Author Year Country Research Design Score Total Sample Size	Methods	Outcome
Kooijmans et al. (2020) Netherlands Observational N=268	<b>Population:</b> Mean age: 47.7yr; Gender: males=197, females=71; Motor complete SCI=221; Mean time since injury: 24yr. <b>No Intervention:</b> Participants completed two questionnaires during an aftercare SCI check- up. <b>Outcome Measures:</b> Spinal Cord Independence Measure III (SCIM-III), Physical Activity Scale for Individuals with Physical Disabilities.	<ol> <li>Exercise self-efficacy was significantly related to the level of daily physical activity (β=0.05; 95% CI 0.04–0.07; 15% explained variance; p&lt;0.001) based on a univariate regression analysis.</li> <li>There was a significant association between self-efficacy and performing sports activities (LOG β = 0.04, 95% CI 0.03–0.06), as well as daily activities that are not sports related (LOG β = 0.01, 95% CI 0.02–0.05).</li> </ol>
Hansen et al. (2020) Denmark Observational N=181	<ul> <li>Population: Mean age: 48±14yr; Gender: males=86, females=95; Level of injury: tetraplegia=22, paraplegia=81, unknown=11; Level of severity: complete=59, incomplete=50, unknown=5.</li> <li>No Intervention: Manual wheelchair users (MWCUs) completed a 15-20min survey containing three sections: demographic information, self-reported physical activity level (PAL), and perception of barriers to physical activity participation.</li> <li>Outcome Measures: Barriers to Physical Activity Questionnaire for People with Mobility Impairments (BPAQ-MI).</li> </ul>	<ol> <li>There were no significant differences in any demographic variables between participants (p&gt;0.162).</li> <li>The 5 most prevalent barriers included 2 intrapersonal and 3 community barriers.</li> <li>The 5 most severe individual barriers included 1 organizational and 4 community barriers.</li> <li>PAL was inversely associated with total intrapersonal (r=-0.487, p&lt;0.01) and overall (r=-0.241, p&lt;0.01) impact and the intrapersonal "health" (r=-0.477, p&lt;0.01) and "beliefs/attitudes" (r=-0.307, p&lt;0.01) subdomains.</li> <li>The "health" subdomain impact score was independently associated with PAL (p&lt;.001).</li> </ol>
Postma et al. (2020) Netherlands Observational NI <sub>nitial</sub> =47, N <sub>Final</sub> =38	<ul> <li>Population: Mean age: 54.5yr; Gender: males=25, females=22; Injury: Tetraplegia AIS C=1, Tetraplegia AIS D=22, Paraplegia AIS C=3, Paraplegia AIS D=21; Mean time since injury: 89.6d.</li> <li>No Intervention: Participants wore an Activ8 sensor and were evaluated 2wk prior to discharge and at 6mo and 1 year post discharge from inpatient rehabilitation to evaluate changes in duration of physical activity and sedentary behavior.</li> <li>Outcome Measures: Level of physical activity.</li> </ul>	<ul> <li>The duration of physical activity and sedentary behavior changed between discharge and 6mo by 21min/d (p=0.004) and -64min/d (p&lt;0.001), respectively. It remained stable from 6mo to 1yr.</li> <li>Largest proportion of physical activity was walking which increased over time from 60% to 84%, while wheeling decreased from 24% to 3%.</li> <li>Mean physical activity at 1yr post discharge was 116±59min/d, with 21% being active &lt;60min/d.</li> <li>Older age and lower ambulation level were associated with lower physical activity (p&lt;0.05).</li> <li>Lower ambulation level with higher sedentary behavior and tetraplegia were associated with reduced increase in physical activity.</li> </ul>
Santino et al. (2020) Canada Observational N=170	<b>Population:</b> Age: <55yr=54, >55yr=116; Gender: males=136, females=34; I Injury: Incomplete paraplegia=40, Complete paraplegia=40, Incomplete tetraplegia=58,	<ol> <li>The mean minutes per week of moderate and heavy leisure time physical activity was 255.25±457.59.</li> </ol>

	Complete tetraplegia=30, missing=2; Time		
	since injury: <10yr=48, 10+yr=122.		
	No Intervention: Participants completed		
	various measures during a telephone interview.		
