



Spinal Cord Injury in Florida

Technical Appendix

January 2010

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Technical Appendix

The Technical Appendix for *Spinal Cord Injury in Florida: A Needs and Resources Assessment* presents detailed descriptions of the activities completed during the assessment including a comprehensive listing of all data tables and research protocols used in the development of this report.

Demographic and Socioeconomic Profile

Demographic and socioeconomic profile data are presented at the state level as well as BSCIP Regional level for each indicator. County level data are presented where appropriate.

Demographic Data Tables

Table 1: Total Population by Florida BSCIP Regions, and County, 2009.

Area	Total Population	Percent	Area	Total Population	Percent
Alachua	247,537	1.3	Liberty	8,145	0.0
Baker	26,573	0.1	Madison	19,503	0.1
Bay	171,160	0.9	Manatee	327,229	1.7
Bradford	28,512	0.1	Marion	341,870	1.8
Brevard	556,684	2.9	Martin	143,089	0.8
Broward	1,778,618	9.4	Miami-Dade	2,467,618	13.0
Calhoun	14,102	0.1	Monroe	73,639	0.4
Charlotte	165,755	0.9	Nassau	73,297	0.4
Citrus	146,346	0.8	Okaloosa	198,924	1.0
Clay	192,338	1.0	Okeechobee	40,686	0.2
Collier	331,285	1.7	Orange	1,126,939	5.9
Columbia	69,182	0.4	Osceola	281,215	1.5
DeSoto	35,103	0.2	Palm Beach	1,303,430	6.9
Dixie	15,649	0.1	Pasco	471,208	2.5
Duval	911,944	4.8	Pinellas	926,860	4.9
Escambia	315,545	1.7	Polk	600,417	3.2
Flagler	99,068	0.5	Putnam	75,136	0.4
Franklin	12,270	0.1	Santa Rosa	149,260	0.8
Gadsden	49,483	0.3	Sarasota	394,369	2.1
Gilchrist	17,779	0.1	Seminole	425,283	2.2
Glades	11,340	0.1	St. Johns	188,194	1.0
Gulf	15,855	0.1	St. Lucie	284,606	1.5
Hamilton	14,745	0.1	Sumter	96,422	0.5
Hardee	28,967	0.2	Suwannee	41,068	0.2
Hendry	40,603	0.2	Taylor	20,034	0.1
Hernando	173,694	0.9	Union	15,860	0.1
Highlands	102,353	0.5	Volusia	515,563	2.7
Hillsborough	1,222,012	6.4	Wakulla	32,180	0.2
Holmes	19,052	0.1	Walton	58,299	0.3
Indian River	147,094	0.8	Washington	23,507	0.1
Jackson	51,006	0.3	BSCIP Region 1	3,510,267	18.5
Jefferson	14,550	0.1	BSCIP Region 2	3,969,166	20.9
Lafayette	8,256	0.0	BSCIP Region 3	4,108,518	21.6
Lake	305,150	1.6	BSCIP Region 4	4,892,405	25.7
Lee	645,899	3.4	BSCIP Region 5	2,541,257	13.4
Leon	270,961	1.4	Florida	19,021,613	100.0
Levy	41,293	0.2			

Source: ESRI Business Solutions, 2009.

Table 2: Total Population by Race, by Florida and BSCIP Region, 2009.

Area	Total Population	Black		Other		White	
		Number	Percent	Number	Percent	Number	Percent
BSCIP Region 1	3,510,267	777,021	22.1	247,275	7.0	2,485,971	70.8
BSCIP Region 2	3,969,166	513,437	12.9	423,761	10.7	3,031,968	76.4
BSCIP Region 3	4,108,518	480,521	11.7	382,522	9.3	3,245,475	79.0
BSCIP Region 4	4,892,405	768,075	15.7	490,037	10.0	3,634,293	74.3
BSCIP Region 5	2,541,257	456,875	18.0	276,696	10.9	1,807,686	71.1
Florida	19,021,613	2,995,929	15.8	1,820,291	9.6	14,205,393	74.7

Source: ESRI Business Solutions, 2009.

Table 3: Total Population by Ethnicity, by Florida and BSCIP Region, 2009.

Area	Total Population	Hispanic		Non-Hispanic	
		Number	Percent	Number	Percent
BSCIP Region 1	3,510,267	197,497	5.6	3,312,770	94.4
BSCIP Region 2	3,969,166	659,634	16.6	3,309,532	83.4
BSCIP Region 3	4,108,518	626,436	15.2	3,482,082	84.8
BSCIP Region 4	4,892,405	957,009	19.6	3,935,396	80.4
BSCIP Region 5	2,541,257	1,645,374	64.7	895,883	35.3
Florida	19,021,613	4,085,950	21.5	14,935,663	78.5

Source: ESRI Business Solutions, 2009.

Table 4: Total Population by Age Group, by BSCIP Region and Florida, 2009.

Area	Total Population	0-14		15-24		25-34	
		Number	Percent	Number	Percent	Number	Percent
BSCIP Region 1	3,510,267	649,918	18.5	525,268	15.0	471,387	13.4
BSCIP Region 2	3,969,166	686,561	17.3	491,379	12.4	484,531	12.2
BSCIP Region 3	4,108,518	705,987	17.2	474,798	11.6	461,542	11.2
BSCIP Region 4	4,892,405	835,804	17.1	535,314	10.9	529,584	10.8
BSCIP Region 5	2,541,257	493,195	19.4	344,168	13.5	357,810	14.1
Florida	19,021,613	3,371,465	17.7	2,370,927	12.5	2,304,854	12.1
Area	Total Population	35-44		45-64		65+	
		Number	Percent	Number	Percent	Number	Percent
BSCIP Region 1	3,510,267	465,588	13.3	937,905	26.7	460,201	13.1
BSCIP Region 2	3,969,166	500,984	12.6	1,075,267	27.1	730,444	18.4
BSCIP Region 3	4,108,518	511,498	12.4	1,121,542	27.3	833,151	20.3
BSCIP Region 4	4,892,405	610,558	12.5	1,329,201	27.2	1,051,944	21.5
BSCIP Region 5	2,541,257	356,998	14.0	639,299	25.2	349,787	13.8
Florida	19,021,613	2,445,626	12.9	5,103,214	26.8	3,425,527	18.0

Source: ESRI Business Solutions, 2009.

Table 5: Total Population by Gender, by BSCIP Region and Florida, 2009.

Area	Total Population	Females		Males	
		Number	Percent	Number	Percent
BSCIP Region 1	3,510,267	1,770,990	50.5	1,739,277	49.5
BSCIP Region 2	3,969,166	2,027,181	51.1	1,941,985	48.9
BSCIP Region 3	4,108,518	2,114,910	51.5	1,993,608	48.5
BSCIP Region 4	4,892,405	2,520,941	51.5	2,371,464	48.5
BSCIP Region 5	2,541,257	1,305,695	51.4	1,235,562	48.6
Florida	19,021,613	9,739,717	51.2	9,281,896	48.8

Source: ESRI Business Solutions, 2009.

Table 6: Population Projections, by Florida, BSCIP Regions, and County, 2015, 2020, and 2030.

Area	2008 Estimate	Projections			Area	2008 Estimate	Projections		
		2015	2020	2030			2015	2020	2030
Alachua	252,388	270,176	286,096	316,329	Liberty	8,158	9,496	10,151	11,455
Baker	25,890	27,954	29,876	33,554	Madison	20,152	21,484	22,217	23,607
Bay	169,307	180,862	191,753	212,396	Manatee	317,699	341,304	367,416	416,303
Bradford	29,059	30,555	31,748	34,036	Marion	329,418	362,451	398,759	466,269
Brevard	556,213	587,938	625,215	694,120	Martin	143,868	149,787	157,115	170,425
Broward	1,758,494	1,787,228	1,834,967	1,921,172	Miami-Dade	2,477,289	2,561,276	2,653,957	2,825,874
Calhoun	14,310	14,724	15,231	16,127	Monroe	76,081	73,499	72,334	70,186
Charlotte	165,781	179,177	192,213	216,958	Nassau	71,915	84,632	94,308	113,061
Citrus	142,043	155,783	168,659	193,307	Okaloosa	197,597	207,199	219,607	242,413
Clay	185,168	206,450	229,204	271,775	Okeechobee	40,003	42,584	44,504	48,218
Collier	332,854	363,262	400,684	471,989	Orange	1,114,979	1,212,817	1,324,547	1,535,033
Columbia	66,121	71,935	76,719	85,732	Osceola	273,709	327,022	380,082	480,401
DeSoto	34,487	36,634	38,388	41,754	Palm Beach	1,294,654	1,346,002	1,420,356	1,556,810
Dixie	15,963	17,398	18,415	20,284	Pasco	438,668	474,812	519,128	601,360
Duval	904,971	975,517	1,041,016	1,165,000	Pinellas	938,461	933,068	937,091	944,923
Escambia	313,480	325,322	336,575	358,149	Polk	585,733	630,052	679,611	774,253
Flagler	95,512	115,574	137,468	178,873	Putnam	74,989	76,544	78,431	81,962
Franklin	12,331	13,277	13,681	14,431	Santa Rosa	144,136	159,099	172,904	198,864
Gadsden	50,611	54,299	56,996	62,241	Sarasota	393,608	425,520	458,914	522,663
Gilchrist	17,256	19,006	20,637	23,695	Seminole	426,413	447,198	474,150	523,878
Glades	11,323	12,063	12,552	13,487	St. Johns	181,180	224,204	260,003	330,197
Gulf	16,923	17,313	17,864	18,896	St. Lucie	276,585	313,077	354,289	434,113
Hamilton	14,779	15,136	15,561	16,363	Sumter	93,034	117,573	139,412	182,448
Hardee	27,909	28,905	29,521	30,690	Suwannee	40,927	48,666	52,394	59,511
Hendry	41,216	45,732	49,241	56,102	Taylor	23,199	25,201	26,499	28,931
Hernando	164,907	187,635	207,324	245,421	Union	15,974	17,034	17,899	19,587
Highlands	100,207	108,625	116,287	130,724	Volusia	510,750	535,511	565,625	620,889
Hillsborough	1,200,541	1,290,594	1,392,502	1,582,959	Wakulla	30,717	36,098	40,613	49,395
Holmes	19,757	20,691	21,404	22,773	Walton	57,784	65,290	73,379	88,571
Indian River	141,667	154,988	169,319	196,916	Washington	24,779	27,772	29,610	33,102
Jackson	52,639	57,516	60,220	65,478	BSCIP Region 1	3,899,845	4,262,191	4,652,256	5,385,748
Jefferson	14,553	15,303	15,816	16,801	BSCIP Region 2	4,037,313	4,269,514	4,538,858	5,045,629
Lafayette	8,287	10,141	10,553	11,336	BSCIP Region 3	4,830,170	5,094,918	5,424,838	6,043,301
Lake	288,379	328,263	368,483	443,982	BSCIP Region 4	3,899,845	4,262,191	4,652,256	5,385,748
Lee	623,725	701,018	789,598	957,111	BSCIP Region 5	2,553,370	2,634,775	2,726,291	2,896,060
Leon	274,892	287,538	301,520	327,312	Florida	18,807,219	20,055,865	21,417,450	23,979,032
Levy	40,817	45,061	48,839	56,057					

Source: BEBR; University of Florida, Population Projections by Age, Sex, Race, and Hispanic Origin for Florida and It's counties, 2008-2030.

Socioeconomic Data Tables

Table 7: Estimated Number and Percent Uninsured 0-64 Years of Age Persons, by Florida and BSCIP Region, 2009.

Region	0 - 64 Population	Small Area Health Insurance Estimates, 2006		AHCA Uninsured Study, 2004	
		Estimated Number	Percent	Estimated Number	Percent
BSCIP Region 1	3,050,066	660,504	21.7	456,789	15.0
BSCIP Region 2	3,238,722	738,646	22.8	570,927	17.6
BSCIP Region 3	3,275,367	740,128	22.6	568,518	17.4
BSCIP Region 4	3,840,461	1,069,011	27.8	790,558	20.6
BSCIP Region 5	2,191,470	676,783	30.9	621,443	28.4
Florida	15,596,086	3,889,668	24.9	2,994,449	19.2

Source: U.S. Census Bureau, Small Area Health Insurance Estimates, 2006; AHCA, Florida Health Insurance Study, 2004; ESRI Business Solutions, 2009.

Table 8: Estimated Persons in Poverty by Level, by Florida and BSCIP Region, 2009.

Region	Total Population	< 100 %		100-150 %		151-200 %		> 200%	
		Estimated Number	Percent	Estimated Number	Percent	Estimated Number	Percent	Estimated Number	Percent
BSCIP Region 1	3,510,267	489,583	13.9	332,045	9.5	327,691	9.3	2,360,948	67.3
BSCIP Region 2	3,969,166	432,463	10.9	355,881	9.0	390,235	9.8	2,790,586	70.3
BSCIP Region 3	4,108,518	465,971	11.3	358,660	8.7	385,096	9.4	2,898,791	70.6
BSCIP Region 4	4,892,405	527,876	10.8	396,829	8.1	424,090	8.7	3,543,610	72.4
BSCIP Region 5	2,541,257	449,904	17.7	296,503	11.7	269,762	10.6	1,525,087	60.0
BSCIP Region 1	19,021,613	2,380,088	12.5	1,745,729	9.2	1,798,609	9.5	13,097,187	68.9

Source: U.S. Census Bureau, Summary File 3, 2000; ESRI Business Solutions, 2009.

Table 9: Estimated Number and Percent of 25+ Population by Educational Attainment, by Florida and BSCIP Region, 2009.

Area	25+ Population	No High School Diploma		High School Diploma		College Degree	
		Estimated Number	Percent	Estimated Number	Percent	Estimated Number	Percent
BSCIP Region 1	2,335,081	424,095	18.2	1,217,389	52.1	693,597	29.7
BSCIP Region 2	2,791,226	493,122	17.7	1,489,576	53.4	808,528	29.0
BSCIP Region 3	2,927,733	562,492	19.2	1,541,904	52.7	823,337	28.1
BSCIP Region 4	3,521,287	634,534	18.0	1,793,332	50.9	1,093,422	31.1
BSCIP Region 5	1,703,894	536,075	31.5	687,456	40.3	480,363	28.2
Florida	13,279,221	2,673,935	20.1	6,707,738	50.5	3,897,549	29.4

Source: U.S. Census Bureau, Summary File 3, 2000; ESRI Business Solutions, 2009.

Table 10: Total Number and Percent Unemployed, by Florida and BSCIP Region, 2008.

Area	Total Civilian Labor Force	Total Number Unemployed	Percent Unemployed
BSCIP Region 1	1,681,712	92,657	5.5
BSCIP Region 2	1,932,222	122,629	6.3
BSCIP Region 3	1,920,675	126,124	6.6
BSCIP Region 4	2,436,983	158,537	6.5
BSCIP Region 5	1,259,879	71,664	5.7
Florida	9,231,000	572,000	6.2

Source: Florida Research and Economic Database, Area Profiles, Annual, 2008.

Table 11: Median Household and Per Capita Income, by Florida, BSCIP Region and County, 2009.

Area	Median Household Income	Per Capita Income	Area	Median Household Income	Per Capita Income
Alachua	\$40,654	\$24,047	Liberty	\$34,710	\$19,354
Baker	\$50,268	\$20,034	Madison	\$31,767	\$16,623
Bay	\$45,705	\$24,103	Manatee	\$50,210	\$28,476
Bradford	\$40,984	\$19,071	Marion	\$40,201	\$22,125
Brevard	\$51,993	\$27,672	Martin	\$56,221	\$35,744
Broward	\$55,150	\$28,874	Miami-Dade	\$47,005	\$23,010
Calhoun	\$32,238	\$16,426	Monroe	\$54,614	\$33,019
Charlotte	\$47,171	\$27,832	Nassau	\$56,115	\$27,563
Citrus	\$39,719	\$23,307	Okaloosa	\$54,028	\$27,231
Clay	\$62,075	\$26,832	Okeechobee	\$38,516	\$18,394
Collier	\$63,299	\$38,183	Orange	\$53,862	\$26,553
Columbia	\$38,778	\$18,664	Osceola	\$48,305	\$20,797
DeSoto	\$38,502	\$17,688	Palm Beach	\$59,423	\$34,945
Dixie	\$31,694	\$17,532	Pasco	\$42,929	\$22,614
Duval	\$52,034	\$26,819	Pinellas	\$48,207	\$29,785
Escambia	\$45,484	\$23,316	Polk	\$45,211	\$22,936
Flagler	\$50,854	\$28,488	Putnam	\$34,733	\$18,847
Franklin	\$33,322	\$19,850	Santa Rosa	\$53,470	\$24,474
Gadsden	\$38,862	\$18,418	Sarasota	\$54,789	\$35,558
Gilchrist	\$36,315	\$17,498	Seminole	\$64,771	\$33,114
Glades	\$39,088	\$19,949	St. Johns	\$65,697	\$37,763
Gulf	\$37,739	\$19,458	St. Lucie	\$47,713	\$24,192
Hamilton	\$30,313	\$15,557	Sumter	\$39,720	\$21,562
Hardee	\$36,736	\$15,391	Suwannee	\$35,920	\$17,594
Hendry	\$41,354	\$16,365	Taylor	\$36,240	\$18,420
Hernando	\$41,747	\$22,614	Union	\$43,171	\$18,171
Highlands	\$37,729	\$20,899	Volusia	\$45,451	\$25,100
Hillsborough	\$53,298	\$27,878	Wakulla	\$43,687	\$20,482
Holmes	\$32,980	\$17,574	Walton	\$39,928	\$22,765
Indian River	\$51,333	\$33,943	Washington	\$33,953	\$18,348
Jackson	\$36,409	\$18,627	BSCIP Region 1	NC	\$25,947
Jefferson	\$39,791	\$20,712	BSCIP Region 2	NC	\$25,386
Lafayette	\$36,104	\$17,453	BSCIP Region 3	NC	\$27,195
Lake	\$47,759	\$25,273	BSCIP Region 4	NC	\$30,989
Lee	\$52,154	\$30,609	BSCIP Region 5	NC	\$23,300
Leon	\$49,528	\$27,932	Florida	\$50,413	\$27,128
Levy	\$33,911	\$18,331			

NC: Not able to be computed

Source: ESRI Business Solutions, 2009.

