

OBI Data Quality Framework

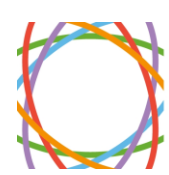
Stage 2 – Missing Data Codes Examples

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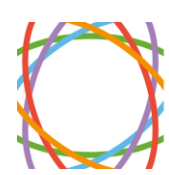
Introduction

The following table covers possible examples of situations that would be explained by the given missing data codes. Should IDP members come across situations where missing data code usage is unclear, please contact the OBI Data Quality team. Examples will be added as needed to ensure common understanding across programs.

Code	Definition	Examples
unable_to_perform	The participant could not participate in the assessment/task due to a physical or cognitive condition.	<ul style="list-style-type: none"> • The participant is asked to draw a clock for part of an assessment but is diplegic and cannot manipulate a pencil • The participant is asked to do a bilateral arm motion task but currently has one arm in a sling • The participant has advanced dementia and is asked to recall how many times they've fallen but cannot recall • The participant has receptive aphasia and cannot understand the instructions for the assessment
task_declined	The participant chose not to participate in the assessment/task or declined to provide a response.	<ul style="list-style-type: none"> • The participant did not provide a response or perform the assessment/task • The datapoint is not available after following up with the participant about a missing datapoint
out_of_time	The participant was unable to complete the assessment/task within the scheduled timeslot.	<ul style="list-style-type: none"> • The completion of assessments took longer than expected and the participant had to leave once the original visit time had ended
admin_error	The administrator of the assessment made a mistake that	<ul style="list-style-type: none"> • The administrator accidentally skipped a question during the assessment



	caused the data to be invalid or otherwise unobtainable	<ul style="list-style-type: none"> • There was a scheduling error/conflict leading to no data being collected • An assessment was administered but deviated from the protocol, rendering it invalid <p>The assessment was performed with inadequately calibrated equipment</p>
technical_error	The equipment or tools (hardware or software) used for data acquisition, collection, or processing failed.	<ul style="list-style-type: none"> • During a reaction time task, the relevant keyboard button was defective • During an MRI scan, the power went out • A wearable device had a defective battery • Data was corrupted
missing_other	Data is missing for a reason that is not explained by any of the available missing data codes. <i>Please use sparingly and provide a description if possible (a comment in REDCap for clinical data if using the Data Quality tools or text box in Missing Data Flagging form).</i>	
value_unknown	The participant could not provide a response to a question because they did not know how to answer it. <i>Clinical only. To be used if the field does not include a “do not know” option.</i>	<ul style="list-style-type: none"> • The participant is asked what the capital of South Dakota is and they do not know • The participant is asked for the date of their most recent concussion and they do not remember
not_applicable	The assessment/task was not performed, or a value could not be derived because it did not apply to the participant. <i>This code should only be used for Level 3 data.</i>	<ul style="list-style-type: none"> • A second type of scan is only conducted if a particular brain lesion is found; the participant did not perform the second scan because no brain lesion was found in the first scan • A questionnaire asks if a participant can organize their own medications, but the participant does not take any medications and the form does not have an option specifying that the participant does not take medications, so the question does not apply
artifacts_present	Data are not usable due to artifacts. <i>Imaging only.</i>	<ul style="list-style-type: none"> • An MRI scan was highly contaminated by artifacts due to participant movement



		<ul style="list-style-type: none">• Electrocardiogram data was unusable due to electrical interference due to poor electrode adhesion
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