

DRUGS REAL WORLD OUTCOME (DRWO)

Patients' perceived importance of medication and adherence in polypharmacy, a quantitative, cross-sectional study using a questionnaire administered in three doctors' private practices in France

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APPENDIX 1: Questionnaire

Part 1: Sociodemographic data

You are: a woman a man

Your age:

Your socioprofessional category:

farmer craftsman, shopkeeper and company manager executive, higher intellectual profession intermediate profession (teacher, nurse, social worker) employee

worker retired no professional activity

Part 2: Girerd adherence questionnaire

Regarding treatments:

1) This morning, did you forget to take your treatment? yes no

2) Since the last consultation, have you run out of medication? yes no

3) Have you ever been late in taking your medication compared with the usual time?
 yes no

4) Have you ever not taken your medication because on some days, your memory fails you? yes no

5) Have you ever not taken your treatment because some days, you feel that your treatment is doing you more harm than good? yes no

6) Do you think you have too many tablets to take? yes no

3. Part 3: Adherence by medication

NAME OF MEDICATION:

1. Have you permanently stopped taking this medication? Yes No

2. If you have to take this medication several times a day, do you routinely skip one of the daily doses? Yes No

3. Do you ever miss taking this medication several days in a row?
(forget, want to take a break, holiday, weekend, travel...)

No, never or 1 day maximum

Yes, sometimes 2–3 days in a row

Yes, sometimes 6–7 days in a row or more

4. Do you ever skip a dose of this medication from time to time?
(forget to take it, don't feel like taking it...)

No, never

Yes, once or twice a month

Yes, once a week or more

5. Do you ever take your medication late compared with the usual time? (tick the box that is closest to you)

Yes, I sometimes delay by 12 hours or more

Yes, I sometimes delay by 4 hours or more

No, I take this medication at about the same time

6. How long have you been taking this medication?

Less than 6 months Between 6 months and a year More than a year

Part 4

1. How important is this medication to your health? Put a cross where you would place this medication.

Not important at all Essential

2. For what reason(s) do you sometimes skip one or more doses of medication or stop taking it at all? (Several answers possible)

- 2.1. I don't feel like taking this medication
 - 2.2. To make it fit better with my needs, my agenda
 - 2.3. Because I have side effects with it or I'm afraid to have them
 - 2.4. Because I think I have too much
 - 2.5. When I feel better or on the contrary, worse
 - 2.6. I sometimes forget to take it
 - 2.7. I sometimes forget to refill my prescription on time
 - 2.8. I don't think this medication is useful
 - 2.9. In order for the treatment to last longer
 - 2.10. Because I was distracted/busy when I usually took it
 - 2.11. Because I was advised against it by someone close to me or by an article I read
 - 2.12. I don't know
 - Other answer(s):
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3. Do you agree or disagree with the following sentence: Taking my medication is something I do automatically.

- agree disagree

Appendix 2: Calculation of adherence scores

Score	Questionnaire used	Score range	Score quotation
General adherence score ²¹	Girerd adherence questionnaire in part 2 (Questions 1–6)	0 [poor adherence] to 6 [perfect adherence]	<p>Score calculated by summing the positive responses</p> <p>Score 0 (poor adherence): 6 positive responses Score 1 (poor adherence): 5 positive responses Score 2 (poor adherence): 4 positive responses Score 3 (poor adherence): 3 positive responses Score 4 (moderate adherence): 2 positive responses Score 5 (moderate adherence): 1 positive response Score 6 (perfect adherence): 0 positive response</p> <p><i>The score has been inverted compared to the original version (0 means the best adherence, and 6, the poorest adherence score)</i></p>

<p>Medication-by-medication adherence score (score used in Figure 1)</p>	<p>Adherence by medication questionnaire in part 3 (Questions 1–5)</p>	<p>1 [medication stopped] to 6 [perfect adherence]</p>	<p>Score 1 (poor adherence/stopping the medication): answer “Yes” to the question 1.</p> <p>Score 2 (very poor adherence): answer “Yes” to the question 2 and/or answer “Yes, sometimes 6–7 days in a row or more” to the question 3.</p> <p>Score 3 (poor adherence): answer “Yes, sometimes 2–3 days in a row” to the question 3 and/or answer “Yes, once a week or more” to the question 4.</p> <p>Score 4 (average adherence): answer “No, never or 1 day maximum” to the question 3 and answer “Yes, once or twice a month” to the question 4 and/or answer “Yes, I sometimes delay by 12 hours or more” to the question 5.</p> <p>Score 5 (good adherence): answer “No, never or 1 day maximum” to the question 3 and answer “No, never” to the question 4 and answer “Yes, I sometimes delay by 4 hours or more” to the question 5.</p> <p>Score 6 (perfect adherence): answer “No, never or 1 day maximum” to the question 3, answer “No, never” to the question 4, and answer “No, I take this medication at about the same time” to the question 5.</p> <p><i>The score has been inverted compared to the original version (1 means the best adherence, and 6, the poorest adherence score)</i></p>
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<p>Intentional nonadherence score</p>	<p>Questions 2.1–2.5, 2.8, 2.9, and 2.11 in part 4</p>	<p>0 [perfect adherence] to 8 [poor adherence]</p>	<p>Score calculated by summing the number of answers ticked among the 8 answers Score 0 (perfect adherence): 0/8 answer ticked Score 1: 1/8 answer ticked Score 2: 2/8 answers ticked Score 3: 3/8 answers ticked Score 4: 4/8 answers ticked Score 5: 5/8 answers ticked Score 6: 6/8 answers ticked Score 7: 7/8 answers ticked Score 8 (poor adherence): 8/8 answers ticked</p>
<p>Unintentional nonadherence score</p>	<p>Questions 2.6, 2.7, and 2.10 in part 4</p>	<p>0 [perfect adherence] to 3 [poor adherence]</p>	<p>Score calculated by summing the number of answers ticked among the 3 answers Score 0 (perfect adherence): 0/3 answer ticked Score 1: 1/3 answer ticked Score 2: 2/3 answers ticked Score 3 (poor adherence): 3/3 answers ticked</p>

<p>Lumped adherence score calculated from the intentional and unintentional nonadherence scores</p>	<p>Questions 2.1–2.10 in part 4</p>	<p>1 [poor adherence] to 4 [perfect adherence]</p>	<p>Score calculated by combining intentional and unintentional nonadherence score calculated just above (sum of number of answers ticked).</p> <p>Score 1 (very poorly adherence): intentional and unintentional nonadherence scores > 0 (at least 1/8 answer ticked for intentional nonadherence score (score 1 to 8) and 1/3 for unintentional nonadherence score (score 1 to 3))</p> <p>Score 2 (poorly adherence): intentional nonadherence score of 0 and unintentional score >0 (0/8 answer ticked for intentional nonadherence score (score 0) and at least 1/3 for unintentional nonadherence score (score 1 to 3))</p> <p>Score 3 (moderately adherence): intentional nonadherence score >0 and an unintentional score of 0 (at least 1/8 answer ticked for intentional nonadherence score (score 1 to 8) and 0/3 for unintentional nonadherence score (score 0))</p> <p>Score 4 (perfect adherence): intentional and unintentional nonadherence scores of 0 (0/8 answer ticked for intentional nonadherence score (score 0) and 0/3 for unintentional nonadherence score (score 0))</p>
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Summary diagram of the lumped score

