

Pittsburgh Fatigability Scale – Scoring and Imputation Protocols

Scoring Classification and Nomenclature	Methods	Citations
<p><i>Continuous</i></p> <ul style="list-style-type: none"> • PFS Physical score • PFS Mental score 	<p>Responses to each of the 10 items for physical and mental fatigue are summed to create two separate continuous scores, each ranging from 0 to 50.</p> <p>Higher PFS scores = greater perceived physical or mental fatigability</p>	<p>Glynn et al., JAGS 2015 Renner et al. JAGS 2021</p>
<p><i>Dichotomous</i></p> <ul style="list-style-type: none"> • Perceived physical fatigability • Perceived mental fatigability 	<p>Prevalence (%) of Greater Perceived Fatigability</p> <p>Greater perceived physical fatigability= PFS Physical score ≥ 15 When comparing use: More physical fatigability = ≥ 15; less physical fatigability < 15</p> <p>Greater perceived mental fatigability = PFS mental score ≥ 13 When comparing use: More mental fatigability = ≥ 13; less mental fatigability < 13</p>	<p>Simonsick et al., JAGS 2018; Wasson et al., Ex Gerontol 2018; Schrack et al., JGMS 2020</p> <p>Simonsick et al. JAGS 2018; Wasson et al., Exp Gerontol 2018</p>
<p><i>Categorical</i></p> <ul style="list-style-type: none"> • PFS Physical score Severity Strata • PFS Mental score Severity Strata 	<p>Prevalence (%) of Perceived Fatigability Severity Least severe to most severe</p> <p>Six groups to classify PFS Physical score severity strata: 0-4 (least severe), 5-9, 10-14, 15-19, 20-24, and ≥ 25 (most severe)</p> <p>Six groups to classify PFS Mental score severity strata: 0-3 (least severe), 4-7, 8-12, 13-15, 16-19, and ≥ 20 (most severe)</p>	<p>Simonsick et al., JAGS 2018; Schrack et al., JGMS 2020</p> <p>Simonsick et al., JAGS 2018</p> <p>Cohen et al., JAGS 2021</p>
<p><i>Imputation for Missing Values</i></p>	<p>Algorithm to impute responses for 1-3 missing items (for either physical or mental subscales) using sample-specific data to compute sex-specific correction factors based on whether or not the activities were performed in the past month and the overall sample average for the missing item(s).</p> <p>SAS and STATA code available upon request at website: https://www.publichealth.pitt.edu/epidemiology/research-practice/faculty-research/pittsburgh-fatigability-scale</p>	<p>Cooper et al., Int J Obesity 2018</p>