## THE **TAND** CHECKLIST Lifetime version (TAND-L)

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**Tuberous Sclerosis Complex (TSC)** is associated with a range of neuropsychiatric disorders which we refer to as **TAND (TSC-Associated-Neuropsychiatric-Disorders**). All people with TSC are at risk of having some of these difficulties. Some people with TSC have very few, while others will have many of them.

Each person with TSC will therefore have their own TAND profile, and this profile may change over time. This checklist was developed to help clinical teams, individuals with TSC and their families a) screen for TAND at every clinic visit and b) prioritize what to do next.

## Instructions for use

The TAND Checklist was designed to be completed by a clinician with relevant knowledge and experience in TSC, in partnership with individuals with TSC or their parents/carers.

The Checklist should take about 10 minutes to complete.

Where individuals answer YES to an item, the clinician should explore the difficulty in sufficient detail to help guide decisions about further evaluation or treatment. All items should be completed.

About the interview	· ·
Name of TSC Subject:	DOB: d d/m m/y y Age:
Name of Interviewer:	Date of interview: d d/m m/y y
Name of interviewee:	Self / Parent / Carer / Other (circle)

## Let's begin

As you will know, the majority of people with TSC have some difficulty in learning, behaviour, mental health, specific aspects of their development and so on. We are going to use this checklist to help us check for these kinds of difficulties. I am going to ask you a number of questions.

Some may be directly relevant; some might not be relevant at all. Just answer as best as you can. At the end I will check to see if there are any additional difficulties we didn't talk about.

For parents/carers of individuals with TSC, please start with question 1.

For individuals with TSC who complete this about themselves, please start with question 3.

Let's begin by talking about [subject]'s development they are at. How old was [subject] when he/she:	ent to get a sense	e of where
a. First smiled?	Age:	Not yet:
<b>b.</b> Sat without support?	Age:	Not yet:
c. Walked without holding on?	Age:	Not yet:
d. Used single words other than "mama" or "dada"?	Age:	Not yet:
e. Used two words/short phrases?	Age:	Not yet:
f. Was toilet trained during the day?	Age:	Not yet:
g. Was toilet trained at night?	Age:	Not yet:

What is [subject]'s current level of (please tick):		
a. Language: non-verbal simple language	fluent	
<b>b.</b> Self-care: dependent on others some self-care skills	indepen	ıdent
c. Mobility: wheelchair needs significant support some difficulty		ely mobile
c. Mobility: wheelchair heeds significant support some difficulty	complet	ely mobile
Let's talk about behaviours causing concern to you or to othe Have/has [subject] ever had difficulty with any of the following		
a. Anxiety	NO 🗌	YES
<b>b.</b> Depressed mood	NO	YES
<b>c.</b> Extreme shyness	NO	YES
d. Mood swings	NO	YES
e. Aggressive outbursts	NO	YES
f. Temper Tantrums	NO	YES
g. Self-injury, such as hitting self, biting self, scratching self	NO	YES
<b>h</b> . Absent or delayed onset of language to communicate	NO	YES
i. Repeating words or phrases over and over again	NO	YES
j. Poor eye contact	NO	YES
k. Difficulties getting on with other people of similar age	NO	YES
I. Repetitive behaviours, such as doing the same thing over and over again	NO	YES
m. Very rigid or inflexible about how to do things or not liking change in routines	NO	YES
n. Overactivity/hyperactivity, such as being constantly on the go	NO	YES
o. Difficulty paying attention or concentrating	NO _	YES
p. Restlessness or fidgetiness, such as wriggling or squirming	NO _	YES
<b>q.</b> Impulsivity, such as butting in, not waiting turn	NO	YES
r. Difficulties with eating, such as eating too much, too little, unusual things	NO	YES
s. Sleep difficulties, such as with falling asleep or waking	NO	YES
If you answered YES to any of the above:		
Have you had further evaluation or support for it?	NO	YES
Would you like to have further evaluation or support for it?	NO	YES
Problem behaviours may add up to meet criteria for specific problem disorders. Have/has [subject] ever received a diagnosis of:	osychiatric	
a. Autism Spectrum Disorder (ASD), including autism, Asperger's	NO	YES
<b>b.</b> Attention Deficit Hyperactivity Disorder (ADHD)	NO	YES
<b>c.</b> Anxiety Disorder, including as panic, phobia, separation anxiety disorder	NO	YES
d. Depressive Disorder	NO	YES
e. Obsessive Compulsive Disorder	NO	YES
f. Psychotic Disorder, including schizophrenia	NO _	YES
If you answered YES to any of the above		
Have you had further evaluation or support for it?	NO	YES
Would you like to have further evaluation or support for it?	NO	YES

