Title of measure:  
International Index of Erectile Function (IIEF)

This summary was last revised 2 May 2011.

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Overview:  
The IIEF is a brief 15-item, self-administered questionnaire that was developed as a measure to detect treatment-related erectile function in patients in cross-cultural settings. Relevant cross-cultural domains of sexual function were identified via the literature and were reviewed and endorsed by an international panel of experts. These include: Erectile Function (6 items), Orgasmic Function (2 items), Sexual Desire (2 items), Intercourse Satisfaction (3 items) and Overall Satisfaction (2 items). The IIEF was positively correlated with clinical interviews of sexual function but not with measures of marital adjustment and social desirability, exhibiting acceptable convergent and divergent validity.

There are 2 versions of the IIEF. Version 2 was recently released and the changes were in response to recent issues raised by ethics committees, i.e. "vaginal penetration (entry)" has been replaced by "sexual penetration" in the instructions. This term had been removed because of its discriminatory nature against homosexual men. RTOG studies to date have used Version 1.

Validated:  
Psychometric validations: Yes  
Linguistic validation: The IIEF has undergone linguistic validation in several languages.

Psychometric Properties/References:  
Psychometric testing and a principal components analysis identified five factors with eigenvalues greater than 1.0: erectile function, orgasmic function, sexual desire, intercourse satisfaction, and overall satisfaction. Internal consistency was high with Cronbach’s alphas for the five domains ranging from .73 to .92 with an overall alpha of .91. Scale reliability was determined with high test-retest correlation coefficients ranging from r = 0.64 to r = 0.84 depending on the domain. Discriminant validity was demonstrated by the scales’ ability to differentiate between patients with ED and age-matched controls.
Normative Data:
There is only one study which examined the normalization of IIEF scores. Dinsmore et al., (1999) evaluated the degree to which sildenafil treatment normalized IIEF responses of erectile dysfunction patients compared with a group of age-matched controls who were not treated in a double-blind, flexible-dose treatment with sildenafil or placebo. The age-matched controls were without clinically documented erectile dysfunction. After treatment, mean IIEF scores for patients receiving sildenafil approached values observed in control subjects and were significantly higher than mean scores for patients receiving placebo (P<0.01).

Clinical Significant Changes:
Not available

Contact Information:
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http://www.mapi-trust.org/services/questionnairelicensing/cataloguequestionnaires/132-iief

User Agreement:
Two original copies of the User Agreement and/or Translation Agreement completed, dated and signed must be sent to Mapi Research Trust by post, (http://www.mapi-trust.org/images/stories/agreements/iief_useragreement_final_2.0_january2011.doc).

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Fees for use:
Copyright
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Distribution fees:
Distribution fees are requested according to the study design and context of use of the questionnaire.
Access is free of charge within the framework of non-funded academic research and individual clinical practice, i.e., “…if the project is not explicitly funded, but funding comes from overall departmental funds or from the University or individual funds then fees are waived.”

Access to the IIEF for a use in funded academic research (projects receiving funding from commerce, government, EU should anticipate paying the corresponding fees) is subject to a distribution fee payable to Mapi Research Trust, of an amount of 250 (two hundred and fifty) Euro per study plus an additional 20 (twenty) Euro per language version requested.

Access to the IIEF for a use in commercial studies involving "for-profit" organizations (CRO, industry) is subject to a distribution fee payable to Mapi Research Trust, of an amount of 550 (five hundred and fifty) Euro per study plus an additional 70 (seventy) Euro per language version requested.

Languages Available:
There are 32 translations of the IIEF. A listing of existing translations can be found at: http://www.mapi-research.fr/i_03_list_sedu.htm#iief.
Note: Not all of the translations have undergone a full linguistic validation.

Instructions for CRAs and or credentialing for administration:
None

Quality Assurance for Administration (if needed):
Not Applicable.

Time required to administer instrument:
No specific reference found.

Scoring of the Instrument:
Responses are recorded on a Likert-type scale with response choices over a 5 or 6 point scale for items 1-10 and 11-15 respectively. The lower anchor for the 6 point Likert-type scale is 0 while the highest rating is 5. The 5 point Likert-type scale ranges from 1 to 5 with 1 representing the lower anchor.

The items are not weighted and total scores range from 5 to 75. The domain scores are computed by summing the scores for each individual item in each domain.
The sub-scales scores range as follows:
  Erectile Function: 1-30
  Orgasmic Function: 0-10
  Sexual Desire: 2-10
  Intercourse Satisfaction: 0-15
  Overall Satisfaction: 2-10
On the Erectile Function sub-scale lower scores indicate worse erectile dysfunction, while on the remaining sub-scales higher scores indicate less dysfunction.

**Interpretation and Analysis of Missing Data**

All items have to be completed. A missing response to an item makes both the item score and the sub-scale score missing.

**References:**


