

## Appendix 1. The questionnaire: full English version

### <Questions 1–9: Questions about home oxygen therapy devices>

#### 1. Have you ever used a home oxygen therapy device?

- 1) Yes (Please answer questions 3–9)
- 2) No (Please answer question 2)

#### 2. Are you willing to use an oxygen therapy device if your doctor recommends it?

- 1) I will use it if the doctor says it is necessary. (Please, answer question 9)
- 2) I will not use it even though the doctor says I need it. (Please, answer question 9)

#### 3. Are you currently using a home oxygen therapy device (stationary)?

- 1) Yes, I am currently using it.
- 2) I've used it before but I am not currently using it.

#### 4. Please answer how you use oxygen therapy (multiple answers)

- 1) I use oxygen therapy as prescribed by my doctor, even if I am not short of breath
- 2) I use it when I feel short of breath.
- 3) I use it only during sleep.
- 4) I use it when doing activities (washing, bathroom, eating).
- 5) I use it when traveling (only in a car or vehicle).
- 6) Others (Please specify:      )

#### 5. How many hours per day do you use oxygen on average? (Please answer each item below)

##### 5-1. How many hours per day do you use oxygen at rest?

- 1) 0–2 hours
- 2) 2–4 hours
- 3) 4–8 hours
- 4) 8–12 hours
- 5) Over 12 hours

##### 5-2 How many hours per day do you use oxygen while sleeping?

- 1) 0–4 hours
- 2) 4–8 hours
- 3) Over 8 hours

##### 5-3. How many hours per day do you use oxygen during exercise?

- 1) 0–2 hours
- 2) 2–4 hours
- 3) 4–8 hours
- 4) Over 8 hours

\* Total hours(calculated):

#### 6. What are the disadvantages of using an oxygen therapy device? (Multiple answers are possible) Please list up to 3, in order of priority.

- 1) Noisy. (Noise problem)
- 2) Associated expenses (rent fee, electricity, etc.) are burdensome.
- 3) I didn't feel it was effective (It doesn't seem to help).
- 4) It is inconvenient to move with the oxygen device plugged in.

- 5) My nose hurts, becomes dry, or I catch a cold easily because of the oxygen line
- 6) Others ( )

**7. Was a home oxygen device helpful for your activities and breathing?**

- 1) It was helpful after using it. (Please answer questions 7–1)
- 2) It helped a little after using it. (Please answer question 8)
- 3) I do not know. (Please answer question 8)

**7-1. If it helped, what changes did you feel? (Multiple answers are possible)**

- 1) Relief of shortness of breath
- 2) Feeling that way, the changes
- 3) Improvement of quality of life
- 4) Increased activity time or amount
- 5) Others (Please specify: )

**8. Please write what you hope to be supplemented or improved about using a home oxygen device.**

( )

**9. What is the reason for your reluctance to use oxygen therapy when you are recommended or assumed to be recommended by your doctor? (Multiple answers are possible)**

**Please list up to 3 in order of priority.**

- 1) What other people will think of me (It seems like they look at me strangely or keep staring at me).
- 2) I don't feel I need to use it (I'm short of breath).
- 3) I am afraid that if I use it once, I will continue to have to use it.
- 4) Oxygen seems to be harmful to the body (I'm afraid I'll get addicted).
- 5) It seems costly.
- 6) Others (Please specify: )

**<Question 10–16: Questions about portable oxygen therapy devices>**

**10. Has a doctor ever recommended that you use a portable oxygen therapy device?**

- 1) Yes
- 2) No

**11. If your doctor recommends using a portable oxygen device, are you willing to use it?**

- 1) I will use it if the doctor says it is necessary. (Please answer question 16)
- 2) I will not use it, even if the doctor says it is necessary. (Please answer question 16)
- 3) I do not know. (End of the survey)

**12. Have you ever used a portable oxygen device?**

- 1) Yes, I am currently using it (Please answer question 4)
- 2) Yes, I have used it in the past. (Please answer question 4)
- 3) No, I've never used it.

**13. Did using a portable oxygen device help you to be active?**

- 1) Using it was helpful for activities after wards.
- 2) It didn't help much after using it.
- 3) I do not know.

**14. Please select problems encountered when using a portable oxygen device. (Multiple answers are possible) Please list up to 3 in order of priority.**

- 1) It is heavy and difficult to carry.
- 2) It doesn't seem to be providing enough oxygen.

