

Outcome Measure	Impact on Participation and Autonomy (IPA) Questionnaire
Sensitivity to Change	No
Population	Adult
Domain	Participation
Type of Measure	Self-rating scale
ICF-Code/s	d8, d9, d7, d5, d4, d6
Description	<p>The IPA was designed for people with chronic disabilities, including stroke and traumatic brain injury. It was originally published as a 23-item scale and has revised 39-item and 41-item versions.</p> <p>The revised 39-item version of the IPA is made up the first 32 items measuring “perceived participation” in five domains: Autonomy indoors (7 items), Family role (7 items), Autonomy outdoors (5 items), social relations (6 items) and Work and educational opportunities (6 items), and a final domain measuring “perceived problems” with 8 items.</p> <p>Items in the five “perceived participation” domains are rated on a 5-point scale: 1 (very good), 2 (good), 3 (fair), 4 (poor) and 5 (very poor). Items for the “perceived problems” domain are rated on a 3-point scale: 0 (no problem), 1 (minor problems), and 2 (severe problems). The website 41-item version uses a score range of 0 to 4. Scores are summed for each domain separately, with higher scores indicating greater restrictions in participation.</p> <p>The IPA was designed for self-administration and administration time is approximately 20-30 minutes.</p>
Properties	<p>See Cardol et al. (2001) for further detail.</p> <p><i>Concurrent validity:</i> SF-36-Physical was weakly correlated with Autonomy indoors: $r = -.43$, with Family role: $r = -.49$, with Autonomy outdoors: $r = -.51$ and with social relations: $r = -.26$</p> <p><i>Internal Consistency</i> is excellent for all domains: Autonomy indoors ($\alpha = .91$), Family role ($\alpha = .90$), Autonomy outdoors ($\alpha = .81$), Social relations ($\alpha = .86$), work/education ($\alpha = .91$)</p> <p><i>Convergent validity</i> is higher with similar constructs (IPA-Autonomy outdoors with LHS-Mobility: $r = -.55$, IPA-Social relations with London Handicap Scale (LHS)-Social: $r = -.51$) and lower with dissimilar constructs (IPA-Autonomy indoors with LHS-Economic: $r = -.01$).</p> <p><i>Discriminant Validity:</i></p> <ul style="list-style-type: none"> • Poor correlation between the IPA Scale domains and the LHS domains ($r = -0.29$ to 0.01) • Poor correlation between IPA domain of social relationships and the SF-36 physical domain ($r = -0.36$) • Poor correlation between IPA domain of social relationships and

	<p>the SIP physical domain ($r = -0.16$)</p> <p><i>Inter-Rater Reliability</i>: Not applicable as IPA is self-administered</p> <p><i>Test-Retest Reliability</i> over 15 days is excellent for all domains (ICC = .83-.91).</p>
Advantages	Client centered measure as it focuses on autonomy and participation as opposed to ability and capacity
Disadvantages	<p>Relatively lengthy instrument</p> <p>Low responsiveness</p>
Additional Information	
Reviewers	Jenny Fleming

References

Cardol, M., Beelen, A., van den Bos, G. A., de Jong, B. A., de Groot, I.J., & de Haan, R. J. (2002). Responsiveness of the Impact on Participation and Autonomy Questionnaire. *Archives of Physical Medicine and Rehabilitation*, 83(11), 1524-1529.