Spinal Cord Injury Profile

The tables presented below detail the data presented in the Spinal Cord Injury Profile. Data are presented at the state level and BSCIP Regional level for each indicator. County level data are presented where appropriate.

Spinal Cord Injury Incidence Tables

Table 12: SCI Incidence Estimates, Florida and BSCIP Regions, 2009, 2015, 2030.

Area	2009		2015		2030	
	Population	SCI	Population	SCI	Population	SCI
BSCIP Region 1	3,510,267	140	3,794,467	152	4,608,294	184
BSCIP Region 2	3,969,166	159	4,262,191	170	5,385,748	215
BSCIP Region 3	4,108,518	164	4,269,514	171	5,045,629	202
BSCIP Region 4	4,892,405	196	5,094,918	204	6,043,301	242
BSCIP Region 5	2,541,257	102	2,634,775	105	2,896,060	116
Florida	19,021,613	761	20,055,865	802	23,979,032	959

Source: National Spinal Cord Injury Statistical Center. Spinal Cord Injury Facts and Figures at a Glance, April 2009.; ESRI, 2009.

Spinal Cord Injury Related Hospitalizations Tables

Case selection was based on the Central Nervous System Injury Surveillance Data Submission Standards developed by the Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Injury Prevention and Control.¹ A clinical case for SCI is defined as: the occurrence of an acute, traumatic lesion of neural elements in the spinal canal resulting in temporary or permanent sensory deficit, motor deficit, or bowel or bladder dysfunction.

Hospitalization data were obtained for calendar years 2006 through 2008 from the Agency for Healthcare Administration, Detailed Hospitalization Discharge Data. SCI-related hospitalizations cases were identified if the principal diagnosis field contained an ICD-9 diagnosis code for SCI morbidity. Codes include:

806.0-806.9: Fracture of the vertebral column with spinal cord injury
 952.0-952.9: Spinal cord injury without evidence of spinal bone injury.

The external cause of injury code (e-code) was located within the diagnosis fields. The first e-code listed in the diagnosis fields was used in the analysis. External cause of injury codes for SCI include:

Assaults/Homicide: E960-E969
 Falls: E880-E886, E888, E987
 Motor Vehicle: E810-E819
 Other Accidents: E800-E809, E820-E848, E890-E928
 Other: E850-E879, E887, E929-E959, E970-E987, E988-E999.

Please note that the Central Nervous System Injury Surveillance Data Submission Standards reports that the evaluation of hospital discharge data has found that the predictive value positive (PVP) of the identified ICD-9 codes is low (60 percent). Therefore, they recommend conducting medical record reviews to confirm the SCI diagnosis for these cases. Due to the timeframe and budgetary limitation of this project, medical records reviews were not feasible.

Table 13: SCI-Related Discharges, Age-Adjusted and Crude Rates, by Florida and BSCIP Regions, 2006 -2008.

Area	2006-2008				
	Total Population	Total Number	Average Number	Age Adjusted Rate	Crude Rate
BSCIP Region 1	3,445,630	546	182	5.10	5.28
BSCIP Region 2	3,858,755	486	162	4.00	4.20
BSCIP Region 3	4,009,807	551	184	4.24	4.58
BSCIP Region 4	4,806,718	590	197	3.79	4.09
BSCIP Region 5	2,540,470	247	82	3.14	3.24
Florida	18,661,381	2,420	807	4.07	4.32

Source: State of Florida, AHCA Detailed Discharge Data, 2006 - 2008; State of Florida, Department of Health, CHARTS, accessed December 2009.

Table 14: SCI-Related Discharges per 100,000 Persons, BSCIP Region 1 and County, 2006-2008.

County	2006 Discharges		2007 Discharges		2008 Discharges		2006-2008 Discharges	
	Number	Rate	Number	Rate	Number	Rate	Average Number	Rate
Alachua	12	4.9	14	5.6	7	2.8	11	4.4
Baker	0	0.0	0	0.0	7	27.0	2	9.1
Bay	8	4.8	13	7.7	11	6.5	11	6.4
Bradford	2	7.0	3	10.3	0	0.0	2	5.8
Calhoun	2	14.1	3	20.6	2	14.0	2	16.3
Clay	3	1.7	7	3.8	6	3.2	5	2.9
Columbia	6	9.4	6	9.1	6	9.0	6	9.2
Dixie	1	6.4	1	6.3	2	12.5	1	8.4
Duval	36	4.1	52	5.8	50	5.5	46	5.1
Escambia	11	3.5	25	8.0	14	4.5	17	5.3
Flagler	3	3.3	4	4.2	4	4.2	4	3.9
Franklin	1	8.3	1	8.2	0	0.0	1	5.5
Gadsden	7	14.5	9	18.1	3	5.9	6	12.8
Gilchrist	0	0.0	2	11.6	0	0.0	1	3.9
Gulf	0	0.0	1	5.9	2	11.8	1	6.0
Hamilton	2	13.7	1	6.8	2	13.5	2	11.3
Holmes	1	5.1	0	0.0	1	5.0	1	3.4
Jackson	2	4.0	2	4.0	2	3.8	2	3.9
Jefferson	0	0.0	1	6.9	1	6.9	1	4.6
Lafayette	1	12.4	1	12.1	0	0.0	1	8.1
Leon	10	3.7	6	2.2	11	4.0	9	3.3
Levy	4	10.2	4	9.9	4	9.8	4	10.0
Liberty	1	12.8	2	25.8	0	0.0	1	12.6
Madison	1	5.0	0	0.0	1	5.0	1	3.3
Nassau	4	5.8	2	2.9	8	11.1	5	6.6
Okaloosa	8	4.1	10	5.1	7	3.5	8	4.2
Putnam	8	10.7	4	5.3	4	5.3	5	7.1
Santa Rosa	8	5.6	7	4.9	7	4.8	7	5.1
St. Johns	9	5.4	9	5.1	8	4.4	9	5.0
Suwannee	5	12.8	1	2.5	1	2.4	2	5.8
Taylor	1	4.6	4	17.6	2	8.6	2	10.3
Union	2	13.2	1	6.3	2	12.5	2	10.6
Wakulla	1	3.5	0	0.0	3	9.7	1	4.5
Walton	3	5.3	6	10.5	2	3.5	4	6.4
Washington	0	0.0	0	0.0	1	4.0	0	1.4
BSCIP Region 1	163	4.8	202	5.9	181	5.2	182	5.3

Source: AHCA Detailed Hospital Discharge Data, 2006-2008; Population Estimates from Florida Charts, 2006-2008.

Table 15: SCI-Related Discharges per 100,000 Persons, BSCIP Region 2 and County, 2006-2008.

County	2006 Discharges		2007 Discharges		2008 Discharges		2006-2008 Discharges	
	Number	Rate	Number	Rate	Number	Rate	Average Number	Rate
Brevard	30	5.5	23	4.2	20	3.6	24	4.4
Citrus	2	1.5	5	3.6	11	7.7	6	4.3
Hernando	8	5.0	11	6.7	7	4.2	9	5.3
Lake	12	4.3	18	6.2	16	5.5	15	5.4
Marion	17	5.4	15	4.6	20	6.1	17	5.3
Orange	33	3.0	40	3.6	38	3.4	37	3.4
Osceola	8	3.1	9	3.4	11	4.0	9	3.5
Seminole	14	3.3	10	2.3	11	2.6	12	2.7
Sumter	6	7.1	2	2.2	8	8.5	5	5.9
Volusia	23	4.6	24	4.7	34	6.7	27	5.3
Total	153	4.0	157	4.1	176	4.5	162	4.2

Source: AHCA Detailed Hospital Discharge Data, 2006-2008; Population Estimates from Florida Charts, 2006-2008.

Table 16: SCI-Related Discharges per 100,000 Persons, BSCIP Region 3 and County, 2006-2008.

County	2006 Discharges		2007 Discharges		2008 Discharges		2006-2008 Discharges	
	Number	Rate	Number	Rate	Number	Rate	Average Number	Rate
DeSoto	2	6.0	4	11.7	1	2.9	2	6.9
Hardee	1	3.7	1	3.6	2	7.1	1	4.8
Highlands	4	4.1	8	8.1	3	3.0	5	5.1
Hillsborough	48	4.1	45	3.8	43	3.6	45	3.8
Manatee	12	3.9	15	4.7	12	3.8	13	4.1
Pasco	21	4.9	18	4.1	15	3.4	18	4.1
Pinellas	39	4.1	50	5.3	41	4.4	43	4.6
Polk	30	5.3	41	7.0	36	6.1	36	6.2
Sarasota	26	6.8	20	5.1	13	3.3	20	5.1
Total	183	4.6	202	5.0	166	4.1	184	4.6

Source: AHCA Detailed Hospital Discharge Data, 2006-2008; Population Estimates from Florida Charts, 2006-2008.

Table 17: SCI-Related Discharges per 100,000 Persons, BSCIP Region 4 and County, 2006-2008.

County	2006 Discharges		2007 Discharges		2008 Discharges		2006-2008 Discharges	
	Number	Rate	Number	Rate	Number	Rate	Average Number	Rate
Broward	67	3.8	56	3.2	47	2.7	57	3.2
Charlotte	4	2.5	7	4.2	4	2.4	5	3.0
Collier	11	3.4	13	3.9	11	3.3	12	3.5
Glades	0	0.0	1	9.0	1	8.8	1	6.0
Hendry	1	2.6	2	5.0	3	7.2	2	5.0
Indian River	10	7.3	10	7.1	10	7.1	10	7.2
Lee	22	3.7	29	4.7	17	2.7	23	3.7
Martin	6	4.2	10	6.9	5	3.5	7	4.9
Okeechobee	6	15.5	3	7.7	4	10.0	4	11.0
Palm Beach	60	4.6	72	5.6	67	5.2	66	5.1
St. Lucie	13	4.9	9	3.3	9	3.3	10	3.8
Total	200	4.2	212	4.4	178	3.7	197	4.1

Source: AHCA Detailed Hospital Discharge Data, 2006-2008; Population Estimates from Florida Charts, 2006-2008.

Table 18: SCI-Related Discharges per 100,000 Persons, BSCIP Region 5 and County, 2006-2008.

County	2006 Discharges		2007 Discharges		2008 Discharges		2006-2008 Discharges	
	Number	Rate	Number	Rate	Number	Rate	Average Number	Rate
Miami-Dade	86	3.5	74	3.0	75	3.0	78	3.2
Monroe	3	3.7	4	5.1	5	6.6	4	5.1
Total	89	3.5	78	3.1	80	3.1	82	3.2

Source: AHCA Detailed Hospital Discharge Data, 2006-2008; Population Estimates from Florida Charts, 2006-2008.

Table 19: SCI- Related Discharges per 100,000 Persons, Total Patient Days and Average Length of Stay by Florida and BSCIP Region, 2006-2008.

Area	Year	Discharges	Rate	Total Patient Days	Average Length of Stay
BSCIP Region 1	2006	163	4.8	2,465	15.1
	2007	202	5.9	3,476	17.2
	2008	181	5.2	2,834	15.7
	Average 2006-2008	182	5.3	2,925	16.1
BSCIP Region 2	2006	153	4.0	2,019	13.2
	2007	157	4.1	3,144	20.0
	2008	176	4.5	2,837	16.1
	Average 2006-2008	162	4.2	2,667	16.5
BSCIP Region 3	2006	183	4.6	4,448	24.3
	2007	202	5.0	4,575	22.6
	2008	166	4.1	2,466	14.9
	Average 2006-2008	184	4.6	3,830	20.9
BSCIP Region 4	2006	200	4.2	2,933	14.7
	2007	212	4.4	3,341	15.8
	2008	178	3.7	2,497	14.0
	Average 2006-2008	197	4.1	2,924	14.9
BSCIP Region 5	2006	89	3.5	1,820	20.4
	2007	78	3.1	1,929	24.7
	2008	80	3.1	1,851	23.1
	Average 2006-2008	82	3.2	1,867	22.7
Florida	2006	788	4.3	13,685	17.4
	2007	851	4.5	16,465	19.3
	2008	781	4.2	12,485	16.0
	Average 2006-2008	807	4.3	14,212	17.6

Source: AHCA Detailed Hospital Discharge Data, 2006-2008; Population Estimates from Florida Charts, 2006-2008.

Table 20: SCI-Related Discharges, Age-Adjusted and Crude Rates by Race, by Florida and BSCIP Regions, 2006 - 2008.

Race	Area	Total Population	Total Number	Average Number	Age-Adjusted Rate	Crude Rate
White	BSCIP Region 1	2,612,322	407	136	4.9	5.2
	BSCIP Region 2	3,218,055	388	129	3.8	4.0
	BSCIP Region 3	3,422,242	459	153	4.1	4.5
	BSCIP Region 4	3,858,652	445	148	3.4	3.8
	BSCIP Region 5	1,947,751	170	57	2.7	2.9
	Florida	15,059,022	1,869	623	3.8	4.1
Black	BSCIP Region 1	723,762	114	38	5.6	5.3
	BSCIP Region 2	517,389	69	23	4.7	4.5
	BSCIP Region 3	478,683	65	22	4.8	4.5
	BSCIP Region 4	822,404	108	36	4.7	4.4
	BSCIP Region 5	536,723	60	20	3.7	3.7
	Florida	3,078,961	416	139	4.7	4.5
Other	BSCIP Region 1	109,546	24	8	8.1	7.3
	BSCIP Region 2	123,311	18	6	5.5	4.9
	BSCIP Region 3	108,882	25	8	9.1	7.7
	BSCIP Region 4	125,662	34	11	10.4	9.0
	BSCIP Region 5	55,996	12	4	8.2	7.1
	Florida	523,397	113	38	8.3	7.2

Source: State of Florida, AHCA Detailed Discharge Data, 2006 - 2008; State of Florida, Department of Health, CHARTS, accessed December 2009.

Table 21: SCI-Related Discharges and Rate per 100,000 Persons by Race, by Florida and BSCIP Region, 2006-2008.

Area	Race	2006		2007		2008		Average 2006-2008	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate
BSCIP Region 1	Black	31	4.4	45	6.2	38	5.2	38	5.3
	Other	7	6.6	15	13.6	3	2.7	8	7.6
	White	125	4.8	142	5.4	140	5.3	136	5.2
	Total	163	4.8	202	5.9	181	5.2	182	5.3
BSCIP Region 2	Black	23	4.6	25	4.8	21	4.0	23	4.4
	Other	10	8.4	10	8.1	9	7.1	10	7.8
	White	120	3.8	122	3.8	146	4.5	129	4.0
	Total	153	4.0	157	4.1	176	4.5	162	4.2
BSCIP Region 3	Black	25	5.4	19	3.9	21	4.3	22	4.5
	Other	7	6.7	12	10.9	8	7.2	9	8.3
	White	151	4.4	171	5.0	137	4.0	153	4.5
	Total	183	4.6	202	5.0	166	4.1	184	4.6
BSCIP Region 4	Black	33	4.1	39	4.7	36	4.3	36	4.4
	Other	15	12.3	14	11.0	8	6.2	12	9.8
	White	152	4.0	159	4.1	134	3.5	148	3.8
	Total	200	4.2	212	4.4	178	3.7	197	4.1
BSCIP Region 5	Black	23	4.3	17	3.1	20	3.8	20	3.7
	Other	1	1.8	7	12.2	9	16.2	6	10.1
	White	65	3.4	54	2.8	51	2.6	57	2.9
	Total	89	3.5	78	3.1	80	3.1	82	3.2
Florida	Black	135	4.5	145	4.7	136	4.4	139	4.5
	Other	40	7.9	58	11.0	37	6.9	45	8.6
	White	613	4.1	648	4.3	608	4.0	623	4.1
	Total	788	4.3	851	4.5	781	4.2	807	4.3

Source: AHCA Detailed Hospital Discharge Data, 2006-2008; Population Estimates from Florida Charts, 2006-2008.

