

Supplemental Material

Person-fit Feedback on Inconsistent Symptom Reports in Clinical Depression Care

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ROQUA ID: 1 Geslacht: Onbekend Geb.dat.: Onbekend

IDS-SR Inspect responses

Completed at: 28 april 2014

Completed by: Patient

Notes

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Scale	Score	Interpretation
Total score	54	Very severe
Consistency response pattern (experimental)	Inconsistent	The response pattern on the depression questionnaire was identified as possible inconsistent. This could indicate that the total score is not a good reflection of the depression severity. This alert is still in an experimental phase, and should merely be seen as an indication that closer inspection is warranted.

Supplement F1: Screenshot of an implemented person-fit alert in the online routine outcome monitoring system (www.roqua.nl) for the IDS-SR (translated to English). Note that the person-fit alert was not studied real-time, but data was extracted retrospectively and the three psychiatrists that were qualitatively followed-up were also asked in retrospect on causes and potential usefulness on their identified patients.

Person-fit questionnaire

For the current patient, the person-fit statistic identified the response pattern on the depression questionnaire as possible inconsistent. This could indicate that the total score is not a good reflection of the depression severity. We would like to find out what the causes of the inconsistent response pattern could be, by means of a short questionnaire.

Could you explain your answers as clear as possible? For this purpose, could you look up the corresponding patient records, and the completed IDS-SR in Roqua?

Patient: #ID#
Completion date of potential inconsistent IDS-SR: #date#

How familiar are you with the patient?

- Very good Good Reasonable Poor Very poor

Does the inconsistency alert correspond with your own clinical impression of the patient?

- Yes No

Was the total score an under-, over-, or good estimation of the severity of depression?

- Underestimation Overestimation Good estimation

What could be the potential cause of the inconsistent symptom pattern?

- Motivation/concentration problems Presence of isolated symptoms
 Exaggerates or feigns symptoms High psychiatric distress Comorbidity

Please give an extensive explanation

The following questions regard the clinical usefulness of an alert of possible inconsistency in a real clinical setting, at the time when the patient completed the IDS measurement.

Would the alert of possible inconsistency be useful in this case for you as a psychiatrist?

- Yes No

Please give an extensive explanation:

Could the alert of possible inconsistency have led to new insights?

- Yes No

Please give an extensive explanation:

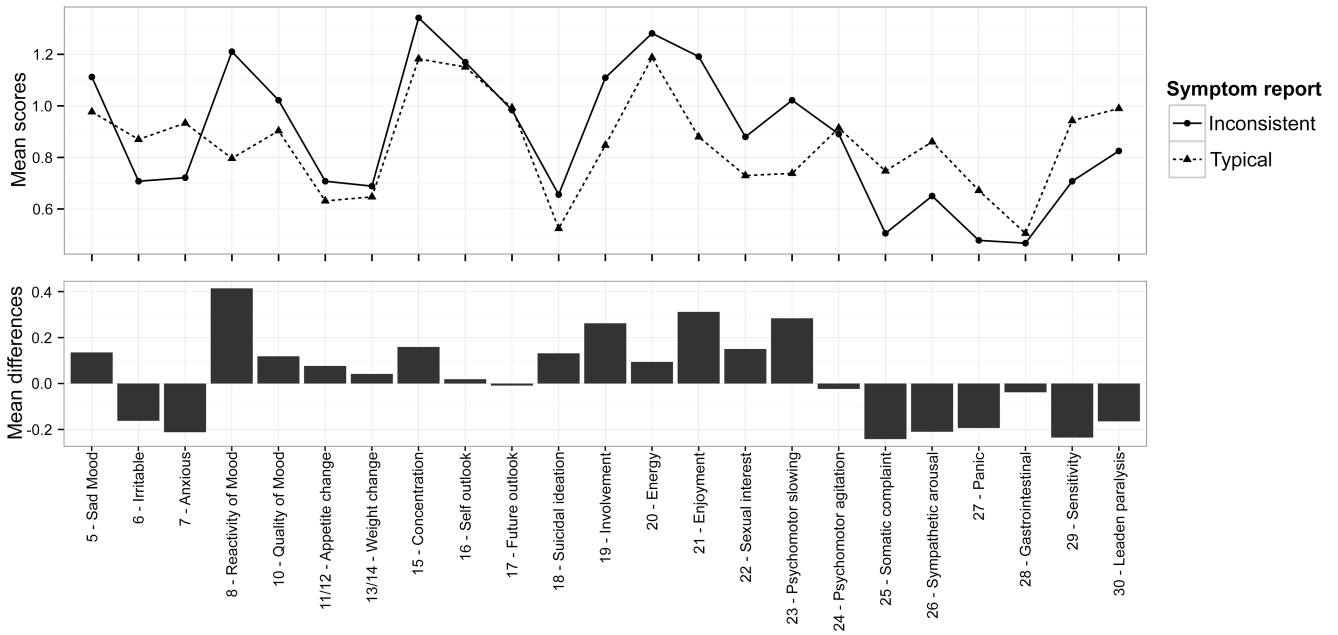
If you got the inconsistency alert at the time of measurement for this patient, what actions would you have taken?

