

Supplementary data

Table S1. The NOMESCO procedural codes used to collect the spine surgeries

Procedural codes	Procedure(s)
Fusion surgeries	
ABC21, NAG40, NAG41, NAG42, NAG50, NAG51, NAG52, NAG53, NAG56, NAG57, NAG61, NAG62, NAG63, NAG65, NAG66, NAG67, NAG99	Fusion surgeries
NAJ00, NAJ10, NAJ12, NAJ20, NAJ22, NAJ30, NAJ32, NAJ99	Fracture surgeries of the spine
Non-fusion surgeries	
ABB00, ABB02, ABB04, ABB06, ABB10, ABB20, ABB30, ABB40, ABB90, NAR00, NAR10, NAR20, NAR400, NAR99, NAR00, NAR10, NAR20, NAR40, NAR99	Tumor resections
ABC01, ABC04, ABC07, ABC10, ABC13, ABC16, ABC17, ABC20, ABC23, ABC26, ABC30, ABC33, ABC36, ABC40, ABC50, ABC53, ABC56, ABC60, ABC63, ABC66, ABC99	Decompression surgeries
NAK10, NAK20, NAK40, NAK99	Bone surgeries of the spine
NAS00, NAS20, NAS99	Infection surgeries of the spine
ABA00, ABA20, ABA30, ABA99, NAA32, NAB90, NAB92, NAC92, NAG70, NAG72, NAH10, NAH20, NAH30, NAH35,	Other spine surgeries

NAH60, NAT00, NAT10, NAT12, NAT14,
NAT20, NAT50, NAT99, NAU10, NAU20,
NAU99, NAW00, NAW10, NAW99

Table S2. Procedural and diagnosis codes at the index surgery used as exclusion criteria for the study

Procedural codes used as exclusion criteria	
ABB02, ABB04, ABB06, ABB20, ABB40,	Non-relevant tumor procedures
ABC01, ABC04, ABC07, ABC10, ABC13,	Disc surgeries
ABC16, ABC17, ABC20, ABC23, ABC26,	
NAS00, NAS20, NAS99	Infection surgeries
ABA20, ABA30, ABA99, NAB90, NAB92,	Other surgeries
NAC92, NAH10, NAH20, NAH30, NAH35,	
NAH60, NAT00, NAT10, NAT12, NAT14,	
NAT20, NAT50, NAT99, NAU10, NAU20,	
NAU99, NAW00, NAW10, NAW99	
Diagnosis codes used as exclusion criteria	
M47.2, M50.0, M50.1, M51.1, G55.1, G55.2	Disc herniation or spondylosis
C41.2, C41.8, C41.9	Primary cancer of the vertebral column
C70.1, C70.9	Primary cancer of spinal meninges
C72.0, C72.1, C72.8, C72.9	Primary cancer of the spinal cord or cauda equina