Table 22: SCI-Related Discharges, Age Adjusted and Crude Rates for Hispanic Ethnicity, by Florida and BSCIP Region, 2006-2008.

Area	2006-2008				
	Total Population	Total Number	Average Number	Age Adjusted Rate	Crude Rate
BSCIP Region 1	191,730	11	4	1.69	1.91
BSCIP Region 2	638,055	53	18	2.82	2.77
BSCIP Region 3	580,414	47	16	2.99	2.70
BSCIP Region 4	907,861	46	15	1.75	1.69
BSCIP Region 5	1,550,055	94	31	1.94	2.02
Florida	3,868,115	251	84	2.21	2.16

Source: State of Florida, AHCA Detailed Discharge Data, 2006 - 2008; State of Florida, Department of Health, CHARTS, accessed December 2009.

Table 23: SCI-Related Discharges and Rate per 100,000 Persons, by Ethnicity, by Florida and BSCIP Region, 2006-2008.

Area	Ethnicity	2006		2007		2008		Average 2006-2008	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate
BSCIP Region 1	Hispanic	5	2.9	4	2.0	2	1.0	4	1.9
	Non-Hispanic	158	4.9	198	6.1	179	5.4	178	5.5
	Total	163	4.8	202	5.9	181	5.2	182	5.3
BSCIP Region 2	Hispanic	18	3.0	19	2.9	16	2.4	18	2.8
	Non-Hispanic	135	4.2	138	4.3	160	5.0	144	4.5
	Total	153	4.0	157	4.1	176	4.5	162	4.2
BSCIP Region 3	Hispanic	16	3.0	14	2.3	17	2.8	16	2.7
	Non-Hispanic	167	4.9	188	5.5	149	4.3	168	4.9
	Total	183	4.6	202	5.0	166	4.1	184	4.6
BSCIP Region 4	Hispanic	16	1.9	18	1.9	12	1.2	15	1.7
	Non-Hispanic	184	4.7	194	5.0	166	4.3	181	4.7
	Total	200	4.2	212	4.4	178	3.7	197	4.1
BSCIP Region 5	Hispanic	29	1.9	32	2.1	33	2.1	31	2.0
	Non-Hispanic	60	6.0	46	4.6	47	4.8	51	5.1
	Total	89	3.5	78	3.1	80	3.1	82	3.2
Florida	Hispanic	84	2.3	87	2.2	80	2.0	84	2.2
	Non-Hispanic	704	4.8	764	5.2	701	4.7	723	4.9
	Total	788	4.3	851	4.5	781	4.2	807	4.3

Source: AHCA Detailed Hospital Discharge Data, 2006-2008; Population Estimates from Florida Charts, 2006-2008.

Table 24: SCI-Related Discharges Age-Adjusted and Crude Rates by Gender, by Florida and BSCIP Regions, 2006 - 2008.

Gender	Area	Total Population	Total Number	Average Number	Age-Adjusted Rate	Crude Rate
Male	BSCIP Region 1	1,710,560	390	130	7.44	7.60
	BSCIP Region 2	1,897,722	357	119	6.09	6.27
	BSCIP Region 3	1,954,697	402	134	6.49	6.86
	BSCIP Region 4	2,345,266	426	142	5.82	6.05
	BSCIP Region 5	1,231,069	173	58	4.64	4.68
	Florida	9,139,315	1,748	583	6.17	6.38
Female	BSCIP Region 1	1,735,069	156	52	2.78	3.00
	BSCIP Region 2	1,961,033	129	43	1.95	2.19
	BSCIP Region 3	2,055,110	149	50	2.09	2.42
	BSCIP Region 4	2,461,452	164	55	1.83	2.22
	BSCIP Region 5	1,309,401	74	25	1.68	1.88
	Florida	9,522,066	672	224	2.05	2.35

Source: State of Florida, AHCA Detailed Discharge Data, 2006 - 2008; State of Florida, Department of Health, CHARTS, accessed December 2009.

Table 25: SCI-Related Discharges and Rate per 100,000 Persons, by Gender, by Florida and BSCIP Region, 2006-2008.

Area	Gender	2006		2007		2008		Average 2006-2008	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate
BSCIP Region 1	Females	45	2.6	61	3.5	50	2.8	52	3.0
	Males	118	7.0	141	8.2	131	7.6	130	7.6
	Total	163	4.8	202	5.9	181	5.2	182	5.3
BSCIP Region 2	Females	40	2.1	34	1.7	55	2.8	43	2.2
	Males	113	6.1	123	6.5	121	6.3	119	6.3
	Total	153	4.0	157	4.1	176	4.5	162	4.2
BSCIP Region 3	Females	38	1.9	57	2.8	54	2.6	50	2.4
	Males	145	7.5	145	7.4	112	5.7	134	6.9
	Total	183	4.6	202	5.0	166	4.1	184	4.6
BSCIP Region 4	Females	60	2.5	58	2.3	46	1.9	55	2.2
	Males	140	6.0	154	6.5	132	5.6	142	6.1
	Total	200	4.2	212	4.4	178	3.7	197	4.1
BSCIP Region 5	Females	26	2.0	24	1.8	24	1.8	25	1.9
	Males	63	5.2	54	4.4	56	4.5	58	4.7
	Total	89	3.5	78	3.1	80	3.1	82	3.2
Florida	Females	209	2.2	234	2.4	229	2.4	224	2.4
	Males	579	6.4	617	6.7	552	6.0	583	6.4
	Total	788	4.3	851	4.5	781	4.2	807	4.3

Source: AHCA Detailed Hospital Discharge Data, 2006-2008; Population Estimates from Florida Charts, 2006-2008.

Table 26: SCI-Related Discharges and Rate per 100,000 Persons, by Age Group, by Florida and BSCIP Region, 2006-2008.

Area	Age Group	2006		2007		2008		Average 2006-2008	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate
BSCIP Region 1	0 - 14	4	0.6	1	0.2	3	0.5	3	0.4
	15 - 24	30	5.5	43	7.8	28	5.1	34	6.1
	25 - 34	27	6.1	22	4.9	21	4.6	23	5.2
	35 - 44	17	3.6	32	6.8	31	6.7	27	5.7
	45 - 64	38	4.4	67	7.6	62	6.9	56	6.3
	65 +	47	10.8	37	8.2	36	7.7	40	8.9
	Total	163	4.8	202	5.9	181	5.2	182	5.3
BSCIP Region 2	0 - 14	3	0.4	6	0.8	8	1.1	6	0.8
	15 - 24	22	4.5	33	6.6	32	6.4	29	5.8
	25 - 34	24	5.2	19	4.0	16	3.3	20	4.2
	35 - 44	16	3.1	24	4.6	24	4.7	21	4.1
	45 - 64	43	4.4	42	4.2	46	4.5	44	4.4
	65 +	45	6.9	33	4.9	50	7.3	43	6.4
	Total	153	4.0	157	4.1	176	4.5	162	4.2
BSCIP Region 3	0 - 14	7	1.0	4	0.6	5	0.7	5	0.7
	15 - 24	38	8.1	32	6.7	19	4.0	30	6.3
	25 - 34	15	3.3	20	4.3	18	3.9	18	3.8
	35 - 44	21	4.0	32	6.1	17	3.3	23	4.4
	45 - 64	48	4.7	50	4.8	53	5.0	50	4.8
	65 +	54	7.0	64	8.2	54	6.8	57	7.3
	Total	183	4.6	202	5.0	166	4.1	184	4.6
BSCIP Region 4	0 - 14	7	0.8	10	1.2	3	0.3	7	0.8
	15 - 24	28	5.2	26	4.7	24	4.4	26	4.8
	25 - 34	24	4.5	18	3.3	13	2.4	18	3.4
	35 - 44	29	4.5	38	5.9	27	4.3	31	4.9
	45 - 64	53	4.3	60	4.8	53	4.2	55	4.4
	65 +	59	6.2	60	6.3	58	6.0	59	6.1
	Total	200	4.2	212	4.4	178	3.7	197	4.1
BSCIP Region 5	0 - 14	2	0.4	0	-	1	0.2	1	0.2
	15 - 24	15	4.4	16	4.6	15	4.4	15	4.5
	25 - 34	9	2.7	11	3.2	9	2.7	10	2.9
	35 - 44	16	4.1	12	3.1	9	2.4	12	3.2
	45 - 64	24	3.9	25	4.0	22	3.5	24	3.8
	65 +	23	6.7	14	4.0	24	6.7	20	5.8
	Total	89	3.5	78	3.1	80	3.1	82	3.2
Florida	0 - 14	23	0.7	21	0.6	20	0.6	21	0.6
	15 - 24	133	5.6	150	6.2	118	4.9	134	5.6
	25 - 34	99	4.4	90	3.9	77	3.4	89	3.9
	35 - 44	99	3.9	138	5.4	108	4.3	115	4.5
	45 - 64	206	4.4	244	5.1	236	4.8	229	4.8
	65 +	228	7.2	208	6.5	222	6.8	219	6.8
	Total	788	4.3	851	4.5	781	4.2	807	4.3

Source: AHCA Detailed Hospital Discharge Data, 2006-2008; Population Estimates from Florida Charts, 2006-2008.

Table 27: SCI-Related Discharges by Discharge Status, Florida, 2006-2008.

Discharge Status	2006		2007		2008		Average 2006-2008	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Against Medical Advice	7	0.9	8	0.9	5	0.6	7	0.8
Another Type of Institution	99	12.6	80	9.4	96	12.3	92	11.4
Expired	67	8.5	52	6.1	49	6.3	56	6.9
Home	198	25.1	230	27.0	219	28.0	216	26.7
Home Health Care	49	6.2	47	5.5	54	6.9	50	6.2
Hospice - Home	1	0.1	2	0.2	2	0.3	2	0.2
Hospice - Medical Facility	5	0.6	14	1.6	9	1.2	9	1.2
Inpatient Rehab Facility	206	26.1	232	27.3	156	20.0	198	24.5
Intermediate Care Facility	6	0.8	5	0.6	17	2.2	9	1.2
Long Term Care Hospital	3	0.4	12	1.4	15	1.9	10	1.2
Psych Hospital	1	0.1	2	0.2	0	0.0	1	0.1
Short Term General Hospital	51	6.5	37	4.3	37	4.7	42	5.2
Skilled Nursing Facility	95	12.1	130	15.3	122	15.6	116	14.3
Total	788	100.0	851	100.0	781	100.0	807	100.0

Source: AHCA Detailed Hospital Discharge Data, 2006-2008; Population Estimates from Florida Charts, 2006-2008.

Table 28: SCI-Related Discharges by Payor Source, Florida, 2006-2008.

Payor Source	2006		2007		2008		Average 2006-2008	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Charity	30	3.8	20	2.4	17	2.2	22	2.8
Commercial Insurance	312	39.6	340	40.0	329	42.1	327	40.5
Medicaid	88	11.2	124	14.6	86	11.0	99	12.3
Medicare	220	27.9	205	24.1	213	27.3	213	26.4
Others	78	9.9	89	10.5	60	7.7	76	9.4
Self Pay/ Underinsured	60	7.6	73	8.6	76	9.7	70	8.6
Total	788	100.0	851	100.0	781	100.0	807	100.0

Source: AHCA Detailed Hospital Discharge Data, 2006-2008; Population Estimates from Florida Charts, 2006-2008.

Table 29: SCI- Related Discharges by Cause, Rate per 100,000 Persons, by Florida and BSCIP Region, 2006-2008.

Area	External Cause	2006		2007		2008		Average 2006-2008	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate
BSCIP Region 1	Assaults/Homicide	9	0.27	16	0.46	10	0.29	12	0.34
	Falls	70	2.06	75	2.17	58	1.66	68	1.96
	Motor Vehicle	51	1.50	70	2.03	65	1.86	62	1.80
	Other	7	0.21	5	0.14	10	0.29	7	0.21
	Other Accidents	24	0.71	35	1.01	37	1.06	32	0.93
	Unknown	2	0.06	1	0.03	1	0.03	1	0.04
	Total	163	4.80	202	5.85	181	5.18	182	5.28
BSCIP Region 2	Assaults/Homicide	6	0.16	7	0.18	8	0.20	7	0.18
	Falls	50	1.32	41	1.06	67	1.72	53	1.36
	Motor Vehicle	60	1.58	54	1.39	53	1.36	56	1.44
	Other	7	0.18	4	0.10	12	0.31	8	0.20
	Other Accidents	19	0.50	40	1.03	31	0.79	30	0.78
	Unknown	11	0.29	11	0.28	5	0.13	9	0.23
	Total	153	4.03	157	4.05	176	4.51	162	4.20
BSCIP Region 3	Assaults/Homicide	5	0.13	5	0.12	9	0.22	6	0.16
	Falls	67	1.69	73	1.81	73	1.81	71	1.77
	Motor Vehicle	67	1.69	79	1.96	55	1.36	67	1.67
	Other	6	0.15	13	0.32	11	0.27	10	0.25
	Other Accidents	32	0.81	25	0.62	16	0.40	24	0.61
	Unknown	6	0.15	7	0.17	2	0.05	5	0.12
	Total	183	4.61	202	5.02	166	4.11	184	4.58
BSCIP Region 4	Assaults/Homicide	12	0.25	15	0.31	10	0.21	12	0.26
	Falls	86	1.81	97	2.01	80	1.66	88	1.82
	Motor Vehicle	64	1.34	56	1.16	46	0.95	55	1.15
	Other	7	0.15	13	0.27	7	0.15	9	0.19
	Other Accidents	24	0.50	26	0.54	32	0.66	27	0.57
	Unknown	7	0.15	5	0.10	3	0.06	5	0.10
	Total	200	4.20	212	4.39	178	3.69	197	4.09
BSCIP Region 5	Assaults/Homicide	8	0.32	12	0.47	7	0.27	9	0.35
	Falls	33	1.31	28	1.10	30	1.17	30	1.19
	Motor Vehicle	39	1.55	29	1.14	26	1.02	31	1.23
	Other	2	0.08	1	0.04	5	0.20	3	0.10
	Other Accidents	6	0.24	7	0.28	8	0.31	7	0.28
	Unknown	1	0.04	1	0.04	4	0.16	2	0.08
	Total	89	3.53	78	3.06	80	3.13	82	3.24
Florida	Assaults/Homicide	40	0.22	55	0.29	44	0.23	46	0.25
	Falls	306	1.66	314	1.68	308	1.64	309	1.66
	Motor Vehicle	281	1.52	288	1.54	245	1.30	271	1.45
	Other	29	0.16	36	0.19	45	0.24	37	0.20
	Other Accidents	105	0.57	133	0.71	124	0.66	121	0.65
	Unknown	27	0.15	25	0.13	15	0.08	22	0.12
	Total	788	4.27	851	4.54	781	4.15	807	4.32

Source: AHCA Detailed Hospital Discharge Data, 2006-2008; Population Estimates from Florida Charts, 2006-2008.

Table 30: SCI-Related Discharge and Rate per 100,000 Persons, by Type of Motor Vehicle Accident, by Florida and BSCIP Region, 2006-2008.

