

Spinal program in the Czech Republic

JIRI KRIZ



Spinal Cord Unit
Prague

CzeSCoS aims



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- To support cooperation among all SCI professionals
- To share the knowledge about SCI
- To improve the medical and social care on SCI people
- To strive for a life-long monitoring of SCI people
- To support education of the general public about SCI
- To prevent spinal cord injuries



Inpatient care

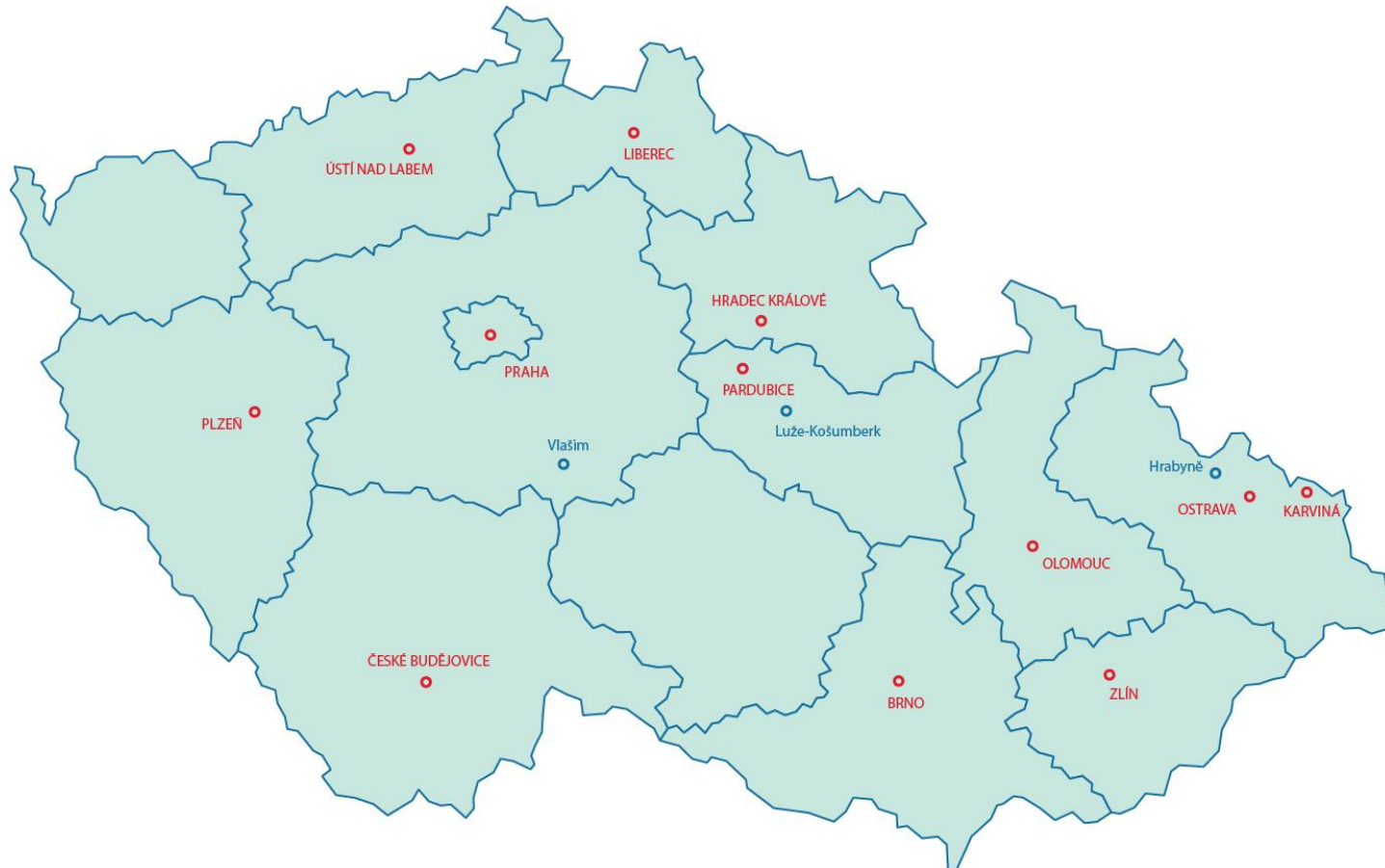
- Stage 1a (acute care) – spine surgery dpt
 - 1-2 weeks
- Stage 1b (postacute care) – spinal cord unit
 - 2-3 months
- Stage 2 (rehab care) – rehabilitation centre
 - 3-5 months

- Total
 - 6-9 months

Spine surgery dpt.



