

Working plan for future work in EqOP

Task Force Descriptions

Task forces – the following tasks will be important in several task forces

- Reviewing research
- Close collaboration with industry and research for filling knowledge gaps
- Review of concerned regulatory requirements
- Explore opportunities to improve robustness of concerned regulations
- Prioritization based on relevance of the injury

Task Force 1: Drafting Team – Report on Equity Issues

- Report will capture the literature review effort and associated findings
- Report will be:
 - Distributed for review within CP organizations
 - Summarize and discuss findings (including where conflicts exist in the literature)
 - Conclusions will be clearly supported by the summarized findings of the literature review
 - Publicly available

Interested to join the work in TF1

Registration e-mail torbjorn.andersson@autoliv.com

Task force 2: Rear impact assessment

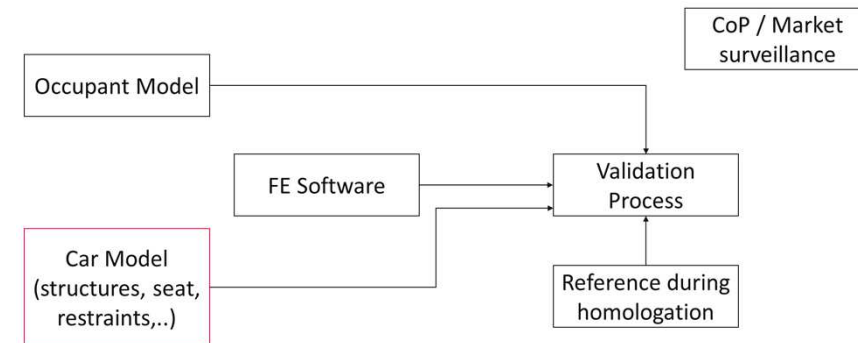
- Explore and discuss how to address the need for a forgiving design of the seat – focus on head restraints and back rest.
 - Eliminate poor design of back rest and head restraints.
- Explore the SETs – Seat Evaluation Tools that has been developed in VIRTUAL.
- Identify any shortcomings of existing regulations and related standards.
 - Can current test protocols be used to optimize crash performance for the specific test conditions and test dummies in a narrow way that is detrimental to the protection of a diverse population?
- Discuss and understand the possibilities and challenges with virtual crash testing.
 - Knowledge gaps?
 - How can we develop a robust regulation?

Next meetings TF2

- Teams meeting on February 20 at 13-15 CET
- Planning for a SET workshop in Stockholm on the 9th of September

Task force 3: Virtual testing

- Explore benefits of virtual crash testing to overcome equity issues.
- Define procedures how virtual crash testing can be implemented to assess occupant protection (type approval vs. self certifying countries)
- Define requirements for all building blocks of the procedure
- Strong collaboration with other expert groups and initiatives



Next meetings TF3

- Meeting 12th of April at 12 CET

Task force 4: Restraint system requirements

- Geometric requirements for seatbelt
 - Define how to assess improved belt fit for a diverse population in all seats
- Dynamic testing requirements / restraint system performance
 - Define how to assess adaptive protection
- Investigate the possibilities and challenges with virtual crash testing regarding evaluation of restraint system performance in regulations

Interested to join the work in TF4?

- Reviewing the requirements
- First meeting after summer break 2024
- E-mail torbjorn.andersson@autoliv.com

Task Force 5: Extension to new injury types

- TF on extension of assessments towards currently not considered injury types with high frequency and risk of PMI (*where equity issues have been identified*)
 - 4a) Lower extremity injuries in frontal and side impacts
 - 4b) Upper extremity injuries in frontal and side impacts
 - 4c) Brain injuries in frontal and side impacts
 - 4d) Soft tissue neck injuries in frontal and side impacts
- Explore how these injuries could be assessed
 - review ideas on injury criteria & tools to assess them
 - Physical tools (ATDs)
 - Virtual tools (HBMs)
 - Discuss and explore how identified knowledge gaps can be closed

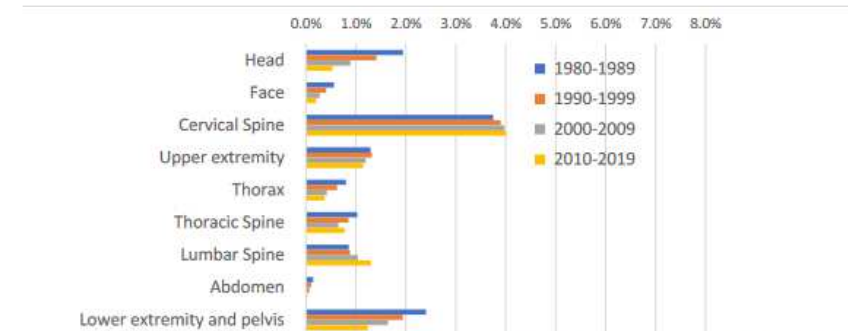


Fig. 4. Development of risk for PMI to different body regions for males for cars launched for the 10-year periods 1980-89 to 2010-19.

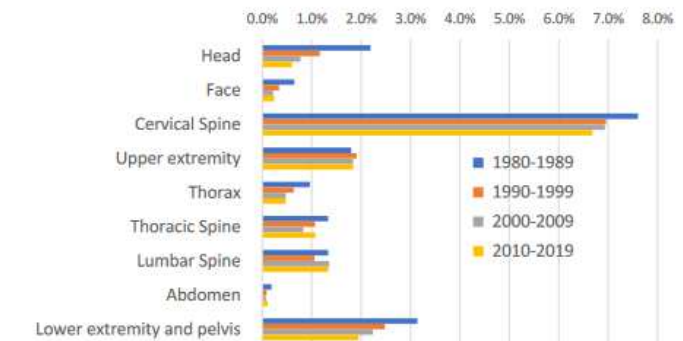


Fig. 5. Development of risk for PMI to different body regions for females for cars launched for the 10-year periods 1980-89 to 2010-19.

Interested to join the work of TF5?

- Explore how these injuries could be assessed
- First meeting before summer break 2024
- E-mail torbjorn.andersson@autoliv.com