



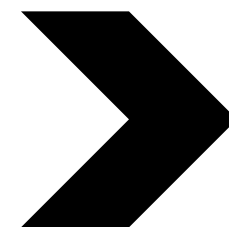
WORLD CONFERENCE ON  
DROWNING PREVENTION



# Every Body Floats

Individuals of African, Caribbean and Asian heritage  
*‘Find Their Float’*

Black Swimming Association (BSA), University of Portsmouth and  
Royal National Lifeboat Institution (RNLI.)



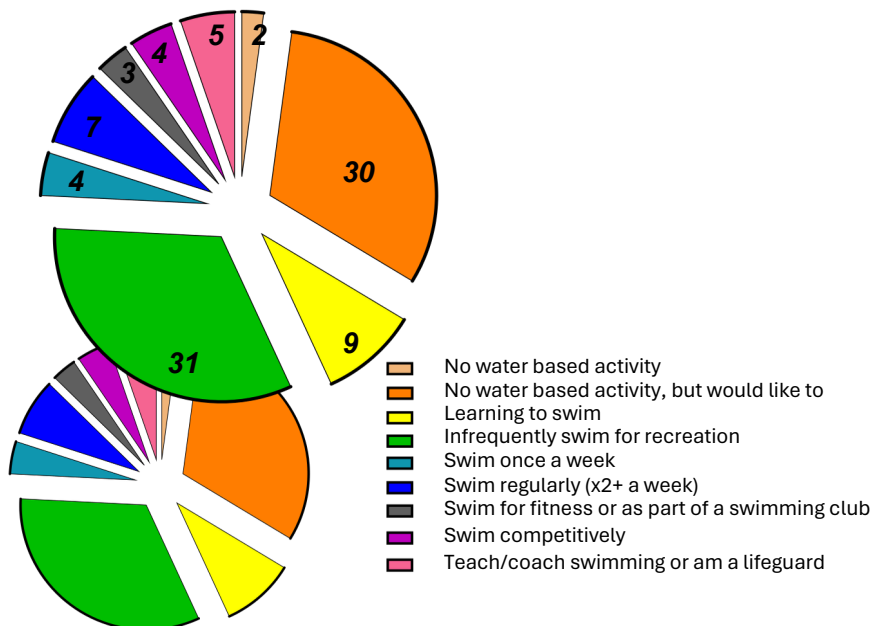
# PARTICIPANTS

Attended data collection  
session N=101

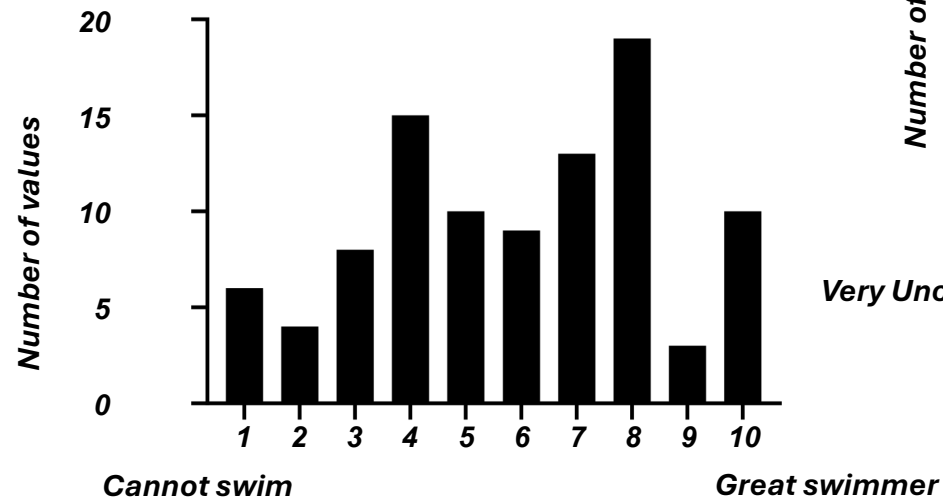
5 - Improved float technique but not comfortable to float in deep water

