

Demographic	ERS	TRS
Overview		
Total population	440,296	521,032
Participants with a musculoskeletal diagnosis	31.5%	23.8%
Total spending on musculoskeletal claims	\$300 million	\$259 million
Average Age	37	37
Participants residing in Texas	99%	99%

The 2017 Texas Legislature passed legislation (SB 55) that directed the Teacher Retirement System of Texas (TRS) and the Employees Retirement System of Texas (ERS) to study the potential use of patient-reported outcomes for musculoskeletal care. In addition, SB 55 directed ERS and TRS to perform an analysis of the musculoskeletal claims associated with the 960,000 Texans who receive their health care through ERS and TRS.

The analysis clearly demonstrated that musculoskeletal injuries and conditions play a significant role in the lives of Texans. Over 30 percent of the ERS insureds had a musculoskeletal diagnosis in FY 2017.

Orthopaedic Surgeons Have Extensive Training in All Aspects of Human Anatomy, Disease and Pharmacology

Orthopaedic surgeons utilize both surgical and non-surgical techniques to treat the complex musculoskeletal system, which controls bones, joints, ligaments, tendons, muscles, and nerves. They treat sports injuries, musculoskeletal trauma, tumors, infections, degenerative diseases, and congenital disorders. An orthopaedic surgeon has been trained to understand the entire human body and how different types of medical conditions may impact musculoskeletal health, and vice versa.



Musculoskeletal Conditions by Prevalence FY 2017

Condition	ERS Prevalence (per 1,000 participants)	ERS Average Cost per Diagnosed Participant	TRS Prevalence (per 1,000 participants)	TRS Average Cost per Diagnosed Participant
Intervertebral Disc Disorders	120.4	\$2,130.57	87.5	\$1,967.92
Osteoarthritis	35.5	\$3,383.44	31.5	\$4,246.76
Other Connective Tissue Disorder	117.1	\$725.60	93.3	\$665.59
Other Non-Traumatic Joint Disorder	105.6	\$519.26	74.4	\$443.29
Rheumatoid Arthritis	9.0	\$4,450.58	8.8	\$2,063.78
Other Acquired Deformities	8.5	\$3,766.34	7.0	\$4,211.30
Bone Disorder/Musculoskeletal Deformity	37.8	\$602.35	37.1	\$425.76
Inflammatory Arthritis/Osteomyelitis	1.2	\$11,349.88	1.2	\$8,991.66
Lupus/Connective Tissue Disorder	4.7	\$2,826.87	4.5	\$1,623.21
Acquired Foot Deformities	6.1	\$1,744.18	5.8	\$1,902.06
Pathological Fracture	0.5	\$5,818.63	0.5	\$5,822.38
Osteoporosis	6.9	\$391.60	6.7	\$224.84

Musculoskeletal Procedures by Cost FY 2017

Procedure	ERS Number of Procedures (per 1,000 participants)	ERS Average Cost per Procedure	TRS Number of Procedures (per 1,000 participants)	TRS Median Cost per Procedure
Spinal Fusion	2.0	\$49,247.54	1.7	\$48,604.33
Hip Replacement, Total and Partial	1.0	\$25,104.56	1.2	\$32,737.60
Arthroplasty, knee	2.2	\$23,623.93	2.4	\$32,712.19