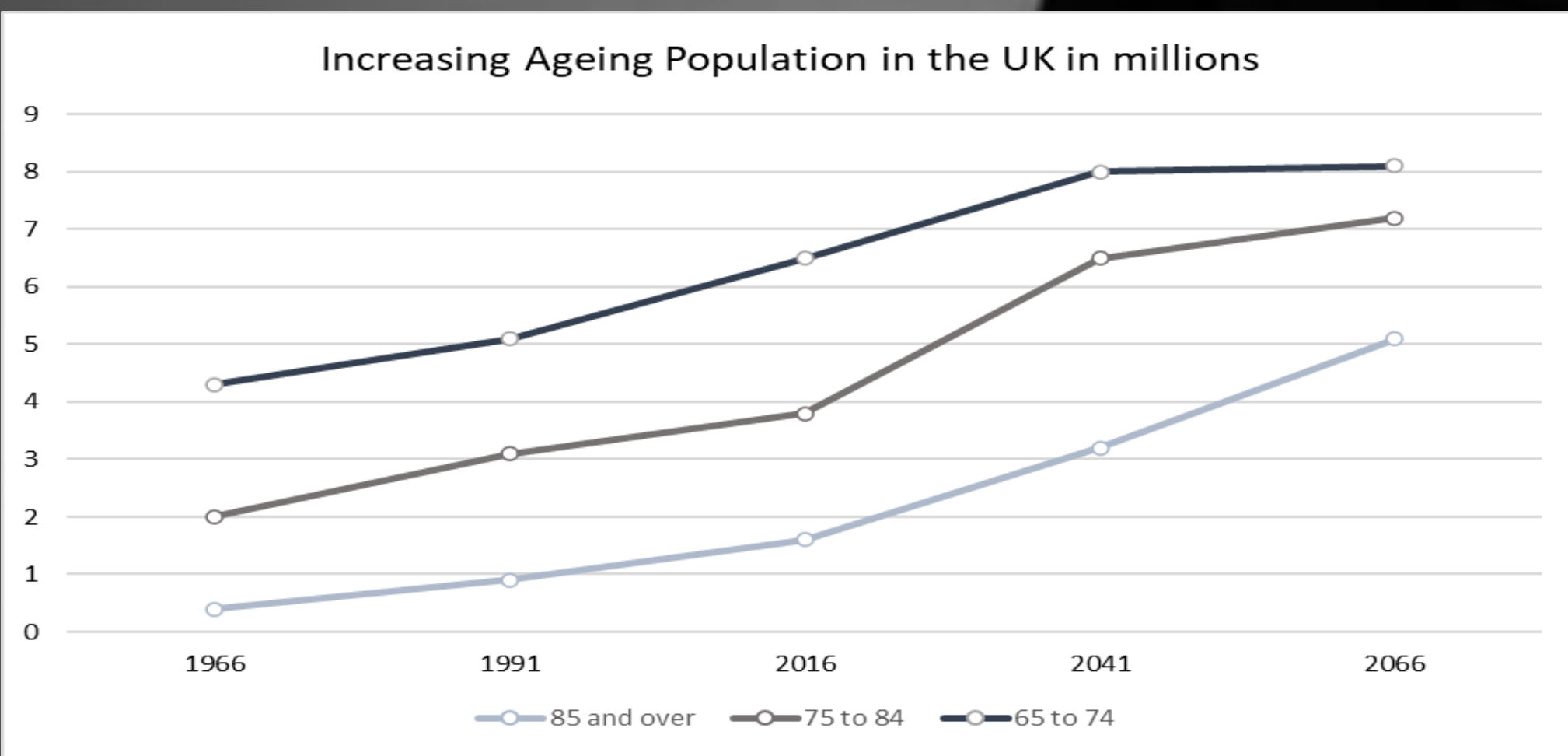


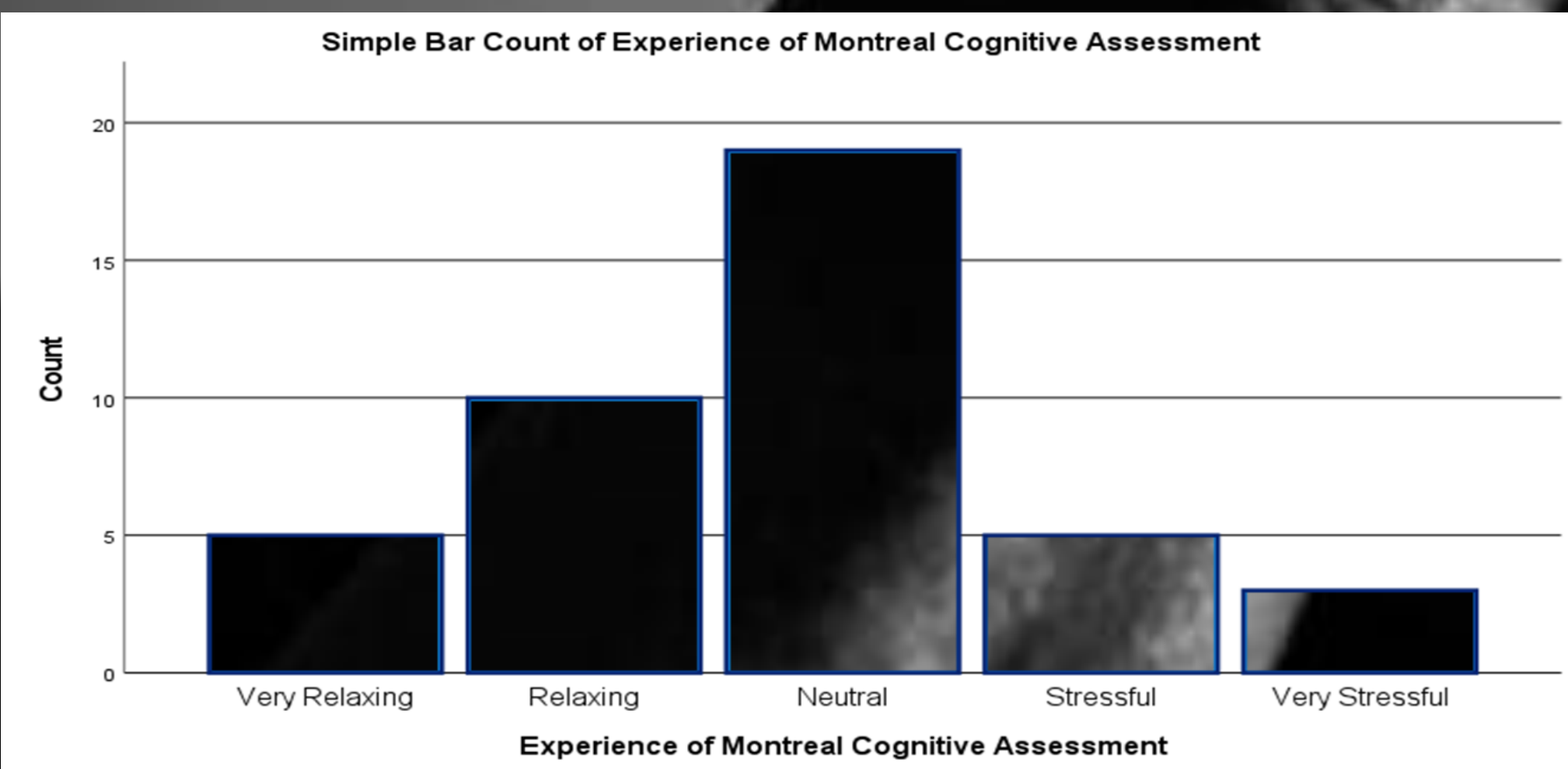
# FINDING ALTERNATIVE METHODS TO ASSESS COGNITIVE FUNCTION

## WHY?

In 2016, there were 11.8 million individuals aged 65 years and above in the UK, and this number is expected to double by 2066 (ONS, 2020).



As you grow older, you are more likely to develop memory difficulties, where older adults are initially screened with a set of questions (e.g., MoCA) that can be stressful to some people.