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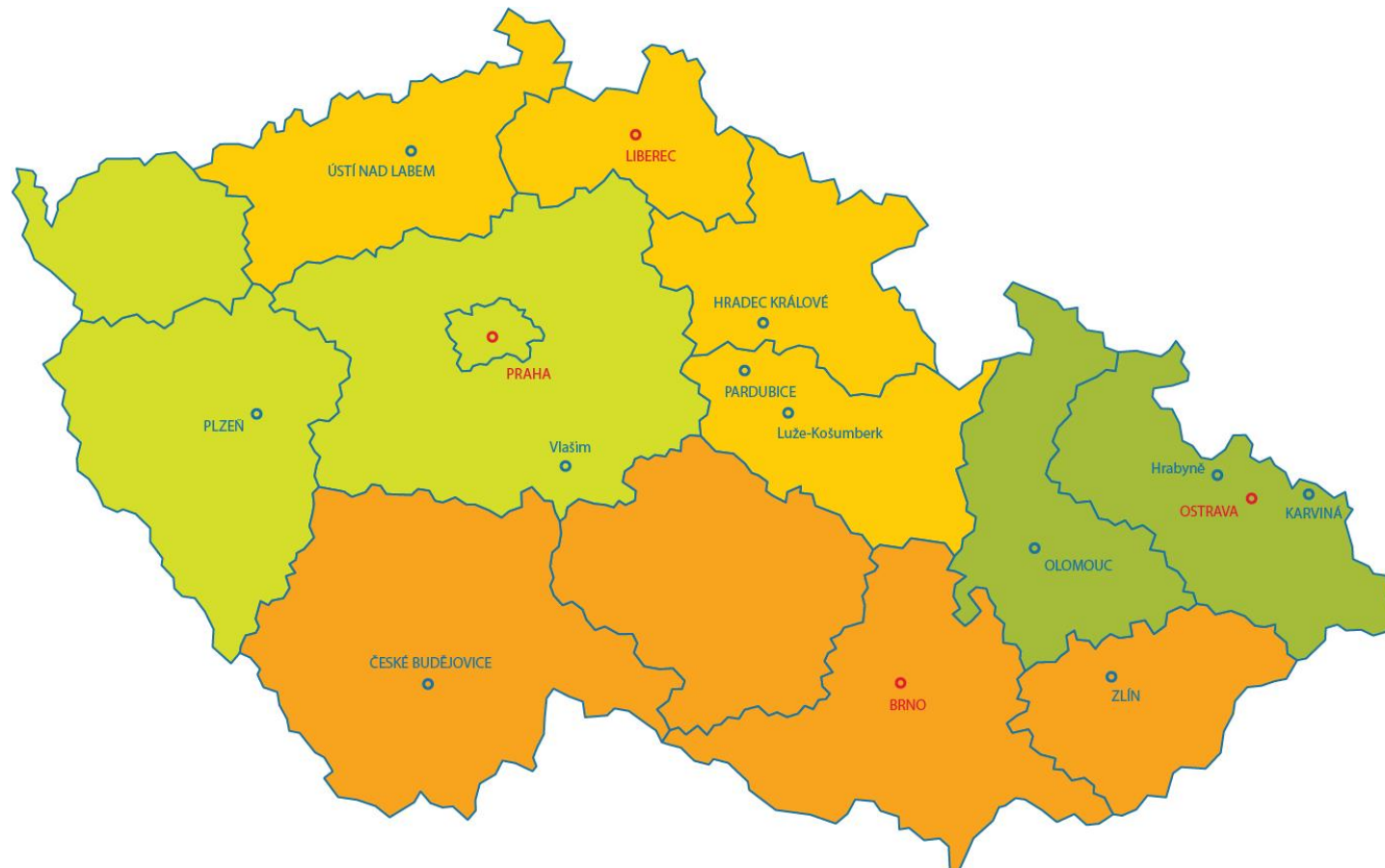