Area	Motor Vehicle Type	2006		2007		2008		Average 2006-2008	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate
BSCIP Region 1	Motorcycle	9	0.27	13	0.38	11	0.32	11	0.32
	Occupant	33	0.97	48	1.39	43	1.23	41	1.20
	Other & Unspecified	3	0.09	5	0.14	5	0.14	4	0.13
	Pedalcycle	0	0.00	2	0.06	3	0.09	2	0.05
	Pedestrian	6	0.18	2	0.06	3	0.09	4	0.11
	Total	51	1.50	70	2.03	65	1.86	62	1.80
BSCIP Region 2	Motorcycle	16	0.42	11	0.28	9	0.23	12	0.31
	Occupant	39	1.03	38	0.98	37	0.95	38	0.98
	Other & Unspecified	3	0.08	2	0.05	4	0.10	3	0.08
	Pedalcycle	1	0.03	1	0.03	2	0.05	1	0.03
	Pedestrian	1	0.03	2	0.05	1	0.03	1	0.03
	Total	60	1.58	54	1.39	53	1.36	56	1.44
BSCIP Region 3	Motorcycle	10	0.25	13	0.32	7	0.17	10	0.25
	Occupant	41	1.03	58	1.44	35	0.87	45	1.11
	Other & Unspecified	7	0.18	3	0.07	4	0.10	5	0.12
	Pedalcycle	7	0.18	3	0.07	6	0.15	5	0.13
	Pedestrian	2	0.05	2	0.05	3	0.07	2	0.06
	Total	67	1.69	79	1.96	55	1.36	67	1.67
BSCIP Region 4	Motorcycle	18	0.38	9	0.19	7	0.15	11	0.24
	Occupant	34	0.71	40	0.83	30	0.62	35	0.72
	Other & Unspecified	9	0.19	3	0.06	3	0.06	5	0.10
	Pedalcycle	2	0.04	2	0.04	3	0.06	2	0.05
	Pedestrian	1	0.02	2	0.04	3	0.06	2	0.04
	Total	64	1.34	56	1.16	46	0.95	55	1.15
BSCIP Region 5	Motorcycle	7	0.28	2	0.08	2	0.08	4	0.14
	Occupant	27	1.07	21	0.83	17	0.67	22	0.85
	Other & Unspecified	1	0.04	4	0.16	5	0.20	3	0.13
	Pedalcycle	3	0.12	0	0.00	1	0.04	1	0.05
	Pedestrian	1	0.04	2	0.08	1	0.04	1	0.05
	Total	39	1.55	29	1.14	26	1.02	31	1.23
Florida	Motorcycle	60	0.33	48	0.26	36	0.19	48	0.26
	Occupant	174	0.94	205	1.09	162	0.86	180	0.97
	Other & Unspecified	23	0.12	17	0.09	21	0.11	20	0.11
	Pedalcycle	13	0.07	8	0.04	15	0.08	12	0.06
	Pedestrian	11	0.06	10	0.05	11	0.06	11	0.06
	Total	281	1.52	288	1.54	245	1.30	271	1.45

Source: AHCA Detailed Hospital Discharge Data, 2006-2008; Population Estimates from Florida Charts, 2006-2008.

Spinal Cord Injury Related Program Data Tables

Data presented displays information from programs which serve individuals with SCI in the state of Florida.

Central Registry New Injury Referrals Tables

Mandated by the Florida legislature (Florida Statute 381.74), the Central Registry (CR) collects information on individuals who experience a moderate-to-severe brain or spinal cord injury including name, age, residence, type of disability of the individual and other information as deemed necessary by the department.² The CR is housed in the Rehabilitation Information Management System (RIMS). Cases were identified if the referral occurred between calendar years 2005 through 2008 and the injury reported was either a spinal cord injury or a dual injury (brain and spinal cord injury) diagnosis. BSCIP Regions were identified by county of injury.

Table 31 summarizes the methodology used to apply an external cause of injury category to the injury etiology established by BSCIP and RIMS. This methodology also applies to the BSCIP Trust Fund Clients Served presented in the next section.

Table 31: External Cause of Injury Categorization for ICD-9 Codes for BSCIP Etiology, 2005-2008.

Etiology	E-code Description	Etiology	E-code Description
Altercation, assault	Assault	Fall From Auto/Truck	Motor Vehicle-Traffic Related
Assault/machine gun	Assault	Auto/Truck Crash	Motor Vehicle-Traffic Related
Domestic Violence	Assault	Bicycle/auto collision	Motor Vehicle-Traffic Related
Guns	Assault	Heavy Equipment (farm/construction)	Motor Vehicle-Traffic Related
Stabbing	Assault	Motorcycle	Motor Vehicle-Traffic Related
Rifle	Assault	Pedestrian/auto collision	Motor Vehicle-Traffic Related
Shaken Baby Syndrome	Assault	Car Surfing	Motor Vehicle-Traffic Related
Jump/fall	Falls	Unknown vehicle	Motor Vehicle-Traffic Related
Other sport	Sport	Medical complication	Other
Recreational sport	Sport	Other	Other
Swimming	Sport	Pedestrian/bike collision	Other
Diving into a natural body of	Sport	Pedestrian/unknown	Other
Diving into a pool	Sport	ATV/Moped/Dirt bike/Go-cart	Other
Diving unknown	Sport	Boating/Jet ski	Other
Football/Soccer/Hockey	Sport	Airplane/Train crash	Other
Skating/Skateboard/Scooter	Sport	Bicycle/not auto collision	Other
Unknown	Unknown	War Injury	Other
		Falling object	Other

Source: CDC, Recommended Framework of E-code Groupings for Presenting Injury Mortality and Morbidity Data, <http://www.cdc.gov/ncipc/whatsnew/matrix2.htm>, 2007.

E-code Determination:

Sport explanation: There has been increased interest in looking at sports-related traumatic brain injuries. BSCIP categories some sports-related injuries, but by the etiology it is hard to determine the exact mechanism of the injury. Also, sports are not well captured using ICD-9-CM codes. Sports-related injuries would probably mostly fall in a combination of the "Fall" category and the "Struck by/against" category. For the purposes of this report they are either considered "Sports-Related" or "Other".

Motor vehicle traffic explanation: MV traffic incidents are those that involve and motor vehicle and happen on a public roadway. If a motor vehicle (car, truck, etc) hits or is hit by something else (pedestrian, bicyclist, etc) on a

public roadway, it's a MV traffic incident. If a motor vehicle is not involved or if a motor vehicle is involved but it doesn't happen on a public roadway, then it's not considered MV traffic.

Other: This category includes the following topics: pedestrian other, transport other, pedal cyclist other, medical complications, other

* These determinations were made with the help of Karen Thomas Data Manager, Program Team National Center for Injury Prevention and Control, Division of Injury Response.

Table 32: Average Annual New Injury Referrals to the CR by County of Injury, by Florida, BSCIP Regions, and County, 2005-2008.

Area	Average Annual Number	Percent	Area	Average Annual Number	Percent
Alachua	14	2.0	Liberty	1	0.1
Baker	1	0.2	Madison	1	0.1
Bay	9	1.2	Manatee	8	1.2
Bradford	1	0.1	Marion	13	1.9
Brevard	16	2.3	Martin	9	1.2
Broward	32	4.6	Miami-Dade	93	13.6
Calhoun	1	0.1	Monroe	5	0.7
Charlotte	5	0.7	Nassau	2	0.3
Citrus	4	0.6	Okaloosa	6	0.9
Clay	5	0.7	Okeechobee	2	0.3
Collier	6	0.9	Orange	31	4.5
Columbia	6	0.9	Osceola	6	0.8
DeSoto	2	0.3	Palm Beach	36	5.2
Dixie	1	0.1	Pasco	13	1.9
Duval	43	6.3	Pinellas	23	3.4
Escambia	24	3.6	Polk	27	4.0
Flagler	4	0.5	Putnam	4	0.6
Franklin	<1	<0.1	Santa Rosa	6	0.9
Gadsden	5	0.7	Sarasota	6	0.9
Gilchrist	1	0.1	Seminole	5	0.7
Glades	1	0.1	St. Johns	10	1.5
Gulf	1	0.1	St. Lucie	6	0.8
Hamilton	1	0.1	Sumter	4	0.5
Hardee	2	0.3	Suwannee	3	0.4
Hendry	3	0.4	Taylor	2	0.2
Hernando	8	1.1	Union	1	0.2
Highlands	3	0.5	Volusia	30	4.4
Hillsborough	38	5.5	Wakulla	1	0.1
Holmes	1	0.1	Walton	3	0.4
Indian River	4	0.5	Washington	1	0.1
Jackson	2	0.3	BSCIP Region 1	166	24.3
Jefferson	1	0.2	BSCIP Region 2	124	18.1
Lafayette	<1	<0.1	BSCIP Region 3	127	18.5
Lake	8	1.1	BSCIP Region 4	123	18.0
Lee	21	3.1	BSCIP Region 5	97	14.2
Leon	11	1.5	Florida	683	100.0
Levy	2	0.3			

Note: 185 referrals (46 per year) did not have a county of injury identified, were from out of the state or county, or were unknown.

Sources: Florida Department of Health, Brain and Spinal Cord Injury Program, RIMS, accessed October 2009.

Table 33: Selected Average Annual SCI-Related CR New Injury Characteristics, Florida and BSCIP Region, 2005-2008.

Characteristics	BSCIP Region 1		BSCIP Region 2		BSCIP Region 3	
	Number	Percent	Number	Percent	Number	Percent
New Injury Referrals	166	24.3	124	18.1	127	18.5
Age Group						
0-14 years	2	1.2	3	2.4	4	3.1
15-24 years	41	24.7	24	19.4	30	23.6
25-34 years	27	16.3	24	19.4	19	15.0
35-44 years	30	18.1	19	15.3	20	15.7
45-64 years	46	27.7	4	3.2	34	26.8
65 years +	20	12.0	14	11.3	21	16.5
Race						
White	118	71.1	91	73.4	99	78.0
Black	44	26.5	21	16.9	24	18.9
Other	3	1.8	3	2.4	1	0.8
Ethnicity						
Hispanic	7	4.2	11	9.1	14	11.0
Non-Hispanic	157	94.6	104	83.9	110	86.6
Gender						
Male	128	77.1	97	78.2	99	78.0
Female	37	22.2	26	21.0	27	21.3
Causes						
Motor Vehicle	79	47.6	61	49.2	67	5.3
Assault	18	10.8	15	12.1	11	8.7
Sport Related	11	6.6	7	5.6	5	3.9
Falls	42	25.3	24	19.4	32	25.2
Other	11	6.6	11	8.9	9	7.1
Unknown	6	3.6	5	4.0	4	3.1
Characteristics	BSCIP Region 4		BSCIP Region 5		Florida	
	Number	Percent	Number	Percent	Number	Percent
New Injury Referrals	123	18.0	97	14.2	683	100.0
Age Group						
0-14 years	3	2.4	2	2.1	15	2.2
15-24 years	27	22.0	23	27.7	156	22.8
25-34 years	22	17.9	17	17.5	122	17.9
35-44 years	23	18.7	15	15.5	113	16.5
45-64 years	33	26.8	30	30.9	193	28.3
65 years +	16	13.0	11	11.3	85	12.4
Race						
White	90	73.2	62	63.9	496	72.7
Black	28	22.8	34	35.1	159	23.3
Other	1	0.8	0	0.0	8	1.2
Ethnicity						
Hispanic	20	16.3	42	43.3	103	15.1
Non-Hispanic	99	80.5	54	55.7	560	82.0
Gender						
Male	93	75.6	76	78.4	529	77.5
Female	30	24.4	22	22.7	151	22.1
Causes						
Motor Vehicle	53	43.1	48	49.5	333	48.8
Assault	19	15.4	16	16.5	84	12.3
Sport Related	5	4.1	3	3.1	35	5.1
Falls	30	24.4	23	23.7	156	22.8
Other	8	6.5	4	4.1	37	6.9
Unknown	9	7.3	4	4.1	10	1.5

Notes: Numbers may not sum due to rounding; Unknown values are not presented in this table, but are included in total numbers.

A total of 185 referrals (46 per year) were not able to be categorized into BSCIP Region of Injury; they are included in FL totals.

Sources: Florida Department of Health, Brain and Spinal Cord Injury Program, RIMS, accessed October 2009.

Table 34: Average Annual New Injury Referrals to the CR by Referral Source, by Florida and BSCIP Regions, 2005-2008.

Area	Designated Trauma Centers		Other	
	Number	Percent	Number	Percent
BSCIP Region 1	124	74.6	42	25.3
BSCIP Region 2	108	87.7	15	12.3
BSCIP Region 3	91	71.9	36	28.1
BSCIP Region 4	102	82.9	21	17.1
BSCIP Region 5	86	84.4	11	11.6
Florida	549	80.4	134	19.6

Note: 185 referrals were not able to be categorized into BSCIP Region.

Sources: Florida Department of Health, Brain and Spinal Cord Injury Program, RIMS, accessed October 2009.

Table 35: Average Annual CR New Injury Referrals by Level of Injury, Florida and BSCIP Region, 2005-2008.

Area	C1-C4		C5-C8		T1-T12		L1-S3	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
BSCIP Region 1	45	27.0	58	34.8	46	27.9	16	9.3
BSCIP Region 2	31	24.9	44	35.8	34	27.7	12	9.9
BSCIP Region 3	36	28.3	44	34.4	31	24.7	14	10.9
BSCIP Region 4	30	24.6	40	32.1	38	31.1	14	11.4
BSCIP Region 5	30	30.3	28	28.8	22	22.6	18	18.0
Florida	178	26.1	231	33.8	187	27.4	78	11.4

Note: 185 referrals were not able to be categorized into BSCIP Region. Percentage distribution includes those with unknown injury level.

Sources: Florida Department of Health, Brain and Spinal Cord Injury Program, RIMS, accessed October 2009.

Table 36: Average Annual CR New Injury Referrals by Level of Dysfunction, Florida and BSCIP, 2005-2008.

Area	Sensory		Motor		Bowel/Bladder		More than 2 Dysfunctions	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
BSCIP Region 1	145	87.5	147	88.3	112	67.6	147	88.6
BSCIP Region 2	113	91.1	115	92.7	87	70.6	115	93.1
BSCIP Region 3	117	92.1	120	94.5	94	73.9	119	94.1
BSCIP Region 4	102	82.9	105	85.0	80	65.2	105	85.0
BSCIP Region 5	71	72.5	72	73.8	48	48.8	72	73.5
Florida	588	86.2	599	87.8	453	66.3	599	87.8

Note: 185 referrals were not able to be categorized into BSCIP Region.

Sources: Florida Department of Health, Brain and Spinal Cord Injury Program, RIMS, accessed October 2009.

BSCIP Trust Fund Clients Serviced Tables

The data presented includes all SCI Trust Fund clients for calendar years 2005 through 2008. The clients were identified using the RIMS. Trust Fund clients were included in this analysis if they were identified as having “in-service” status at any point during the calendar year. The data below also includes individuals participating in the Institution Transition Initiative that is designed to transition individuals with SCI who live in institutional living facilities to less restrictive environments. These individuals are included because the program is funded by Trust Fund dollars and the individuals receive the same types of services as the general client population.

Table 37: Total Clients Served by BSCIP Trust Fund by County of Injury and County of Residence, by Florida, BSCIP Regions, and County, 2005-2008.

Area	County of Injury		County of Residence		Area	County of Injury		County of Residence	
	Number	Percent	Number	Percent		Number	Percent	Number	Percent
Alachua	46	2.3	43	2.3	Liberty	4	.2	4	.2
Baker	7	.4	5	.4	Madison	3	.2	2	.2
Bay	26	1.3	25	1.3	Manatee	28	1.4	28	1.4
Bradford	6	.3	11	.3	Marion	40	2.0	47	2.0
Brevard	46	2.3	48	2.3	Martin	16	.8	17	.8
Broward	120	6.0	144	6.0	Miami-Dade	262	13.2	273	13.2
Calhoun	0	0.0	1	.3	Monroe	12	.6	5	.6
Charlotte	5	.3	7	.6	Nassau	7	.4	12	.4
Citrus	12	.6	14	.8	Okaloosa	18	.9	18	.9
Clay	15	.8	20	.6	Okeechobee	6	.3	8	.3
Collier	12	.6	14	.6	Orange	77	3.9	82	3.9
Columbia	12	.6	12	2.3	Osceola	16	.8	19	.8
DeSoto	2	.1	3	.1	Palm Beach	83	4.2	82	4.2
Dixie	4	.2	8	.2	Pasco	42	2.1	51	2.1
Duval	142	7.1	141	7.1	Pinellas	70	3.5	82	3.5
Escambia	65	3.3	71	3.3	Polk	71	3.6	71	3.6
Flagler	10	.5	5	.5	Putnam	18	.9	14	.9
Franklin	3	.2	3	.2	Santa Rosa	18	.9	21	.9
Gadsden	11	.6	11	.6	Sarasota	22	1.1	29	1.1
Gilchrist	5	.3	4	.3	Seminole	18	.9	20	.9
Glades	3	.2	0	.2	St. Johns	37	1.9	40	1.9
Gulf	4	.2	5	.2	St. Lucie	16	.8	25	.8
Hamilton	2	.1	2	.1	Sumter	10	.5	8	.5
Hardee	6	.3	5	.3	Suwannee	10	.5	7	.5
Hendry	6	.3	5	.3	Taylor	4	.2	3	.2
Hernando	20	1.0	19	1.0	Union	7	.4	7	.4
Highlands	5	.3	7	.3	Volusia	61	3.1	70	3.1
Hillsborough	116	5.8	137	5.8	Wakulla	2	.1	4	.1
Holmes	2	.1	4	.1	Walton	4	.2	3	.2
Indian River	12	.6	16	.6	Washington	3	.2	4	.2
Jackson	8	.4	6	.4	BSCIP Region 1	517	26.0	526	26.5
Jefferson	3	.2	3	.2	BSCIP Region 2	324	16.3	359	18.1
Lafayette	2	.1	0	.1	BSCIP Region 3	377	19.0	424	21.3
Lake	26	1.3	27	1.3	BSCIP Region 4	336	16.9	373	18.8
Lee	51	2.6	51	2.6	BSCIP Region 5	274	13.8	278	14.0
Leon	23	1.2	19	1.2	Florida	1,987	100.0	1,987	100.0
Levy	5	.3	8	.3					

Note: 159 clients served had an unknown county of injury and 27 had an unknown county of residence.