	Outcome Measures: Leisure Time Physical		
	Activity Questionnaire for People with SCI,		
	<b>Population:</b> Mean age: 34.3yr; Gender:	1.	From pre to post injury, 58.7% reported a
	males=57, females=18; Level of injury:		decrease in LTPA, 24% no change and 17.3%
	cervical=25, thoracic=25, lumbar=25; Mean		an increase.
	time since injury: 7.2yr.	2.	Based on level of injury, a decrease in LTPA
	<b>No Intervention:</b> Participants completed a		was reported for 52% of the cervical group,
	custom questionnaire pertaining to their leisure		68% thoracic group and 56% lumbar group.
	time physical activities (LTPA). Medical	3.	65.3% of participants were currently
	charts were also used to extract injury data.		practicing LTPA: 56% of cervical group, 60%
	Outcome Measures: Frequency of LIPA,		of thoracic group and 80% of lumbar group.
	Barthel Index.	4.	44% reported doing individual activities as
Variante al stal			LIPA, 16% both individual and group
(2018)		5	The time between SCI and commitment to
(2010) Poland		5.	I the time between SCI and communent to I TPA was $\leq 1$ yr for $40\%$ 1-3 yr for $20\%$ 4-5 yr
Observational			for 2.7% and $\geq 6$ for 2.7% of participants
N=75		6	34 7% said it was their own decision to
14 75		0.	engage
		7.	Frequency of LTPA for total sample was 3-4
			times/wk for 32 and 2-4 times/wk for 11.
		8.	Of those working out 3-4time/wk. 9 were from
			the cervical group, 11 thoracic, and 12 the
			lumbar group.
		9.	Of those working 2-4 times/wk, 4 were from
			the cervical group, 1 thoracic and 6 lumbar.
		10.	Participants with higher physical
			independence (higher score in BI) engaged in
			physical exercises proportionality more often.
	<b>Population:</b> <i>Exercise Group</i> $(n=63)$ : Gender:	1.	Participants in both the exercise and non-
	males=58, females=6; Mean age=38.81yr;		exercise group showed similar motivation
	Level of injury: T2-L5; Severity of injury: AIS		towards exercise.
	A-B; Mean time since injury: 173.8mo. Non-	2.	The most important motive to practice or to
	<i>Exercise Group (n=42):</i> Gender: males=32,		adhere to exercise was ill health avoidance,
Ferri-Caruana et	females=10; Mean age=46.24yr; Level of	2	the second was fitness.
al.(2020)	injury: 12-15; Severity of injury: AIS A-B;	3.	Motives that distinguished the exercise group
Spain	Mean time since injury: 1/1.61mo.		from non-exercise group included enjoyment
Observational	No Intervention: Participants completed the		and revitalization ( $p<0.05$ ), competition ( $p<0.05$ ), and health processing ( $p<0.01$ )
N=106	which accesses medianosing reasons for the	4	(p<0.05), and nearin pressure $(p<0.01)$ .
	practice of physical exercise	4.	notivation was found to relate to the type of
	Outcome Measures: Exercise Motivations	5	Sports players showed a significantly higher
	Inventory (FML2)	5.	score for competition and enjoyment and
	mventory (Livii-2).		revitalization than physical evercisers
			(n < 0.05)
	<b>Population:</b> Age=53.8±11.2vr.: Gender:	1.	After controlling for mobility, perception of
Taran et al. (2018)	males=41, females=15; Level of injury:		the impact of pain was highly negatively
Canada	paraplegia=33, tetraplegia=23; Level of		associated with life satisfaction.
Secondary analysis	severity: ASIA A=46%, B=14%, C=18%,	2.	LTPA was associated with life satisfaction.
of Rocchi et al. 2017	D=21%, E=1%; Time since		accounting for an additional 13% of variance.
N=56	injury=20.6±13.7yr.	3.	Standardized regression coefficient between
			perception of the impact of pain and life

*Subset of population from Rocchi et al. 2017	No Intervention: Secondary analysis. Intervention completed in study being analyzed. Outcome Measures: Leisure Time Physical Activity Questionnaire (LTPAQ), Satisfaction with Life Scale (SWLS). Impact of pain		satisfaction did not change after adding LTPA to the model, which shows the independent association of LTPA and perception of pain with life satisfaction.
