Reviewer ID: Nicole Elfring, Matthew Quéréé

Type of Outcome Measure: Emotional Quality of the Relationship scale
Total articles: 3

<table>
<thead>
<tr>
<th>Author ID Year</th>
<th>Study Design</th>
<th>Setting</th>
<th>Population (sample size, age) and Group</th>
</tr>
</thead>
</table>
| Kreuter et al. 1996 | Controlled survey | Post-discharge community setting | SCI n= 75 (64 male, 11 female)  
Mean age: 33 years (range 19-76)  
Control n= 155 (119 male, 36 female)  
Mean age: 30 years (range 19-79)  
38% tetraplegia Frankel A, B, or C  
12% tetraplegia Frankel D  
32% paraplegia Frankel A, B, or C  
18% paraplegia Frankel D |
| Kreuter et al. 1994a | Telephone interview and mailed questionnaires | Post-discharge community setting | 49 partners of individuals with SCI, living outside the hospital for minimum 1 year  
2 groups:  
Group 1: relationships established pre-injury  
Length of relationship: 3.5 -51 yrs (median 24 years)  
Partners: 19 female, 7 male  
Age of partners: 21-79 yrs (median 51 yrs)  
Group 2: relationships established post-injury  
Length of relationship: 1-8 yrs (median 2 years)  
Partners: 20 female, 3 male  
Age of partners: 18-45 (median 28 yrs) |
| Kreuter et al. 1994b | Telephone interview and mailed questionnaires | Post-discharge community setting | 49 partners of individuals with SCI, living outside the hospital for minimum 1 year  
2 groups:  
Group 1: relationships established pre-injury  
Length of relationship: 3.5 -51 yrs (median 24 years)  
Partners: 19 female, 7 male  
Age of partners: 21-79 yrs (median 51 yrs)  
Group 2: relationships established post-injury  
Length of relationship: 1-8 yrs (median 2 years)  
Partners: 20 female, 3 male  
Age of partners: 18-45 (median 28 yrs) |

1. RELIABILITY

<table>
<thead>
<tr>
<th>Author ID</th>
<th>Internal Consistency</th>
<th>Test-retest, Inter-rater, Intra-rater</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kreuter et al. (1994a)</td>
<td>Internal consistency, determined by Cronbach's alpha was 0.85</td>
<td>No data available</td>
</tr>
<tr>
<td>Kreuter et al. (1994b)</td>
<td>Internal consistency, determined by Cronbach's alpha was 0.86</td>
<td>No data available</td>
</tr>
</tbody>
</table>
2. VALIDITY

<table>
<thead>
<tr>
<th>Author ID</th>
<th>Validity</th>
</tr>
</thead>
</table>
| Kreuter et al. 1996 | **Emotional Quality of the Relationship scale**  
SCI persons:  
Sexual Behaviour Scale: r=0.45, (P<.001)  
Hospital Anxiety and Depression Scale: r=-0.38, (P<.01)  
Quality of Life (VAS): r=0.37, (P<.01)  
Other determinants of emotional quality of relationship: r=0.17-0.61, *significance either (P<.001, P<.01 or n.s.)  
Controls:  
Sexual Behaviour Scale: r=0.54, (P<.001)  
Hospital Anxiety and Depression Scale: r=-0.38, (P<.001)  
Quality of Life (VAS): r=0.44, (P<.001)  
Other determinants of emotional quality of relationship: r=0.28-0.60, (P<.001) |
| Kreuter et al. 1994a | Seven items relating to emotional intimacy, affection and communication were combined to form the Emotional Quality of the Relationship (EQR) scale. Standard methodology to ensure construct validation of these two scales included calculation of Cronbach's alpha (0.96 and 0.85 respectively) and principal components analyses. |
| Kreuter et al. 1994b | Emotional Quality of the Relationship and Sexual Interest, Activity and Satisfaction: r=0.55  
Principal Component Analysis  
Factor loadings on the principal factor ranged between 0.65-0.85 confirming the unidimensionality of the scale. |

3. RESPONSIVENESS – no data available

4. FLOOR/CEILING EFFECT – no data available

5. INTERPRETABILITY

<table>
<thead>
<tr>
<th>Author ID</th>
<th>SEM, MDC, MCID, normative data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kreuter et al. 1996</td>
<td>Mean (SD) EQR score: 22.1 (4.0)</td>
</tr>
<tr>
<td>Kreuter et al. 1994a</td>
<td>The range of scores on the Sexual Behaviour scale was 7-49 (mean 30.7 ± 13.5; median value 32.5), and that for the Emotional Quality of the Relationship scale was 7-28 (mean 22.5 ± 4.8; median value 24).</td>
</tr>
</tbody>
</table>
| Kreuter et al. 1994b | Partner rating for EQR Mean (SD) scores:  
Partner in pre-injury relationship: 21.6 (5.0), median: 23  
Partner in post-injury relationship: 23.9 (3.9), median: 25 |