The ESCIF Congress 2018

Spinal Cord Units

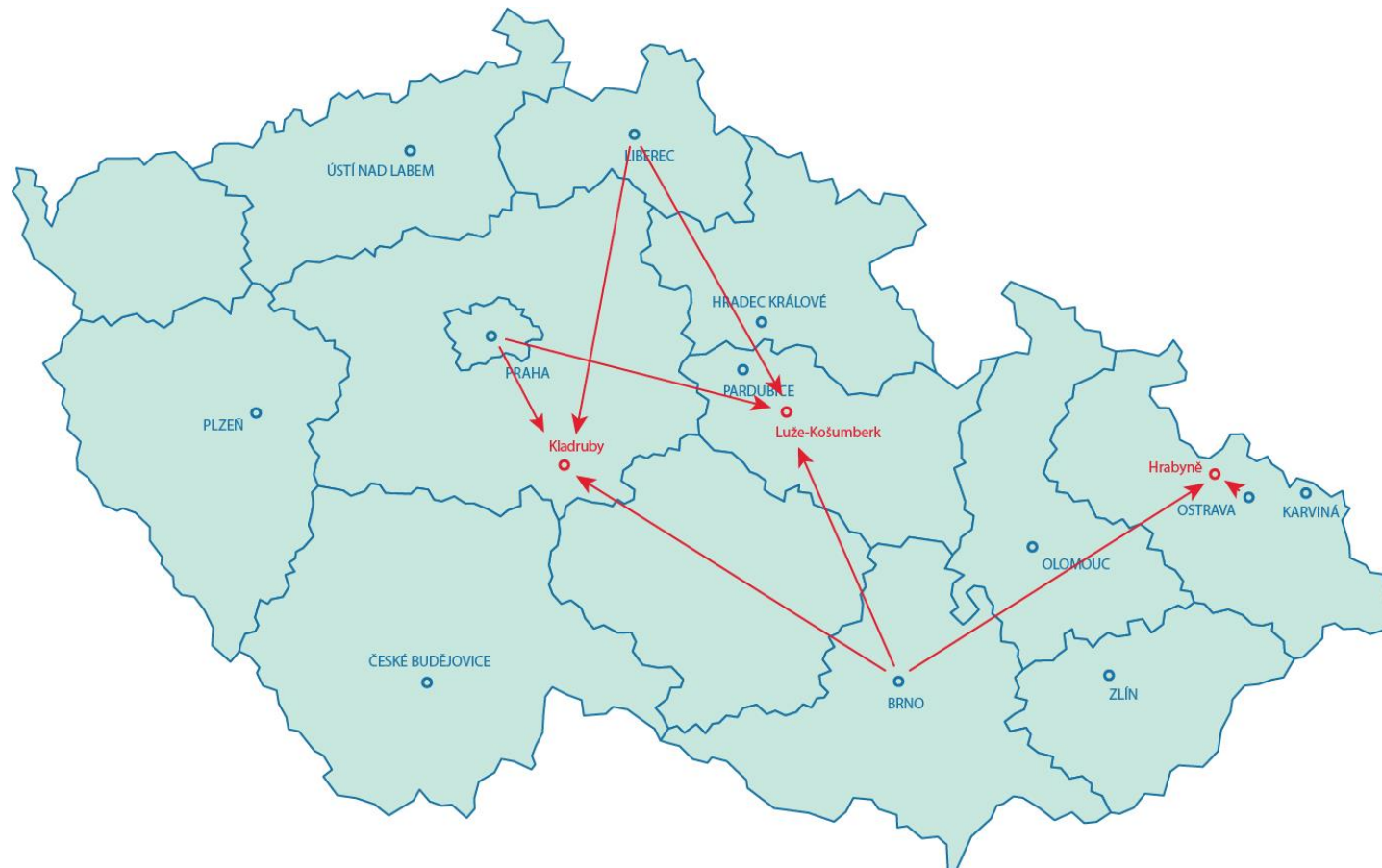


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Rehabilitation Centres



Outpatient care



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- General Practitioners
- Specialists
 - Neurologist
 - Urologist
 - Rehab doctor
 - Physiotherapist
- Spinal Cord Units
 - Follow up procedures

Spinal Cord Lesions in the Czech Republic

- Population – about 10.5 million
- 250-300 new patients with spinal cord lesion per year
- 150-200 new patients after traumatic spinal cord injury
- Average incidence 2006-2015 25.1 cases per year
 - traumatic SCI 16.5 cases per year
 - Non-traumatic SCI 8.6 cases per year