Jorgensen et al. (2017) Sweden Observational N=119	<ul> <li>Population: Mean Age=63.5±8.7yr; Gender: Males=84, Females=35; Level of Injury: C1- L5; Severity of Injury: AIS A-C=60, D=59; Mean Time Since Injury=23.9±11.7yr.</li> <li>No Intervention: Review of data from the Swedish Aging with SCI Study to assess participation in leisure time physical activity (LTPA) among older adults with long-term SCI.</li> <li>Outcome Measures: Physical activity recall assessment for people with Spinal Cord Injury (PARA-SCI), intensity, type and duration of physical activity.</li> </ul>	1. 2. 3. 6.	Of the total population, 29% reported no LTPA, while 53% performed moderate-to- heavy intensity LTPA. The mean minutes per day of total LTPA where 34.7, while moderate-to-heavy was 22.5. The most frequently performed activities were walking (32%), wheeling (25%) and general fitness (24%). Sociodemographic, injury characteristics and secondary health conditions explained 10.6% and 13.4% of the variance in total and moderate-to-heavy LTPA. Age and wheelchair use were significantly, negatively associated with total LTPA (p<0.05). Women, wheelchair users and employed participants performed significantly less moderate-to- heavy LTPA than men, those using walking devices/no mobility device and unemployed participants ( $m \le 05$ )
Perrier et al. (2017) Canada Observational N=695	<ul> <li>Population: Mean age: 46.81±13.41yr; Gender: males=528, females=167; Injury etiology= Traumatic, Mean time since injury: 15.19yr±11.10yr.</li> <li>No Intervention: Cross sectional analysis to examine daily activity time.</li> <li>Outcome Measures: Daily self reported activity time across 36 different activities. Relationships between variables and activity time.</li> </ul>	1.	Participants ( $p<.05$ ). Participants reported significantly more minutes per day spent on mild-intensity than moderate-intensity ( $p<0.0001$ ) or heavy- intensity activities ( $p<0.0001$ ). More minutes per day were also spent in moderate- versus heavy-intensity daily activities ( $p<0.0001$ ). There were significant between-group differences for education groups with regard to minutes per day of mild-intensity daily activities, $p<0.01$ . There were also between- group differences for injury severity categories with regard to minutes per day of heavy- intensity activities, $p<0.01$ . Participants with an injury classified as AIS A–C, C1–C4 or AIS A–C, T1–S5 reported significantly fewer minutes per day of heavy-intensity activities than those classified as AIS D.
Rauch et al. (2017) Germany Observational N=485	<ul> <li>Population: Mean age: 52.8yr; Gender: males=357, females=128; Injury: Incomplete paraplegia=169, Complete paraplegia=159, Incomplete tetraplegia=100, Complete tetraplegia=55, missing=2; Mean time since injury: 17.3yr.</li> <li>No Intervention: Secondary analysis of Swiss Spinal Cord Injury Cohort Study.</li> <li>Outcome Measures: Self-reported Spinal Cord Independence Measure, Physical Activity Scale for Individuals with Physical Disabilities, SF-36 five-item Mental Health Index, Nottwil Environmental Factors</li> </ul>	1. 2. 3.	Older age decreased, but being a manual wheelchair user increased the odds of being physically active and achieving the World Health Organization recommendations on physical activity. Social support and self-efficacy increased odds of being physically active. Use of intermittent catheter increased and dependency in self-care mobility and coping with emotions decreased odds for achieving the World Health Organization recommendations on physical activity.

	Inventory Short Form Purpose in Life Test		
	Short Form		
<u> </u>	Deputations Mean ages 52 00-m Cardan	1	Of the adulta with SCI interviewed 260/ 1
	<b>Population:</b> Mean age: 52.99yr; Gender:	1.	Of the adults with SCI interviewed, 30% and
	males=54, females=18, undisclosed=1; Level		19% were meeting the aerobic and resistance
	of injury: Paraplegia=41, Tetraplegia=28,		guidelines, respectively.
	undisclosed=4; Level of severity: AIS A=,33	2.	12% of the sample met both aerobic and
	AIS B=10, AIS C=13, AIS D=15; Mean time		resistance requirements.
	since injury: 19.99yr.	3.	44% of the sample reported no physical
	No Intervention: Individuals completed a		activity at all.
	questionnaire by telephone. The questionnaire	4.	No demographic or SCI characteristics
Possibilital $(2017)$	was completed twice, once in response to		predicted meeting the aerobic or resistance
Corada	aerobic activities and one for resistance		physical activity guidelines when compared
Observational	activity. Physical activity levels were		with the no activity or some activity
NI-72	compared to SCI specific physical activity		groupings.
