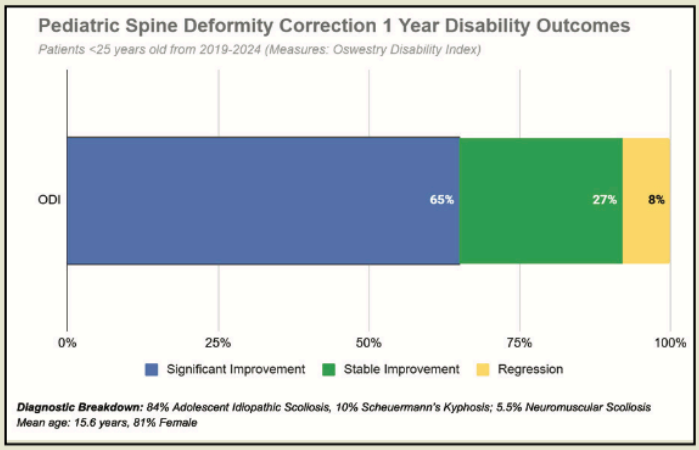
Clinical outcomes for scoliosis treatment

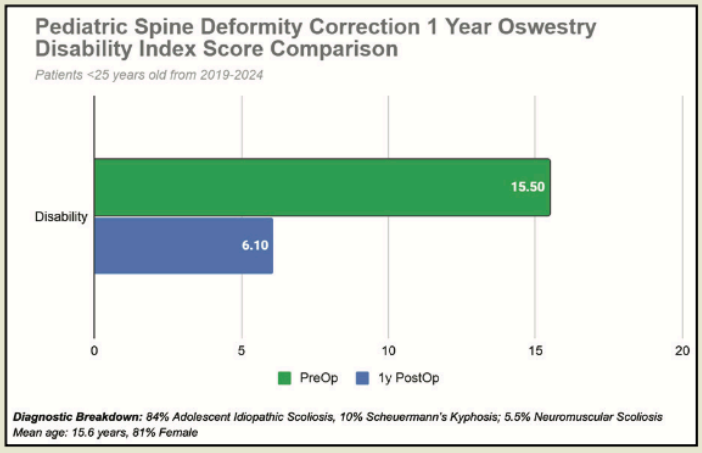
Clinical outcomes collected at Texas Spine and Scoliosis for pediatric and adolescent scoliosis treatment involves patient forms completed before treatment and after treatment at various intervals. **Patient Reported Outcomes** (PRO) are considered to be the most valid measurement of clinical care related to the patient's assessment of their function, pain level, self image, mental health and satisfaction of the care provided by the clinicians at Texas Spine and Scoliosis.

The **OSWESTRY** is a standardized spine assessment tool used for 50 years within the spine field that measures a patient's function over a range of activities and compares that to a national database. SRS stands for data assembled over decades by the **Scoliosis Research Society**, the most respected international group of scoliosis specialists. The data presented here is collected and aggregated by a clinical outcome data professional within the spine center.

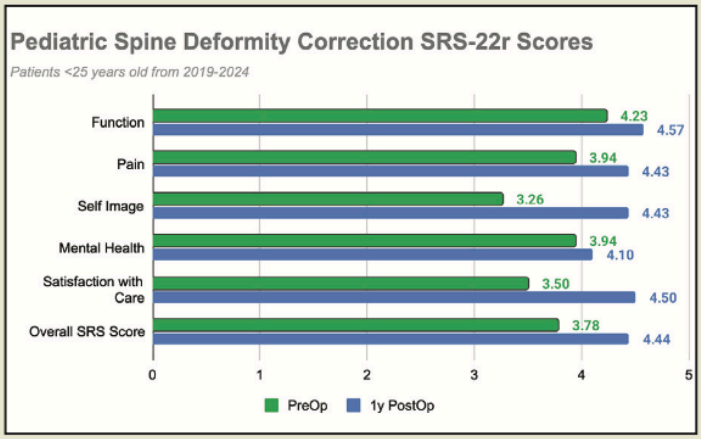
Dr. Matthew Geck is referred pediatric, adolescent and adult scoliosis patients from across the United States.



Deformity patients had improved scores across after corrective surgery as measured by the Oswestry functional assessment tool.



Deformity patients reduced their disability significantly after surgery as measured by the Oswestry functional assessment tool.



Deformity patients documented significant and stable improvement for kyphosis and scoliosis.

The Setting Scoliosis Straight assessment system based on the "Harms Study Group," utilizes a comprehensive data collection system to evaluate and track patient outcomes related to scoliosis surgery, allowing surgeons to compare their results against a larger database and identify areas for improvement, with a focus on the widely recognized "Lenke Classification System" for accurately categorizing scoliosis curves; this system is designed to promote quality improvement in scoliosis care by providing detailed feedback and benchmarking data to participating surgeons.

	EBL/Level		OR Time		% Curve Correction			2y Major Complication*	Length of Stay
	Rank	*Percentile*	*Rank*	*Percentile*	*Absolute*	*Rank*	*%*		
2020	**9th** out of 87	10%	**34th** out of 89	38%	74%	**20th** out of 85	30	0	4.2 days
2021	**32nd** out of 110	29%	**36th** out of 111	32%	77%	**25th** out of 106	24	0	3.7 days
2022	**43rd** out of 112	38%	**27th** out of 114	23%	77%	**27th** out of 107	25	0	3.8 days
2023	**23rd** out of 111	21%	**34th** out of 111	35%	78%	**21st** out of 103	20	0**	3.4 days

** Major Complication: Return to OR for deep infection, non-union, fractured rods; any postop neurological deficit including visual loss*
*** Only 1 year data available*