

Appendix 1. LARS: instructions and items

- Instructions for administration of the Lille Apathy Rating Scale –

The Lille Apathy Rating Scale (LARS) comprises 33 queries belonging to nine domains, each corresponding to a clinical manifestation of apathy.

The interview is structured and the questions should be posed exactly as stated. To obtain the best validity, it is not advisable to change the vocabulary or to add additional comments to the questions.

Before beginning the interview, the patient has to be instructed as follows:

"I am going to ask you some questions about your daily life. It is important that you base your answers on your life over the last four weeks"

If the patient evokes general events or any that predate the last month, he or she must be reminded that only the current situation must be referred to: *"Please try to answer according to your current way of life, by referring to the last four weeks"*

A precise scoring mode is proposed for each reply and should be followed as closely as possible. When an item does not apply to the patient, it is scored "0", for non-applicable (NA). When the reply is not clear at all and cannot be classified, it is also scored "0" for a non-classifiable reply.

The scale's overall score ranges from -36 to +36

- Lille Apathy Rating Scale –

1. Everyday productivity

- What do you do during the day? Tell me about your day-to-day life.

Time taken to reply¹

no reply	2
reply after prompting	1
spontaneous reply but only after some time	0
immediate reply, one activity mentioned without hesitation	-1
immediate reply, several activities mentioned without hesitation	-2

Number and variety of activities mentioned

none	2
one activity but prompting needed to obtain another	1
several activities mentioned	0
detailed organisation of a typical day but every day follows the same schedule.	-1
detailed organisation of a typical day but the reply shows that the activities change according to the day of the week or the time of year (for example housework, going to the cinema, watching TV, gardening, visiting friends, etc.)	-2

2. Interests

- What are you interested in? What do you like doing to keep yourself occupied?

¹ The delay must reflect a deficit in or absence of reactivity from the subject. Delays due to speaking or word-finding difficulties should not be considered when scoring these items

<u>Time taken to reply</u>	no reply	2
	reply after prompting	1
	spontaneous reply but only after some time	0
	immediate reply, one activity mentioned without hesitation	-1
	immediate reply, several activities mentioned without hesitation	-2

<u>Number of activities mentioned</u>	none or only one	1
	several	0
	regrets having to choose between so many activities	-1

- How many times a week do you ...(*do the first hobby or pastime mentioned above*)?

Less than once a week	1
Once or several times a week	0
Regrets not being able to devote more time to the activity	-1

3. Taking the initiative

- In general, do you decide to do things or does someone have to push you a little?

I have to be pushed	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
I decide to do things myself	-1

- When you have to go to an appointment, a meeting or a formal occasion, do you have to be told to get yourself ready?

I need to be told	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
I get ready spontaneously	-1

- When you have to make an appointment (for example with the doctor or dentist), do you do it yourself or do you wait for someone to do it for you?

I wait for someone to do it for me	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
I do it myself	-1

- Do you take part spontaneously in daily living activities or do you need to be asked?

I have to be asked	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
I take part spontaneously	-1

4. Novelty seeking

- Do you like finding out about something new (a new TV programme or a new book)?

No, that doesn't interest me	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, that interests me	-1

- Do you like trying out new products, tools or recipes that you're not familiar with?

No, that doesn't interest me	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, I like trying things I'm not familiar with	-1

- Do you like visiting places you've never been to before?

No, that doesn't interest me	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, I like visiting places I've never been to before	-1

- When you go out for a drive or when you're travelling by train or bus, do you enjoy looking at the countryside, the houses?

No, that doesn't interest me		1
N.A. <input type="checkbox"/>	Non-classifiable reply <input type="checkbox"/>	0
Yes, I like to see if anything has changed		-1

5. Motivation - Voluntary actions

- When you decide to do something, are you easily able to make an effort or is it difficult?

I find it difficult to make an effort		1
N.A. <input type="checkbox"/>	Non-classifiable reply <input type="checkbox"/>	0
I can easily make an effort		-1

- When you don't manage to do something, do you try to find other solutions?

No, I give up		1
N.A. <input type="checkbox"/>	Non-classifiable reply <input type="checkbox"/>	0
Yes, I try again		-1

- When you decide to do something, do you see it through to the end or do you tend to give up?

I tend to give up (I am easily discouraged)		1
N.A. <input type="checkbox"/>	Non-classifiable reply <input type="checkbox"/>	0
I see it through to the end		-1

- When you can't find something (for example a document or an object), do you go to a lot of trouble looking for it?

No, if I don't find it quickly, I stop looking		1
N.A. <input type="checkbox"/>	Non-classifiable reply <input type="checkbox"/>	0
Yes, I keep looking until I find it		-1

6. Emotional responses

- When you watch a film, do you easily become emotional or moved?