Sources: Florida Department of Health, Brain and Spinal Cord Injury Program, RIMS, accessed October 2009.

Table 38: Selected BSCIP Trust Fund Client Characteristics, Florida and BSCIP Region 2005-2008.

Characteristics	BSCIP Region 1		BSCIP Region 2		BSCIP Region 3	
	Number	Percent	Number	Percent	Number	Percent
Clients Served	526	26.5	359	18.1	424	21.3
Age Group						
0-14 years	18	3.4	17	4.7	16	3.8
15-24 years	152	28.9	118	32.9	124	29.2
25-34 years	96	18.3	75	20.9	88	20.8
35-44 years	98	18.6	48	13.4	73	17.2
45-64 years	129	24.5	87	24.2	95	22.4
65 years +	32	6.1	14	3.9	28	6.6
Race						
White	362	68.8	281	78.3	337	79.5
Black	135	25.7	62	17.3	79	18.6
Other	7	1.3	6	1.7	4	0.9
Ethnicity						
Hispanic	10	1.9	30	5.6	40	9.4
Non-Hispanic	513	97.5	509	94.4	384	90.6
Gender						
Male	413	78.5	284	79.1	326	76.9
Female	112	21.1	75	20.9	97	22.9
Causes						
Motor Vehicle	269	51.1	198	55.2	211	49.8
Assault	67	12.7	34	9.5	44	10.4
Sport Related	39	7.4	31	8.6	34	8.0
Falls	100	19.0	52	14.5	87	20.5
Other	22	4.2	25	7.0	26	6.1
Unknown	29	5.5	19	5.3	22	5.2
Characteristics	BSCIP Region 4		BSCIP Region 5		Florida	
	Number	Percent	Number	Percent	Number	Percent
Clients Served	373	18.8	278	14.0	1,987	100.0
Age Group						
0-14 years	25	6.7	4	1.4	80	4.0
15-24 years	113	30.3	92	33.1	608	30.6
25-34 years	64	17.2	47	16.9	378	19.0
35-44 years	82	22.0	50	18.0	353	17.8
45-64 years	74	19.8	74	26.6	466	23.5
65 years +	15	4.0	11	4.0	101	5.1
Race						
White	259	69.4	166	59.7	1,428	71.9
Black	102	27.3	105	37.8	505	25.4
Other	6	1.6	0	0.0	25	1.3
Ethnicity						
Hispanic	41	11.0	100	36.0	222	11.2
Non-Hispanic	326	87.4	172	61.9	1,1736	87.4
Gender						
Male	282	75.6	203	73.0	1530	77.0
Female	91	24.4	74	26.6	454	22.8
Causes						
Motor Vehicle	177	47.5	122	43.9	993	50.0
Assault	65	17.4	64	23.0	275	13.8
Sport Related	21	5.6	16	5.8	142	7.1
Falls	64	17.2	39	14.0	345	17.4
Other	28	7.5	17	6.1	121	6.1
Unknown	18	4.8	20	7.2	111	5.6

Notes: Numbers may not sum due to rounding; Unknown values are not presented in this table, but are included in the total.

27 clients were not able to be categorized into BSCIP Region of Residence; they are included in FL totals.

Sources: Florida Department of Health, Brain and Spinal Cord Injury Program, RIMS, accessed November 2009.

Table 39: Total Clients Served by BSCIP Trust Fund by Referral Source, by Florida and BSCIP Region of Residence, 2005-2008.

Area	Designated Trauma Centers		Other	
	Number	Percent	Number	Percent
BSCIP Region 1	280	53.2	246	46.8
BSCIP Region 2	242	67.4	117	32.6
BSCIP Region 3	283	66.7	141	33.3
BSCIP Region 4	256	68.6	117	31.4
BSCIP Region 5	178	64.0	100	36.0
Florida	1,264	63.6	723	36.4

27 clients were not able to be categorized into BSCIP Region of Residence; they are included in FL totals.

Sources: Florida Department of Health, Brain and Spinal Cord Injury Program, RIMS, accessed October 2009.

Table 40: BSCIP Trust Fund Clients Served by Level of Injury, Florida and BSCIP Region of Residence, 2005-2008.

Area	C1-C4		C5-C8		T1-T12		L1-S3	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
BSCIP Region 1	130	24.7	188	35.7	155	29.5	48	9.1
BSCIP Region 2	56	15.6	160	44.6	115	32.0	24	1.7
BSCIP Region 3	112	26.4	165	38.9	105	24.8	34	8.0
BSCIP Region 4	82	22.0	117	31.4	136	36.5	35	9.4
BSCIP Region 5	54	19.4	105	37.8	85	30.6	33	11.9
Florida	441	22.2	749	37.7	600	30.2	176	8.9

27 clients were not able to be categorized into BSCIP Region of Residence; they are included in FL totals.

Sources: Florida Department of Health, Brain and Spinal Cord Injury Program, RIMS, accessed October 2009.

Table 41: BSCIP Trust Fund Clients Served by Level of Dysfunction, Florida and BSCIP Region of Residence, 2005-2008.

Area	Sensory		Motor		Bowel/Bladder		More than 2 Dysfunctions	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
BSCIP Region 1	487	92.6	494	93.9	410	77.9	497	94.5
BSCIP Region 2	338	94.2	341	95.0	283	78.8	346	96.4
BSCIP Region 3	396	93.4	405	95.5	347	81.8	403	95.0
BSCIP Region 4	344	92.2	355	95.2	309	82.8	354	95.0
BSCIP Region 5	244	87.8	252	90.6	201	72.3	251	90.3
Florida	1832	92.2	1871	94.2	1568	78.9	1,874	94.3

27 clients were not able to be categorized into BSCIP Region of Residence; they are included in FL totals.

Sources: Florida Department of Health, Brain and Spinal Cord Injury Program, RIMS, accessed October 2009.

BSCIP Home and Community Based Waiver Tables

Home and community-based waivers are used by states to obtain Federal matching funds to provide long-term care to patients to help maintain their ability to live outside of institutional settings. Eligibility for the BSCIP Home and Community-Based Medicaid Waiver includes: permanent Florida residency, being 18 years of age or older, referral to CR, meeting the state definition for TBI or spinal cord injury or both, being medically stable, meeting at least Level II nursing home level of care, and being financially eligible to receive Florida Medicaid. The core Waiver services include: adaptive health and wellness services, attendant care services, assistive technology and adaptive equipment, behavioral programming, community support coordination, companion services, life skills training, environmental accessibility adaptation, personal adjustment counseling, rehab engineering evaluations, personal care assistance, and consumable medical supplies.

Data presented in this section represent for all SCI Waiver clients, including spinal cord injuries and both brain and spinal cord injuries, that received services during calendar years 2005 through 2008. The data was obtained from RIMS.

Table 42: Selected SCI-Related BSCIP Medicaid Waiver Client Characteristics, Florida 2005-2008.

Characteristics	Number	Percent
Waiver Participants	256	100.0
Gender		
Female	62	24.2
Male	194	75.8
Age Group		
0-14 years	0	0.0
15-24 years	10	3.9
25-34 years	61	23.8
35-44 years	62	24.2
45-64 years	120	46.9
65 years +	3	1.2
Race		
White	206	80.4
Black	48	18.8
Other	1	0.4
Ethnicity		
Hispanic	16	6.2
Non-Hispanic	239	93.4
Current Level of Injury		
C1-C4	72	28.1
C5-C8	168	65.5
L1-S3	1	0.4
T1-T12	15	5.9
Area of Dysfunction/ Deficit		
Sensory	248	96.9
Motor	248	96.9
Bowel/Bladder	242	94.5

Notes: Numbers may not sum due to rounding; Unknown values are not presented in this table, but are included in the totals.

Sources: Florida Department of Health, Brain and Spinal Cord Injury Program, RIMS, accessed October 2009.

Table 43: Service Units and Service Cost by Service Type for BSCIP Home and Community-Based Medicaid Waiver, 2005-2008.

Service Type	Service Units		Service Cost	
	Total Units	Percent	Total Dollars	Percent
Housing	17	<0.1	\$14,004	<0.1
Transportation	69	0.2	\$26,819	0.1
Personal Care	10,027	26.1	\$11,001,363	43.6
Companion Services	9,144	23.8	\$6,871,318	27.2
Attendant Care	3,466	9.0	\$3,456,732	13.7
Life Skills Training	185	0.5	\$97,294	0.4
Personal Adjustment	106	0.3	\$31,445	0.1
Community Support Coordination	7,750	20.1	\$1,005,463	4.0
Behavioral Programming	25	0.1	\$11,838	<0.1
Assistive Technologies	1,313	3.4	\$683,562	2.7
Rehabilitation Engineer Evaluation	80	0.2	\$26,188	0.1
Environmental Access Adaptation	122	0.3	\$396,110	1.6
Consumable Medical Supplies	5,204	13.5	\$637,953	2.5
Consulting Services	300	0.8	\$42,111	0.2
Comprehensive Inpatient Rehabilitation	37	0.1	\$91,515	0.4
Occupational Therapy	81	0.2	\$44,470	0.2
Physical Therapy	72	0.2	\$32,642	0.1
Psychological/ Neuropsychological Evaluation	12	<0.1	\$1,835	<0.1
Assistive Devices	205	0.5	\$340,102	1.3
Home Modifications	70	0.2	\$283,168	1.1
Medical Follow-Up	18	<0.1	\$6,181	<0.1
Medications/ Medical Supplies	86	0.2	\$28,660	0.1
Moving Costs	14	<0.1	\$4,663	<0.1
Transition Coordination	1	<0.1	\$85	<0.1
Other	87	0.2	4118,795	0.5
Total	38,491	100.0	\$25,254,317	100.0

Service cost is rounded to the nearest dollar.

Source: State of Florida, Department of Health, Brain and Spinal Cord Injury Program, RIMS, accessed October 2009.

Florida Trauma Registry Tables

The Florida Trauma Registry collects patient-level data from the state's verified trauma centers, as authorized by Florida Statutes Section 395.404(1). The Florida Trauma Registry is a comprehensive database of those injured and treated patients seen in Florida's trauma centers. The Florida trauma system relies on this data to analyze trends in injury frequency, type, and location as well as patient outcomes. Each of Florida's verified trauma centers is required by Florida Administrative Code (Rule 64J-2006) to report its trauma registry data to the Florida Department of Health, Office of Trauma on a quarterly basis as specified by the Florida Trauma Registry Manual.

The Florida Department of Health, Office of Trauma provided registry data, including age, gender and external cause of injury, for those individuals reported to the registry who were identified with a SCI as their principal diagnosis code for calendar years 2006 and 2007. Codes include:

806.0-806.9: Fracture of the vertebral column with spinal cord injury

952.0-952.9: Spinal cord injury without evidence of spinal bone injury.

Table 44: SCI-Related Discharges from Florida's Trauma Registry, 2006-2007.

Characteristics	2006		2007		Total	
	Number	Percent	Number	Percent	Number	Percent
SCI-Related Discharges	561	100.0	672	100.0	1,233	100.0
Age Group						
0-14 years	23	4.1	27	4.0	50	4.1
15-24 years	114	20.3	152	22.6	266	21.6
25-34 years	103	18.4	96	14.3	199	16.1
35-44 years	89	15.9	105	15.6	194	15.7
45-64 years	143	25.5	198	29.5	341	27.7
65 years +	87	15.5	94	14.0	181	14.7
Gender						
Male	447	79.7	515	76.6	962	78.0
Female	114	20.3	157	23.4	271	22.0
Causes						
Motor Vehicle	262	46.7	292	43.5	554	44.9
Assault	43	7.7	62	9.2	105	8.5
Falls	162	28.9	196	29.2	358	29.0
Other Accidents	85	15.2	109	16.2	194	15.7
Other	8	1.4	12	1.8	20	1.6
Unknown	1	0.2	1	0.1	2	0.2

Source: Florida Department of Health, Florida Trauma Registry, accessed December 2009.

Spinal Cord Injury Community Profile

This section summarizes the three critical areas of public perspective conducted during this assessment including: 10 SCI survivor focus groups, interviews with 25 key leaders within Florida's SCI community, and an online consumer and caregiver needs survey. This section includes a description of protocols and procedures as well as data summaries.

Focus Group Methodology and Protocol

Two trained focus group facilitators conducted 10 focus groups with 71 SCI survivors during the months of October and November 2009. Two groups were conducted in each BSCIP region. Each group was comprised of individuals based on when their injury occurred (less 5 years post injury and more than 5 years post injury).

The FSCIRC Advisory Group determined the primary goal was to identify the needs of individuals with SCI, including how needs of individuals with SCI may change occur over time. The specific goals included:

1. To identify services individuals with SCI have received or are currently receiving that are the most helpful.
2. To identify services individuals with SCI need but are currently not receiving and why.
3. To identify the biggest issues currently facing individuals with SCI who live in Florida.
4. To identify the service/services that could have the most impact or be the most helpful for individuals with SCI who live in Florida.
5. To identify issue impacting employment.
6. To understand secondary health-related complications as a result of the SCI.

Focus group protocols and questions were developed by WellFlorida Council. The protocols and questions were reviewed and approved by the FSCIRC Advisory Committee.

Multiple strategies were used to recruit participants for the focus groups. Strategies included email and regular mail distribution of materials to SCI support groups, peer mentors, BSCIP Regional Managers, and executive directors of the Centers for Independent in Living throughout the state. Additionally, emails were distributed through the FSCIRC listserv as well as an announcement of the focus groups were placed on the FSCIRC Website. FSCIRC staff and WellFlorida Council also made personal phone calls to survivors of SCI to help encourage participation in the scheduled groups. Information and marketing materials were developed by WellFlorida Council.

All interested participants were encouraged to call a designated toll-free number to register. Potential participants took part in a brief screening to determine eligibility. Focus group eligibility required that the individual sustained a traumatic spinal cord injury and resided in the BSCIP Region where the group was scheduled. Additionally, potential focus groups were asked to identify time post injury. A caregiver proxy was deemed eligible to participate in survivor groups if the long-term consequences of the injury would limit the survivor's ability to participate in this type of activity.

After a participant was deemed eligible and agreed to participate in the group, a follow-up phone call to the participant was made the day before the group meant to serve as a reminder. A reminder email was also sent out to participants who provided an email address during registration.

A gift card incentive of \$25.00 was offered for participation and was issued to participants at the conclusion of each meeting. Participant recruitment began approximately four weeks prior to the first group meeting and continued throughout the completion of the groups.

The focus groups were held in locations selected to achieve statewide representation and to increase probability of the target population being able to attend. Groups were held in the following locations:

Region 1: Pensacola and Jacksonville

Region 2: Orlando

Region 3: Tampa

Region 4: Fort Lauderdale/ Sunrise

Region 5: Miami

Please note that originally, Daytona Beach was selected as the second location for BSCIP Region 2. This group was targeting individuals who were injured less than five years ago. Due to difficulty in recruiting, this group was rescheduled for the Orlando area.

It is also important to note that the Pensacola group was not based on time post injury due to difficulty in recruitment. Project staff deemed it more important to hold a group in this area of the state regardless of when the injury occurred.

Meetings were held at various locations including centers for independent living and rehabilitation facilities. Meeting times were varied and included midmornings, afternoons and evenings. Meeting rooms were well lit, well ventilated and stocked with tables and chairs. Snacks and drinks were provided if approved by the facility to ensure a comfortable environment for participants. Meeting length was approximately 1½ hours each.

One facilitator acted as the discussion moderator and the other as recorder. The meetings were audio recorded with the permission of all participants.

[Focus Group Moderators Guide](#)

[INTRODUCTION]:

Hello and welcome to our focus group. My name is _____, with the WellFlorida Council and we are partnering with the Florida Alliance for Assistive Services and Technology (FAAST) and the Florida Department of Health Brain and Spinal Cord Injury Program, to conduct a study about the needs of individuals with spinal cord injuries. I would also like to introduce you to _____, also with the WellFlorida Council who will be helping with today's group.

Each of you is here today because you are living with a spinal cord injury that occurred _____ **[less than five years ago/ more than five years ago]**. We have invited you to participate in this group to share your experiences with SCI. We want to know about the help and services you have used or are currently using and what help and services you still need. This is one of the ten groups that will be conducted throughout the state. Our goal for this project is to be able to use the information that you provide to improve services for individuals with spinal cord injury in the state and in your area through the development of a statewide plan for SCI in the state of Florida. We thank you very much for coming and participating in this very important project. Does anyone have any questions about the project?

Before we get started, I am going to go over a few rules for the discussion group.

