

Adult Social Care Outcomes Toolkit (ASCOT)-Carer SCT4 guidance

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About the ASCOT-Carer SCT4

The ASCOT-Carer SCT4 is a self-completion version of the Adult Social Care Outcomes Toolkit (ASCOT) designed to measure the social care-related quality of life (SCRQoL) of carers, aged 18 years or over. By **carer**, we mean someone who cares, unpaid, for a friend or family member who needs support in their day-to-day life due to illness, disability, a mental health problem or needs related to addiction.

ASCOT-Carer SCT4 SCRQoL explained

ASCOT-Carer SCRQoL refers to those aspects of a carer's quality of life that are relevant to, and the focus of, social care interventions. ASCOT-Carer SCT4 measures what a carer's SCRQoL is like at the time of completing the questionnaire. We call this **current SCRQoL**. Unless you are using ASCOT as a baseline measure *before* a service is put in place, current SCRQoL usually measures the person's quality of life with social care services and support. A current SCRQoL score can be calculated for each person, as long as they have answered all of the ASCOT questions.

Further information about the current SCRQoL score can be found in the [Scoring the ASCOT-Carer SCT4](#) section below.

ASCOT-Carer SCT4 domains

ASCOT-Carer SCRQoL is comprised of questions covering seven areas of a person's life, which we call domains. In identifying and defining these domains, we focused on areas of quality of life that are important to carers and can be affected by social care services. The domains were informed by consultations with carers, policy-makers and experts in the field, review of the literature in this area, and focus groups and cognitive interviews with carers (Fox et al., 2010; Malley et al., 2010; Rand et al., 2012; Rand and Malley, 2014; Rand et al., 2015). The ASCOT-Carer SCT4 domains are therefore relevant to, and the focus of, social care whilst also being valued by carers.

The definitions for each of the seven ASCOT-Carer domains are shown in Table 1. These seven domains are used in the ASCOT tools for carers. In the ASCOT-Carer SCT4, each domain is rated on a single question with four outcome states.

Table 1: Definitions of the ASCOT-Carer domains

Carer SCRQoL Domain	Definition
Occupation	The carer is sufficiently occupied in a range of meaningful and enjoyable activities, whether formal employment, unpaid work, caring for others or leisure activities
Control over daily life	The carer can choose what to do and when to do it, having control over his/her daily activities
Self-care	The carer feels that s/he is able to look after him/herself, in terms of eating well and getting enough sleep
Personal safety	The carer feels safe and secure, where concerns about safety include fear of abuse, physical harm or accidents that may arise as a result of caring
Social participation and involvement	The carer is content with his/her social situation, where social situation is taken to mean the sustenance of meaningful relationships with friends and family, and feeling involved or part of a community, should this be important to the carer
Space and time to be yourself	The carer feels that s/he has enough space and time in everyday life to be him/herself, away from the caring role and the responsibilities of caregiving
Feeling encouraged and supported	The carer feels encouraged and supported by professionals, care workers and others, in his/her role as a carer

Understanding the ASCOT-Carer SCT4 outcome states

Each ASCOT-Carer SCT4 question has four response options, relating to four outcome states. These are shown in Table 2.

Table 2: Definitions of ASCOT-Carer outcomes states

Outcome state	Definition
Ideal	The individual's needs are met to his/her preferred level
No needs	Where needs are met, but not to the preferred level
Some needs	Where there are needs, but these do not have an immediate or longer-term health implication
High-level needs	Where there are needs, and these have an immediate or longer-term health implication

For each domain, we have translated these outcome states into four response options or statements for each domain. The person completing the ASCOT-Carer SCT4 is simply asked a question and presented with the four statements. The outcome states presented above correspond to the four response options for each domain. The response option statements for each question are always ordered with the best outcome state (ideal) at the top and high-level needs at the bottom. The person completing the questionnaire is asked to choose the statement that best fits their experience by ticking the box next to that option.

An example is shown in Box 1 below.

Box 1. An example of question in the occupation domain

Which of the following statements best describes how you spend your time?

When you are thinking about how you spend your time, please include anything you value or enjoy, including leisure activities, formal employment, voluntary or unpaid work, and caring for others.

Please tick (✓) one box

I'm able to spend my time as I want, doing things I value or enjoy	<input type="checkbox"/>
I'm able to do enough of the things I value or enjoy with my time	<input type="checkbox"/>
I do some of the things I value or enjoy with my time, but not enough	<input type="checkbox"/>
I don't do anything I value or enjoy with my time	<input type="checkbox"/>

Scoring the ASCOT-Carer SCT4

The ASCOT-Carer SCT4 SCRQoL cannot be calculated if any of questions have been left blank. All seven questions must be answered.

