

TEDS Biomarkers Project A study about young people's experience of stress

We will contact you via telephone to instruct you when to complete the questionnaire and take the saliva sample. Please do not start this questionnaire before we have contacted you.

Once we have spoken to you, please remember that you should complete the questionnaire on the same day as you take the saliva. Please read all the instructions carefully before you start. Each part of the questionnaire has its own set of instructions. Please complete this questionnaire on your own. There are no 'right' or 'wrong' answers, just answer according to how you think and feel. All responses will be kept strictly confidential.

Thank you for taking part in this study!

Twin ID:

1. Saliva Sample

Please do not collect your saliva sample if you have had any dental work done in the last 2 days.

In order to get the best possible sample, please:

- do NOT eat 60 minutes before giving the sample
- do NOT brush your teeth 45 minutes before giving the sample
- do NOT drink 30 minutes before giving the sample

Please complete the questionnaire on the same day you take your saliva sample

How to collect your saliva sample:

It is important that you time how long it takes you to collect the saliva sample. You can use the stopwatch on your mobile phone, on your watch, or one on the Internet, e.g. at this web address: www.online-stopwatch.com. It does not matter how fast or slow you are - there is no 'right' or 'wrong' time.

- 1. Please **rinse your mouth** out with water to remove any food debris **10 minutes before** giving the sample **Do not eat or drink anything after this point until you finish saliva collection.**
- 2. Take out the drinking straw and container (in the envelope with the questionnaire).
- 3. Set your stopwatch to **00.00**
- 4. <u>Press 'Start'</u> on the stopwatch to start collecting saliva. Saliva is collected by spitting/drooling till the plastic tube is filled.
- 5. With your head tilted forward, allow the saliva to pool in the mouth. Some people find it helpful to imagine eating their favorite food.
- 6. With your head tilted forward, **drool down through the straw** so the saliva collects in the container.
- 5. Allow the saliva to collect in your mouth and drool down the straw until the container is full.
- 6. Press 'Stop' on your stopwatch.
- 6. Put the cap on the container and **place the container in the fridge** as soon as the sample is collected and leave there until collected by the courier.
- 7. Record how long it took you to collect the saliva sample in the space below:

	·	
	-	

Time to collect saliva sample:

mins: secs

2. Body Temperature

How to measure your temperature:

Opening thermometer package

Fold along the perforation and tear off a single thermometer Strip. Peel back the top of wrapper to expose the handle of the thermometer. Remove it by pulling on the handle. **DO NOT touch the dotted end!**

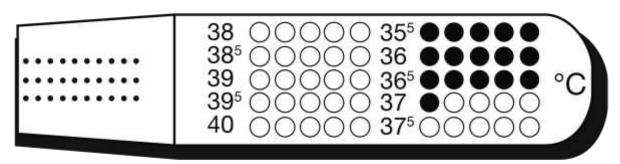
Taking your temperature

Place the dotted end of the thermometer into your mouth, under the tongue, as far back as possible. Lips should touch the middle of the "TempaDot" logo. Press your tongue down onto the thermometer whilst keeping your mouth closed.

Wait 60 seconds, then remove the thermometer from your mouth. (Retake if left in mouth for over 2 minutes)

Reading and recording temperature

After removing the thermometer, wait 10 seconds before reading. The last blue dot on the matrix of your thermometer indicates your body temperature (see diagram below)



This example reads 37.0°C.

Record your body temperature in the space below:

My body temperature:

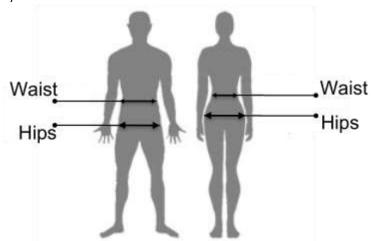


3. Body Composition

How to measure your waist and hips:

Please use the tape measure enclosed with the questionnaire and follow the instructions below. For this part, you can get someone to help you.

- 1. Remove any loose clothing (e.g. jumpers, cardigans), and stand upright.
- 2. To locate your waist, find the narrowest part of your middle between your hips and ribcage (see picture below)
- 3. Breathe in, breathe out and relax, then wrap the tape measure around your waist. Record the distance around your waist to the nearest centimetre or inch (in the box below the picture).
- 4. To locate your hips, find the widest part between your waist and the upper part of your leg (see picture below).
- 5. Wrap the tape measure around your hips. Record the distance around your hips to the nearest centimetre or inch (in the box below the picture).