Etiology of SCL



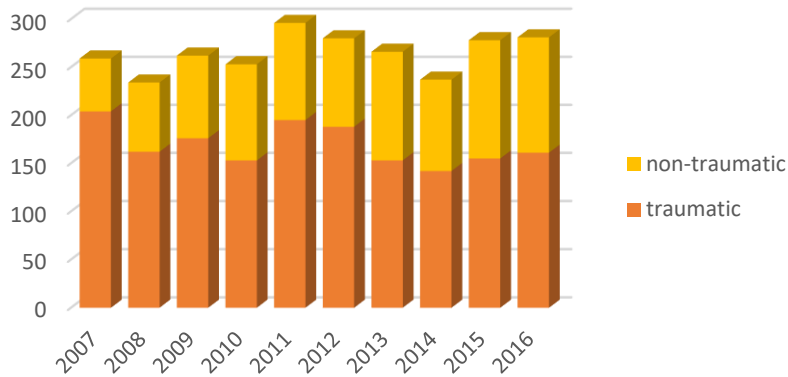
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- Traumatic
 - Falls
 - Traffic accidents
 - Sports
 - Diving into water
- Non-traumatic
 - Vascular
 - Infectious
 - Tumor
 - Degenerative

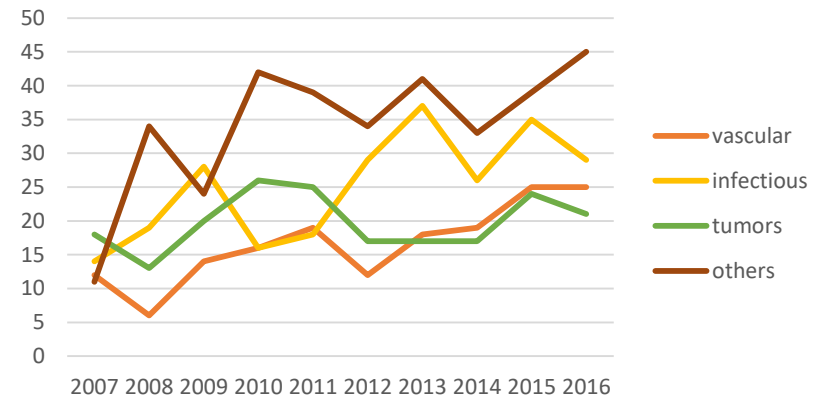


Data from rehab centres

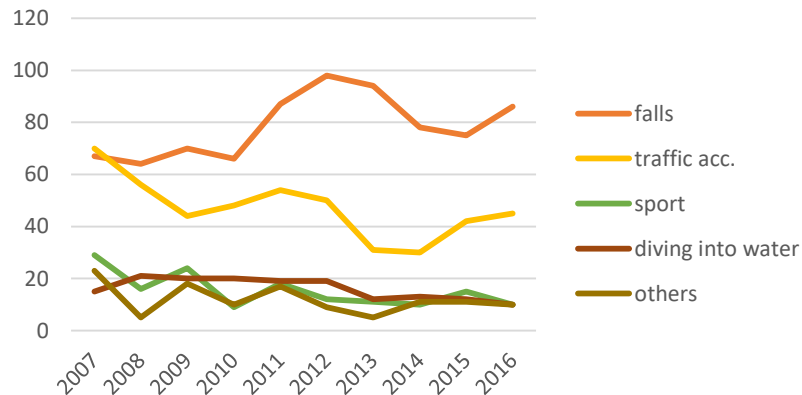
Etiology



Non-traumatic lesions



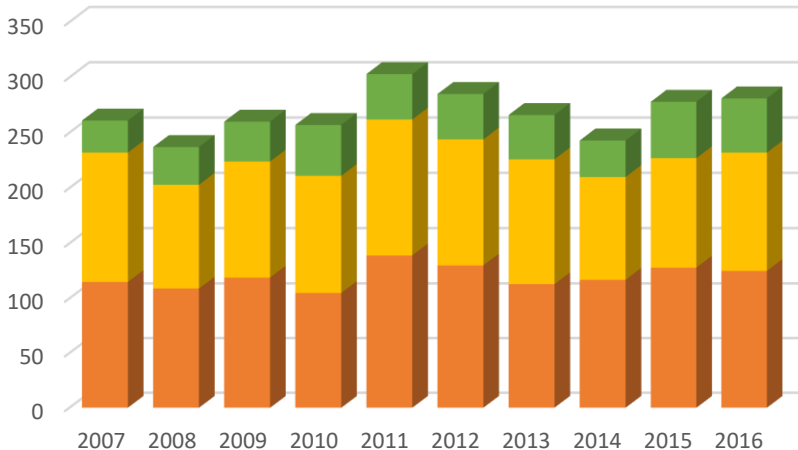
Traumatic lesions



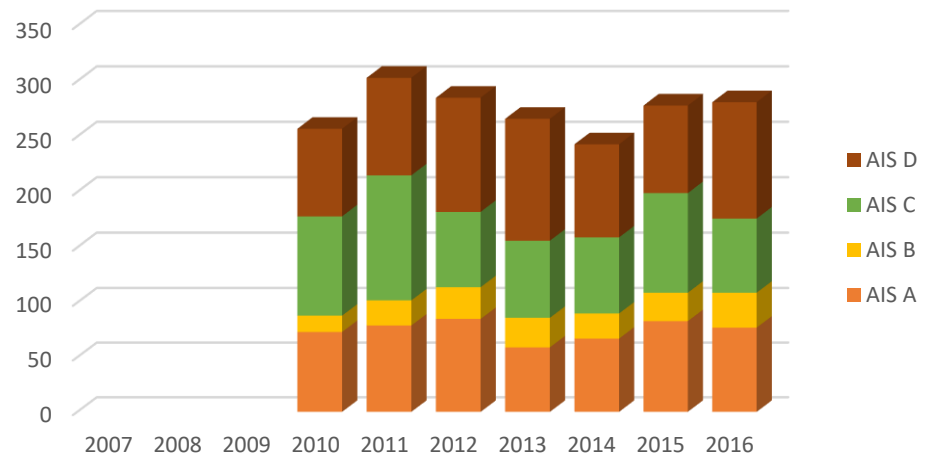
Data from rehab centres



Neurological Level of Injury (NLI)



ASIA Impairment Scale (AIS)



Later complications

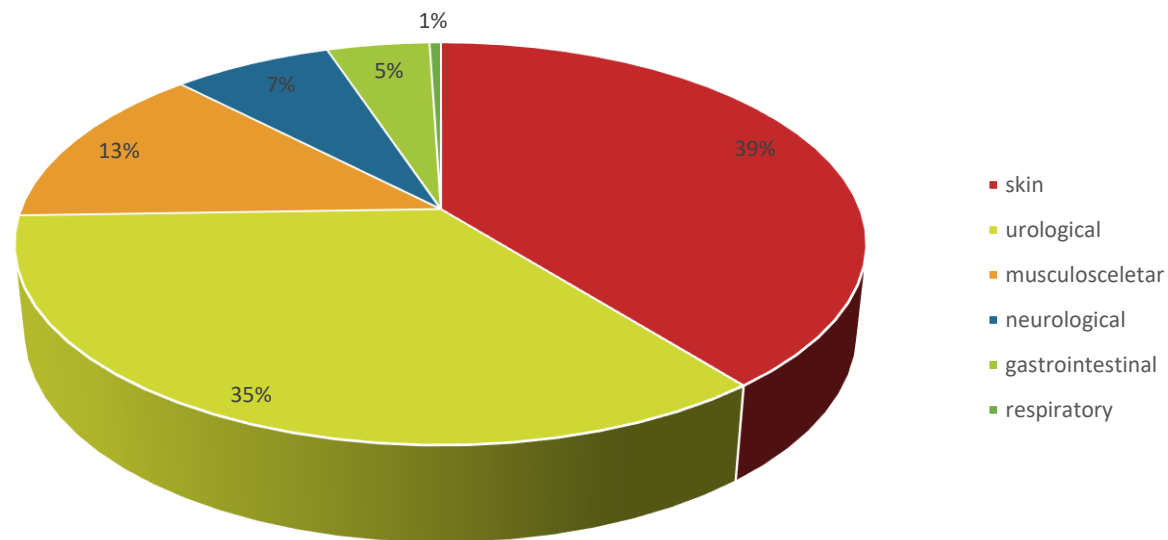


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- Pressure sores
- Urinary tract infections
- Bowel problems
- Metabolic disorders
- Respiratory complications
- Neuropathic pain

SCU Prague

Admission of chronic SCI patients



Pressure sores



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- Consultations on SCU
- Cleaning wounds
- Tissue debridement
- Negative pressure therapy
- Healthy diet
- Hyperbaroxytherapy
- Flap reconstruction

REDUCING PRESSURE

Active SCI individual



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- Coping with new situation
- Finding the job
- Starting a family
- Finding appropriate sport activities
- Developing a pressure sore
- Coping with new situation?
- Waiting for a reconstructive surgery is not solution



Peer support



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- ...
- ...
- ...
- ...
- ...
- ...
- ...
- ...
- How to be healthy on the wheelchair

Thank you for attention