N=/3	guidelines. Aerobic guideline was at least 2	5.	Autonomous motivation was a significant
	sessions (at least 20min each) of moderate to		correlate where individuals with an
	vigorous intensity aerobic activity in last 7		autonomous motivation for physical activity
	days. The resistance guideline was similar (2		were more likely to meet the guidelines than
	sessions in last 7 days).		not.
	<b>Outcome Measures:</b> Leisure Time Physical	6.	Manual wheelchair users were more likely to
	Activity Questionnaire for People with SCI	0.	meet both the aerobic and resistance
	(LTPAO-SCI) Treatment Self-Regulation for		guidelines compared to those reporting some
	Exercise Questionnaire		activity
	Population: Mean age: 52 Ovr: Gender:	1	The median total time for all physical
	males=357 females=128: Severity of SCI:	1.	activities per week was 6 0hr
	Complete paraplegia=150 Incomplete	2	Participants spent the most time (median
	paraplagia=160 Complete tetraplagia=55	۷.	2 2hr) performing sports of light intensity
	parapiegia-109, Complete tetrapiegia-55,	2	2.2111) performing sports of light intensity.
	time since initial 17 2m	э.	Participants with complete paraplegia, manual
	time since injury: 17.3yr.		wheelchair users, and time since injury 16-
	No Intervention: Participants completed a		25yr spent the most median time on sports of
	survey examining physical activity levels.		moderate intensity.
	Outcome Measures: Four items from the	4.	Participation was lowest for strenuous sporting
	Physical Activity Scale for Individuals with		activities and muscle-strengthening exercises.
	Physical Disabilities, Spinal Cord	5.	People 71 and older, women, people with
Rauch et al. (2016)	Independence Measure.		complete tetraplegia and users of electric
Germany			wheelchairs showed the lowest total physical
Observational			activity times.
N=485		6.	18.6% of the sample was completely
			physically inactive.
		7.	50.3% carried out muscle-strengthening
			exercises at least 1-2 days a week.
		8.	48.9% of participants fulfilled the WHO
			recommendations for physical activity.
		9.	Women, people aged 71 and older, and people
			with complete tetraplegia had significantly
			lower odds of fulfilling the WHO
			recommendations than participants in the
			respective reference category (men ages 17_
			30 incomplete paraplegia)
	Population: Gender: males=68 females=27.	1	There was no statistically significant change
$7\mathbf{b}\mathbf{a}\mathbf{a}\mathbf{r}\mathbf{a}\mathbf{t}\mathbf{a}1$	mean age=40vrs: level of inium.	1.	over time in self reported physical activity
$\angle$ Dogar et al. (2016)	mean age-49918; level of injury:		(DADA SCI) minutes arts is the merry for 1 at
	parapiegia=55, tetrapiegia=42; severity of $\frac{1}{12}$		(rAKA-SCI) minutes outside therapy for both
Observational N=95	$\begin{array}{c} \text{Injury: AIS } A=23, B=12, C=12, D=48. \end{array}$		parapiegia and tetrapiegia at lower and higher
	No Intervention: Physical activity level at		intensities (median mins of physical
	admission and discharge were recorded by		paraplegia- higher intensity:
	self-report questionnaire (PARA-SCI) and		admission=555min, discharge=587min, lower

	real-time accelerometers worn on the dominant wrist or hip if ambulatory. <b>Outcome Measures:</b> Actical accelerometers (physical activity measure), Physical Activity Recall Assessment for People with Spinal Cord Injury (PARA-SCI).	2.	intensity: admission=532min, discharge=565min; tetraplegia- higher intensity: admission=533min, discharge=556min, lower intensity: admission=489min, discharge=497min) (ps>0.05). Significant increases in physical activity outside physical therapy and occupational therapy sessions from admission to discharge were found for wrist accelerometers for individuals with tetraplegia (from 62min at admission to 99min at discharge) and hip accelerometers for ambulatory individuals (from 0min at admission to 1097min at discharge; ps<0.0001).