Waist			
Distance around waist	EITHER	In centimetres	
		cm	
	OR	In inches	
		inches	

Hips			
Distance around hips	EITHER	In centimetres	
			cm
	OR	In inches	
			inches

Height			
How tall are	EITHER	Height in	
you?			cm
		OR	
			inches

Weight			
How much do	EITHER	Weight in	
you weigh?			kg
		OR	
			pounds

4. For each of the following statements and/or questions, please tick the point on the scale that you feel is most appropriate in describing you

In general, I consid	2	3	4	5	6	7
Very unhappy	2	3	4 Neutral	5	_	7 /ery happy
very unitappy			iveutiai		`	rei y ilappy
Compared to most	of my peers, I co	nsider myse	elf:			
1	2	3	4	5	6	7
Less happy			Average		N	lore happy
Some people are g			e you?	dless of what is going		
1	2	3	4	5	6	7
Not at all			Mixed			A great deal
Some people are g be. To what extent 1	= = =		atever is goin	g on, they never seer	n as happy as	they might
Not at all		_	Mixed	-	-	A great deal
		<u></u>				
		I agree a lot	I agree a little	I neither agree nor disagree	I disagree a little	I disagree a lot
In uncertain times, I the best.	usually expect					
If something can go will.	wrong for me, it					
I'm always optimistic future.	c about my					
I hardly ever expect way.	things to go my					
I rarely count on goo happening to me.	od things					
Overall, I expect mor happen to me than b						

5. Below are words that describe personality traits. Please select where you fall on the scale from high to low

	High	(→	Low
Anxiousness:	(fearful, apprehensive)				(relaxed, unconcerned, cool)
Angry Hostility:	(angry, bitter)				(even-tempered)
Depressiveness:	(pessimistic, glum)				(optimistic)
Self-consciousness:	(timid, embarrassed)				(self-assured, glib, shameless)
Impulsivity:	(tempted, spontaneous)				(controlled, restrained)
Vulnerability:	(helpless, fragile)				(fearless, unflappable)
Warmth: (pleasant, affectionate, welcoming)				(cold, aloof, indifferent)
Gregariousness:	(sociable, outgoing)				(withdrawn, isolated)
Assertiveness:	(dominant, forceful)				(unassuming, quiet, resigned)
Activity:	(vigorous, energetic, active)				(passive, lethargic)
Excitement-Seeking:	(reckless, daring)				(cautious, monotonous, dull)
Positive Emotions:	(high-spirited)				(placid, anhedonic)
Fantasy:	(dreamer, unrealistic, imaginative)				(practical, concrete)
Aesthetics:	(curious, appreciate art)				(uninvolved, no artistic interests)
Feelings:	(self-aware, constricted)				(unaware, alexithymic)
Actions:	(unconventional, eccentric)				(routine, predictable, habitual, stubborn)
Ideas:	(strange, odd, peculiar, creative)				(pragmatic, rigid)
Values:	(permissive, broad-minded)				(traditional, inflexible, dogmatic)
Trust:	(gullible, naïve, trusting)				(skeptical, cynical, suspicious, paranoid)
Straightforwardness:	(confiding, honest)				(cunning, manipulative, deceptive)
Altruism:	(sacrificial, giving)				(stingy, selfish, greedy, exploitative)
Compliance:	(docile, cooperative)				(oppositional, combative, aggressive)
Modesty:	(meek, self-effacing, humble)				(confident, boastful, arrogant)
Tender-Mindedness:	(soft, empathetic)				(tough, callous, ruthless)
Competence:	(perfectionist, efficient)				(lax, negligent)
Order:	(methodical, organized)				(haphazard, disorganized, sloppy)
Dutifulness:	(rigid, reliable, dependable)				(casual, undependable)
Achievement:	(workaholic, ambitious)				(aimless, desultory)
Self-Discipline:	(diligent, dogged, devoted)				(hedonistic, negligent)
Deliberation:	(cautious, ruminative, reflective)				(hasty, careless, rash)

6. The questions in this scale ask you about your feelings and thoughts. For each question please indicate how often you have felt or thought a certain way <u>during the last month</u>.

	Never	Almost Never	Sometimes	Fairly Often	Very Often
How often have you been upset because of something that happened unexpectedly?					
How often have you felt that you were unable to control the important things in your life?					
How often have you felt nervous and "stressed"?					
How often have you felt confident about your ability to handle your personal problems?					
How often have you felt that things were going your way?					
How often have you found that you could not cope with all the things that you had to do?					
How often have you been able to control irritations in your life?					
How often have you felt that you were on top of things?					
How often have you been angered because of things that were outside of your control?					
How often have you felt difficulties were piling up so high that you could not overcome them?					

7. How true are the following statements when you think about your feelings and behaviours <u>over the last two weeks?</u>

	Not true/ hardly ever true	Somewhat true	Very true/ often true
When I feel frightened, it is hard to breathe.			
I get headaches when I am at school.			
I don't like to be with people I don't know well.			
I get scared if I sleep away from home			
I worry about other people liking me.			
When I get frightened, I feel like passing out.			
I am nervous.			
I follow my mother and father wherever they go.			
People tell me that I look nervous.			
I feel nervous with people I don't know well.			

