Table 2B.2.2: Healthcare Visits for Conditions Contributing to Curvature of Spine Disorders by Age, United States, 2013

	Healthcare Visits (in 000s)					% of Total			
	Total	<18	18-44	45-64	65+	<18	18-44	45-64	65+
Hospital Discharges, 2013 [1]	Total Number of Hospital Discharges for Spinal Curvature Disorders								
Idiopathic scoliosis	161.0	20.7	36.0	33.3	70.9	13%	22%	21%	44%
Acquired/secondary scoliosis	20.3	3.6	2.3	4.7	9.7	18%	11%	23%	48%
Scoliosis	166.6	23.8	37.6	33.4	71.6	14%	23%	20%	43%
Kyphosis	44.9	1.2	3.2	10.6	29.9	3%	7%	24%	67%
Lordosis	4.1	*	0.9	1.4	1.7	*	22%	34%	41%
Spondylolisthesis	144.6	0.8	13.2	57.9	72.8	1%	9%	40%	50%
Sagittal Deformity	190.5	2.1	17.1	68.5	102.8	1%	9%	36%	54%
All Spinal Curvature Disorders (5)	357.0	25.9	54.7	101.8	174.5	7%	15%	29%	49%
Rate Per 100 Patient Visits	1.0	0.5	0.6	1.2	1.4				
Diagnoses Per 100,000 US Population [6]	112.9	35.2	47.7	122.5	390.3				
Emergency Department Visits, 2013 [2]	Total Number of Emergency Department Visits for Spinal Curvature Disorders								
Idiopathic scoliosis	229.7	22.0	92.1	46.1	69.5	10%	40%	20%	30%
Acquired/secondary scoliosis	14.7	1.6	4.7	2.9	5.5	11%	32%	20%	37%
Scoliosis	240.7	23.5	96.7	49.0	75.0	10%	40%	20%	31%
Kyphosis	30.5	5.7	7.7	12.0	5.1	19%	25%	39%	17%
Lordosis	3.4	0.2	1.5	0.7	1.0	6%	44%	21%	29%
Spondylolisthesis	45.3	0.8	7.7	13.9	22.9	2%	17%	31%	51%
Sagittal Deformity	78.6	1.5	11.9	18.6	46.6	2%	15%	24%	59%
All Spinal Curvature Disorders (5)	319.3	25.0	108.2	67.0	119.2	8%	34%	21%	37%
Rate Per 100 Patient Visits	0.2	0.1	0.2	0.2	0.5				
Diagnoses Per 100,000 US Population [6]	101.0	34.0	94.3	80.6	266.6				
Hospital Outpatient Visits, 2011 [3]	Total Number of Outpatient Department Visits for Spinal Curvature Disorders								
Idiopathic scoliosis	246.4	176.3	34.4	*	*	72%	14%	*	*
Acquired/secondary scoliosis	37.1	*	*	*	*	*	*	*	*
Scoliosis	282.5	189.7	36.9	*	*	67%	13%	*	*
Kyphosis	*	*	*	*	*	*	*	*	*
Lordosis	*	*	*	*	*	*	*	*	*
Spondylolisthesis	78.7	*	*	28.6	*	*	*	36%	*
Sagittal Deformity	97.3	*	*	27.1	*	*	*	28%	*
All Spinal Curvature Disorders (5)	379.8	194.5	58.1	66.1	61.1	51%	15%	17%	16%
Rate Per 100 Patient Visits	0.3	0.7	0.2	0.2	0.3				
Diagnoses Per 100,000 US Population [6]	120.1	264.3	50.6	79.6	136.7				

Table 2B.2.2: Healthcare Visits for Conditions Contributing to Curvature of Spine Disorders by Age, United States, 2013

	Healthcare Visits (in 000s)					% of Total			
	Total	<18	18-44	45-64	65+	<18	18-44	45-64	65+
Physician Office Visits, 2013 [4]	Total Number of Physician Visits for Spinal Curvature Disorders								
Idiopathic scoliosis	1,164.6	415.9	256.9	227.0	264.9	36%	22%	19%	23%
Acquired/secondary scoliosis	145.4	*	*	*	*	*	*	*	*
Scoliosis	1,273.7	444.1	274.9	274.9	279.9	35%	22%	22%	22%
Kyphosis	121.5	*	*	*	*	*	*	*	*
Lordosis	*	*	*	*	*	*	*	*	*
Spondylolisthesis	719.8	*	*	322.5	318.3	*	*	45%	44%
Sagittal Deformity	898.9	*	94.2	367.0	404.4	*	10%	41%	45%
All Spinal Curvature Disorders (5)	2,172.6	477.4	369.1	641.9	684.2	22%	17%	30%	31%
Rate Per 100 Patient Visits	0.2	0.3	0.2	0.2	0.3				
Diagnoses Per 100,000 US Population [6]	687.3	648.8	321.6	772.6	1,530.5				
Total Health Care Visits for Spinal Deformity Disorders	Total Number of Health Care Visits All Sources for Spinal Curvature Disorders								
Idiopathic scoliosis	1,801.7	634.9	419.4	*	406.40	35%	23%	*	23%
Acquired/secondary scoliosis	217.5	*	*	*	*	*	*	*	*
Scoliosis	1,963.5	681.1	446.1	357.3	426.5	35%	23%	18%	22%
Kyphosis	196.9	*	*	*	*	*	*	*	*
Lordosis	7.50	*	*	*	*	*	*	*	*
Spondylolisthesis	988.4	*	*	422.9	*	*	*	43%	*
Sagittal Deformity	1,265.3	3.6	123.2	481.2	553.8	0%	10%	38%	44%
All Spinal Curvature Disorders (5)	3,228.7	722.8	590.1	876.8	1,039.0	22%	18%	27%	32%
Rate Per 100 Patient Visits	0.3	0.3	0.2	0.2	0.3				
Diagnoses Per 100 U.S. Population [6]	1.0	1.0	0.5	1.1	2.3				

*   Estimate does not meet standards for reliability

[1] Source: HCUP National Inpatient Sample (NIS). Healthcare Cost and Utilization Project (HCUP). 2013. Agency for Healthcare Research and Quality, Rockville, MD. www.hcup-us.ahrq.gov/nisoverview.jsp

[2] Source: HCUP Nationwide Emergency Department Sample (NEDS). Healthcare Cost and Utilization Project (HCUP). 2013. Agency for Healthcare Research and Quality, Rockville, MD. www.hcup-us.ahrq.gov/nedsoverview.jsp

[3] Source: National Hospital Ambulatory Medical Care Survey_Outpatient Department (NHAMCS_OP), 2011. www.cdc.gov/nchs/ahcd/ahcd_questionnaires.htm May 23, 2016. Mean weighted cases per year.

[4] Source: National Ambulatory Medical Care Survey (NAMCS), 2013. www.cdc.gov/nchs/ahcd/ahcd_questionnaires.htm January 14, 2016. Mean weighted cases per year.

[5] Total visits may be lower than sum of diagnoses due to multiple diagnoses per patient

[6] Source: United States: 2010 Summary Population and Housing Characteristics, 2010 Census of Population and Housing. Issued January 2013. United States Census Bureau, U. S. Department of Commerce. http://www.census.gov/prod/cen2010/cph-1-1.pdf (September 16, 2013)   Adjusted to 2010 U.S. Census Population Estimates. There is the potential for multiple diagnoses per person which is not accounted for.