

For their first manuscript on brain structure in anorexia nervosa the ENIGMA-ED consortium will use the following definition to classify patients according to their state of illness

- 1) Analysis 1: Case-control comparison maximizing sample size: all underweight „acute“ AN
 - a. AN:
 - i. As long as female and at the day of scan BMI 17,5 or < 10th age-adjusted BMI percentile (adolescents)
 - ii. independent from time between start of realimentation/intensive therapy and scanning
 - iii. independent from the fact whether some patients gained weight before scanning
 - b. Healthy female controls = HC

- 2) Analysis 2: Three group comparison including:
 - i. underweight „acute“ AN = acAN
 - ii. partially weight-restored AN = presAN
 - iii. Healthy female controls = HC
 - b. underweight „acute“ AN = acAN, female and BMI 17,5 or < 10th age-adjusted percentile (adolescents) and:
 - i. within 1st week of inpatient treatment independent of weight changes or
 - ii. within 2 weeks of inpatient treatment but have gained less than 1kg since admission or
 - iii. in outpatient/ partial hospitalization program and have gained less than 2kg in the last 4 weeks of outpatient/ partial hospitalization program
 - c. partially weight-restored AN = presAN:
 - i. do not meet criteria for acAN as outlined above under 2b,
 - ii. are currently in some form of treatment (that includes weight gain as a goal)
 - iii. but are also not fully recovered:
 1. i.e. BMI is either < 18,5 or < 10th age-adjusted percentile (adolescents)
 2. or if BMI is >18,5 (must be <19,5) or > 10th (must be <25 percentile) age-adjusted percentile & these patients are still in regular therapy, have no regular menses (unless on birth control) and still show significant ED symptoms.
 - d. Healthy female controls = HC