Data analysed N = 96	African & Caribbean	Asian	Mixed
	47	24	25

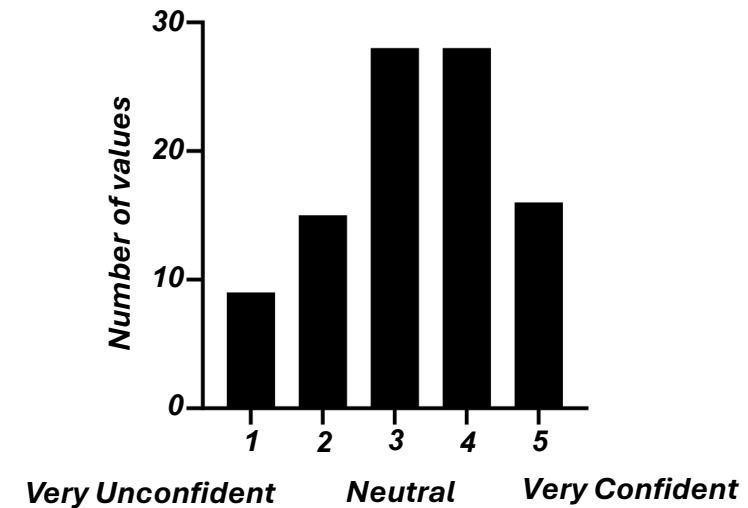
## Current participation



## Self-reported swimming capability



## Float confidence



# METHODS

## FLOAT

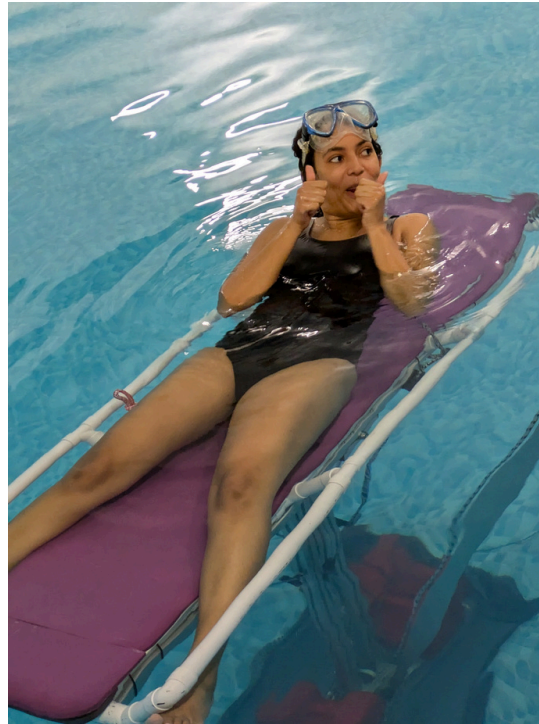
Post float  
perceptions

Filmed  
2 min float

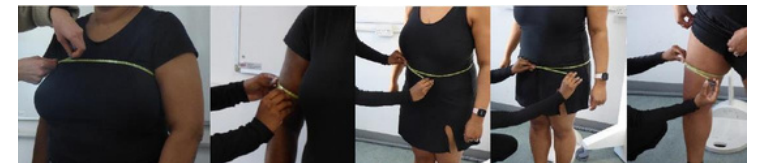
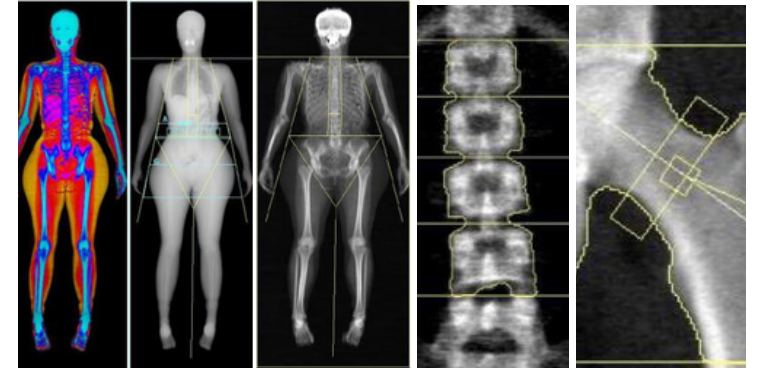
Heart rate &  
RPE