Martin Ginis et al. (2017) Canada Observational N=347	<ul> <li>Population: Mean age: 47.7yr; Gender: males=271, females=76; Level of injury: C1- C8=141, T1-S5=206; Mean time since injury: 16.1yr.</li> <li>No Intervention: Secondary analysis of Study of Health and Activity in Spinal Cord Injury (SHAPE-SCI) study. Participants completed a questionnaire at baseline pertaining to theory of planned behaviour constructs and at 6mo one for leisure time physical activity (LTPA).</li> <li>Outcome Measures: Theory of planned behavior constructs, the Physical Activity Recall Assessment for People with Spinal Cord Injury (PARA-SCI).</li> </ul>	1. 2. 3. 4.	At baseline, ambulators had poorer attitudes towards LTPA than manual chair users (p=0.004). No other differences were significant. Among ambulators, perceived behavioural control was negatively related to LTPA (p<0.05), meaning ambulators with the greatest sense of control over LTPA did the least activity. Attitudes had a significant indirect relationship with LTPA through intentions (p<0.05). Among manual chair users, perceived behavioural control was not directly associated with LTPA but attitudes (p<0.01), subjective norms (p<0.05) and perceived behavioural control (p<0.01) were significant indirect predictors of LTPA through intentions.
Martin Ginis et al.(2013) Canada Observational N=238	<b>Population:</b> Actors ( $n=105$ ): Mean age: 42.41±13.59yr; Mean time since injury: 11.29±8.60yr; Gender: males=80, females=25; Level of injury: paraplegia=53, tetraplegia=50; Level of severity: complete=34, incomplete=42. Intenders ( $n=73$ ): Mean age: 45.07±11.69yr; Mean time since injury: 15.84±11.16yr; Gender: males=57, females=16; Level of injury: paraplegia=32, tetraplegia=41; Level of severity: complete=19, incomplete=32. Nonintenders ( $n=58$ ): Mean age: 46.18±12.15yr; Mean time since injury: 17.02±9.75yr; Gender: males=42, females=16; Level of injury: paraplegia=20, tetraplegia=38; Level of severity: complete=13, incomplete=22. <b>No Intervention:</b> Individuals completed a questionnaire that assessed the following Health Action Process Approach (HAPA) constructs: leisure time physical activity (LTPA) outcome expectancies, self-efficacy, intentions, planning, and action control.	1.       2.       3.       4.	There was a significant difference in the number of years postinjury between the groups (p<0.001). Both intenders and nonintenders were injured longer ago than actors. There was a significant difference in the highest level of education obtained between groups (p=0.004). A greater percentage of actors completed a postsecondary education as compared with intenders and nonintenders. Actors had significantly more min/day of moderate and heavy intensity LTPA than intenders and nonintenders (p<0.001). For all the measures, actors scored significantly higher than intenders who scored significantly higher than nonintenders (p<0.001).

	Outcome Measures: Physical Activity Recall		
	Assessment for People with Spinal Cord Injury		
	(PARA-SCI).		
	<b>Population:</b> Mean age: 48.5yr; Gender: males=386 females=226; Paraplegia=300;	1.	Self-efficacy beliefs were significantly related
	Complete SCI=356; Mean time since injury:		training ( $\mathbb{R}^2$ change=0.08 and 0.03,
	15.88yr.		respectively; P<0.01 for all) and aerobic
	No Intervention: Participants completed mail-		training ( $\mathbb{R}^2$ change = 0.07 and 0.05,
	in surveys over 2yr examining exercise self-		respectively; P<0.01 for all).
	efficacy and exercise behaviour.	2.	Participants engaged in aerobic exercise, on
	<b>Outcome Measures:</b> Exercise frequency and intensity Exercise Self-Efficacy Scale		average, 2.4±2.3d/wk and resistance training
	intensity, Exercise Sent Efficacy Searc.	3	Participants on average rated their aerobic
Kroll et al. (2012)		5.	and resistance training intensity to be
Observational		1	For acrobic oversize frequency, leg use was
N=612		4.	For aerobic exercise frequency, leg use was
IN-012			positively associated and wheelchair use was
		5	Ear acrobic exercise frequency.
		5.	demographic or clinical variables were
			significant predictors
		6	No clinical or demographic variables
		0.	contributed significantly to the prediction of
			resistance training intensity. Only sex
			demonstrated a significant association with
			resistance training intensity (men had higher
			frequency).
	<b>Population:</b> Mean age: 47.1yr; Gender:	1.	On average, 28±34min per day was spent in
	males=531, females=164; Injury: C1-C4 ASIA		moderate-to-heavy intensity LTPA, 22.7±28.1
	A-C=75, C5-C8 ASIA A-C =184, T1-S5 ASIA		min per day was spent in exercise and
	A-C =255, ASIA D=172; Mean time since		46.5±46.6 min per day in sport.
	injury: 15.3yr.	2.	Season did not predict whether participants
	No Intervention: Participants completed a		engaged in moderate-to-vigorous LTPA.
