



## HCHS/SOL Question by Question Instructions, San Diego Claudication Form (CLE/CLS), Version A

### General Instructions

The San Diego Claudication Questionnaire provides a standardized and validated assessment of lower extremity ischemic pain on effort, an indicator of (atherosclerotic) peripheral arterial disease. The HCHS/SOL uses the brief version of the San Diego Claudication Questionnaire. This questionnaire is administered only to individuals aged 45 years or older. The questionnaire is administered by a certified HCHS/SOL interviewer.

### Background on Claudication

Reduced blood flow to the lower extremities is usually due to atherosclerotic blockage of the arteries (peripheral arterial disease). One of its manifestations is acute pain in the area of the calf on walking (claudication). Standardized questionnaires have been developed to identify this condition, such as the London School of Hygiene Claudication Questionnaire. The original San Diego Claudication Questionnaire (Criqui MH, Denenberg JO, Bird CE, Fronck A, Klauber MR, Langer RD. The correlation between symptoms and non-invasive test results in patients referred for peripheral arterial disease testing. *Vascular Medicine* 1996;1:65-71) now has a brief, validated version (unpublished).

### Question by Question Instructions

San Diego Claudication Questionnaire can be administered in English or Spanish, in combination with other questionnaires (with the exception of the 24 hour<sup>4</sup> dietary recall). In study participants who are eligible for this questionnaire (45 years of age or older) the interviewer transitions into the San Diego Claudication Questionnaire by mentioning "Now I am going to ask you some questions about when you're walking."

- Q1 Question asks the participant if they are 45 years of age or older. If age is under 45 years of age, do not administer the rest of this form. If yes, continue to Q2.
- Q2 Slowly state the question. If the answer is no, record the response and end questionnaire. If the answer to Q2 is yes, continue to Q3d record the responses.
- Q2a The question assesses in which leg or legs the respondent feels pain or discomfort on walking. FOLLOW SKIP INSTRUCTIONS. That is, if the respondent reports pain or discomfort on walking in the right leg only, administer Question 3 – Question 7, if the respondent reports pain or discomfort in the left leg only, administer Question 8 – Question 12 and if the respondent reports pain or discomfort on walking in both legs, administer Question 3 – Question 12.
- Q3 The question is asked as stated. If the questionnaire is administered in Spanish, the interviewer should be attentive to the fact that “parado(a)” in this question refers to “estar inmóvil o sin estar caminando”.

- Q4 The question is asked as stated.
- Q5 If the participant asks what an ordinary pace is, reply by saying that this is the speed at which the participant usually walks in his/her daily activities.
- Q6 The question is asked as stated. If the participant's response indicates that no particular action is taken in response to the pain or discomfort in the leg, record "continue on." If it is not clear from the participant's response whether he/she continues walking at the same speed or instead stops or slows down, the interviewer probes for clarification without suggesting a response. Neutral probes are used as done for other interviews.
- Q7 The interviewer asks the question as stated and records the answer for the appropriate leg(s). If the participant's response does not make it clear whether the pain/discomfort is lessened or unchanged on standing still, the interviewer uses neutral probes to obtain a response that can be recorded as "lessened or relieved" or "unchanged."