

Codebook – Spine Atlas Initiative data call 2025 LDS

| Type | Nr. | Parameter | Answer value | Answer text |
|-----------|-------------------------------|---|-------------------------|-------------------------------|
| Mandatory | 1 | Patient age at surgery date | [years] | - |
| | 2 | Patient gender | 0 | female |
| | | | 1 | male |
| | | | 9 | other |
| | | | 99 | unknown |
| | 3 | Surgery date | [dd.mm.yyyy] | - |
| | 4 | Spinal stenosis [multiple choice] | 1 | central or lateral |
| | | | 2 | foraminal |
| | 5 | Primary spine surgery at the same or adjacent level | 0 | no |
| | | | 1 | yes |
| | | | 9 | unknown |
| | 6a | Grade of LDS (Meyerding) (grade 0 and 5 excluded) | 1 | grade I |
| | | | 2 | grade II |
| | | | 3 | grade III |
| | | | 4 | grade IV |
| | 6b | If grade by Meyerding not available, Grade of LDS (mm) | [mm] | - |
| | | | “0-3mm” | “0-3mm” |
| | | | “>3mm” | “>3mm” |
| | 7a1 | Decompression type [multiple choice] | 0 | none |
| | | | 1 | discectomy partial/total |
| | | | 2 | sequestrectomy |
| | | | 3 | laminotomy |
| | | | 4 | hemi-laminectomy |
| | | | 5 | laminectomy |
| | | | 6 | foraminotomy |
| | | | 7 | facet joint resection partial |
| | | | 8 | facet joint resection full |
| | | | 9 | other decompression |
| | 7a2 | Decompression level [multiple choice] | 1 | L1/2 or L1 |
| | | | 2 | L2/3 or L2 |
| | | | 3 | L3/4 or L3 |
| | | | 4 | L4/5 or L4 |
| | | | 5 | L5/S1 or L5 |
| 7b1 | Fusion type [multiple choice] | 0 | none | |
| | | 1 | interbody fusion (ALIF) | |
| | | 2 | interbody fusion (OLIF) | |
| | | 3 | interbody fusion (PLIF) | |
| | | 4 | interbody fusion (TLIF) | |
| | | 5 | interbody fusion (XLIF) | |
| | | 6 | other interbody fusion | |
| | | 7 | posterolateral fusion | |
| | | 8 | posterior fusion | |
| 9 | other fusion | | | |

| Type | Nr. | Parameter | Answer value | Answer text |
|-----------|--|---|----------------|----------------------------|
| Mandatory | 7b2 | Fusion level [multiple choice] | 1 | L1/2 or L1 |
| | | | 2 | L2/3 or L2 |
| | | | 3 | L3/4 or L3 |
| | | | 4 | L4/5 or L4 |
| | | | 5 | L5/S1 or L5 |
| | 7c1 | Rigid stabilisation type [multiple choice] | 1 | pedicle screws cemented |
| | | | 2 | pedicle screws uncemented |
| | | | 3 | facet screws |
| | | | 4 | lateral mass screw |
| | | | 5 | laminar screws |
| | | | 6 | iliac screws |
| | | | 7 | laminar hooks |
| | | | 8 | pedicle hooks |
| | | | 9 | sublaminar band/wire |
| | 19 | other rigid stabilisation | | |
| | 7c2 | Rigid stabilisation level [multiple choice] | 1 | L1/2 or L1 |
| | | | 2 | L2/3 or L2 |
| | | | 3 | L3/4 or L3 |
| | | | 4 | L4/5 or L4 |
| | | | 5 | L5/S1 or L5 |
| | 7d1 | Dynamic stabilisation [multiple choice] | 1 | disc replacement |
| | | | 2 | Interspinous spacer |
| | | | 3 | other |
| 7d2 | Dynamic stabilisation level [multiple choice] | 1 | L1/2 or L1 | |
| | | 2 | L2/3 or L2 | |
| | | 3 | L3/4 or L3 | |
| | | 4 | L4/5 or L4 | |
| | | 5 | L5/S1 or L5 | |
| 7e1 | Other (surgical treatment) | [free text] | - | |
| 7e2 | Other (surgical treatment) level [multiple choice] | 1 | L1/2 or L1 | |
| | | 2 | L2/3 or L2 | |
| | | 3 | L3/4 or L3 | |
| | | 4 | L4/5 or L4 | |
| | | 5 | L5/S1 or L5 | |
| Optional | 8 | Additional pathology [multiple choice] | 0 | none |
| | | | 1 | non-degenerative deformity |
| | | | 2 | traumatic fracture |
| | | | 3 | pathological fracture |
| | | | 4 | inflammation |
| | | | 5 | infection |
| | | | 6 | tumour |
| | 7 | repeat surgery | | |
| | 9 | ASA status | 1 | ASA 1 (no disturbance) |
| | | | 2 | ASA 2 (mild/moderate) |
| 3 | | | ASA 3 (severe) | |

| Type | Nr. | Parameter | Answer value | Answer text |
|----------|---|--|----------------------|--------------------------|
| Optional | | (ASA status continued) | 4 | ASA 4 (life threatening) |
| | | | 5 | ASA 5 (moribund) |
| | | | 6 | unknown |
| | 10 | Number of previous spine surgeries at the same or adjacent level | 0 | 0 |
| | | | 1 | 1 |
| | | | 2 | 2 |
| | | | 3 | 3 |
| | | | 4 | >3 |
| | 11 | Duration of symptoms | 1 | <3 months |
| | | | 2 | 3-12 months |
| | | | 3 | >12 months |
| | 12a | Height | [cm] | - |
| | 12b | Weight | [kg] | - |
| | 12c | BMI | [kg/m ²] | - |
| | 13 | Current smoker status | 1 | Currently non-smoker |
| | | | 2 | Currently smoker |
| | | | 3 | unknown |
| 14a | Manufacturer | [full name] | - | |
| 14b | Article number | [full name] | - | |
| 15 | If Grade by Meyerding not available, Depth of endplate (mm) | [mm] | | |