Instruction, Practice, Support

## BUOYANCY



## BODY MEASUREMENTS



**BMI, Waist:Hip ratio,  
Relative fat equation**

# RESULTS

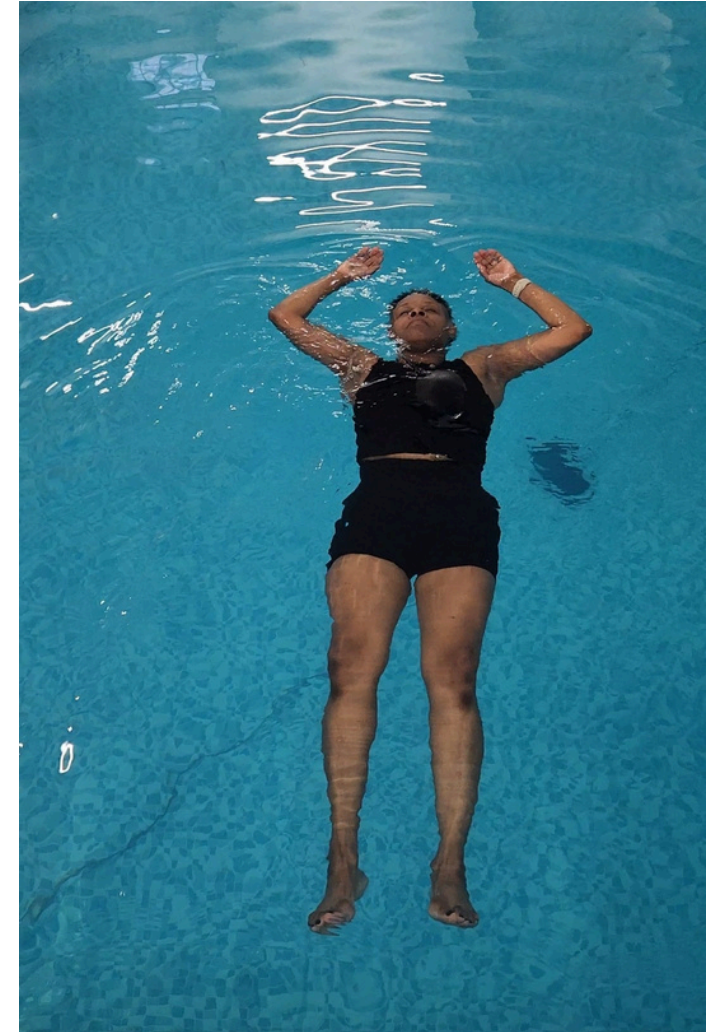
**89 participants successfully floated**

