

- Instructions for administration of
the caregiver-based version of the Lille Apathy Rating Scale -

As with the patient-based version, the caregiver version of the Lille Apathy Rating Scale (LARS-i) comprises 33 queries falling into nine domains, each corresponding to a clinical manifestation of apathy.

The interview is structured and so to obtain valid results, the questions should be posed as stated.

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

"I am going to ask you some questions about the day-to-day life of your spouse [or any other word which appropriately describes the relationship between the caregiver and the patient]. It is important that you base your answers on the last four weeks".

If the caregiver 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 the your spouse's current day-to-day life, by referring to the last four weeks only".*

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

The scale's total score ranges from -36 (least apathetic) to +36 (most apathetic).

Lille Apathy Rating Scale - a caregiver-based assessment

1. Everyday productivity

- What does your spouse [or any other word which appropriately describes the relationship between the caregiver and the patient] do during the day? Tell me about his (her) day-to-day life.

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<u>Number and variety of activities mentioned</u>	none	2
	some activities but only those initiated by the caregiver	1
	some self-initiated activities but the others are initiated by the caregiver	0
	a typical day is fairly busy but always follows the same schedule	-1
	a typical day is fairly busy and the reply shows that the activities do change according to the day of the week or the time of year	-2

-Are there periods when he(she) is completely inactive?

Yes, most of the time he (she) doesn't do anything	2
Yes, he(she) is inactive except when washing him(her)self and during meals	1
Yes, there are several periods of inactivity during the day	0
No, there is never more than one period of inactivity during the day	-1
No, he (she) is always busy doing something	-2

2. Interests

- What is your spouse interested in? What does he(she) like doing to keep him(her)self occupied?

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<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 does he(she) ...(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

- Is he(she) as interested in this activity as before?

No, he(she) is no longer at all interested	2
He(she) is distinctly less interested than before	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
He(she) is almost as interested as before (a slight reduction)	-1
He(she) is as interested (or perhaps even more interested) as before	-2

3. Taking the initiative

- In general, does he/she decide to do things by him(her)self or have you to push him(her)?

I have to push him(her)	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
He/she does things by him(her)self	-1

- When he/she has to go to an appointment, a meeting or a formal occasion, do you have to tell him(her) to get ready?

I need to tell him(her)	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
He/she gets ready spontaneously	-1

- When he/she has to make an appointment (for example with the doctor or dentist), does he/she do it him(her)self or does he/she wait for you to do it?

He/she waits for me to do it	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
He/she does it him(her)self	-1

- Does he/she take part spontaneously in daily living activities or do you need to ask him(her)?

I have to ask him(her)	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
He/she takes part spontaneously	-1

4. Novelty seeking

- Does he/she like finding out about something new (a new TV programme or a new book)?

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

- Does he/she like trying out new products, tools or recipes that he/she is not familiar with?

No, that doesn't interest him(her)	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, he/she likes trying things that he/she is not familiar with	-1

- Does he/she like visiting places that he/she has never been to before?

No, that doesn't interest him(her)	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, he/she likes visiting places that he/she has never been to before	-1

- When he/she goes out for a drive or when he/she is travelling by train or bus, does he/she enjoy looking at the countryside, the houses and so on?

No, that doesn't interest him(her)	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, he/she likes to see if anything has changed	-1

5. Motivation - Voluntary actions

- When he/she decides to do something, is he/she easily able to make an effort or is it difficult?

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

- When he/she doesn't manage to do something, does he/she try to find other solutions?

No, he/she gives up	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, he/she tries again	-1

- When he/she decides to do something, does he/she see it through to the end or does he/she tend to give up?

He/she tends to give up - he/she is easily discouraged	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
He/she sees it through to the end	-1

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

No, if he/she doesn't find it quickly, he/she stops looking	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, he/she keeps looking until he/she finds it	-1

6. Emotional responses

- When he/she watches a film, does he/she easily become emotional or moved?

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

- When someone tells him/her a joke or when he/she watches a comedy sketch on TV, does he/she laugh easily?

No, he/she doesn't experience any particular emotion	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, it makes him/her laugh	-1

- Does he/she feel happy when he/she hears some good news?

No, he/she doesn't experience any particular emotion	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, he/she feels happy	-1

- Does he/she feel sad when he/she hears some bad news?

No, he/she doesn't experience any particular emotion	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, he/she feels sad - the bad news worries him/her	-1

7. Concern

- When there is a problem (for example when the TV set breaks down), does it worry him(her)?

No		1
N.A.	<input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, he(she) worries easily		-1

- When something's not working or when something unexpected happens, does he(she) think about finding a solution?

No, he(she) doesn't bother		1
N.A.	<input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, he(she) looks for a solution		-1

- When yourself or somebody close has a minor problem (when they're ill, for example), does that concern him(her)? Does he(she) worry about them?

No, he(she) doesn't feel very concerned		1
N.A.	<input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, he(she) worries		-1

- Does he(she) like to ask how his(her) family and friends are on a regular basis?

No, often he(she) waits until someone tells him(her) how they are		1
N.A.	<input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, he(she) often asks them how they are (he(she) phones them, etc).		-1

8. Social life

- Does he(she) have friends?

No, not many or he(she) doesn't see them any more		1
N.A.	<input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, and having friends matters a lot to him(her)		-1

- When he(she) meets friends, does he(she) 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"/>	0
He(she) enjoys it		-1

- In conversation, does he(she) start talking or do the others tend to speak to him(her) first?

He(she) only talks if someone starts talking to him(her)		1
N.A.	<input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
He(she) starts talking with no prompting		-1

- During a discussion, does he(she) give his(her) own opinion spontaneously or does he(she) fall into line with someone else's opinion?

He(she) tends to fall into line with someone else's opinion		1
N.A.	<input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
He(she) gives his(her) own opinion spontaneously		-1

9. Self-awareness

- Is he/she able to criticize his/her own decisions and change his/her own opinions or actions?

No, he/she isn't able to	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, he/she does sometimes	-1

- After having taken a decision, does he/she sometimes think that he/she has made the wrong choice?

No, he/she is happy with the choice he/she makes	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, he/she sometimes regrets having made certain choices	-1

- When he/she has been unpleasant to someone, does he/she sometimes feel guilty afterwards?

No, he/she doesn't care	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, he/she is ashamed of him/her/self	-1

- If, during a discussion, he/she realizes that he/she is in the wrong, is he/she able to admit it - at least to him/her/self?

No, he/she doesn't admit that he/she is in the wrong	1
N.A. <input type="checkbox"/> Non-classifiable reply <input type="checkbox"/>	0
Yes, he/she admits 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