Perrier et al. (2012)	questionnaire regarding seasonal variation in total moderate-to-vigorous leisure time	3.	Season did not predict participation in sport or exercise.
Canada	physical activity (LTPA), exercise and sport.	4.	Years post injury was the only variable that
Observational	Outcome Measures: Physical Activity Recall		predicted exercise participation. Those injured
N=695	Assessment for People with Spinal Cord Injury		more recently were more likely to exercise.
	(PARA-SCI).	5.	Participants who were younger were more
		_	likely to be active at any sport.
		6.	In the active sub-cohort, during the winter
			they reported engaging in less moderate to
			vigorous LIPA than those who were
			observed for everyise as well
	Population: Mean age: 47 7yr: Gender:	1	A significant positive relationship was shown
	males=43 females=11: Level of injury	1.	between wheelchair skills and leisure time
	Paraplegia=41, tetraplegia=13. Level of		physical activity ( $p < 0.05$ ).
Phang et al. (2012)	severity: Complete=27. Incomplete=27.	2.	Participants who were more skilled at using
Canada	<b>No Intervention:</b> Participants completed a		their manual wheelchairs reported more min/d
Observational	questionnaire and a wheelchair skills test.		of moderate-heavy leisure time physical
N=54	Outcome Measures: Wheelchair skills Test		activity.
	V4.1 for manual wheelchair users, Wheelchair	3.	There was a positive relationship between
	Use Confidence Scale, Barriers to leisure-time		wheelchair skills and wheel-chair use self-
	physical activity, Physical Activity Recall		efficacy ( $p < 0.05$ ).

	Assessment for People with Spinal Cord Injury (PARA-SCI).	<ol> <li>Wheelchair use self-efficacy was not significantly associated with leisure time physical activity.</li> <li>Wheelchair-use self-efficacy does not mediate the skills leisure time physical activity relationship.</li> </ol>
Martin Ginis et al. (2011) Canada Observational N=160	<ul> <li>Population: Mean age: 47.4±12.9yr; Mean time since injury: 16.2±10.1yr; Gender: males=118, females=42; Level of injury: tetraplegia=59%; Level of severity: incomplete=63%.</li> <li>No Intervention: Individuals completed a questionnaire that assessed the following Social Cognitive Theory variables: social support, task self-efficacy, self-regulatory efficacy, self-regulation, outcome expectations, and leisure time physical activity.</li> <li>Outcome Measures: Physical Activity Recall Assessment for People with Spinal Cord Injury (PARA-SCI).</li> </ul>	<ul> <li>Self-regulation had significant direct effects on physical activity (p&lt;0.05).</li> <li>Self-regulatory efficacy had significant indirect effects on physical activity (p&lt;0.05).</li> <li>Higher self-regulatory efficacy had significant effects on outcome expectations and use of self-regulatory efficacy had nonsignificant direct effects on physical activity (p&gt;0.05).</li> <li>Self-regulatory efficacy had nonsignificant direct effects on physical activity (p&gt;0.05).</li> <li>Task self-efficacy did not have significant total nor indirect effects on physical activity (p&gt;0.05).</li> <li>Outcome expectations had nonsignificant total effects (p&gt;0.05) on physical activity, but significant indirect effects (p&lt;0.05).</li> <li>Social support had nonsignificant total and indirect effects on physical activity (p&gt;0.05).</li> </ul>
de Groot et al. (2011) Observational Netherlands N=109	<ul> <li>Population: Gender: males=79, females=30; Mean age=40.4yr; Level of injury: tetraplegia=29, complete lesion=78; Severity of injury: AIS A-D; Mean time since injury=708 days.</li> <li>No Intervention: Participants completed questionnaires assessing wheelchair satisfaction, level of physical activity, time spent on eight vocational and leisure activities, and health status.</li> <li>Outcome Measures: Dutch version of the Quebec user evaluation of satisfaction with assistive technology (D-QUEST), physical activity scale for individuals with a physical disability (PASIPD), Uretch activity list (UAL), mobility range and social behavior subscales of the SIP68 (SIPSOC).</li> </ul>	<ol> <li>High level of satisfaction was reported with wheelchair related aspects (&gt;80%).</li> <li>Participants were less satisfied with the service-related aspects.</li> <li>Those with an incomplete lesion were slightly more satisfied with wheelchair related aspects (p=0.02) and service-related aspects (p=0.05) than those with complete lesion.</li> <li>Higher satisfaction regarding wheelchair dimensions and a higher overall satisfaction were related to a more active lifestyle.</li> </ol>