**Passive float:** 45 female, 14 male

**Active float:** 8 female, 29 male

*\***Passive float:** Floats with little or no movement*

*\***Active float:** Requires movement or activity to stay a float*



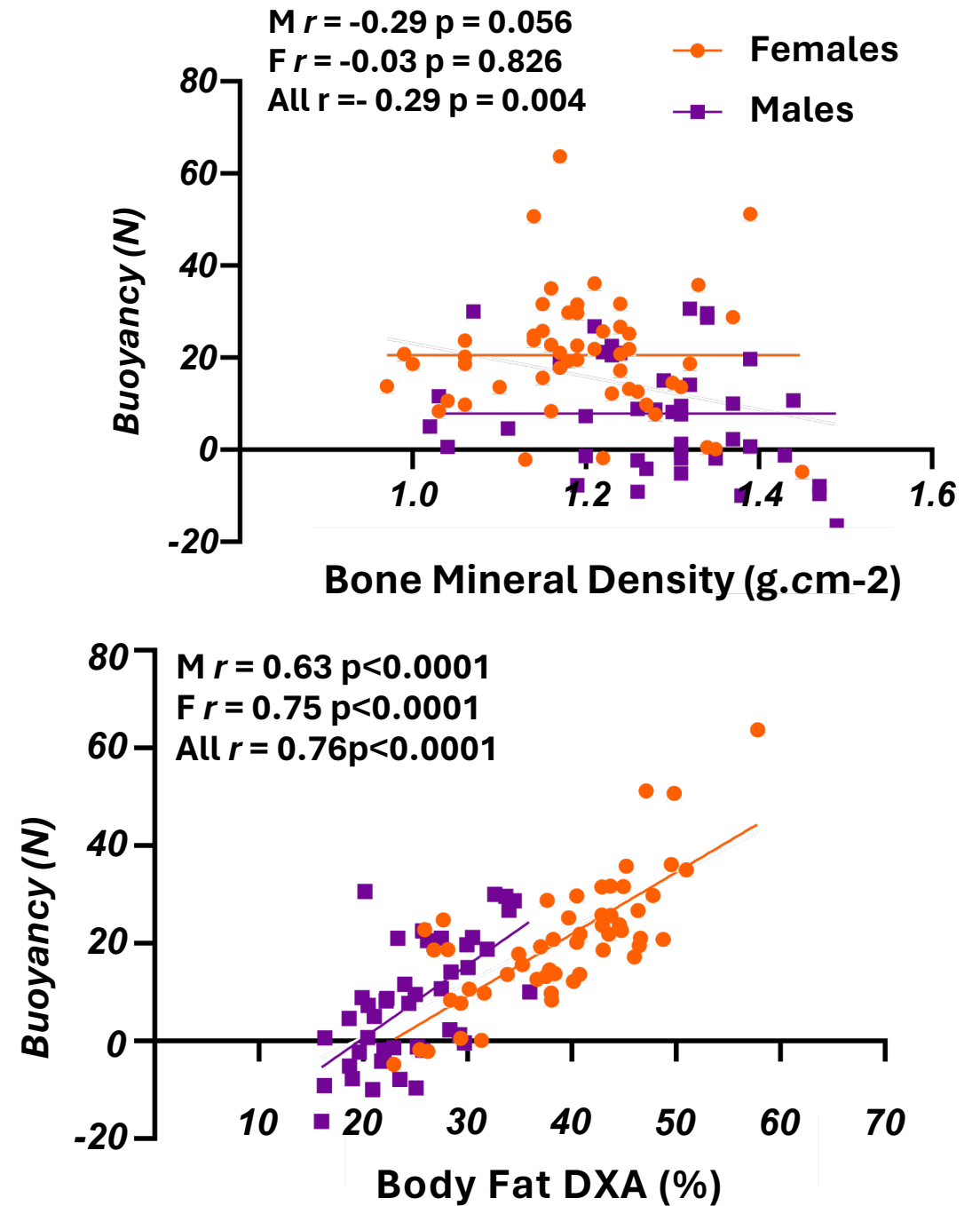
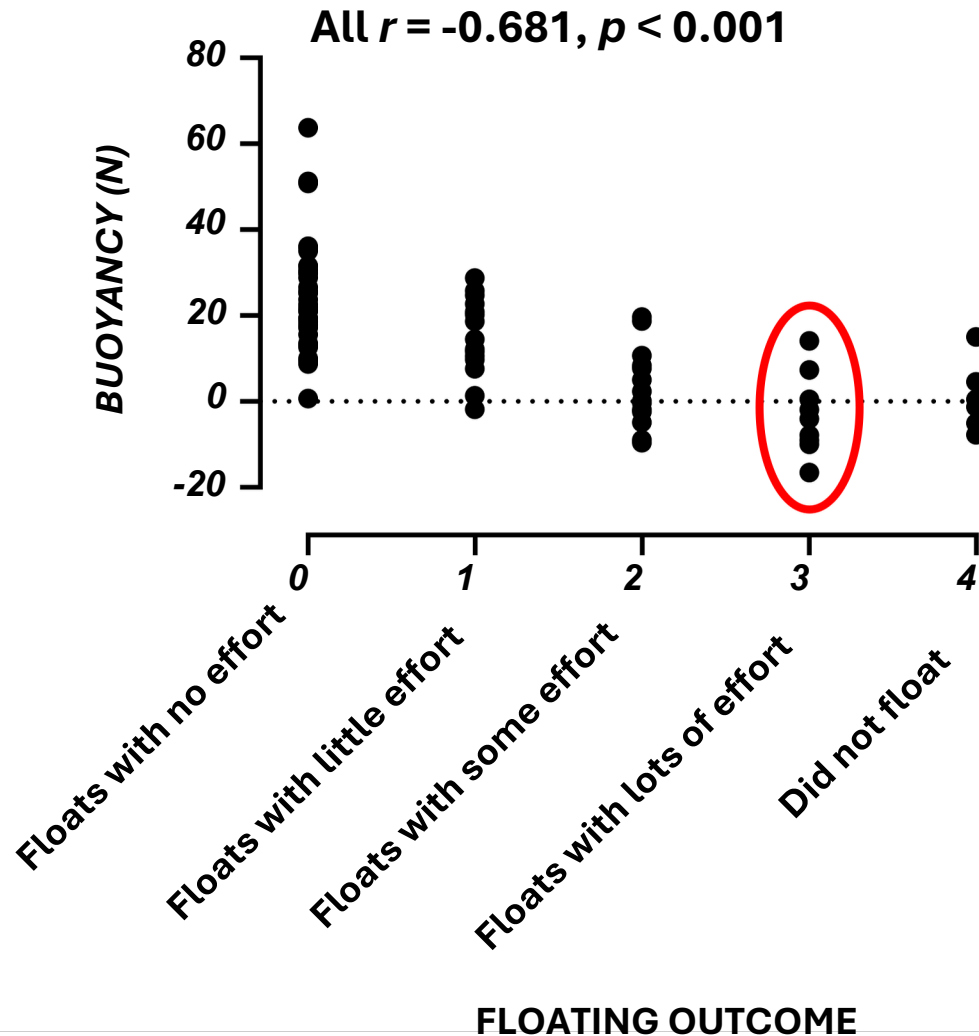
# RESULTS

