

Summary of Scoliosis Research Society Morbidity and Mortality Report for 2002-2003.

Presented at 2003 SRS annual business meeting

2003 SRS Morbidity and Mortality Committee:

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Recent history of SRS morbidity and mortality data submission:

Year	SRS Members submitting data:
2002	408 - On line
2001	164 - On line 146 - Floppy disc
2000	422 - Floppy disc
1999	195 - Floppy disc
1998	144 – Floppy disc

Year	Number of Cases Reported Each Year
1996	16000
1997	15189
1998	12664
1999	16035
2002	30021

Summary of 2002 Compiled Data:

SRS membership	627
SRS members submitting data	408
Number of procedures	30,021

2002 Data by Diagnosis

Diagnosis:	
Degenerative	7698
Scoliosis (all)	7328
Disc Herniation	6378
Spondylolisthesis	3077
Other	2670
Fractures	1801
Kyphosis	1067

2002 Data by Cause of Death

Cause of Death	
Cardiac	17
Other	15
PE	9
Respiratory	6
Blood loss	5
Sepsis	4
Anesthetic	1
Total	57 = 0.2%

2002 Reported Infections by type of Deformity:

Deformity	Infection
NM scoliosis	3.4%
Kyphosis	2.7%
Fracture	1.1%
Degenerative Joint Dis.	0.9%
Spondylolisthesis	0.9%
Idiopathic scoliosis	0.9%
Disc herniation	0.4%

2002 Reported Neurologic deficits by type:

Neurological Deficits	#	% cases
Complete Cord	17	0.1%
Incomplete Cord	76	0.3%
Nerve Root	115	0.4%
Total	208	0.7%

2002 Neurological deficits by Diagnosis

Etiology	#	% cases with same Dx
Kyphosis	30	2.8%
Fracture	19	1.0%
Spondylolisthesis	27	0.9%
Scoliosis	59	0.8
Other-Tumor, Pseudoarthrosis	18	0.7
Degenerative joint	34	0.4
Disc herniation	21	0.3
Total	208	0.7

2002 Neurological Deficits with Scoliosis as Diagnosis:

Complete Cord	4	0.1%
Partial Cord	29	0.4%
Nerve Root	25	0.3%
Total	59	0.8%

2002 Neurological Deficits by Scoliosis Type:

Type	Complete Cord	Incomplete Cord	Nerve Root	Total	%
Dwarf		1		1	2.6%
Idiopathic	3	17	15	35	0.8%
Neuromuscular	1	6	5	12	0.8%
Congenital		3	5	8	0.5%
Other	1	2		3	0.5%
Total	5	29	25	59	0.8%

Non Fatal Complications by Diagnosis:

Diagnosis	#Complications	Comp Rate
Scoliosis	633	8.6%
Kyphosis	72	6.8%
Spondylo	187	6.1%
HNP	201	0.3%