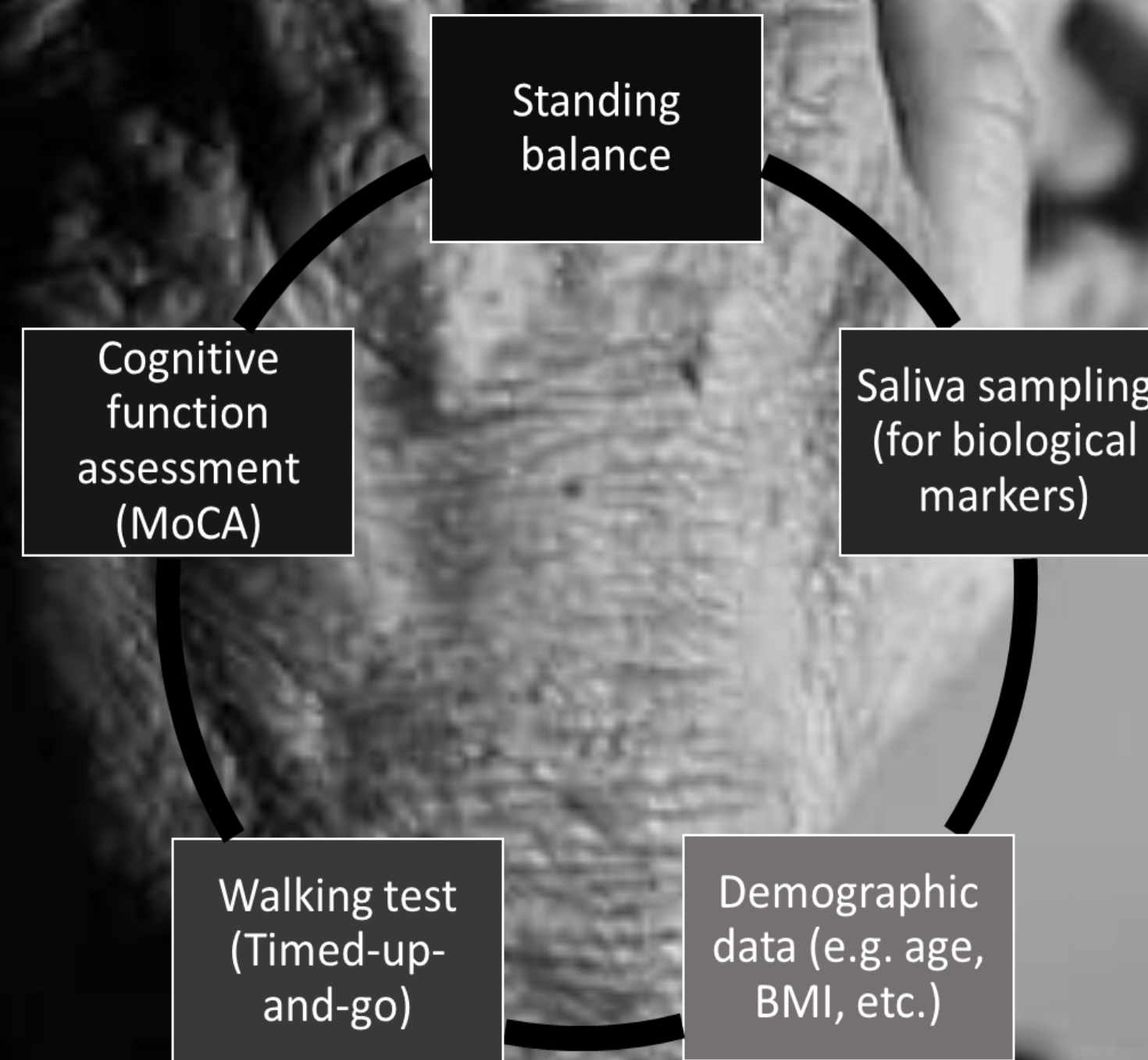


## SO?

The aim of this study is to find alternative methods to assess cognitive function by using standing balance and biological markers in saliva.

## HOW?

The illustration below shows the methods used in this research study.



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## WHAT?

The table below shows some preliminary results of 48 participants.

		Count	Minimum	Maximum	Mean	Standard Deviation
Sex	Female	25				
	Male	23				
Education above 12 yrs	No	6				
	Yes	41				
Body Mass Index Classification (BMI)	Ideal weight	15				
	Obese	12				
	Overweight	19				
Smoking status	Underweight	2				
	Current smoker	2				
	Ex-smoker	26				
Montreal Cognitive Assessment Category	Never smoked	20				
	Cognitively Normal	25				
	Mild Cognitive Impairment	18				
Dominant Foot	Moderate Cognitive Impairment	4				
	Severe Cognitive Impairment	1				
Age	Left	3				
	Right	45				
Weight in kilograms (kg)			65	90	74	6
Height in meters (m)			38.02	122.94	76.52	16.89
Body Mass Index (BMI)			1.50	1.85	1.68	.10
Timed-up-and-go score (Trial 1)			15.04	45.71	27.07	5.29
Timed-up-and-go score (Trial 2)			6.67	46.00	11.19	5.42
Timed-up-and-go score (mean)			5.89	48.00	10.72	5.78
Montreal Cognitive Assessment score			6.28	47.00	10.95	5.58
Alcohol in units/wk			9	30	24	5
Saliva Collection wake-up time (am)			0	40	8	10
Time of Saliva collection (am)			4.00	10.42	6.66	1.16
Saliva Collection Post Awakening time (min)			4.30	11.00	7.24	1.21
			15	60	36	10

## WHAT NEXT?