Martin Ginis, Latimer, et al. (2010) Canada Cross-Sectional N=695	<ul> <li>Population: Mean age:47.1±13.5yr; Gender: males=531, females=164; Mean time post-injury: 15.3±11.1yr</li> <li>No Intervention: Data on physical activity and demographic/injury-related characteristics of SCI patients were collected through telephone interviews.</li> <li>Outcome Measures: Physical Activity Recall Assessment for Persons with Spinal Cord Injury (PARA-SCI).</li> </ul>	<ol> <li>Respondents reported a mean of 27.14±49.36 minutes of LTPA a day.</li> <li>50.1% of participants reported no LTPA whatsoever.</li> <li>LTPA decreased as age and years post-injury increased.</li> <li>Men were more active than women.</li> <li>Manual wheelchair users were more active than power wheelchair users and persons using gait aids.</li> <li>Participants with tetraplegia with C1–C4 and C5–C8, AIS grade A–C level injuries were significantly less active than participants with AIS grade D injuries and participants with paraplegia with AIS grade A to C injuries.</li> </ol>

		7.	Highest amounts of daily LTPA (≥21min/d)
			were associated with manual wheelchair use
			and T1 to S5, AIS grade A to C injury.
		8.	Moderate LTPA (1-20min/day) was most
			associated with being female, 5 to 10 years
			post injury, and 21 to 33.8 years of age.
		9.	Inactivity (0min/d) was most associated with
			being male, greater than or equal to 11 years
			post injury and greater than or equal to 33.8
			vears of age.
	<b>Population:</b> Mean age: 46 89vr: Gender:	1	Theory of planned behavior constructs
	males=448 females=126. Level of injury.	1.	explained 57% of the variance in leisure time
	tetranlegia=298 miscellaneous= 276: I evel of		physical activity intentions and 12% of
	severity: AIS B-D=344		variance in behavior
	No Intervention: Participants completed a	2	Variance in intentions increased when
Arbour-Nicitopoulos	questionnaire assessing aspects of	2.	neighborhood variables were included within
et al. (2009)	neighborhood percentions, and leisure time		the model
Canada	physical activity	2	Esthetics orbibited significant positive
Observational	Outcome Mangures. A fractive attitudes	5.	estimation with the area of planned behavior
N=574	outcome weasures: Affective attitudes,		relationships with theory of planned behavior $(n < 0.01)$
	affective riderally active Neighborhood		variables (p<0.01).
	Environment Wallshilts Scale (NEWS)		
	Environment walkability Scale (NEWS),		
	Intentions, Leisure-time physical activity:		
	Physical Activity Recall Assessment for		
	People with Spinal Cord Injury (PARA-SCI).	1	mm1 ' (M' , ' , ' 1 ,
	<b>Population:</b> Mean age: 43.5±12./yr; Gender:	1.	There was no significant association between
	males=35, females=15; Mean time post-injury:		leisure time physical activity and perceived
Arbour et al. (2009)	$13.8\pm10.4$ yr; Severity of injury: complete (15),		proximity to a fitness center ( $p < 0.1$ ).
Canada	incomplete (35); Wheelchair users: 52%		
Observational	manual		
N=50	No Intervention: Questionnaire		
	<b>Outcome Measures:</b> Perceived proximity to a		
	fitness center compared to time spent		
	participating in leisure time physical activity		
	<b>Population:</b> T1: Mean age: 42.1yr; Gender:	1.	Physical activity level increased significantly
	males=28, females=8. T5 (n=16): Mean age:		between T1 and T3 ( $p < 0.01$ ). Duration of
	42.2yr; Gender: males=14, females=2.		dynamic activities increased by 41% (20min
	No Intervention: Participants' physical		per 24hr; p<0.001) and average body motility
	activity level was monitored 2 consecutive		by 19% (p=0.008).
	weekdays every assessment period using an	2.	Duration of dynamic activities significantly
	activity monitor. Data was collected at the start		decreased from T3 to T4 (33%, p<0.001).
	of inpatient rehabilitation (T1), 3 months later	3.	Age was significantly related to average body
Von den Berg Emons	(T2), at discharge from inpatient rehabilitation		motility; an increase in 1yr was associated
valideli Berg-Elilolis	(T3), and 2 months (T4) and 1 year post		with a decrease of 7.8-10-5g average body
et al. (2008)	discharge (T5).		motility.