No, I don't experience any particular emotion		1
N.A. <input type="checkbox"/>	Non-classifiable reply <input type="checkbox"/>	0
Yes, I am easily moved		-1

- When someone tells you a joke or when you watch a comedy sketch on TV, do you laugh easily?

No, I don't experience any particular emotion		1
N.A. <input type="checkbox"/>	Non-classifiable reply <input type="checkbox"/>	0
Yes, it makes me laugh		-1

- Do you feel happy when you hear some good news?

No, I don't experience any particular emotion		1
N.A. <input type="checkbox"/>	Non-classifiable reply <input type="checkbox"/>	0
Yes, I'm happy		-1

- Do you feel sad when you hear some bad news?

No, I don't experience any particular emotion		1
N.A. <input type="checkbox"/>	Non-classifiable reply <input type="checkbox"/>	0
Yes, I'm sad, it worries me		-1

7. Concern

- When you have a problem (for example when your TV set breaks down), does it worry you?

No		1
N.A.	<input type="checkbox"/>	Non-classifiable reply <input type="checkbox"/>
Yes, I worry easily		-1

- When something's not working or when something unexpected happens, do you think about finding a solution?

No, I give up		1
N.A.	<input type="checkbox"/>	Non-classifiable reply <input type="checkbox"/>
Yes, I look for a solution		-1

- When your partner or children have a minor problem (when they're ill, for example), does that concern you, do you worry about them?

No, I don't feel very concerned about that		1
N.A.	<input type="checkbox"/>	Non-classifiable reply <input type="checkbox"/>
Yes, I worry.		-1

- Do you like to ask how your family and friends are on a regular basis?

No, often I wait until someone tells me how they are		1
N.A.	<input type="checkbox"/>	Non-classifiable reply <input type="checkbox"/>
Yes, I often ask them how they are (I phone them, etc).		-1

8. Social life

- Do you have friends?

No, not many or I don't see them any more		1
N.A.	<input type="checkbox"/>	Non-classifiable reply <input type="checkbox"/>
Yes, and having friends matters a lot to me		-1

- When you meet friends, do you enjoy spending time with them or it is a chore?

It's a chore		1
N.A.	<input type="checkbox"/>	Non-classifiable reply <input type="checkbox"/>
I enjoy it		-1

- In conversation, do you start talking or do the others tend to speak to you first?

I only talk if someone starts talking to me		1
N.A.	<input type="checkbox"/>	Non-classifiable reply <input type="checkbox"/>
I start talking with no prompting		-1

- During a discussion, do you give your own opinion spontaneously or do you fall into line with someone else's opinion?

I tend to fall into line with someone else's opinion		1
N.A.	<input type="checkbox"/>	Non-classifiable reply <input type="checkbox"/>
I give my own opinion spontaneously		-1

9. Self-awareness

- When you've finished doing something, do you take stock of the situation and think about what is going well and what's not?

No, I don't think about the end result	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, I take stock of the situation	-1

- After having taken a decision, do you sometimes think that you've made the wrong choice?

No, I'm happy with the choice I make	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, I sometimes regret having made certain choices	-1

- When you've been unpleasant to someone, do you sometimes feel guilty afterwards?

No, I don't care	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, I'm ashamed of myself	-1

- If, during a discussion, you realize that you're in the wrong, are you able to admit it - at least to yourself?

No, I don't admit that I'm in the wrong	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, I admit it.	-1

Total score	/36
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Sub-scales		Scores														
Everyday productivity	EP	-4	-3	-2	-1	0	1	2	3	4						
Interests	INT	-4	-3	-2	-1	0	1	2	3	4						
Taking the initiative	INI	-4	-3	-2	-1	0	1	2	3	4						
Novelty seeking	NS	-4	-3	-2	-1	0	1	2	3	4						
Motivation - Voluntary actions	M	-4	-3	-2	-1	0	1	2	3	4						
Emotional responses	ER	-4	-3	-2	-1	0	1	2	3	4						
Concern	C	-4	-3	-2	-1	0	1	2	3	4						
Social life	SL	-4	-3	-2	-1	0	1	2	3	4						
Self-awareness	SA	-4	-3	-2	-1	0	1	2	3	4						

Factorial sub-scores are calculated from sub-scale scores using the formulas given below.

Factorial sub-scores		Scores															
Intellectual curiosity	$(INT+NS+M+SL)/4$	IC	-4	-3	-2	-1	0	1	2	3	4						
Emotion	$(ER+C)/2$	E	-4	-3	-2	-1	0	1	2	3	4						
Action initiation	$(EP+INI)/2$	AI	-4	-3	-2	-1	0	1	2	3	4						
Self-awareness	(SA)	SA	-4	-3	-2	-1	0	1	2	3	4						