	Did not float	Males that did float	
n	7; 0 f, 7 m	36	
BMI (kg.m <sup>-2</sup> )	21.2 (16.7-25.4)	26.6 (17.4-35.3)	<b>1 person lower than floaters</b>  <b>Within range</b>
BF(DXA) (%)	20.9 (16.3-30.1)	25.5 (16.0-36.0)	
Lean Mass(DXA) (kg)	49.6 (41.60-53.34)	61.6 (37.7-85.4)	
BMD <sup>(DXA)</sup> (g.cm <sup>-2</sup> )	1.18 (1.03-1.31)	1.29 (1.02-1.5)	
Buoyancy (N)	1.0 (-7.7-15.0)	9.6 (-16.5-30.6)	
Heart rate (bpm)	103 (89-130)	106 (67-158)	<b>Within range</b>
Rate of perceived exertion	4 (2-7)	3 (0-6)	<b>1 person above the range</b>
Float trunk angle (°)	52.8 (44.2-69.3)	53.0 (16.6-84.8)	<b>Within range</b>

**No anthropometric reason preventing floating**

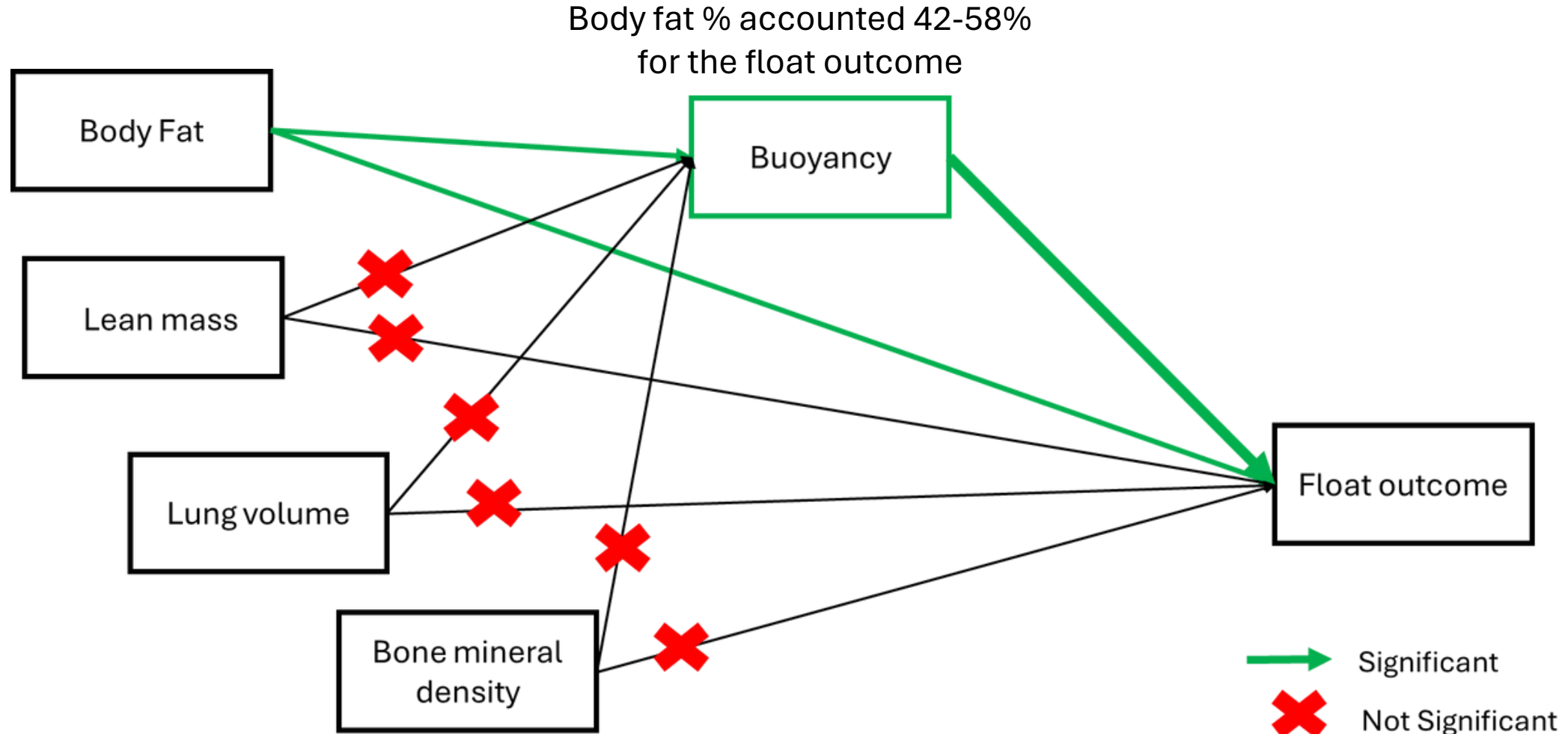
BMI = Body Mass Index, BF = Body fat, DXA = DEXA, RFE = Relative Fat Equation,  
BIA = Bioelectrical Impedance, BMD = Bone mineral density.

