

**Table 1: Clinical classification of diagnosis in ADNI dataset**

<b>Diagnosis description</b>	<b>Number of samples with diagnosis at the first time point</b>	<b>Number of samples with diagnosis at the last time point</b>	<b>N samples stable over time</b>	<b>Usage for the analysis</b>
Stable control to control	262	224	200	Controls
Stable MCI to MCI	459	289	267	MCI
Stable AD to AD	47	174	46	AD
Conversion control to MCI	0	20	0	Exclude
Conversion MCI to AD	1	50	0	MCI
Conversion MCI to control	1	8	0	Exclude
Conversion AD to MCI	0	5	0	MCI

Diagnosis description –classification of clinical diagnosis made for each participant and each time-point; 2<sup>nd</sup> column -number of participants of baseline diagnosis and 3<sup>rd</sup> column - numbers of participants at the last point of diagnosis. 4<sup>th</sup> column shows number of participants who did not change their diagnosis at the last assessment from baseline diagnosis. Last column shows clinical classification of individuals based on the last available diagnosis for our analyses.