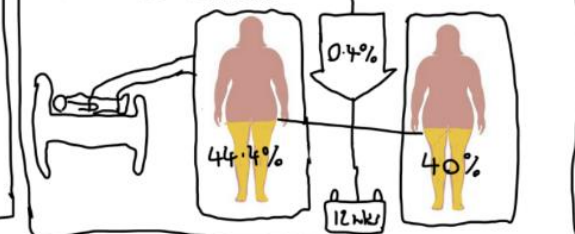
This means you could benefit from continuing to lose weight but doesn't tell the whole story...

... we also wanted to see if you lost **Fat** or **Muscle**.  
... losing fat while maintaining muscle is favourable metabolically

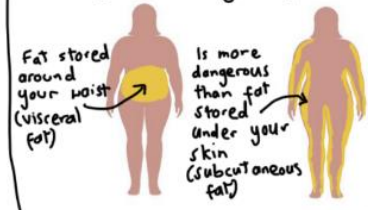
Since you are 1.51m tall this means your BMI decreased by 1.7 kg/m<sup>2</sup>



The BIA test showed...



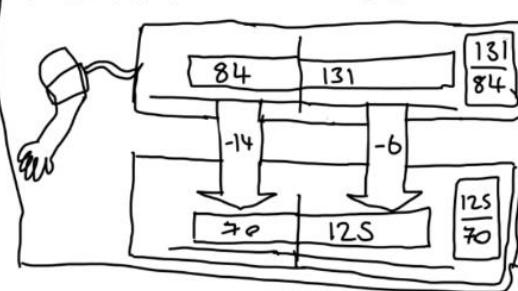
But... we also wanted to see where you store your fat...



So we measured your waist and % visceral fat



Changes in weight and fat mass often cause changes in blood pressure... so we also measured this...



Reducing your blood pressure reduces your risk of

♥ Heart disease  
🧠 stroke  
and other complications.  
One way to achieve this is via weight loss...