# RESULTS



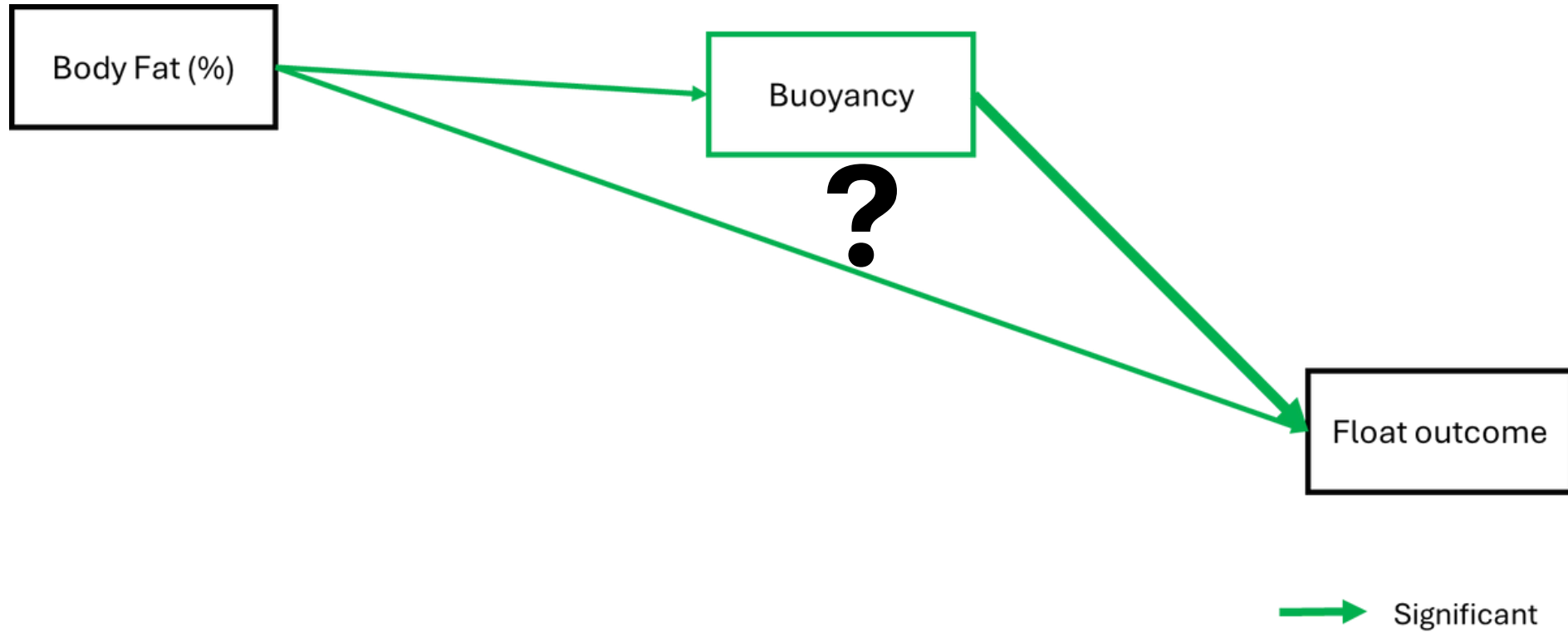


# RESULTS



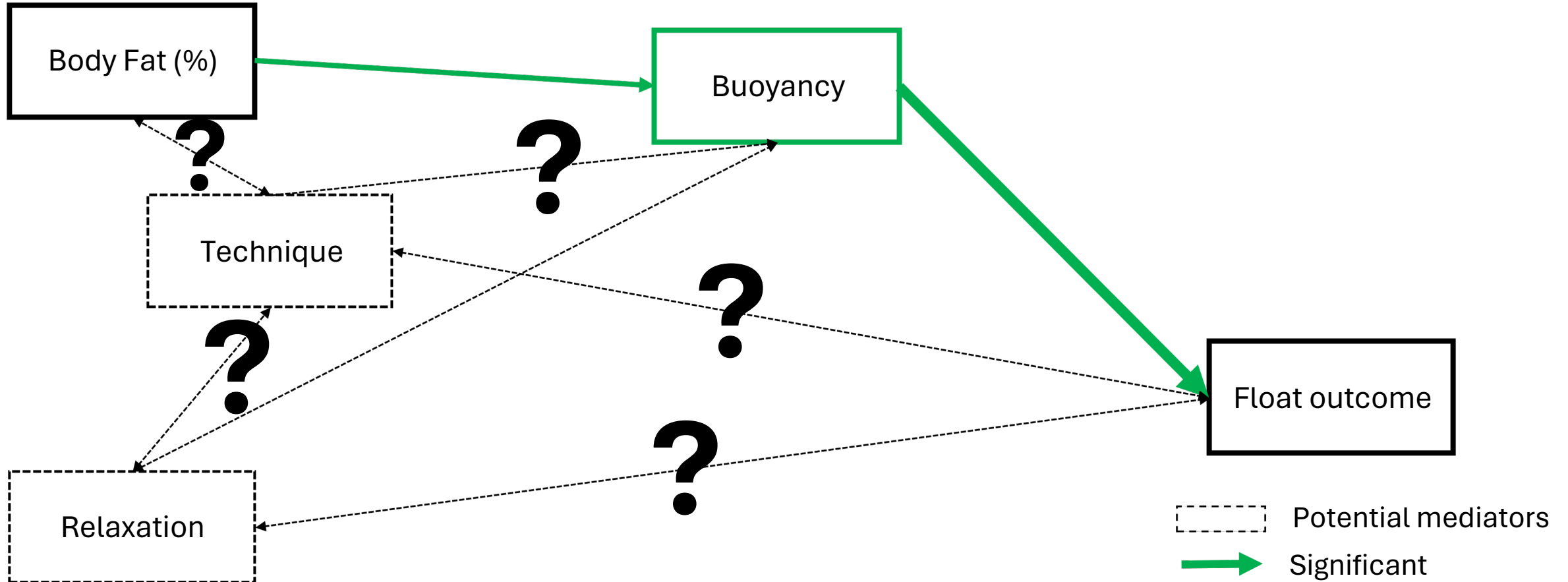
# RESULTS

Body fat % accounted 42-58%  
for the float outcome





# RESULTS



# KEY PRELIMINARY FINDINGS

- Individuals of African, Caribbean and Asian heritage can float
- No anthropometric reason preventing floating
  - BMD was not associated with float outcome (e.g. effort required to stay afloat)
  - \*Body fat % positivity contributed to float outcome
- Relaxation, floating technique and practice contribute to float competence

*\*Although body fat percentage is considered a factor that can determine floating, the results showed that floating ability to float is not solely dependent body fat percentage.*

# OUR CALL TO ACTION

“You have seen the science, but science does not save lives unless we act on it. This research shows something decisive:

**There is no physiological barrier preventing anyone from floating.**

**The limitation was never the body - it was the story.**

**And now that the story has changed, what we do next must change with it.**

*Finding Your Float* is not just a technique: It is the first breath, the first moment of calm, the first chance a person has to orient themselves instead of panic. In the minute where most drownings occur, *Finding Your Float* is the bridge between fear and survival. This evidence now calls all of us forward.”

# OUR CALL TO ACTION

## **To practitioners:**

Teach presence before propulsion. Floating, breath control, and orientation are not add-ons, they are foundational.

## **To policymakers:**

Water safety must begin with stillness, not strokes. *Finding Your Float* belongs in the national curriculum.

## **To lifesaving organisations:**

Your Float To Live message now has culturally relevant scientific backing; Use it. Amplify it. Adapt it.

## **To the community and the public:**

Every body floats. Your body can float. Your children's bodies can float. Water is not something you stand apart from, it is something you can belong to - safely.

This research ends a myth, and **implementing change is our shared responsibility.**





THANK YOU

