

Subaxial cervical spine injury epidemiology

see also [Cervical spine injury epidemiology](#).

- [Reduction of traumatic unilateral locked facet of the subaxial cervical spine: what predicts successful closed skeletal traction, and is anterior or posterior surgery superior after unsuccessful closed reduction?](#)
- [Traumatic Vertebral Artery Injury After Subaxial Cervical Spine Injuries: Incidence, Risk Factors, and Long-Term Outcomes: A Population-Based Cohort Study](#)
- [Time to Surgery for Subaxial Cervical Fractures: A Multicenter Study](#)
- [Mechanisms and risk factors associated with spinal cord injury, facet fracture, and level of dislocation, in occupants with cervical spine dislocations sustained in motor vehicle crashes](#)
- [Safety of anterior cervical corpectomy and fusion \(ACCF\) for the treatment of subaxial cervical spine injuries, a single center comparative matched analysis](#)
- [Predictors of early mortality following surgical or nonsurgical treatment of subaxial cervical spine fractures: a retrospective nationwide registry study](#)
- [Decreasing incidence of cervical spine fractures in patients with ankylosing spondylitis: a population-based study in Southeast Norway](#)
- [Adverse events after surgery for injuries to the subaxial cervical spine: analysis of incidence and risk factors](#)

The [subaxial cervical spine](#) accounts the vast majority of [cervical spine injury](#), making up two thirds of all [cervical spine fractures](#).

The [subaxial cervical spine](#) is a common site of [cervical spine injury](#) with more than 50 % of injuries being located between C5 and C7 ¹⁾.

The upper cervical spine was more frequently affected in young children. Older children more often suffered from subaxial pathologies. The majority of cervical spinal column injuries were treated conservatively. Nevertheless, 15% of the hospitalized children had to be treated surgically ²⁾.

¹⁾

Aebi M. Surgical treatment of upper, middle and lower cervical injuries and non-unions by anterior procedures. Eur Spine J. 2010;19(1, suppl1):S33-9. doi: 10.1007/s00586-009-1120-8.

²⁾

Jarvers JS, Herren C, Jung MK, Blume C, Meinig H, Ruf M, Weiß T, Rütger H, Welk T, Badke A, Gonschorek O, Heyde CE, Kandziora F, Knop C, Kobbe P, Scholz M, Siekmann H, Spiegl U, Strohm P, Strüwind C, Matschke S, Disch AC, Kreinest M; Spine Section of the German Society for Orthopaedics and Trauma. Pediatric cervical spine injuries-results of the German multicenter CHILDSPINE study. Eur Spine J. 2023 Apr;32(4):1291-1299. doi: 10.1007/s00586-023-07532-8. Epub 2023 Feb 9. PMID: 36757616.

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