- Nothing Inspect item scores Discuss with patient Inspect patient record

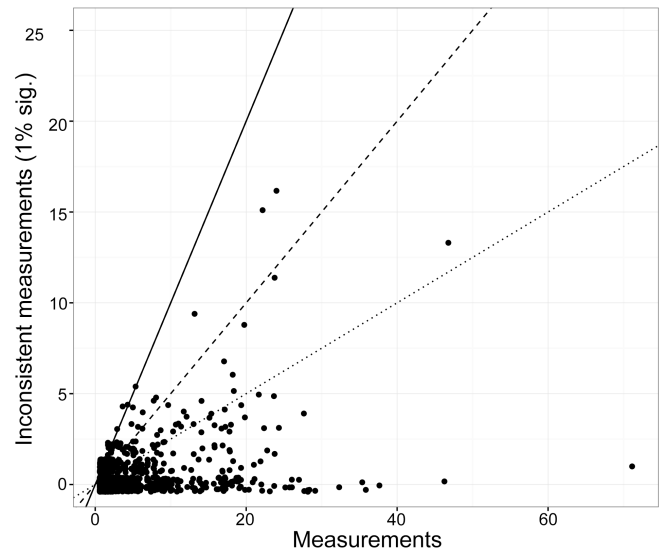
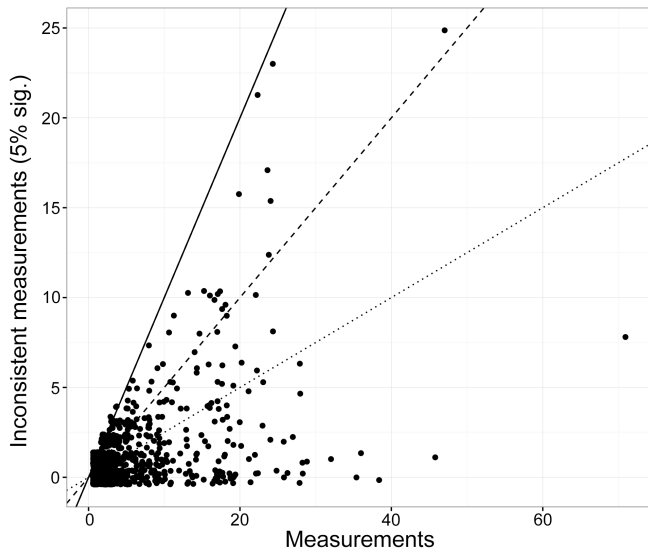
Please give an extensive explanation:

Other remarks regarding the inconsistency alert or the patient:

Supplement F2: Questionnaire used to assess the potential causes and clinical uses of a person-fit alert for the patient identified with inconsistent depressive symptom pattern (translated to English). Psychiatrists were asked to give detailed explanations to each answer (see Tables 2 and 3 in the manuscript).



Supplement F3: Differences in symptom profiles between the inconsistent symptom reports and the symptom reports of typical responders as defined based on person-fit scores, with poor person-fit ($|z| < -2.21$) for atypical patterns and good person-fit for the non-atypical patterns ($|z| > -2.21$). Mean item scores are shown in the top panel with corresponding mean differences (positive scores represent more frequent presence in atypical patterns) in the bottom panel.



Supplement F4: Relation between number of measurements and measurement flagged as inconsistent for each patient at 5% (left) and 1% (right) significance levels. The lines represent the point where all measurements are flagged as atypical (solid), 50% inconsistent (dashed), or 25% inconsistent (dotted).