About half of people with TSC will have significant difficulties in their overall intellectual development and may have 'intellectual disability'.				
a. Have you ever been concerned about this for [subje	ect]?	NO YES		
<b>b.</b> Have/has [subject] ever had a formal evaluation of i	ntelligence			
by a professional using IQ-type tests?	Titelingeriee	NO YES		
If YES, what did results show?	Normal Intellectual			
II 1 L3, what did results shows	Borderline Intellectual Al	· ` ' =		
	Mild Intellectual Disal			
	Moderate Intellectual Disal			
	Severe Intellectual Disa			
	Profound Intellectual Dis	sability (IQ <20)		
<b>c.</b> What is your view of [subject]'s intellectual ability?	Normal In	tellectual Ability		
	Mild-Moderate Intel	lectual Disability		
	Severe - Profound Intel	lectual Disability		
<b>d.</b> Would you like to have further evaluation or suppor	t for it?	NO YES		
d. Would you like to have further evaluation of suppor	t for it:	110 1123		
Many people with TSC who are of school age will have difficulty in school.  [For individuals of school age]: Does/do [subject] have any difficulty with any of the following:  [For individuals after school age]: Did [subject] have any difficulty with any of the following:				
a. Reading	N/A	NO YES		
<b>b.</b> Writing	N/A	NO YES		
c. Spelling	N/A	NO YES		
<b>d.</b> Mathematics	N/A	NO YES		
If you answered VES to any of the above	,			
If you answered YES to any of the above Have/has [subject] had further evaluation or support f	For it?	NO YES		
Have/has [subject] been considered for any additiona		., 0		
such as extra help or an Individual Educational Plan (IEP)?  NO YES		NO YES		
Would you like to have further evaluation or support fo	or [subject]?	NO YES		
The majority of people with TSC will specific brain skills. Do/does [subject a. Memory, such as remembering things that have happe b. Attention, such as concentrating well, not getting distriction. Dual-tasking/ Multi-tasking, such as doing 2 tasks at a d. Visuo-spatial tasks, such as solving puzzles or using but e. Executive skills, such as planning, organizing, flexible to f. Getting disoriented, such as not knowing the date or well.	] have difficulty with any ned acted the same time uilding blocks hinking			
If you answered YES to any of the above Have/has [subject] had further evaluation or support f	for it?	NO YES		
Would you like to have further evaluation or support fo	or these difficulties?	NO YES		

Apart from the challenges listed above, TSC can have a big impact on people's lives in other ways. Have/has [subject] had any difficulties with:  a. Low self-esteem  b. Very high levels of stress in families, for instance between siblings  c. Very high levels of stress between parents leading to significant relationship difficulties  NO YES  If you answered YES to any of the above Have/has [subject] and/or your family had further evaluation or support for it?  NO YES  Would you like to have further evaluation or support for it?  NO YES  NO YES				
na	Taking together all the difficulties discussed above,			
Not at all	how much have these bothered, troubled or distressed you/your child/family?  0 1 2 3 4 5 6 7 8 9 10 Extremely			
	2 2 2 2 2 2 Extremely			
b	Of all the concerns listed above, what are your top priorities to work on next?			
Do you have any other worries about TAND for [subject] that we have not talked about as we went through the checklist?  NO YES If YES, please list:				
Thank You!				
12	Interviewer's judgement of impact/burden on the individual/child/family.			
Not at all	0 1 2 3 4 5 6 7 8 9 10 Extremely			