The Netherlands	<b>Outcome Measures:</b> Physical activity level	4.	Sex and completeness of lesion were not
Observational	based on accelerometry-based activity		significantly related with physical activity
N <sub>Initial</sub> =36, N <sub>Final</sub> =16	monitor.		level.
		5.	Those with paraplegia and with an incomplete
			lesion showed significantly more
			improvement in the duration of dynamic
			activities in the year after discharge than did
			those with tetraplegia and with a complete
			lesion, respectively.
		6.	At T5 duration of dynamic activities was 49
			minutes per day. No one had wheelchair

			driving periods that lasted more than 10 minutes.
	<b>Population:</b> SCI=27. Guillain-Barre	1.	45.5% of participants previously participated
	Syndrome=6 Gender: males=27 females=6		in regular sporting activity
	<b>No Intervention:</b> A telephone survey was	2	During inpatient admission at least one sport
	completed capturing patients' perception of the	2.	was tried by 72.7% of participants (bowling
	effect of sport on rehabilitation		archery swimming table tennis basketball
	Outcome Measures: Sports participation		and darts)
	Outcome Weasures. Sports participation.	3	14 participants reported regular sporting
		5.	14 participants reported regular sporting
		4	These who reculedly even is a very mostly
$\Omega$ 'Naill at al. (2004)		4.	mole aged 16.25 m had avaraged provide
0 NeIII et al. (2004)		5	male, aged 10-35yr, had exercised previously.
		э.	Cardiovascular training was the most popular
Observational			exercise activity (training at a gym, n=6;
N=33			swimming, n=3; bowling, n=2).
		6.	The general benefit of sporting activity was
			recognized by 78.8% and the rehabilitation
		_	benefit by 69.7%.
		7.	Self-reported benefits from participants ( $n=26$ )
			included increases in fitness, quality of life,
			confidence and social contact.
		8.	Two top reasons for not exercising were poor
			accessibility ( $n=5$ ) and not interested in sports
		1	(n=5).
	<b>Population:</b> Mean Age=30.1±9.8yr; Gender:	1.	Physical activity was significantly correlated
	Males=20, Females=3; Level of Injury:		with level of impairment in individuals with
	Quadriplegic=17, Paraplegic=21; Severity of		quadriplegia or paraplegia (p<0.05).
	Injury=complete; Time Since Injury=2-30yr.	2.	Scores for physical independence, mobility
Manns and Chad	No Intervention: Not applicable. Cross		and occupation were significantly correlated
(1999)	sectional analysis to determine the		with physical activity in individuals with
Canada	relationships among fitness, physical activity,		quadriplegia (p<0.05).
Observational	subjective quality of life and handicap in	3.	There was no correlation between subjective
N=38	individuals with SCI.		quality of life scores and fitness/physical
	Outcome Measures: Fitness level, leisure		activity in individuals with paraplegia or
	time exercise questionnaire, Quality of Life		quadriplegia (p>0.05).
	Profile: Physical and Sensory Disabilities	4.	More active individuals were younger and has
	Version, Craig Handicap Assessment		shorter durations of injury, although, only the
	Reporting Technique.		difference in age was significant (p<0.05).
	<b>Population:</b> Sport participants (n=54): Mean	Th	ere were significant differences in age, age at
	age: 31.93±8.23yr; Mean age at injury:		injury, level of lesion, and income between the
	$21.02\pm7.09$ yr; Gender: males=49, females=5;		groups (p<0.05).
Foreman et al. (1997) Australia Observational	Level of injury: C=21. Nonparticipants	No	significant differences were found for
	$(n=67)$ : Mean age: 38.34 $\pm$ 9.25yr; Mean age at		depression between the groups (p=0.099).
	injury: 25.02±9.40yr; Gender: males=53,	No	nparticipants had a significantly higher score in
	females=14; Level of injury: C=45.		trait anxiety than sport participants (p=0.048).
N=121	No Intervention: Individuals completed a set		
1N-121	of questionnaires including requests for		
	demographic information and assessments of		
	depression and anxiety.		
	Outcome Measures: Centre for		
	Epidemiological Studies Depression Scale,		
	State Tait Anxiety Inventory.		