	Not true/ hardly ever true	Somewhat true	Very true/ often true
I get stomach aches at school.			
When I get frightened, I feel like I am going crazy.			
I worry about sleeping alone.			
I worry about being as good as other young people.			
When I get frightened, I feel like things are not real.			
I have nightmares about something bad happening to my parents.			
I worry about going to school.			
When I get frightened, my heart beats fast.			
I get shaky.			
I have nightmares about something bad happening to me.			
I worry about things working out for me.			
When I get frightened, I sweat a lot.			
I am a worrier.			
I get really frightened for no reason at all.			
I am afraid to be alone in the house.			
It is hard for me to talk with people I don't know well.			
When I get frightened, I feel like I am choking.			
People tell me that I worry too much.			
I do not like to be away from my family.			
I am afraid of having anxiety (or panic) attacks.			
I worry that something bad might happen to my parents.			
I feel shy with people I don't know well.			
I worry about what is going to happen in the future.			
When I get frightened, I feel like throwing up.			
I worry about how well I do things.			
I am scared to go to school.			
I worry about things that have already happened.			
When I get frightened, I feel dizzy.			

	Not true/ hardly ever true	Somewhat true	Very true/ often true
I feel nervous when I am with other people and have to do something while they watch me (for example: read aloud, speak, play a game, play a sport).			
I feel nervous when I am going to parties, dances, or any place where there will be people that I don't know well.			
I am shy.			

8. Please answer the following questions relating to your usual sleep habits <u>during the past month</u>. Please tick the category that best describes your sleeping patterns for the *majority* of days and nights in the past month.

When have you usually gone to bed at night?	8 pm – 9 pm	
	9 pm – 10 pm	
	10 pm – 11 pm	
	11 pm – 12 am	
	12 am – 1 am	
	Later than 1 am	
How long (in minutes) has it usually taken you to fall asleep each night?	Less than 5 min	
	5 – 10 min	
	10 – 15 min	
	15 – 20 min	
	20 – 30 min	
	Longer than 30 min	
When have you usually gotten up in the morning?	Earlier than 6 am	
	6 am – 7 am	
	7 am – 8 am	
	8 am – 9 am	
	Later than 9 am	
How many hours of actual sleep did you get at night? (This may be different from	Less than 5 hours	
the number of hours you spend in bed.)	5 – 6 hours	
	6 – 7 hours	
	7 – 8 hours	
	8 – 9 hours	
	9 – 10 hours	
	More than 10 hours	

9. Young people have a variety of different thoughts and feelings. Please tick the box that best describe
your feelings during the past two weeks.

	Not true	Quite true	Very true
I felt miserable or unhappy.			
I didn't enjoy anything at all.			
I felt so tired I just sat around and did nothing.			
I was very restless.			
I felt I was no good any more.			
I cried a lot.			
I found it hard to think properly or concentrate.			
I hated myself.			
I felt I was a bad person.			
I felt lonely.			
I thought that nobody really loved me.			
I thought I could never be as good as others.			
I did everything wrong.			

10. Below is a list of statements. Please read each statement and rate how strongly you agree or disagree based on your feelings <u>over the last month</u>

	Strongly Disagree	Moderately Disagree	Mildly Disagree	Mildly Agree	Moderately Agree	Strongly Agree
My life is going well.						
My life is just right.						
I would like to change many things in my life.						
I wish I had a different kind of life.						
I have a good life.						
I have what I want in life.						
My life is better than most people's						

11. Please tick the appropriate box to tell us about any health problems or any medication you are taking.

	1				T
Health problems	Yes				No
	Today	Last week	Last 14 days	Last month	
Infection (e.g., fever, cold, flu, persistent cough, sore throat, eye pain, ear pain, diarrhoea)					
Trauma (major bruising, sprains, dislocated or broken bone)					
Dental problems (bleeding gum, tooth ache, dentist visit)					
Other health problems (please specify below)					
Any medication (please specify below)					

12. Puberty

The following questions are about the normal physical changes that happen to your body at puberty. Please tick the box that best describes you. If you feel uncomfortable in any way about answering any of these questions, simply leave them blank and move on to the next section.

begun	begun	Completed	Not sure
	Mala		Female

If you are **MALE**, **please answer section A** on the next page If you are **FEMALE**, **please answer section B** on the next page

Please tick to show whether you are male or female

Section A – MALES ONLY

	Not yet begun	Barely begun	Definitely begun	Completed	Not sure
Has your voice begun to deepen?					
Have you begun to grow hair on your face?					

Section B - FEMALES ONLY

	Not yet begun	Barely begun	Definitely begun	Completed	Not sure
Have your breasts begun to grow?					
			Yes		No
Have you begun to menstruate (to	have monthly perio	ds?)			
	Tick the year of yo	ur first period	Tick the mo	nth of your first	period
If you have begun to menstruate, what was the year and month of your first menstruation?	200	2 🗆	Jan [Feb □
	200	3 🗆	Mar		Apr 🗆
	200-	4 🗆	May		Jun 🗆
	200	5 🗆	Jul [Aug 🗆
	200	6 🗆	Sep		Oct 🗆
	200	2007 🗆			Dec □
	200	8 🗆			
	2009 🗆				
	201	0 🗆			
	201	1 🗆			

Please, make sure that you have written down the **time it took to collect the saliva sample** and recorded your **body temperature** on page 2 and 3.

Thank you again for taking part in this study!