ASCOT-Carer SCRQoL is a preference-weighted measure of quality of life in carers, which can be used in economic evaluation. The scores are converted into numbers that reflect their relative importance/value to the general population (see Table 3). More detail of how these weights were estimated can be found in the article by Batchelder et al. (2019).

Table 3. A list of the weights for each ASCOT-Carer domain level

Domain	Weighted rating
Occupation	
1. I'm able to spend my time as I want, doing things I value or enjoy	0.171
2. I'm able do enough of the things I value or enjoy with my time	0.159
3. I do some of the things I value or enjoy with my time, but not enough	0.082
4. I don't do anything I value or enjoy with my time	-0.009
Control over daily life	
1. I have as much control over my daily life as I want	0.164
2. I have adequate control over my daily life	0.137
3. I have some control over my daily life, but not enough	0.071
4. I have no control over my daily life	-0.012
Looking after yourself	
1. I look after myself as well as I want	0.128
2. I look after myself well enough	0.120
3. Sometimes I can't look after myself well enough	0.017
4. I feel I am neglecting myself	-0.001
Safety	
1. I feel as safe as I want	0.118
2. Generally I feel adequately safe, but not as safe as I would like	0.062
3. I feel less than adequately safe	0.029
4. I don't feel at all safe	0.006
Social participation and involvement	

1. I have as much social contact as I want with people I like	0.127
2. I have adequate social contact with people	0.112
3. I have some social contact with people, but not enough	0.066
4. I have little social contact with people and feel socially isolated	0.008
Space and time to be yourself	
1. I have all the space and time I need to be myself	0.157
2. I have adequate space and time to be myself	0.137
3. I have some of the space and time I need to be myself, but not enough	0.074
4. I don't have any space or time to be myself	0.000
Feeling supported and encouraged	
1. I feel I have the encouragement and support I want	0.134
2. I feel I have adequate encouragement and support	0.126
3. I feel I have some encouragement and support, but not enough	0.066
4. I feel I have no encouragement and support	0.007

Please note that the preference-weighted scores for all domain levels were adjusted such that the SCRQoL scores for carers valued on a 0 to 1 interval. The weights were anchored such that the state of having an 'ideal state' (state 1111111, level 1 of each domain) was given a value of one (1). The state of having 'high-level needs' (state 4444444, level 4 of each domain) was given a value of zero (0). One seventh of the value of the 'ideal state' (state 1111111) was subtracted from all domains. This value was then divided by the difference between 'ideal state' and 'high-level needs' (Coast et al., 2008; Flynn et al., 2015; Huynh, Coast, Rose, Kinghorn, & Flynn, 2017). This was to ensure that there were relative differences between domain levels.

The overall ASCOT-Carer SCT4 SCRQoL score for carers is calculated by summing the preference-weighted values for the chosen level for each domain.

$$\text{Current SCRQoL} = \text{Weight_Occupation}_L + \text{Weight_Control}_L + \text{Weight_PersonalCare}_L \\ + \text{Weight_Safety}_L + \text{Weight_Social}_L + \text{Weight_Space}_L + \text{Weight_Support}_L$$

This formula produces a summed score ranging between 0 (high-level needs) and 1 (ideal state). Box 2 shows a worked example of the calculation behind the current SCRQoL score for carers.

Box 2. Calculating current ASCOT-Carer SCT4 SCRQoL

For a respondent who reports *no needs* (level 2) in each domain:

Weighted score:

0.159 (occupation) + 0.137 (control over daily life) + 0.120 (personal care) + 0.062 (safety)
+ 0.112 (social participation and involvement) + 0.137 (space and time) + 0.126 (support)

Current SCRQoL for carers = 0.853 (85%)

The simple calculation outlined above can be applied using a range of data analysis tools (MS Excel, SPSS, STATA and so forth).

How do I obtain permission to use ASCOT-Carer SCT4?

You need to complete a licensing form on the web page below. Please complete the correct form, whether **for-profit** or **not-for-profit**.

<https://research.kent.ac.uk/ascot/licensing/>

ASCOT-Carer INT4 is free of charge for **not-for-profit** use but a licence is required. You will receive the ASCOT tool automatically, once you have submitted your form. If you are applying for a licence to use ASCOT-Carer INT4 in a **for-profit** capacity, the application will be reviewed and someone from the University of Kent will contact you.

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