

## Supplementary data

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

<b>Procedural codes</b>	<b>Procedure(s)</b>
<b>Fusion surgeries</b>	
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
<b>Non-fusion surgeries</b>	
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, NAH60, NAT00, NAT10, NAT12, NAT14, NAT20, NAT50, NAT99, NAU10, NAU20, NAU99, NAW00, NAW10, NAW99	Other spine surgeries