- I will be asking you all some questions over the next hour and a half. I encourage each of you to say as much as you are comfortable sharing. All of your opinions are important to us and this project. Feel free to share what ever you like; **there are no right or wrong answers to our questions.**
- We ask you to **respect** what other people in the group say and for you avoid negative comments about other peoples' thoughts or opinions.
- **We ask that only one person talk at a time**, we do not want to miss anything that anyone says, so it is important we do not talk over one another or break into separate conversations. If you think you might forget your ideas, please write them down. Then you can share them at the next opportunity in our conversation.
- **Most importantly, what you say in here today will remain between us.** We will not be using your name when we report the results of this study. We also ask that you not share what we talk about today in the group with others outside the group. It is important that we trust each other and that you are comfortable sharing your thoughts.
- **Your participation in this group is voluntary.** You may stop participating at any time. You do not have to answer any questions that you do not want to. You may leave the group at anytime. At the completion of the group, you will receive a \$25 Wal-Mart gift card as a thank you for your time and valuable input.
- **Finally, this is a focus group, not a support group.** We realize that through your experiences with spinal cord injury you may have some suggestions or be looking for solutions to some of the issues discussed here today. We ask that you stay on task with the topics presented in this discussion. We will provide you all with time at the end of the group to share with others if you have any suggestions or additional questions for each other.

You might have noticed the digital recorder. We are going to record our discussion so we can make sure we document what you all say accurately in the written report. These recordings will be destroyed once the report is complete. We will also be taking notes on the topics we discuss. Do I have everyone's permission to record our conversation here today?

Are there any questions about the focus group or what we are going to do here today? I have some questions, but they are only here as a guide to make sure we cover all of the issues. I will use them to get us started and keep our talk going, but please share whatever you think is important for us to know about the services you have used and need.

As you walked in we handed you a brief questionnaire. This will be used to help describe the discussion group. Please take a minute and complete these questions before we start. We will not be using this information to identify you in anyway. If you need assistance completing this form, please let us know and we will be happy to assist you.

Okay, let's get started.

[QUESTIONS]:

As a way of warming up and getting to know you, I would like to ask each of you to share with the group how long you have lived in Florida and what is your favorite thing about living here?

- 1) When you think of the words "spinal cord injury", what comes to your mind?

- 2) Think about the services that you have received since your injury. When we say services we mean things like medical care, rehabilitation, employment training, recreation activities, and transportation assistance. Since the injury, what services have you received that have been the most helpful to you?
 - a. How did you access or get those services?
 - b. Where do you go to find or how do you find the services/ help that you need?
 - c. Where did you receive your SCI post injury care/ rehab? In Florida/ at a BSCIP Designated Facility?
- 3) What services or supports do you still need, but are not getting?
 - a. Why are you not getting them?
 - b. Are they not available?
 - c. Can you not get there?
 - d. Do you not know how to get them?
- 4) What do you think is the biggest issue that you face today because of your injury? For example, getting a job, finding transportation, finding medical care.
- 5) What service or support would be the most helpful to you and your family?
- 6) I would like you to think specifically about the issues you have experienced regarding employment. What are the major issues you face when dealing with employment?
 - a. What has impacted your ability to work?
 - b. Have you utilized resources to help you find work or employment?
 - c. Why have you chosen to return to work or not to return to work?
- 7) Thinking about health-related issues or secondary complications as a result of your injury. What has been the greatest issue for you?
 - a. How do you deal with these issues when they arise?
 - b. Who do you see or what type of doctor do you contact when these issues arise?
 - c. Do you feel your providers are well equipped to handle your health-related issues?
- 8) If someone you know experienced a spinal cord injury or had a family member experience a spinal cord injury what would you tell them about how to get help or support?
- 9) What advice or suggestions can you give us to help meet your needs or make your life better?
- 10) Do you have any additional comments, questions, or concerns?

*Focus Group Demographics***Table 45: Focus Group Participant Demographics, 2009.**

Characteristics	Number	Percent
Total Participants	71	100.0
BSCIP Region		
BSCIP Region 1	11	15.5
BSCIP Region 2	20	28.2
BSCIP Region 3	10	14.1
BSCIP Region 4	21	29.6
BSCIP Region 5	9	12.7
Male	51	71.8
Female	20	28.2
Race		
White	47	66.2
Black	6	8.5
Other	18	25.3
Ethnicity		
Hispanic	18	25.4
Non-Hispanic	53	74.6
Level of Injury		
C1-C4	12	16.9
C5-C8	26	36.6
T1-T12	23	34.2
L1-S3	10	14.1
Age Group		
0-14 years	0	0.0
15-24 years	5	7.0
25-34 years	10	14.1
35-44 years	19	26.8
45-64 years	34	47.9
65 years +	3	4.2

Source: SCI Focus Group Demographic Questionnaire, 2009.

Spinal Cord Injury Leader Interviews Methodology and Protocols

Members of the FSCIRC Advisory Group compiled a list of key leaders and stakeholders in the SCI community for the staff of WellFlorida Council to interview. The list contained policy makers, organization and agency personnel, service providers, and consumer representatives. Additionally, FSCIRC Advisory Group also identified a list of potential interviewees based on five identified special populations including: pediatrics, caregivers, minorities, veterans, and women.

Council staff randomly drew names from the pools of potential contacts provided by the FSCIRC Advisory Group, ensuring that three interviews were conducted for each of the special populations identified above. Interviews were conducted by telephone due to time constraints and cost of travel. Twenty-five key leaders in the SCI community agreed to be interviewed; the interviews were conducted during October 2009 and January 2010. To assure the confidentiality of their comments, the names or any other identifying information of the interviewees has not been included in this report.

The following questionnaire was used for each of the interviews. Representatives of the special populations were asked to provide any special insights into the target population.

[Interview Guide](#)**[INTRODUCTION]:**

The WellFlorida Council, in partnership with the Florida Alliance for Assistive Services and Technology (FAAST) and the Florida Department of Health, Brain and Spinal Cord Injury Program, are conducting a comprehensive needs and resources assessment on behalf of persons with spinal cord injury. The goal of this project is to ultimately improve the services and system of services and supports in the state of Florida for persons with SCI through the development of a state wide plan for SCI in Florida.

As a part of this study, we are conducting a series of interviews with key individuals throughout the state of Florida who have knowledge of the needs of individuals with SCI and current services available to individuals with SCI. The FAAST Spinal Cord Injury Resource Center Advisory Group is serving as the oversight committee for this project. They have identified you as a key stakeholder in the spinal cord injury community and viewed your thoughts and opinions as extremely valuable to the needs assessment process.

This phone interview will take approximately 30 minutes.

Would you be willing to participate in a phone interview for this very important study?

Thank you very much for participating in this important study.

This interview will take approximately 30 minutes. The project advisory group wants to gain additional insights into some identified populations: women, pediatrics, veterans, caregivers, and minorities. If you are one of these, or work with these populations, please share your thought or perspectives on these populations as well as the SCI population as a whole

[QUESTIONS]:

- 1) Could you briefly describe your position and how you work, or your agency works, with individuals with SCI? [For consumers or caregivers: Could you briefly describe your injury, or the injury for which you are for caring?]
- 2) What services do you think are the most helpful for individuals with SCI immediately following their injuries?
- 3) What services do you think are the most helpful for individuals with SCI to help with the long-term consequences of their injuries?
- 4) How do the individuals with SCI with whom you work access/ get the services that they need? If you refer individuals with SCI for services, where do you refer them?
- 5) What are the most important services (e.g. medical care, rehabilitation, transportation) you think individuals with SCI still need, but are not receiving?
- 6) Why do you think individuals with SCI are not receiving the services they still need (e.g. services don't exist, can't afford, can't get to)?
- 7) I would like you to think specifically about the issues individuals with SCI face regarding employment. Please describe these major issues. What do you think are the primary issues survivors of SCI face when choosing to return to work or not? How can the workforce become more accessible to persons with SCI?
- 8) Thinking about health-related issues or secondary complications as a result of SCI. What are the greatest issues individuals with SCI face? Are healthcare providers equipped to handle these health-related issues? How can the state of Florida be better prepared to handle these issues?
- 9) What do you think is the biggest issue facing individuals with SCI and their families in Florida today? What could be done to help resolve that issue?
- 10) What service/ services could have the greatest impact/ be the most helpful for individuals with SCI?
- 11) What do you think is the greatest strength of the current system of care for individuals with SCI in Florida?
- 12) What do you think is the greatest weakness or gap in the current system of care for individuals with SCI in Florida?

Spinal Cord Injury Online Consumer and Caregiver Survey

To gain additional insights into the needs and issues impacting Florida survivors of SCI and their caregivers, an online needs assessment survey was conducted.

Survey Methodology and Protocols

The survey, based on the Virginia Spinal Cord Injury Needs Assessment, was available through WellFlorida Council's website during the months of October and November 2009.

Multiple strategies were used to recruit participants to complete the online survey. Strategies included email and regular mail announcing the availability of the survey to SCI support groups, peer mentors, BSCIP Regional Managers, and executive directors of the Centers for Independent in Living throughout the state. Additionally, emails were distributed through the FSCIRC listserv as well as an announcement placed on the FSCIRC Website. Information and marketing materials were developed by WellFlorida Council.

Participants were referred to WellFlorida Council's website to access the survey which was posted via SurveyMonkey. The survey was available in English and in Spanish. Eligible participants included any individuals who sustained a traumatic spinal cord injury and caregivers of individuals who sustained a traumatic spinal cord injury. Potential participants took part in a brief screening to determine eligibility.

Five gift card incentives of \$25.00 were raffled off to survey respondents after the closing of the online survey.

Survey Questionnaire

1. Please check the box that best describes you?

I am a survivor of a spinal cord injury

I am the caretaker of a survivor of a spinal cord injury (SKIP to QUESTION 35)

2. In what year did your spinal cord injury (SCI) occur?

____ Year

3. Did your SCI occur in Florida?

Yes

No

4. What is your HIGHEST level of SCI?

Between C1 and C4

Between C5 and C8

Between T1 and T12

Between L1 and S3

5. If your injury was between C1 and C4 do you require a ventilator to breathe?

Yes

No

6. **Do you have any feeling below your level of injury?**
Yes
No
7. **Do you have any movement that is UNDER YOUR CONTROL below your level of injury?**
Yes
No
8. **Prior to your SCI, were you working at a job for which you received pay?**
Yes
No
9. **Are you currently working at a job for which you receive pay? (If no, skip to question 15)**
Yes
No
10. **On average, how many HOURS PER WEEK do you work?**
____ Hours
11. **How much do you earn per year?**
Less than \$20,000
\$20,000 to \$29,999
\$30,000 to \$39,999
\$40,000 to \$59,999
\$60,000 or more
12. **How far do you have to travel to get to work?**
I work at home
Less than 1 mile
1 to 10 miles
11 to 20 miles
More than 20 miles
13. **Do you receive any of the following from your employer? (Please check all that apply)**
Health Benefits
Paid Vacation
Sick Leave
Other
14. **Do you currently do any volunteer work? (Please skip to question 17)**
Yes
No
15. **What is the MAIN REASON that you are not currently working? (Please check only one answer).**
Lack of transportation
Lack of job opportunities/ can't find a job
Health-related issues
Retired

In school
Unable to meet personal care needs at work
Not interested in working at this time
Fear of losing benefits
Unable to return to pre-SCI job
Other

16. Do you currently do any volunteer work?

Yes
No

17. In general, would you say that your health is:

Poor
Fair
Good
Very Good
Excellent

18. Do you currently have health insurance? (if no, please skip to question 20)

Yes
No

19. What kind of health insurance do you have? (Please check all that apply)

Employer health plan
Individual health insurance policy
Medicare
Medicaid
Veterans Administration
Don't know/ Not Sure
Other

20. Do you currently have dental insurance?

Yes
No
Don't know/ Not sure

21. Has there been a time in the last 12 months when you needed medical care but were not able to get it? (If no, please skip to question 23)

Yes
No

22. What was the primary reason that you did not receive the medical care you needed?

Transportation
Unable to afford care
Unable to locate health care provider
Unable to get an appointment in a timely fashion
Other (please specify)

23. Since your SCI, have you had a bad experience when receiving or attempting to receive health care?

Yes

No

24. Was your bad experience related to any of the following? (Please check all that apply)

Uncomfortable with the way I was treated due to my race.

Uncomfortable with the way I was treated due to my disability.

Uncomfortable with the way I was treated due to my gender.

Health care provider did not understand my needs as an individual with SCI.

My opinion was not respected by the health care provider.

Other (please specify)

25. What kind of doctor do you see for the MAJORITY of your medical issues? (Please check only one)

Rehab Medicine Doctor/ Physiatrist

Internal Medicine Doctor

Family Practice Doctor

Emergency Room Doctor

Physician's Assistant

Nurse Practitioner

Doctor at a general clinic

Don't know/ Not sure

Other (please specify)

26. In general, how satisfied are you with the medical care you receive?

Very Dissatisfied

Dissatisfied

Neutral

Satisfied

Very Satisfied

Why?

27. Have you experienced any of the following problems within the past 12months? (Yes or No)

Pressure sores/ skin breakdown

Urinary tract infections

Frequent urinary accidents

Blood clots

Persistent, chronic pain

Fractures/ broken bones

Respiratory infections

Constipation

Frequent bowel accidents

Uncontrolled spasticity/ muscle spasms

Uncontrolled edema/ swelling

Substance abuse issues (alcohol, drugs, etc.)

Depression or anxiety

Blood pressure issues

Other

28. Do you currently smoke cigarettes?

- Yes, less than one pack a day
- Yes, one pack a day
- Yes, more than one pack a day
- No, I do not smoke cigarettes

29. Do you consider yourself overweight?

- Yes
- No

30. For each of the following activities, please indicate the level of assistance needed, if any. If you have no need to perform the activity, please check the box "I have no need to do this." (I do this without help; I do this with help from another person; I would like to do this, but I am not able to do; I have no need to do this).

- Positioning in bed
- Getting in/out of bed
- Getting around in wheelchair
- Pressure relief in wheelchair
- Managing bladder activities
- Managing bowel activities
- Getting dressed/undressed
- Bathing/showering
- Brushing teeth, combing hair
- Managing medications
- Preparing meals
- Eating
- Housekeeping
- Banking/paying bills
- Getting in and out of car/van
- Getting to/from work
- Getting to/from social activities
- Getting to/ from appointments
- Using the telephone

31. For the activities that you indicated needing help with, who provides you with the MOST help?

- Spouse/significant other/partner
- Relative
- Friend
- Personal Assistance Services (PAS)
- Other (please specify)

32. Thinking about the person you identified as helping you the most, how would you rate the quality of assistance he/she provides?

- Poor
- Fair
- Good
- Very Good
- Excellent

33. For each of the following, tell us if you would like to receive the service, if you receive the service but are NOT satisfied with it, or if you receive the service and ARE satisfied with it. If you are not interested in the service, please check "not interested in this."

Counseling/ Support Groups

Mental health counseling
Substance abuse counseling
Family support/ family counseling
Support to address domestic violence issues
Spinal cord injury support group
Peer support in one on-one format

Cancer Screenings

Pap Smear (Women)
Mammogram (Women)
Prostate Cancer Screening (Men)

Reproductive Health

Information about having children
Information about sexual functioning

Dental and Vision Care

Preventive dental care (cleaning, x-rays)
Restorative dental care (fillings, crowns)
Vision exams
Eyeglasses/ contact lenses

Equipment and Supplies

Wheelchair maintenance
New, updated equipment
Medical supplies

Education, Employment, and Finances

GED Program
English as a second language program
Enrollment in a two- or four-year college
Assistance with developing a new job skill
Assistance with workplace modification/ making the workplace more accessible
Assistance with keeping a job
Budgeting and money management
Retirement planning

Other

Obtaining assistive technology
Using assistive technology
Childcare
Fitness center/ gym
Help finding accessible, affordable housing
Transportation

Program to quit smoking
Program to lose weight
Social activities

34. For services that you would like to receive above, what is the primary reason that you currently do not receive these service(s)? (Please skip to question 44)

Cannot afford the service/insurance will not cover the service
Not comfortable seeking the service
Not available in my area
Other (please specify)

35. What best describes your relationship to the individual with the spinal cord injury (SCI)?

Spouse/partner
Child (18 years of age or younger)
Child (18 years of age or older)
Sister/brother
Mother/father
Friend
Non-related caregiver
Other (please specify)

36. What type of assistance do you provide for the individual with SCI? (Please check all that apply)

Emotional support
Love/ friendship
Assistance with insurance companies
Assistance with personal care
Assistance with transportation
Financial assistance
Assistance with negotiating the health care system
Advocacy
Assistance with lawyers
Other (please specify)

37. How many hours a week do you spend providing personal care assistance?

1 to 10
11 to 20
21 to 30
31 to 40
Over 40 hours a week

38. Is your employment limited because of the time you spend providing personal care assistance?

Yes
No

39. Who or what have been YOUR primary sources of EMOTIONAL support?

Family members
Health care providers
Church

Friends
 Other community organizations
 Other individuals or families with SCI
 Other (please specify)

40. Who or what have been YOUR primary sources of PHYSICAL support? (Please check all that apply)

Family members
 Health care providers
 Church
 Friends
 Other community organizations
 Other individuals or families with SCI
 Other (please specify)

41. We are interested in the services that YOUR PERSONALLY receive and/or need. For each of the following, tell us if you would like to receive the service, if you receive the service but are NOT satisfied with it, or if you receive the service and ARE satisfied with it. If you are not interested in the service, please check "not interested in this."

