

Reviewer ID: Nicole Elfring, Marzena Zhou, Gurmaan Gill			
Type of Outcome Measure: Skin Management Need Assessment Checklist (SMNAC)			Total articles: 4
Author ID Year	Study Design	Setting	Population (sample size, age) and Group
Berry & Kennedy 2003	Methodological, consecutive series study	Tertiary care, spinal cord injury centre (National Spinal Injuries Centre), Stoke Mandeville Hospital, UK.	N=43 (38M, 5F) Mean age=42.19±14.6 13.9% complete tetraplegia 37.2% incomplete tetraplegia 23.3% complete paraplegia 25.6% incomplete paraplegia Mean (SD) time since injury = 17.5 (13.2) weeks
Berry et al. 2004	Methodological consecutive series study	Spinal Cord Injuries rehabilitation unit	N=317 Mean age=41±17.4 Traumatic or non-traumatic SCI
Gelis et al. 2011	Methodological cross-cultural adaptation and reliability study	Not specified	N=138 (103M, 35F) Mean age: 45.9±14.9y Mean time since injury = 94 months SCI AIS A: 83 AIS B: 16 AIS C: 15 AIS D: 14 <i>(Note: above AIS scores do not add up to total sample size but the article reported these numbers)</i> Lesion level: 49 cervical, 89 upper and lower back Etiology: 112 traumatic, 26 medical
Gelis et al. 2018	Cross-sectional study	Six spinal cord centres	N=132, 75% male Mean age (SD): 45.9 (14.9) Mean duration (SD): 7.8 (10) 103 traumatic 29 non-traumatic AIS level: 84 level A 17 level B 16 level C 15 level D
1. RELIABILITY			
Author ID	Internal Consistency	Test-retest, Inter-rater, Intra-rater	
Berry & Kennedy 2003	No data available	Test-retest (Pearson's r correlation):	
		Subscale:	r:
		ADL	0.884

		Skin management	0.904
		Bladder management	0.694
		Bowel management	0.783
		Mobility	0.883
		Wheelchair and equipment	0.883
		Community preparation	0.830
		Discharge coordination	0.805
		Psychological issues	0.748
Berry et al. 2004	$\alpha = 0.851$		
Gelis et al. 2011	No data available	Test-retest: ICC=0.899 (CI 95%: 0.862-0.927).	
Gelis et al. 2018	$\alpha = 0.907$		

2. VALIDITY

Author ID	Validity
Berry et al. 2004	Subgroups: Negative correlation between age and skin management except individuals with complete tetraplegia. Correlations: incomplete tetraplegia (r = -0.22, n=100, P=.029, 2 tailed), complete paraplegia (r = -0.22, n=81, P=.045, 2 tailed), and incomplete paraplegia (r = -0.27, n=84, P=.013, 2 tailed) No significant difference between gender and SMnac scores.
Gelis et al. 2018	Correlations of modified SMNAC with: Rosenberg scale: r = 0.25 Active coping: r = 0.29 HADS: r = -0.43 Time since injury: r = 0.49

3. RESPONSIVENESS

Author ID	Responsiveness
Berry et al. 2004	Significant differences between first score and second scores (mean days =103±66) using paired-sample t-test (t = -24.38, df = 186, P<.001)

4. FLOOR/CEILING EFFECT – no data available

5. INTERPRETABILITY

Author ID	Interpretability																																								
Berry & Kennedy 2003	SMNAC score and clinically relevant values (SEM and MDC calculated from data obtained from Berry & Kennedy 2003):																																								
	<table border="1"> <thead> <tr> <th>Subscale:</th> <th>Mean (SD) score:</th> <th>SEM</th> <th>MDC</th> </tr> </thead> <tbody> <tr> <td>ADL</td> <td>59.07 (25.88)</td> <td>8.81</td> <td>24.43</td> </tr> <tr> <td>Skin management</td> <td>25.67 (10.54)</td> <td>3.27</td> <td>9.05</td> </tr> <tr> <td>Bladder management</td> <td>22.81 (7.23)</td> <td>4.00</td> <td>11.09</td> </tr> <tr> <td>Bowel management</td> <td>13.91 (6.27)</td> <td>2.92</td> <td>8.10</td> </tr> <tr> <td>Mobility</td> <td>24.28 (13.30)</td> <td>4.55</td> <td>12.61</td> </tr> <tr> <td>Wheelchair and equipment</td> <td>46.09 (27.27)</td> <td>9.33</td> <td>25.86</td> </tr> <tr> <td>Community preparation</td> <td>39.28 (12.73)</td> <td>5.25</td> <td>14.55</td> </tr> <tr> <td>Discharge coordination</td> <td>47.86 (25.52)</td> <td>11.27</td> <td>31.24</td> </tr> <tr> <td>Psychological issues</td> <td>45.49 (7.99)</td> <td>4.01</td> <td>11.12</td> </tr> </tbody> </table>	Subscale:	Mean (SD) score:	SEM	MDC	ADL	59.07 (25.88)	8.81	24.43	Skin management	25.67 (10.54)	3.27	9.05	Bladder management	22.81 (7.23)	4.00	11.09	Bowel management	13.91 (6.27)	2.92	8.10	Mobility	24.28 (13.30)	4.55	12.61	Wheelchair and equipment	46.09 (27.27)	9.33	25.86	Community preparation	39.28 (12.73)	5.25	14.55	Discharge coordination	47.86 (25.52)	11.27	31.24	Psychological issues	45.49 (7.99)	4.01	11.12
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