Counseling/ Support Groups

Mental health counseling
 Substance abuse counseling
 Family support/ family counseling
 Support to address domestic violence issues
 Support Group for families/caregivers
 Peer support in one on-one format

Other

Childcare outside the home
 Childcare inside the home
 Social activities
 Financial assistance

Care for the Individual with the SCI

Someone to help with bathing and dressing
 Someone to help with eating/ meal prep
 Someone to help with transfers in/out of bed
 Someone to help with bowel/ bladder program
 Someone to help with giving medications

42. For services that you would like to receive above, what is the primary reason that you currently do not receive these service(s)?

Cannot afford the service/insurance will not cover the service
 Not comfortable seeking the service
 Not available in my area
 Other (please specify)

43. We are interested in the services that the INDIVIDUAL WITH SCI receives/or needs. For each of the following, tell us if you would like to receive the service, if you receive the service but are NOT satisfied with it, or if you receive the service and ARE satisfied with it. If you are not interested in the service, please check "not interested in this."

Counseling/ Support Groups

Mental health counseling
Substance abuse counseling
Family support/ family counseling
Support to address domestic violence issues
Spinal cord injury support group
Peer support in one on-one format

Cancer Screenings

Pap Smear (Women)
Mammogram (Women)
Prostate Cancer Screening (Men)

Reproductive Health

Information about having children
Information about sexual functioning

Dental and Vision Care

Preventive dental care (cleaning, x-rays)
Restorative dental care (fillings, crowns)
Vision exams
Eyeglasses/ contact lenses

Equipment and Supplies

Wheelchair maintenance
New, updated equipment
Medical supplies

Education, Employment, and Finances

GED Program
English as a second language program
Enrollment in a two- or four-year college
Assistance with developing a new job skill
Assistance with workplace modification/ making the workplace more accessible
Assistance with keeping a job
Budgeting and money management
Retirement planning

Other

Obtaining assistive technology
Using assistive technology
Childcare
Fitness center/ gym

Help finding accessible, affordable housing
Transportation
Program to quit smoking
Program to lose weight
Social activities

44. For services that you would like to receive above, what is the primary reason that you currently do not receive these service(s)?

Cannot afford the service/insurance will not cover the service
Not comfortable seeking the service
Not available in my area
Other (please specify)

45. Please tell us about any additional services that you would like to receive.

46. What year were you born?

____ Year

47. What county do you currently live in?

48. Gender

Male
Female

49. Who do you currently live with? (Please check all that apply)

Spouse/partner/ significant other
Parents
Children
Non-relative (friend, roommate, etc)
Live alone
Other (please specify)

50. Do you have children under the age of 18 living with you?

Yes
No

51. What is your highest level of education?

Less than high school
Some high school
High school/ GED
Some college
Associates degree
Bachelor's degree
Graduate study or degree

52. What is your race? (Please check all that apply)

White

Black/ African American

Asian

Native Hawaiian or other Pacific Islander

American Indian or Alaskan Native

Other (please specify)

53. Are you Hispanic/ Latino?

Yes

No

Don't know/ Not sure

Survey Data Tables

One hundred and nineteen individuals, 98 SCI survivors and 21 caregivers, participated in the online survey. The data tables below reflect the findings from each of the populations.

Participant Demographics**Table 46: County of Residence, by Survivor and Caregivers, 2009.**

Area	Survivor		Caregivers		Area	Survivor		Caregivers	
	Number	Percent	Number	Percent		Number	Percent	Number	Percent
Alachua	2	2.0	0	0.0	Leon	2	2.0	0	0.0
Baker	0	0.0	0	0.0	Levy	1	1.0	0	0.0
Bay	0	0.0	0	0.0	Liberty	0	0.0	0	0.0
Bradford	0	0.0	0	0.0	Madison	0	0.0	0	0.0
Brevard	2	2.0	0	0.0	Manatee	1	1.0	0	0.0
Broward	10	10.2	2	9.5	Marion	2	2.0	0	0.0
Calhoun	0	0.0	0	0.0	Martin	0	0.0	0	0.0
Charlotte	1	1.0	0	0.0	Miami-Dade	5	5.1	1	4.8
Citrus	1	1.0	0	0.0	Monroe	0	0.0	0	0.0
Clay	1	1.0	0	0.0	Nassau	0	0.0	0	0.0
Collier	0	0.0	0	0.0	Okaloosa	1	1.0	0	4.8
Columbia	1	1.0	1	4.8	Okeechobee	0	0.0	0	0.0
DeSoto	0	0.0	0	0.0	Orange	7	7.1	0	0.0
Dixie	0	0.0	0	0.0	Osceola	0	0.0	0	0.0
Duval	9	9.2	2	9.5	Palm Beach	5	5.1	0	0.0
Escambia	1	1.0	2	9.5	Pasco	1	1.0	1	4.8
Flagler	0	0.0	0	0.0	Pinellas	6	6.1	0	0.0
Franklin	0	0.0	0	0.0	Polk	3	3.1	0	0.0
Gadsden	0	0.0	0	0.0	Putnam	0	0.0	0	0.0
Gilchrist	0	0.0	0	0.0	Santa Rosa	1	1.0	0	0.0
Glades	0	0.0	0	0.0	Sarasota	1	1.0	1	4.8
Gulf	0	0.0	0	0.0	Seminole	3	3.1	0	0.0
Hamilton	0	0.0	0	0.0	St. Johns	0	0.0	0	0.0
Hardee	0	0.0	0	0.0	St. Lucie	1	1.0	0	0.0
Hendry	0	0.0	0	0.0	Sumter	0	0.0	0	0.0
Hernando	2	2.0	0	0.0	Suwannee	0	0.0	0	0.0
Highlands	0	0.0	0	0.0	Taylor	0	0.0	0	0.0
Hillsborough	11	11.2	1	4.8	Union	0	0.0	0	0.0
Holmes	0	0.0	0	0.0	Volusia	0	0.0	0	0.0
Indian River	0	0.0	1	4.8	Wakulla	0	0.0	0	0.0
Jackson	0	0.0	0	0.0	Walton	0	0.0	0	0.0
Jefferson	0	0.0	0	0.0	Washington	0	0.0	0	0.0
Lafayette	0	0.0	0	0.0	Unknown	14	14.3	8	38.1
Lake	0	0.0	0	0.0	Florida	98	100.0	21	100.0
Lee	3	3.1	1	4.8					

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 47: Gender, by Survivor and Caregivers, 2009.

Gender	Survivors		Caregivers	
	Number	Percent	Number	Percent
Male	53	64.6	4	30.8
Female	29	35.4	9	69.2

Note: 16 survivors and 8 caregivers did not provide gender information

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 48: Race, by Survivor and Caregivers, 2009.

Race	Survivors		Caregivers	
	Number	Percent	Number	Percent
White	70	71.4	13	61.9
Black	10	10.2	0	0.0
Other	5	5.0	0	0.0

Note: Respondents could identify multiple races; 16 survivors and 8 caregivers did not provide any race.

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 49: Ethnicity, by Survivor and Caregivers, 2009.

Ethnicity	Survivors		Caregivers	
	Number	Percent	Number	Percent
Hispanic/Latino	8	9.8	1	8.3
Non-Hispanic/Latino	74	90.2	11	91.7

Note: 16 survivors and 9 caregivers did not provide ethnicity information

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 50: Age Group, by Survivor and Caregivers, 2009.

Age Group	Survivors		Caregivers	
	Number	Percent	Number	Percent
0-14 years	0	0.0	0	0.0
15-24 years	6	7.1	0	0.0
25-34 years	15	17.9	1	7.7
34-44 years	29	34.5	6	46.2
45-64 years	32	38.1	3	23.1
65 years +	2	2.4	3	23.1

Note: 14 survivors and 8 caregivers did not provide age information

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 51: Educational Attainment, by Survivor and Caregivers, 2009.

Educational Attainment	Survivors		Caregivers	
	Number	Percent	Number	Percent
Less than high school	2	2.4	1	7.7
High school/ GED	10	12.2	4	30.8
Some college	20	24.4	1	7.7
Associates degree	11	13.4	2	15.4
Bachelors degree	22	26.8	5	38.5
Graduate study or degree	17	20.7	0	0.0

Note: 16 survivors and 8 caregivers did not provide educational attainment information

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

*SCI Survivor Injury Information***Table 52: SCI Survivor Injury Characteristics, 2009.**

Characteristics	Number	Percent
Total Participants (98)	98	100.0
Years Post Injury (93)		
Less than 1 year	5	5.4
2-5 years	28	30.1
6-10 years	15	16.1
11-20 years	17	18.3
More than 20 years	28	30.1
SCI Occur in Florida (95)		
Yes	58	61.1
No	37	38.9
Level of Injury (95)		
C1-C4	16	16.8
C5-C8	44	46.3
T1-T12	29	30.5
L1-S3	6	6.3
Feeling Below Level of Injury (96)		
Yes	0	0.0
No	5	7.0
Movement Under Your Control Below Level of Injury (96)		
Yes	51	53.1
No	45	46.9

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

*SCI Survivor Employment Summary***Table 53: SCI Survivor Employment Characteristics, 2009.**

Characteristics	Number	Percent
Total Participants (98)	98	100.0
Working at Job for Pay Prior to Injury (96)		
Yes	76	79.2
No	20	20.8
Currently Employed for Pay (96)		
Yes	42	43.8
No	54	56.2
Hours Per Week Currently Work (41)		
Less than 20 hours	8	19.4
20-39 hours per week	13	31.5
40 or more hours per week	20	48.8
Average Yearly Income (40)		
Less than \$20,000	18	45.0
\$20,000- 29,999	4	10.0
\$30,000-39,999	4	10.0
\$40,000-59,999	7	17.5
More than \$60,000	7	17.5
Distance to Travel to Work (42)		
Work from home	11	26.2
Less than 1 mile	1	2.4
1-10 miles	12	28.6
11-20 miles	9	21.4
More than 20 miles	9	21.4
Employment Benefits		
Health Benefits	23	54.8
Paid Vacation	20	47.6
Sick Leave	19	45.2
Main Reason Not Currently Working (53)		
Lack of transportation	1	1.9
Lack of opportunities/ Can't find job	6	11.3
Health-related issues	12	22.6
Retired	3	5.7
In school	9	17.0
Unable to meet personal care needs at work	5	9.4
Not interested in working at this time	2	3.8
Fear of losing benefits	2	3.8
Unable to return to pre-SCI job	8	15.1
Other	5	9.4
Currently Volunteering (96)		
Yes	47	49.0
No	49	51.0

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

*SCI Survivor Health Summary***Table 54: SCI Survivor Health Characteristics, 2009.**

Characteristics	Number	Percent
Total Participants (98)	98	100.0
Current Health Status (95)		
Poor	1	1.1
Fair	13	13.7
Good	47	49.5
Very Good	25	26.3
Excellent	9	9.5
Currently Have Health Insurance (95)		
Yes	83	87.4
No	12	12.6
Type of Health Insurance (98)*		
Employer Health Plan	36	36.7
Individual Health Insurance Policy	4	4.1
Medicare	45	45.9
Medicaid	11	11.2
Veterans Administration	3	3.1
Currently Have Dental Insurance (95)		
Yes	41	43.2
No	50	52.6
Don't Know/Unsure	4	4.2
Type of Doctor Seen for Majority of Medical Care Issues (93)		
Rehabilitation Medicine	27	29.0
Internal Medicine	18	19.4
Family Practice	36	38.7
Nurse Practitioner	3	3.2
Doctor at General Clinic	2	2.2
Other	6	6.5
Don't Know/ Not Sure	1	1.1

*Could have multiple sources of health insurance

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 55: SCI Survivor Medical Care Needs Over the Past 12 Months, 2009.

Has there been a time in the past 12 months when you have needed medical care but were not able to get it? (95)	Number	Percent
Yes	9	9.5
No	86	90.5
Reason for Not Getting Care (9)		
Unable to afford care	5	55.6
Unable to locate a health provider	1	11.1
Unable to get an appointment in a timely fashion	1	11.1
Other	2	22.2

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 56: SCI Survivor Experience Accessing Health Care, 2009.

Since your SCI, have you had a bad experience when receiving or attempting to receive health care? (94)	Number	Percent
Yes	50	53.2
No	44	46.8
Reason for Bad Experience (50)		
Race	1	2.0
Disability	11	22.0
Gender	1	2.0
Not Understanding SCI Needs	37	74.0
Opinion not Respected	9	18.0

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 57: SCI Survivor Satisfaction with Medical Care, 2009.

Opinion (94)	Number	Percent
Very Dissatisfied	2	2.1
Dissatisfied	7	7.4
Neutral	13	13.8
Satisfied	55	58.5
Very Satisfied	17	18.1

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 58: Percentage of SCI Survivors That Have Experienced Health Problem in Past 12 Months, 2009.

Health Problem	Number	Percent
Pressure Sores/ Skin Breakdowns	23	23.5
Urinary Tract Infections	61	62.2
Frequent Urinary Accidents	18	18.4
Blood Clots	2	2.0
Chronic Pain	40	40.8
Fractures	2	2.0
Respiratory Infections	3	3.1
Constipation	30	30.6
Frequent Bowel Accidents	12	12.2
Uncontrolled Spasticity/ Muscle Spasms	44	44.9
Uncontrolled Edema/ Swelling	20	20.4
Substance Abuse Issues	1	1.0
Depression/ Anxiety	26	26.5
Blood Pressure Issues	20	20.4

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

*SCI Survivor Level of Assistance Needed Summary***Table 59: Level of Assistance Required to Perform Activities of Daily Living, 2009.**

Activity	Number	Without Help		With Assistance		Not Able to Do		No Need to Do	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Positioning in bed	92	58	63.0	23	25.0	10	10.9	1	1.1
Getting in/out of bed	92	51	55.4	31	33.7	9	9.8	1	1.1
Getting around in a wheelchair	89	75	84.3	6	6.7	1	1.1	7	7.9
Pressure Relief in a wheelchair	91	73	80.2	4	4.4	2	2.2	12	12.2
Managing bladder Activities	91	56	61.5	21	23.1	11	12.1	3	3.3
Managing bowel activities	90	40	44.4	32	35.6	16	17.8	2	2.2
Getting dressed/undressed	92	46	50.0	33	35.9	11	12.0	2	2.2
Bathing/showering	92	43	46.7	37	40.2	10	10.9	2	2.2
Brushing teeth/ combing hair	92	77	83.7	11	12.0	2	2.2	2	2.2
Managing medications	90	66	73.3	16	17.8	4	4.4	4	4.4
Preparing meals	91	35	38.5	38	41.8	14	15.4	4	4.4
Eating	92	79	85.9	8	8.7	3	3.3	2	2.2
Housekeeping	92	24	26.1	37	40.2	26	28.3	5	5.4
Banking/paying bills	92	71	77.2	15	16.3	4	4.3	2	2.2
Getting in/out of car/van	92	59	64.1	28	30.4	3	3.3	2	2.2
Getting to/from work	91	45	49.5	9	9.9	10	11.0	27	29.7
Getting to/from social activities	92	53	57.6	30	32.6	4	4.3	5	5.1
Getting to/from appointments	92	54	58.7	33	35.9	3	3.3	2	2.2
Using the telephone	92	85	92.4	5	5.4	0	0.0	2	2.2

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 60: Most Common Source of Assistance Support Identified by Respondents, 2009.

Source of Assistance (79)	Number	Percent
Spouse/ Significant Other/ Partner	38	48.1
Relative	21	26.6
Friend	2	2.5
Personal Assistance Services	12	15.2
Other	6	7.6

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 60: Quality of Assistance Provided, 2009.

Quality of Assistance (78)	Number	Percent
Fair	3	3.8
Good	6	7.7
Very Good	19	24.4
Excellent	50	64.1

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

*SCI Survivor Service Needs***Table 61: SCI Survivor Counseling and Support Group Service and Support Needs, 2009.**

Service or Support	Number	Would Like to Receive		Received, But Not Satisfied		Received and Satisfied		Not Interested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Mental Health Counseling	84	11	13.1	2	2.4	10	11.9	61	72.6
Substance Abuse Counseling	84	1	1.2	0	0.0	3	3.6	80	95.2
Family Support/ Counseling	84	10	11.9	1	1.2	8	9.5	65	77.4
Domestic Violence Support	84	0	0.0	0	0.0	2	2.4	82	97.6
SCI Support Group	87	28	32.2	2	2.3	29	33.3	28	32.2
Peer Support (1 on 1 format)	84	14	16.7	1	1.2	19	22.6	50	59.5

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 62: Reasons Identified for Not Receiving Counseling and Support Group Services and Support Needs, 2009.

Reason (44)	Number	Percent
Cannot afford services/ Insurance does not cover service	4	9.1
Not comfortable seeking services	3	6.8
Services not available locally	15	34.1
Other	22	50.0

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 63: SCI Survivor Cancer Screening Service and Support Needs, 2009.

Service or Support	Number	Would Like to Receive		Received, But Not Satisfied		Received and Satisfied		Not Interested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Pap Smear	58	7	12.1	1	1.7	19	32.8	31	53.4
Mammogram	57	6	10.5	2	3.5	15	26.3	34	59.6
Prostate Screening	63	12	19.0	0	0.0	17	27.0	34	54.0

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 64: Reasons Identified for Not Receiving Cancer Screening Services and Support Needs, 2009.

Reason (31)	Number	Percent
Cannot afford services/ Insurance does not cover service	3	9.7
Not comfortable seeking services	11	35.5
Services not available locally	0	0.0
Other	17	54.8

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 65: SCI Survivor Reproductive Health Service and Support Needs, 2009.

Service or Support	Number	Would Like to Receive		Received, But Not Satisfied		Received and Satisfied		Not Interested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Information on having children	79	14	17.7	2	2.5	11	13.9	52	65.8
Information on sexual functioning	80	23	28.8	3	3.8	19	23.8	35	43.8

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 66: Reasons Identified for Not Receiving Reproductive Health Services and Support Needs, 2009.

Reason (39)	Number	Percent
Cannot afford services/ Insurance does not cover service	5	12.8
Not comfortable seeking services	10	25.6
Services not available locally	5	12.8
Other	19	48.7

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 67: SCI Survivor Dental and Vision Care Service and Support Needs, 2009.

Service or Support	Number	Would Like to Receive		Received, But Not Satisfied		Received and Satisfied		Not Interested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Preventative Dental Care	82	28	34.1	2	2.4	45	54.9	7	8.5
Restorative Dental Care	79	27	34.2	2	2.5	36	45.6	14	17.7
Vision Exams	82	28	34.1	2	2.4	41	50.0	11	13.4
Eyeglasses or Contact Lens	79	18	22.8	3	3.8	35	44.3	23	29.1

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 68: Reasons Identified for Not Receiving Dental and Vision Care Services and Support Needs, 2009.

Reason (40)	Number	Percent
Cannot afford services/ Insurance does not cover service	24	60.0
Not comfortable seeking services	1	2.5
Services not available locally	0	0.0
Other	15	37.5

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 69: SCI Survivor Equipment and Supplies Service and Support Needs, 2009.

Services or Supports	Number	Would Like to Receive		Received, But Not Satisfied		Received and Satisfied		Not Interested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Wheelchair Maintenance	80	22	27.5	10	12.5	40	50.0	8	10.0
New, Update Equipment	82	32	39.0	4	4.9	36	43.9	10	12.2
Medical Supplies	79	18	22.8	5	6.3	49	62.0	7	8.9

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 70: Reasons Identified for Not Receiving Equipment and Supply Services and Support Needs, 2009.

Reason (43)	Number	Percent
Cannot afford services/ Insurance does not cover service	29	67.4
Not comfortable seeking services	1	2.3
Services not available locally	2	4.7
Other	11	25.6

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 71: SCI Survivor Education, Employment and Finances Service and Support Needs, 2009.

Service or Support	Number	Would Like to Receive		Received, But Not Satisfied		Received and Satisfied		Not Interested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
GED Program	79	2	2.5	0	0.0	4	5.1	73	92.4
English as a Second Language	80	3	3.8	0	0.0	2	2.5	75	93.8
Enrollment in College	80	9	11.2	1	1.2	19	23.8	51	63.8
Developing New Job Skills	79	23	29.1	0	0.0	8	10.1	48	60.8
Workplace Modifications	76	18	23.7	0	0.0	6	7.9	52	68.4
Assistance Keeping a Job	76	18	23.7	1	1.3	5	6.6	52	68.4
Budgeting	77	14	18.0	0	0.0	7	9.1	56	72.7
Retirement Planning	79	25	31.6	0	0.0	9	11.4	45	57.0

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 72: Reasons Identified for Not Receiving Education, Employment, and Finances Services and Support Needs, 2009.

Reason (39)	Number	Percent
Cannot afford services/ Insurance does not cover service	8	20.5
Not comfortable seeking services	4	10.3
Services not available locally	5	12.8
Other	22	56.4

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 73: SCI Survivor Other Service and Support Needs, 2009.

Service or Support	Number	Would Like to Receive		Received, But Not Satisfied		Received and Satisfied		Not Interested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Obtaining Assistive Tech.	81	28	34.6	2	2.5	11	13.6	40	49.4
Using Assistive Tech.	81	27	33.3	2	2.5	9	11.1	43	53.1
Childcare	78	5	6.4	1	1.3	3	3.8	69	88.5
Fitness Center/ Gym	80	35	43.8	4	5.0	16	20.0	25	31.2
Finding Housing	79	14	17.7	3	3.8	6	7.6	56	70.9
Transportation	81	17	21.0	2	2.5	14	17.3	48	59.3
Programs to Quit Smoking	77	2	2.6	0	0.0	0	0.0	75	97.4
Programs to Lose Weight	81	18	22.2	2	2.5	4	4.9	57	70.4
Social Activities	79	19	24.4	0	0.0	16	20.3	44	55.7

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 74: Reasons Identified for Not Receiving Other Services and Support Needs, 2009.

Reason (56)	Number	Percent
Cannot afford services/ Insurance does not cover service	20	35.7
Not comfortable seeking services	7	12.5
Services not available locally	14	25.0
Other	15	26.8

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

*SCI Caregiver Description***Table 75: Caregiver Description, 2009.**

Characteristics	Number	Percent
Total Caregivers (21)	21	100.0
Relationship to Individual with SCI (21)		
Spouse/ Partner	8	38.1
Child (18 years of age or older)	2	9.5
Child (under age of 18)	0	0.0
Sister/Brother	1	4.8
Mother/Father	8	38.1
Friend	1	4.8
Other	1	4.8
Type of Assistance Provided (21)		
Emotional Support	21	100.0
Love/Friendship	20	95.2
Assistance with Insurance Companies	15	71.4
Personal Care	19	90.5
Transportation	19	90.5
Financial Assistance	12	57.1
Negotiating the Healthcare System	14	66.7
Advocacy	16	76.2
Assistance with Lawyers	7	33.3
Hours Per Week Providing Care (21)		
1-10 hours	3	14.3
11-20 hours	1	4.8
21-30 hours	5	23.8
31-40 hours	1	4.8
More than 40 hours	11	52.4
Personal Employment Limited Due to Caretaking (20)		
Yes	11	55.0
No	9	45.0

()= number of respondents

Source: SCI Consumer and Caregiver Online Survey, 2009.

Table 76: Percentage of Caregivers who Reported Primary Source of Physical and Emotional Support, 2009.

Support Sources	Emotional	Physical
Family Members	66.7	57.1
Healthcare Providers	23.8	38.1
Church	33.3	9.5
Friends	66.7	23.8
Other Community Organizations	14.7	19.0
Other Individuals or Families with SCI	19.0	4.8

Source: SCI Consumer Caregiver Online Survey, 2009.

*SCI Caregivers Service or Support Needs***Table 77: SCI Caregiver Counseling and Support Group Service and Support Needs, 2009.**

Service or Support	Number	Would Like to Receive		Received, But Not Satisfied		Received and Satisfied		Not Interested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Mental Health Counseling	19	6	31.6	1	5.3	4	21.1	8	42.1
Substance Abuse Counseling	19	2	10.5	0	0.0	2	10.5	15	78.9
Family Support/ Counseling	18	9	50.0	0	0.0	2	11.1	7	38.9
Domestic Violence Support	17	0	0.0	0	0.0	2	11.8	15	88.2
Caregiver Support Group	19	12	63.2	1	5.3	2	10.5	4	21.1
Peer Support (1 on 1 format)	18	10	55.6	0	0.0	2	11.1	6	33.3

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 78: Reasons Identified for Not Receiving Counseling and Support Group Services and Support Needs, 2009.

Reason (14)	Number	Percent
Cannot afford services/ Insurance does not cover service	6	42.9
Not comfortable seeking services	3	21.4
Services not available locally	2	14.3
Other	3	21.4

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 79: SCI Caregiver Other Service and Support Needs, 2009.

Service or Support	Number	Would Like to Receive		Received, But Not Satisfied		Received and Satisfied		Not Interested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Childcare Outside the Home	17	0	0.0	1	5.9	0	0.0	16	94.1
Childcare Inside the Home	18	2	11.1	1	5.6	1	5.6	14	77.8
Social Activities	17	9	52.9	4	23.5	0	0.0	4	23.5
Financial Assistance	17	12	70.6	1	5.9	2	11.8	2	11.8

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 80: Reasons Identified for Not Receiving Other Services and Support Needs, 2009.

Reason (13)	Number	Percent
Cannot afford services/ Insurance does not cover service	6	46.2
Not comfortable seeking services	1	7.7
Services not available locally	2	15.4
Other	4	30.8

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 81: SCI Caregiver Individual with SCI Service and Support Needs, 2009.

Service or Support	Number	Would Like to Receive		Received, But Not Satisfied		Received and Satisfied		Not Interested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Dressing/ Bathing	17	7	41.2	2	11.8	3	17.6	5	29.4
Eating/ Meal Prep	16	7	43.8	3	18.8	2	12.5	4	25.0
Transfers In/Out Bed	16	8	50.0	2	12.5	2	12.5	4	25.0
Bowel/ Bladder Program	17	8	47.1	2	11.8	3	17.6	4	23.5
Giving Medications	16	1	6.2	1	6.2	2	12.5	12	75.0

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 82: Reasons Identified for Not Receiving Care for Individual with SCI Services and Support Needs, 2009.

Reason (17)	Number	Percent
Cannot afford services/ Insurance does not cover service	9	52.9
Not comfortable seeking services	1	5.9
Services not available locally	1	5.9
Other	6	35.3

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

*SCI Caregivers Perceived Service or Support Needs of SCI Survivor***Table 83: SCI Caregiver Perceived SCI Survivor Counseling and Support Group Service and Support Needs, 2009.**

Service or Support	Number	Would Like to Receive		Received, But Not Satisfied		Received and Satisfied		Not Interested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Mental Health Counseling	15	7	46.7	0	0.0	3	20.0	5	33.3
Substance Abuse Counseling	15	3	20.0	0	0.0	1	6.7	11	73.3
Family Support/ Counseling	15	7	46.7	0	0.0	1	6.7	7	46.7
Domestic Violence Support	14	1	7.1	0	0.0	1	7.1	12	85.7
SCI Support Group	15	10	66.7	2	13.3	3	20.0	0	0.0
Peer Support (1 on 1 format)	15	10	66.7	0	0.0	3	20.0	2	13.3

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 84: Reasons Identified for Not Receiving Counseling and Support Group Services and Support Needs, 2009.

Reason (12)	Number	Percent
Cannot afford services/ Insurance does not cover service	4	33.3
Not comfortable seeking services	3	25.0
Services not available locally	0	0.0
Other	5	41.7

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 85: SCI Caregiver Perceived SCI Survivor Cancer Screening Service and Support Needs, 2009.

Service or Support	Number	Would Like to Receive		Received, But Not Satisfied		Received and Satisfied		Not Interested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Pap Smear	11	2	20.0	0	0.0	2	20.0	6	60.0
Mammogram	10	3	30.0	0	0.0	1	10.0	6	60.0
Prostate Screening	14	3	21.4	0	0.0	3	21.4	8	57.1

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 86: Reasons Identified for Not Receiving Cancer Screening Services and Support Needs, 2009.

Reason (8)	Number	Percent
Cannot afford services/ Insurance does not cover service	3	37.5
Not comfortable seeking services	1	12.5
Services not available locally	0	0.0
Other	4	50.0

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 87: SCI Caregiver Perceived SCI Survivor Reproductive Health Service and Support Needs, 2009.

Service or Support	Number	Would Like to Receive		Received, But Not Satisfied		Received and Satisfied		Not Interested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Info. on having children	14	4	28.6	0	0.0	0	0.0	10	71.4
Info. on sexual functioning	15	6	40.0	0	0.0	2	13.3	7	46.7

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 88: Reasons Identified for Not Receiving Reproductive Health Services and Support Needs, 2009.

Reason (10)	Number	Percent
Cannot afford services/ Insurance does not cover service	3	30.0
Not comfortable seeking services	4	40.0
Services not available locally	0	0.0
Other	3	30.0

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 89: SCI Caregiver Perceived SCI Survivor Dental and Vision Care Service and Support Needs, 2009.

Service or Support	Number	Would Like to Receive		Received, But Not Satisfied		Received and Satisfied		Not Interested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Preventative Dental Care	14	7	50.0	0	0.0	5	35.7	2	14.3
Restorative Dental Care	13	7	53.8	0	0.0	4	30.8	2	15.4
Vision Exams	13	5	38.5	0	0.0	4	30.8	4	30.8
Eyeglasses or Contact Lens	13	4	30.8	0	0.0	4	30.8	5	38.5

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 90: Reasons Identified for Not Receiving Dental and Vision Care Services and Support Needs, 2009.

Reason (8)	Number	Percent
Cannot afford services/ Insurance does not cover service	7	87.5
Not comfortable seeking services	0	0.0
Services not available locally	0	0.0
Other	1	12.5

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 91: SCI Caregiver Perceived SCI Survivor Equipment and Supplies Service and Support Needs, 2009.

Services or Supports	Number	Would Like to Receive		Received, But Not Satisfied		Received and Satisfied		Not Interested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Wheelchair Maintenance	14	7	50.0	1	7.1	3	21.4	3	21.4
New, Update Equipment	14	9	64.3	1	7.1	3	21.4	1	7.1
Medical Supplies	14	5	35.7	3	21.4	4	28.6	2	14.3

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 92: Reasons Identified for Not Receiving Equipment and Supply Services and Support Needs, 2009.

Reason (10)	Number	Percent
Cannot afford services/ Insurance does not cover service	8	80.0
Not comfortable seeking services	0	0.0
Services not available locally	0	0.0
Other	2	20.0

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 93: SCI Caregiver Perceived SCI Survivor Education, Employment and Finances Service and Support Needs, 2009.

Service or Support	Number	Would Like to Receive		Received, But Not Satisfied		Received and Satisfied		Not Interested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
GED Program	12	0	0.0	0	0.0	0	0.0	12	100.0
English as a Second Language	10	0	0.0	0	0.0	0	0.0	10	100.0
Enrollment in College	14	4	28.6	0	0.0	3	21.4	7	50.0
Developing New Job Skills	14	8	57.1	1	7.1	0	0.0	5	35.7
Workplace Modifications	14	6	42.9	0	0.0	3	21.4	5	35.7
Assistance Keeping a Job	13	6	46.2	0	0.0	1	7.7	6	46.2
Budgeting	13	7	53.8	0	0.0	0	0.0	6	46.2
Retirement Planning	14	6	42.9	0	0.0	2	14.3	6	42.9

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 94: Reasons Identified for Not Receiving Education, Employment, and Finances Services and Support Needs, 2009.

Reason (8)	Number	Percent
Cannot afford services/ Insurance does not cover service	3	37.5
Not comfortable seeking services	2	25.0
Services not available locally	1	12.5
Other	2	25.0

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 95: SCI Caregiver Perceived SCI Survivor Other Service and Support Needs, 2009.

Service or Support	Number	Would Like to Receive		Received, But Not Satisfied		Received and Satisfied		Not Interested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Obtaining Assistive Tech.	13	8	61.5	2	15.4	0	0.0	3	23.1
Using Assistive Tech.	13	8	61.5	0	0.0	2	15.4	3	23.1
Childcare	12	0	0.0	0	0.0	0	0.0	0	0.0
Fitness Center/ Gym	14	7	50.0	1	7.1	0	0.0	6	42.9
Finding Housing	14	8	57.1	0	0.0	0	0.0	6	42.9
Transportation	13	9	69.2	0	0.0	1	7.7	3	23.1
Programs to Quit Smoking	12	1	8.3	0	0.0	0	0.0	11	91.7
Programs to Lose Weight	13	3	23.1	0	0.0	1	7.7	9	69.2
Social Activities	14	9	64.3	0	0.0	2	14.3	3	21.4

Source: SCI Consumer and Caregiver Online Survey, accessed December 2009.

Table 96: Reasons Identified for Not Receiving Other Services and Support Needs, 2009.

Reason (13)	Number	Percent
Cannot afford services/ Insurance does not cover service	8	61.5
Not comfortable seeking services	2	15.4
Services not available locally	1	7.7
Other	2	15.4

¹ Marr, Angela and Coronado, Victor. Central Nervous System Injury Surveillance Data Submission Standards. Department of Health and Human Services. Centers for Disease Control and Prevention. National Center for Injury Prevention and Control, 2002.

² Florida Statute 381.74. Title XXIX, Public Health Chapter 381 Public Health: General Provisions; 2006.